INRODUCTION

In the following report, I have attempted to draw a picture of our Society at the end of 1985. The first section is an overview; a look at where the Society has been, where it is now and where it might find itself five years hence. The second section highlights what I consider to have been the main events of the 1985 Executive year, and the third section presents in detail the reports of the 90 or so committees, divisions and liaison groups that carry out the activities of the Society.

Examination of the annual Report of Activities by Society Presidents for the past ten years reveals a recurring pattern of problems and concerns: enhancing and expanding the Canadian and international image of our Society; developing efficient and effective Society management; ensuring a continuing flow of timely, high-quality publications; establishing long-term plans; and providing a basis for financial stability. Different Executives have given different priorities to these problems and have focussed their attention on different aspects of these concerns, but the underlying theme has always been the provision of a high level of educational service to the membership, to the profession at large, and to the general public. This Executive had the privilege to build on the accomplishments of its predecessors; whether it has been successful in furthering the common goals will be determined only in the future. In our dynamic environment, it is naive to expect permanent solutions; problems persist, solutions are temporary.

OVERVIEW

In summary, the Society is healthy at the moment. Our membership continues to grow, we still have a sizeable financial cushion against future contingencies, the quality of the Bulletin and our other scientific publications continues to increase, we are becoming increasingly involved in national and international projects, and members continue to step forward to take on critical tasks. However, there is reason for concern. Perhaps I should have said, "The Society is healthy, but . . . ."

Membership in the Society increased by 3.9 per cent in 1985, to a total of 4,077 (Figure 1). Eighty per cent of our members live in Alberta and more than 75 per cent reside in the Calgary area, providing the concentration of manpower necessary to carry out the activities of the Society. Financial and other incentives are now present to encourage more geologists to become members of the Society, and these, in conjunction with the increase in hiring of new graduates in the petroleum industry over the past two years, should produce a growth rate of at least two per cent per year to 1990. The small number of Corporate Members in the Society is a matter that deserves attention, however. Currently at 61, the number is only one above the lowest level in the past ten years. Continued, active promotion of this class of membership is clearly required.

In the area of finance, it is useful to consider a three-fold relationship of revenue and expenditure. (1) Income from dues approximately offsets the costs of publishing and mailing the Bulletin and Reservoir, and of maintaining the Society's awards program; (2) revenue from sale of publications is approximately equal to the fixed costs of running the office, leaving only (3) profits from conventions, conferences, courses and other scientific programs to pay for the costs of our discretionary activities such as publishing the Society's Memoirs, Lexicons and other special publications, and supporting university programs such as the Sedimentology Display and the Student Industry Field Trip. Quite clearly, if the Society is to continue with these important discretionary activities, the scientific programs must continue to make profits; indeed, each must be designed to make a profit, not merely to break even.

Figures 2 and 3 illustrate the financial history of the Society over the past fifteen years and provide a perspective within which to plan. The abrupt increase in publication inventory (Figure 3) in 1983 was due to a change in the accounting formula used for evaluating the inventory, rather than to a massive increase in the actual inventory.
To begin systematic long-range planning, the 1985 Executive attempted to assess the magnitude of the Society's financial commitments and projected sources of revenue to 1990. The initial emphasis on finance does not reflect a philosophy of considering the Society's fiscal health more important than its scientific programs, but rather stems from a deep concern that the scientific programs must continue, and continue to be the lifeblood of the Society. Organizing conventions, producing publications and many other activities require long lead times, and Executive decisions taken today inevitably commit future Executives to paying the bills. Quite clearly it is inappropriate to run this Society on a fiscal philosophy of "The Lord will provide."

The Society is healthy at the moment but has been in a negative cash flow position for the past two years (Figure 2). Based on the best estimates available at the present time, and considering only those programs to which the Society is now committed, the cash flow will likely continue to be negative until 1989 at the earliest (Figure 4). The current reserve of funds on hand could be wiped out by the end of 1987 (Figure 5).

An old Confucian proverb says, "It is difficult to be a prophet, particularly about the future," and these projections will undoubtedly be wrong. They do underscore, however, the need for creative budgeting and attention to the bottom line if the Society is to continue to provide the
kinds of scientific programs that it has in the past. The time
to plan is before a disaster strikes.

Part of the planning involves the scheduling of the Society’s
Annual Conventions. Times have been booked at the Cal-
gary Convention Centre to the year 2000, and the Society
has confirmed themes to 1989:

June, 1986
Canada’s Hydrocarbon Reserves for
the 21st Century, Calgary

August, 1987
Second International Symposium on
the Devonian System, Calgary

May, 1988
(with GAC and MAC) Mesozoic Geol-
ogy of the Eastern Canadian Offshore,
St. John’s, Newfoundland

June, 1989
(with CSEG) Exploration Update ’89,
Calgary

In light of earlier comments, scheduling a convention
that would make money if held in Calgary, in St. John’s,
may seem irresponsible. The action was taken deliber-
ately as part of the Society’s commitment to a truly Cana-
dian identity, and in the belief that the St. John’s conven-
tion will make money for the Society. Moreover, a major,
well-organized Core Conference in Calgary the same year
would augment and thereby largely offset the smaller reve-
 nue raised by an out-of-Convention event.

As John Maher stated in last year’s Annual Report,
education is the priority function of the Society. Virtually
everything the Society does has an educational component.
A Special Advisory Committee on Education was estab-
lished last year, under the chairmanship of P.A.T. (Pat)
Haines, to recommend educational strategies for the So-
ciety for the next decade. The Committee submitted a
thorough and comprehensive final report at the January
22, 1986, Executive Meeting; it will now become the re-
ponsibility of the 1986 Executive to implement the recom-
mandations contained in it.

In 1978, the Executive Committee established the 50th
Anniversary Trust Fund to support, from its interest,
the Student Industry Field Trip and other educational endeav-
ours of the Society. The Fund, managed by a Board of
Trustees, has grown steadily, thanks in large measure to a
favourable ruling from Revenue Canada which allowed
interest and capital accumulation to be added to the Fund
tax-free until 1988. On November 30, 1985, the Fund stood
at $329,681, having grown from $272,231 a year earlier.
Exclusive of $12,746 in donations, the net annual growth
was 16.4 per cent. At the current growth rate, the Fund
should easily exceed half a million dollars by 1988, at
which time the interest must either be used for the pur-
poses for which the Fund was established or it becomes
taxable. In the interim, the Student Industry Field Trip
and all other educational activities continue to be funded
from current revenue.

In 1981, the National Liaison Committee (NLC) was
established to promote the Society in Canada outside
Calgary, and to provide a window on the rest of Canada for
the Executive in Calgary. During the past year, the Execu-
tive has increasingly taken the NLC into its confidence.
and, under the chairmanship of Graham Williams, the
NLC has become more active and effective in its role as a
national executive advisory committee. As Past-President
the NLC may provide the foundation for a nationally
elected Board of CSPG to set broad policy objectives.”

Our Society has been involved in joint projects with
the Geological Association of Canada for many years, at
least as far back as 1962 when the “Gussow Cross Sections”
western Canada were published. Each society serves a
different constituency of members and has strengths the
other lacks; both could benefit from increased collaboration.
Discussions have begun about each sponsoring sessions
on a regular basis at the other’s Annual Conventions, in
addition to holding occasional joint conventions, as we are
doing in 1988. Perhaps consideration should be given to
holding at least one joint Executive meeting a year. An
opportunity for increased cooperation between the two
societies was created this year with the election of Grant
Mossop, who served briefly on the 1984 CSPG Executive,
as Vice President (President Elect) of the GAC.

The international activities of our Society are dealt with
by several groups: the International Liaison Committee
(ILC), the AAPG House of Delegates Committee, the
International Division, and the Society’s representative
on the Canadian National Committee of the World Petro-
leum Congresses. The ILC has been active in promoting
contacts in southeast Asia through numerous scientific
meetings and workshops and, closer to home, has estab-
lished, with the Technical Luncheon Committee, a suc-
cessful speaker exchange program with the Rocky Moun-
tain Association of Geologists.

As an International Associate Society of the AAPG, the
CSPG is entitled to send 15 Delegates to the AAPG House
of Delegates. The CSPG Delegates Committee, under Chair-
man Bob Mummery, has assumed a much more active role
this year, guaranteeing that the concerns of AAPG
members in our Society are communicated effectively to the
AAPG Executive.

Our Society is a member of the Canadian Geoscience
Council (CGC), the national umbrella organization for
Canadian geoscience societies. One of the purposes of this
organization is to provide advice to governments on all
aspects of geoscience policy, ranging from science educa-
tion in the high schools to research in the petroleum and
mining industries. Last year, on the suggestion of John
Maher, the CGC established a committee to develop a
national program for accrediting Canadian university geol-
ogy programs as a first step towards guaranteeing transfer-
ability of registration of geologists among provincial
professional associations. Notwithstanding strong objec-
tions from universities, some progress was achieved. Our
concerns have been made known and further representa-
tions will be forthcoming.
Many CSPG members still have concerns about individual registration in the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA). The joint CSPG/CSEG/APEGGA Liaison Committee was established specifically to address problems in this perennially-contentious area, and individuals who are having problems should contact one of our representatives on the Committee.

Executive Committees for many years have grappled with the problem of how best to manage the Society. As the membership has grown and the Society's activities have increased in number and scope, management has become more complex. Two full-time staff have partly replaced volunteers, and the Society's own office has mostly replaced the facilities provided through the goodwill of employers. In comparison with other societies of similar size and activity, our Society has a very small paid staff, and this places very heavy demands on the volunteer elected Executive, particularly the Treasurer and Business Manager. The problem is compounded by the fact that each year the Society elects a totally new Executive (except for the President who traditionally has been the previous year's Vice-President), and each new Executive must spend about half its time learning how the Society operates. Although this procedure guarantees the infusion of new ideas, it is inefficient, a waste of talent, and makes it difficult to maintain continuity from year to year. Does the Society need a full time business manager? Can it afford one? Are there better ways of structuring the Executive Committee? Should the Society have a nationally-elected Board? These and other related questions will be addressed in the next year by a special Management Task Force that has been charged with devising a new management strategy for the Society.

Our Society runs on its committees — 70 at last count, plus eight Divisions and 10 to 15 liaison committees and representatives. Occasionally a committee may have to be rocked gently to get it off centre; equally, occasionally the brakes may have to be put on a committee's enthusiasm because of broader considerations. Most, however, go about doing the business of the Society quietly and efficiently. To me, the two words which best describe the Society's committees are "enthusiastic" and "committed" — the Society is deeply indebted to those members who give their time to make the committees, and thus the Society, work. In recognizing individual members of the Society, it is easy to overlook the fact that people are employed by companies, government agencies and academic institutions. The support provided by these organizations in making time and resources available for volunteers to do Society work is deeply appreciated. The continued success of the Society depends on strengthening the alliance that has developed over the years with industry, government agencies and universities. We need the continued, wholehearted support of these groups, and they in turn must realize that investing in a strong and active CSPG is to their own long-term advantage.

HIGHLIGHTS OF 1985

The Society and the Executive had an active year in 1985. Thirty meetings of the Executive Committee were held, including five lunch meetings and five meetings devoted to long-term planning. Many of the matters which occupied the time of the Executive have been discussed in the previous section. In the following section, some of the more important activities of 1985 have been highlighted; details are to be found in the final section on Activities by Committee.

The Society's Annual Convention, which took place in Edmonton, in June, was held jointly with the Petroleum Society of CIM. Three days of meetings, poster sessions, field trips and social events on the theme "Energy — Challenges and Opportunities" attracted over 800 professional registrants, including 600 (233 CSPG members) from Calgary. The technical content was excellent and, with the emphasis placed on heavy oil and enhanced recovery, very timely. The convention was also a financial success, generating a profit for the Society of $8,000. Maurice Carrigy and his committee are to be congratulated on a job well done.

Conferences, conventions and symposia scheduled for the future are:

1986 Annual Convention, Reserves 21 — June 2-4, Calgary

1986 15th Annual Geochautauqua, Computers in the Petroleum Industry: Integrated Approaches — October 2-4, Calgary (with International Association of Mathematical Geologists)
1987 Canadian Reef Inventory Project — January 27-30, Banff
1987 Second International Symposium on The Devonian System — August 17-20, Calgary
1988 Annual Convention, Mesozoic Rocks of the Eastern Canadian Offshore — May, St. John's, Newfoundland (with Geological Association of Canada and Mineralogical Association of Canada)
1989 Annual Convention, Exploration Update '89 — June, Calgary (with Canadian Society of Exploration Geophysicists)

During 1985, the Society reached a milestone in publishing the Bulletin of Canadian Petroleum Geology — issues came out on time, in the designated month. More high-quality manuscripts are being received than ever before, manuscripts are longer, and many have been coming from outside Canada. By December 31, Editor Bob Greggs had
completed both the March and June 1986 numbers, which are in the hands of the printer and copy editor respectively. The Reservoir, edited by Rory Hankel, appeared 11 times during 1985. Policy regarding inclusion of advertising inserts in the Reservoir was relaxed towards the end of the year in a move to reduce the direct costs to Society members of printing and mailing the newsletter. The Society's Geological Calendar was published again, but with a reduced print run, to match sales over the past two years more closely.

Predicting when our major publications will appear is almost as difficult as devising a system to win at gambling! Work is still proceeding on volumes which were to have been published years ago. Apart from field trip guidebooks, continuing education course notes and the full-scale sepias of the Cross-Sections of the Western Canadian Sedimentary Basin, no significant publications came out in 1985.

Volume 6, Atlantic Canada, of the Lexicons of Canadian Stratigraphy series went to the printer at the end of 1985 and should be available for distribution in the first or second quarter of 1986. Paleontographica Canadiana No. 2, Middle Cambrian Sponges of the Canadian Arctic, by Keith Rigby (published jointly with GAC) will be available in the first quarter of 1986. The first part of the Oil and Gas Pools of Canada volume is being edited and will probably be at the printer by mid-1986. Similarly, Memoir 11, Shelf Sands and Sandstones, and Geology of the Calgary Area may be in press by the second quarter of 1986. Under a new editor, "History of the CSPG 1927-1977" could appear late in 1986. Also scheduled for a late 1986 release is Volume 5B, St. Lawrence Lowlands, of the Lexicons of Canadian Stratigraphy series. Volume 4 of the Lexicons, Western Canada, will probably not appear until 1987 and the remaining volumes after that.

The Society’s noon-hour Technical Luncheons set a new record this year with an average attendance of over 900, thanks to the efforts of Brad Hayes as Chairman of the Program Committee and Chris Le Gallais as Ticket Coordinator.

The Continuing Education Committee under the chairmanship of Andrew Zolnai presented a program of four courses in 1985. These were well-subscribed and generated substantial profits for the Society, despite being priced at less than half the cost of equivalent commercially-offered programs. Courses are now being organized and advertised more than a year in advance of being held, a procedure which inevitably leads to better attendance, as company training coordinators can plan to include the Society’s offerings among their selections.

Three successful one-day field trips were run during 1985; four are planned for 1986. In 1985, geologists still remain field-oriented, and these trips are always popular with our members.

The "Banff Conference" — National Conference on Earth Science — was once again a technical success, although the enrollment was lower than expected. Forty-one participants heard Doug Shearman, Robert Evans, Lawrence Hardie and Fred Schwerdtner discuss "Evaporites and Hydrocarbon Occurrences" over a four-day period, at the Banff Centre for Continuing Education. The 1986 conference, on "Geology and Reservoir Management," will be held from September 15 to 19.

The Honorary Address, Exploring the Mountains of the Sea, was presented by Robert D. Ballard, of Woods Hole Oceanographic Institute, to a spellbound audience of nearly 2,000 at the Jubilee Auditorium. The lecture was illustrated by spectacular slides and a film of Ballard's underwater world, including shots of the sunken liner "Titanic," which was discovered by Ballard only a few weeks before the presentation.

The eight Divisions of the Society — Coal, Geochemistry, Geomathematics and Computer Applications, International, Paleontology, Petrology, Sedimentology and Structure — continued to provide opportunities for informal exchange of ideas on topics of interest, through lectures, panel discussions and field trips. The Geomathematics and Computer Applications Division sponsored "GeoTech '85" in September, 1985, and will be organizing the 15th Annual Geochauutauqua on Computers in the Petroleum Industry in October, 1986. Also in the fall of 1986, the Sedimentology Division has scheduled a core conference as part of its plan to offer one of these popular events every two years.

Honorary Memberships were awarded to Robert N. Ginsburg for his outstanding contributions to the science of geology through his work on modern and ancient carbonates, and to R. Perry Glaister for his contributions to the Society in publishing, editing and committee work over the past 30 years.

The R.J.W. Douglas Medal was awarded to Eric W. Mountjoy in recognition of his work on the structure, stratigraphy and depositional history of Devonian to Proterozoic Systems in the Front and Main Ranges of Alberta and British Columbia.

The Medal of Merit for the most significant paper dealing with the petroleum geology of Canadian sedimentary basins was awarded to W. Kalkreuth and M.E. McMechan, and the Link Award for the best paper presented at the Technical Luncheons during 1985 was won by David P. James.

Awards which in past years were termed Special Service Awards were renamed President’s Awards this year, to reflect their position as the highest service award which can be given by the Society. Two President’s Awards were made in 1985: to Maurice A. Carriag, as CSPG General Chairman of the 1985 CSPG/CIM joint Annual Convention, and to Rory C. Hankel for serving as Editor of the Reservoir for the past three years.

The terms of reference for the Tracks Award were changed during the year, to increase the stature of the award. Five Tracks Awards were presented to recognize exemplary service to the Society.

A new award, the Service Award, was introduced to recognize contributions members make through commit-
tee or other Society work. Nineteen Service Awards were made during the year.

The Society continues to support excellence in a wide range of educational endeavours. Three graduate scholarships in geology and one in marine geoscience, each worth $1,000, were won, respectively, by Jack Botsford (Memorial), Donald Kaylor (McGill), Kaushik Rakhit (Alberta) and Sandy Denton (British Columbia). The Stanley E. Slipper Undergraduate Award, consisting of student membership in the Society and a certificate, was presented to 28 students across Canada.


The John B. Webb Memorial Trophy for the best paper delivered at the Western Inter-University Geological Congress was won by Jeffrey McDonnell of Trent University, and the CSPG Trophy for the best paper at the Atlantic Inter-University Geological Conference was won by Vince Clifford of St. Mary’s University.

The Student Industry Field Trip was once again a rousing success, under the dynamic chairmanship of Marjorie Sutherland. The two-week program provides a unique opportunity for 32 geology students from across Canada to learn about the petroleum industry, see some excellent geology, and make friends.

To add to the support given to geological education, a sedimentology display "The Cretaceous Oil Sands of Canada" was designed and built during 1985. The display will begin a tour of geology departments in Canadian universities early in 1986. Requests already received guarantee that the display will be on tour for at least two years, and demonstrate a very high demand for teaching material of this type.

The 50th Anniversary Trust Fund, established in 1978 to support educational activities, grew at a satisfactory, if not spectacular rate of 16.4 per cent during 1985. A Special Fund-Raising Committee was established in 1984 to raise additional money for the Trust Fund. During 1985, this committee organized the first annual CSPG Art Project. Artists from western Canada are producing original works for commission, auction and sale, on the theme "Exploring Art and the Earth." The auction and sale of almost 200 pieces will be held at the Jubilee Auditorium in April, 1986.

To provide tangible benefits to members, and to encourage more geologists to join the Society, the Executive has introduced a policy which has raised the price of CSPG publications to non-members, and which will allow non-members to register for Society functions only after members have been given preference.

In the Society office, 1985 was marked by several events. The CSPG image was enhanced by the addition of a bronze Founders Plaque commemorating the original twelve members of the ASPG, and the display of a collection of photos of ASPG Past- Presidents, and three new award plaques. The CSEG moved into an adjoining office, and our Society is now arranging to share several facilities with them.

The publications inventory was placed on the office computer, allowing a closer monitoring of sales than in the past. The computer is proving invaluable for other tasks such as word processing, keeping track of accounts and producing mailing labels.

For me, personally, the highlight of the year has been the opportunity to serve the Society and to work with the 1985 Executive and office staff. They constitute as dedicated a group of professionals as anyone could ever hope to find. It has been a pleasure and a great privilege to have been President of this Society.

ACTIVITIES BY COMMITTEE

CONFERENCES, CONVENTIONS AND SYMPOSIA

1985 CSPG-PETROLEUM SOCIETY OF CIM JIION CONVENTION — ENERGY: CHALLENGES AND OPPORTUNITIES (Maurice A. Carrigy, CSPG General Chairman; Gordon A. Stewart, CSPG Technical Program Chairman; Sherry Carroll, General Secretary; Brian Rottenfusser, Entertainment Co-Chairman; Scott McDougall, Sid Leggett, Bill Martindale, Liz Breakey, Dave Flint, Naomi Van Ruskenveld, Darcie Greggs, Adel Tamman, Grant Wach, Anne Ing, Peter Flach, Bill Ryan, Paul Precht, Tai Yoon, Diana Purdy, Brian McGee, Don Scafe, Rosalyn Ingram, Alice Payne, Dixon Edwards, Sandra Walliser, Klaus Pechot, John Godfrey, Doug Boisvert, Paul Patton, Andrew Bosman).

The joint CSPG Annual Convention and Annual Technical Meeting of the Petroleum Society of CIM was held at the Edmonton Convention Centre from June 2 to 5, 1985, attracting 864 technical participants and 170 accompanying members. Less than one third of the participants were CSPG members. Notwithstanding the small attendance, the conference was financially successful, producing an operating surplus of $8,900 for the Society Treasury.

The conference began with a Plenary Session addressed by John Zaozirny, Alberta Minister of Energy and Natural Resources; Paul Joseph, Senior Analyst, Burns Fry Limited; David Kitchen, Senior Vice President, Global Energy Group, Royal Bank of Canada; Gerry Maier, President and C.E.O. of...
Bow Valley Industries Ltd.; and Peter Gretener, Professor of Geophysics, The University of Calgary.

A total of 98 technical papers were offered, covering 14 topics (Reservoir Case Studies, Well Stimulation, Oil Sands, Oil Fields, Reservoir Geology, Future Challenges for the Industry, Well Testing and Production, Enhanced Oil Recovery, Plant, Pipelines and Production, Drilling and Drilling Fluids, Simulation and Modelling, Well Logging and Coring, Heavy Oil Geology, Geochemistry/Hydrodynamics) in 6 simultaneous sessions. Fourteen excellent poster-core displays were available for examination throughout the Convention covering a particularly appropriate mix of topics for the audience of geologists and engineers. The Technical Committee, under Gordon Stewart, is to be commended for assembling a very stimulating, high-quality geological program to complement the engineering program assembled by the Petroleum Society.

Unfortunately, registration for the scheduled field trips was disappointing, and all except trips to the Esso-in-situ heavy-oil pilot plant at Cold Lake and Shell’s Scotford Refinery were cancelled. Members of the Edmonton Geological Society planned and organized the field trips, and are to be commended for handling a difficult task in an exemplary manner.

The Bavarian Beerfest Icebreaker with good food, good music and good beer at the Convention Centre, and the Barbeque and Casino with more of the same plus gambling with “funny money” and an auction of contributed prizes at the end of the evening, were enthusiastically received by the participants and provided excellent informal opportunities to bridge the “geology-engineering gap.” On the final evening, a Theatre Night at Stage West provided a more sedate social event which, like the others, was fully subscribed.

Registration of delegates was handled very efficiently by Greg Lancaster and his committee, using an on-line computer system provided by Digitech Systems of Calgary. As a result of this ‘high-tech’ solution to a problem which has always faced conference organizers, registration statistics, lists of participants and their addresses and preliminary financial information on the conference were continuously available to the organizing committee.

This was the second time the CSPG and the Petroleum Society have collaborated in systematically addressing common problems that will be solved effectively only by the joint application of geology and engineering. Such collaborations will become increasingly important in the future as problems of petroleum discovery and exploitation become ever more complex.

Notwithstanding the difficulties inherent in an out-of-Calgary conference — particularly, low attendance by members from Calgary — the 1985 Convention must be judged a success, and the Society is deeply indebted to the many volunteers who worked long hours to ensure that success.

1986 CSPG ANNUAL CONVENTION — CALGARY. ALBERTA: “RESERVES CANADA 21” — CANADA’S HYDROCARBON RESERVES FOR THE 21ST CENTURY (H. J. Sullivan, General Chairman; George Eynon, Vice-Chairman and Technical Program Director; Lois Kokoski, Convention Co-ordinator; T.R. Marchant, Abstracts Editor; M.G. Weber, Field Trips Chairman; A.P. Hamblin, Short Courses Chairman; Bridget Garey, Commercial Exhibits Chairman; G.E. McMaster, Entertainments Chairman; N.I. Corbett, Publicity Chairman).

“Reserves Canada 21 — Canada’s Hydrocarbon Reserves for the 21st Century” is the theme of the 1986 Annual Technical Meeting of the CSPG, which will be held June 1-4, in Calgary. The program will emphasize the technical contribution of CSPG members to finding resources for the country’s long-term energy requirements. Where are those resources that will see us into the 21st century and what technologies and skills are we going to need to add significantly to that inventory?

The program includes: a plenary session with three world-renowned geologists (Bert Bally, Robin Bathurst and Charles Curtis); nine full- or half-day sessions on geographic and methodological areas of interest (organized by Gerry Varney, Don Cook, Eric Dahlberg, Bernard Collot and Dale Bowering, Dick Fullerton, Fred Alcock, Peter Gretener and Grant Ward, Graham Williams and John Kramers); field trips; short courses; poster sessions (possibly featuring various Universities and the National High School Science Fair Exhibits); commercial exhibits; a mixed general-interest and geological film theatre; and a Caribbean theme ice-breaker.

Watch for the March mailing of the pre-registration brochure and sign up early for those ancillary activities!


The Canadian Society of Petroleum Geologists, the Atlantic Geoscience Society and the Inter-Union Commission on the Lithosphere are jointly sponsoring a symposium on “Basins of Eastern Canada and Worldwide Analogues.” It will be held at the Nova Scotian Hotel in Halifax from August 13-15, 1986. Oral presentations of 30-40 papers are planned. Up to 300 delegates can be registered.

During 1985, the Organizing Committee established an operational budget for the symposium, made site arrangements and issued the first and second circulars. The Scientific Program Committee has planned sessions on passive margin basins, foredeep and foreland basins, intracratonic and successor basins, with invited speakers discussing examples from Eastern Canada and elsewhere. Funding has been obtained to offset the costs of invited speakers from abroad. Poster sessions and a Maritimes field trip are also planned. Two hundred fifty rooms at the Nova Scotian Hotel have been reserved for delegates.

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In the coming year, a third and final circular will be issued, the scientific program will be finalized and logistical arrangements will be completed to reflect registration projections. An editorial committee is being set up to compile a CSPG memoir containing papers presented at the symposium.

**CANADIAN REEF INVENTORY PROJECT** (Jeffrey J. Packard and Rand S. Harrison, Co-Chairmen; Nigel Watts and John Kaidi, Technical Co-Chairmen; Bill May, Finance Chairman; Christian Viau, Publicity Chairman; Noel P. James, Helmut Geldsetzer, Gordon Tebbutt, Memoir Editors; Ian Hunter, Short Course Co-ordinator; Les Eliuk, Mesozoic System; Graham Davies, Permian System; Barry Richards, Carboniferous System, Peter Moore, Devonian System; Pierre-Andre Bourque, Silurian System; Mike Cecile, Ordovician System; Jim Aitken, Cambrian System; John Grotzinger, Precambrian Systems; John Hopkins, University Liaison; Margaret-Anne Stroh, Conference Co-ordinator; Ross Lennox, Paul Copper, Owen Dixon, Jim Dolph, Norman Fischbuch, Ian McLreath, Digby McLaren, Eric Mountjoy, Robert Workum, Advisory Council)

The Canadian Reef Inventory Project comprises three segments: a three-day invitational symposium restricted to 300 participants, to be held in Banff, Alberta, from January 27 to 30, 1987; a two-day, pre-symposium short course on reefal carbonates to be held in Calgary immediately before the symposium and run jointly with the CSPG Continuing Education Committee; and a CSPG Memoir which will include detailed descriptions of reefs through geologic time, from Precambrian to Mesozoic.

During the year 12 committee meetings were held at which the venue and date for the symposium were established, the committee structure set up, the first and second circulars mailed, advertising placed, potential corporate sponsors contacted, the groundwork for the pre-symposium short course laid, and the format for the Memoir established. In addition, direct contact was made with individual reef research workers around the world through a campaign conducted by the system co-ordinators.

A call for papers will go out in January or February 1986, and the advertising and fund-raising campaigns will be continued.

The project is on target with every likelihood of successful outcome for all three of the components (short course, symposium and memoir).

**1987 CSPG SECOND INTERNATIONAL SYMPOSIUM ON THE DEVONIAN SYSTEM** (Digby J. McLaren, General Chairman; Ian A. McLreath, General Manager; Ashton Embry, Technical Program Chairman; Jack McMillan, Publication Editor; Gayle Koch, Finance Chairman; Geoff Burrowes, Field Trips Chairman; Fed Krause, Scientific Exhibits Chairman; Hans Speelman, Publicity Chairman; Yvon Rivard, Printing Chairman; Bob Potter, Accommodation Chairman; Tim Marchant, Abstracts Editor; David Hughes, Registration Chairman; Brian Miller, Technical Services Chairman; Ed Schultz, Grants Chairman; Lisa-Henri Kirkland, Transportation Chairman; Scott Gardner, Pat Sowerby, Ed Klovian, Jack Wendte, Frank Stoakes, Mike Cecil, Dave Morrow, Gary Smith, Tony Tarkand, Alan Pedder, Kathy Fless, Ted Watchuk, John Weissenberger, M. Hanna, Doug Lehto, A. S. Millholland, Elizabeth Snow, Ian Kirkland)

A series of organizational meetings for the Second International Devonian Symposium was held throughout the year. This four-day symposium (August 17-20, 1987) will focus on Devonian paleogeographic reconstruction throughout the world, and will also include sessions on numerous other topics. In addition to oral presentations, poster, core and paleontological displays are planned. The proceedings of the symposium will be published as part of the CSPG Memoir series. Field excursions to exposures of Devonian rocks throughout Canada will complement the technical program. Specific details may be found in the First Circular and Call for Papers, which was distributed in the last quarter of 1985. responses to the First Circular are currently being analyzed.

The symposium is now being publicized worldwide through an aggressive advertising campaign in all major foreign journals. Our current objective is to organize fund-raising to support the publication, keynote speakers and several other major functions.

Plans for 1986 include distribution of the Second Circular and design of the Third Circular, completion of major fund-raising activities, obtaining of airline sponsorship and production of author's/speaker's kits.

This symposium, twenty years after the ASPG-sponsored First International Symposium on the Devonian System, will bring together the world's leading authorities on the Devonian; the meetings, displays, field trips and publication will be a landmark contribution to geological science.

**1988 CSPG-GAC-MAC JOINT CONVENTION — ST. JOHN'S, NFLD** (Anthony J. Tankard, CSPG Chairman)

Plans are well underway to hold our 1988 convention in St. John's, Newfoundland, in conjunction with the annual meetings of the Geological Association of Canada and the Mineralogical Association of Canada, in May, 1988. Several meetings have been held in St. John's to discuss conference themes, activities and committees. As a result, the broad outlines of the conference have been established: six joint CSPG-GAC sessions which will focus specifically on the Mesozoic geology of the eastern Canadian offshore. During the coming year, committees will be established and details of the program fleshed out.

Persons who would be interested in helping to organize this challenging event are invited to contact the Chairman, Tony Tarkand, at Petro-Canada.

**1989 CSPG-CSEG ANNUAL CONVENTION—EXPLORATION UPDATE '89**

An agreement has been reached with the Canadian Society of Exploration Geophysicists to co-sponsor an Annual
Convention in 1989 on the "Exploration Update" theme that has characterized joint conferences with the CSEG in the past. Key members of the organizing committee will be chosen in 1986 so that planning for the event can proceed in an orderly manner.

Anyone interested in volunteering to work on this conference is asked to contact the President or leave his/her name at the Society office.

PUBLICATIONS

BULLETIN OF CANADIAN PETROLEUM GEOLOGY (R.G. Greggs, Editor)

1985 has seen a surge in the number of manuscripts submitted for publication. In total pages, the Bulletin will probably surpass the 1980 volume, with seven or eight manuscripts in each issue. In addition to the increase in number of manuscripts, the length of each manuscript also appears to be on the rise. Many manuscripts comprise 60 or more pages of typing plus numerous figures. Papers have been received from all across Canada, from U.S.A., Africa, Italy, France; and queries have been received from authors in England.

The Bulletin is taking on more international aspects, a tendency which will be tempered by the objective of maintaining our Canadian content as high as possible.

Volunteer reviewers of manuscripts totalled almost 100 this year, and eight to ten bilingual geologists contribute their efforts in translating abstracts into French.

In 1985, publishers were encouraged to send us their new titles in geology and other petroleum-related disciplines (geophysics, well logging, formation evaluation, economics, reservoir engineering, computing, etc.). As a result, more than 75 books have been received and sent out for review. Our sister societies have provided many of the new reviewers required for these other disciplines.

Beginning with the March 1986, issue of the Bulletin, the Book Review section will increase in length and be divided into detailed and annotated reviews.

At the end of 1985, Peter Putnam took over as Book Review Editor from Ian McIlnreath; and R.J. Knight, C.E. Dunn, B.D. Ricketts, G.L. Williams, L.S. Eltuk and G.E. Reinson completed their three-year term as Associate Editors.

Each issue of the Bulletin is the result of the volunteer efforts of 75-100 Society members. Without this generous support, such a publication would not be possible.

RESERVOIR (Rory Hankel, Editor; Hans Speelman, Assistant Editor)

The CSGP Reservoir, the Society's newsletter, was published the customary 11 times in 1985, once per calendar month, except for the summer edition which incorporated both July and August. The average size of the 1985 Reservoir, excluding advertising inserts, was 12 pages, the same as 1984 and 1983. However, three editions in 1985 actually attained 20 pages, and eight editions contained advertisements of an additional four or eight pages. The number of copies printed per edition increased to 4,700, up from 4,500 in 1984.

The published material typically included technical abstracts, Society and division announcements, Executive comments, CSGP courses and publications, information related to sister societies and articles of scientific or industry merit. One sequence of letters to the editor regarding the invitation of an avowed creationist to address a technical luncheon, actually threatened to become heated. Overall, though, few letters regarding any topic were received from the membership-at-large.

The end of the year saw a change of editorial staff. Hans Speelman accepted the reins as the new Editor, replacing the outgoing Rory Hankel. The Assistant Editor is now Doug Lehto, and both gentlemen may be joined in 1986 by an Advertising Editor who will assist in implementing proposed changes in advertising policy.

Cooperation with committees and their Chairmen continued to be exceptional and most copy received was incorporated in the Reservoir. The committee thanks the CSGP office staff and Commercial Printers Ltd. for their continuing support in publishing the newsletter.

SHELF SANDS AND SANDSTONES — MEMOIR 11 (R. John Knight and J. Ross McLean, Editors)

This memoir, which is currently in the final editing stage, will contain 21 papers and the abstracts from the research symposium on Shelf Sands and Sandstones sponsored by the Society in 1984. Publication of the memoir is expected by the third quarter of 1986.

LEXICONS OF CANADIAN STRATIGRAPHY—VOLUME 3, WESTERN CORDILLERA OF BRITISH COLUMBIA AND S.W. YUKON (W.R. Danner, T. Hoy, Editors)

Compilation continues and revisions are being made to conform to published material in the recent literature. Unfortunately, very few contributors have turned in descriptions, and others who have been considered authorities and asked to submit material have stated that they "... are too busy."

The Vancouver Island section will be complete by the end of 1985; and the project should be completed in 1986. It may be wise, however, to wait for publication of the DNAG volumes for western Canada, as otherwise the lexicon could be outdated as soon as it is published.
LEXICONS OF CANADIAN STRATIGRAPHY—VOLUME 4, WESTERN CANADA (J. Grassby, Editor; C. Buck, R. Hawes)

Work on the Western Canada Lexicon is proceeding rapidly once again, under a new Editor. The publication will contain approximately 1200 entries including local variants, synonyms and obsolete terms. Of this number, 200 are complete, 600-700 are in various stages of typing and editing, 200 are being written and a further 100 have been reassigned to new authors because the original authorities were “too busy.” The numbers are approximate, and it is difficult to quantify the effort at any given moment, as entries are in many different hands for varying lengths of time. The committee plans to have the project completed and the final manuscript sent to the printer by the end of 1986, but dates are difficult to pin down because of the piecemeal nature of the work.

LEXICONS OF CANADIAN STRATIGRAPHY—VOLUME 5A, CENTRAL CANADA—HUDSON BAY LOWLANDS (T.E. Bolton, P.G. Telford, Editors)

Of an estimated 400 stratigraphic names spanning the Cambrian to Cretaceous Systems, approximately half have been prepared for the lexicon, and work on the remainder is continuing. Plans are to complete the first draft of the manuscript by the end of 1986, or in early 1987, for publication in late 1987 or early 1988.

LEXICONS OF CANADIAN STRATIGRAPHY—VOLUME 5B, ST. LAWRENCE LOWLANDS (Y. Globensky, Editor; T.E. Bolton)

The first draft of the manuscript containing entries for more than 300 stratigraphic terms is complete and is being reviewed prior to publication. Tentative arrangements call for a joint publication by CSPG and the Quebec Ministère de l’Énergie et des Ressources in the standard CSPG Lexicon format, but entirely in French. The publication should be available in late 1986.

LEXICONS OF CANADIAN STRATIGRAPHY—VOLUME 6, ATLANTIC CANADA (Graham Williams, Editor; Judith Watt, Technical Editor; Julie Bryant, Manon Daneau, Bill MacMillan, Kevin Reardon, Diane Weber, Assistant Editors)

The lexicon on the Atlantic Region is the first such compilation on the lithostratigraphy of eastern Canada. The Atlantic Region is taken to include New Brunswick, Newfoundland and Labrador, Nova Scotia, Prince Edward Island, and the east coast offshore. The lexicon includes information on all named lithostratigraphic units designated as members, formations, groups and supergroups, and all named lithostratic units.

Detailed write-ups of all formal units are included in one of two sections. The first covers all Precambrian and Phanerozoic units, apart from the Quaternary. The second includes all Quaternary units. Other sections, in order of appearance, are: Informal Terms, Abandoned Terms, References, Geochronologic Grouping of Formal Terms (Appendix A), and Index (Appendix B).

The format for the formal units represents a slight modification of that adopted for Volumes 1 and 2. Subheadings for each entry are: Unit Name, Age, Author, Type Locality, Lithology, Thickness and Distribution, Relations to Other Units, Age Justification, History and References. This format is adhered to throughout, although occasionally there may be no discussion under history. The lexicon includes over 900 formal units.

There are about 610 informal terms. The abbreviated information provided for each entry includes: Unit Name, Hierarchical Standing, Author and Date, Age, and Location. The format for the abandoned terms differs only in listing present assignment. Over 790 terms are considered abandoned in this edition of the lexicon.

Typesetting of the pages is now complete, with the lexicon being in the hands of the printer (as of January 31). The present schedule should ensure publication in April or May, no small accomplishment for a book of 580 pages.

The production of the lexicon has necessitated contributions from over 50 compilers, a four-year commitment by the editors, two years technical editing by Judith Watt, and devoted eons by the typist, Nelly Koziel. Since this should be the final report on this behemoth, the Committee would like to thank the various provincial and federal agencies which have provided support throughout the project. Particular thanks are extended to the New Brunswick Department of Natural Resources, the Newfoundland Department of Mines and Energy, the Nova Scotia Department of Mines and Energy, the Prince Edward Island Energy and Minerals Branch, and the Geological Survey of Canada. The Committee is also grateful for the financial support provided by the Society and for the continuing encouragement of the Executive and especially of Jim Dixon, the Senior Editor.

LEXICONS OF CANADIAN STRATIGRAPHY—VOLUME 7, PRECAMBRIAN (L.V. Hills, Editor)

This volume will include terms from the area volumes as well as terms not covered in the other lexicons. Little progress was made during 1985, and work pressures caused the editor to step down at the end of the year. A new editor is actively being sought. It is hoped that 1986 will see this volume moving ahead.


As a supplement to the coloured cross-sections published with the Geological Association of Canada in 1984, the CSPG published, and now has for sale, a limited number of sepia of each cross section at twice the published scale. A complete set, including one copy of the coloured sections, sells for $300 and allows purchasers to make an unlimited number of large-scale blue lines copies for their own use.
Union Oil produced the sepiaus for the Society, and their help is gratefully acknowledged.

OIL AND GAS POOLS OF CANADA (Roy Benteau, Chairman; Jim Dixon, General Editor; Peter Moore, Technical Editor; Rick Sebastian, Ron McKeiver, Bob Mepham, Peter Sherrington, Roger Dueck, Bud Biswas)

During 1985, the committee completed the technical editing of 35 submissions; these are now in the final editing process and should be ready to go to the printer by April 15. The committee is looking forward to the release of the first "package" of what will be a continuing publication of data on Canada’s oil and gas pools by August or September of 1986.

In 1986, the committee plans to contact all authors who have submitted papers for the publication and to seek actively for papers to be published in the next issue.

BASIN ANALYSIS — WESTERN CANADA SEDIMENTARY BASIN (John Kaldi, Editor)

As a result of contacts with the Open University in Britain, stimulated by a potential joint video project with the Atlantic Geoscience Society, the CSPG began negotiations with the Open University on their initiative about jointly publishing a university-level text on basin analysis, using the western Canada sedimentary basin as an example. The book would be approximately 200 pages long, published in soft-cover, similar in format to "Facies Models" published by GAC, and would sell for approximately $15 in Canada. A survey of Canadian university geology departments suggests that an annual market exists for 200 to 300 copies of such a publication for use as a supplementary text in third-year and fourth-year geology courses. We also see a considerable professional market, particularly among the younger members of our Society.

The CSPG is committed to preparing and publishing the volume under the editorship of John Kaldi. Plans call for manuscript preparation by 1987 and printing of the book by 1988. Members interested in working on this project should call John at 232-7100.

PALEONTOLOGICAL MONOGRAPHS (Paul Cooper, Chairman; Rolf Ludvigsen, Co-Chairman and Editor; Alan Higgins)

During 1985, the committee applied for and received a grant of $7,500 from the Canadian Geological Foundation, to publish a new monograph (Number 2) in the Paleontographica Canadiana series, J. Keith Rigby’s "Middle Cambrian Sponges of the Canadian Arctic." The volume will be released from the printer on January 20, 1986. The next volume in the series will be Steve Westrup’s monograph on Late Cambrian (Sunwaptan) trilobites from the Canadian Rocky Mountains. A further three or four other monographs are in various stages of preparation.

Publication of these valuable monographs is expensive. Thus far, the series has been generously supported by the Canadian Geological Foundation, but the Foundation may not be an indefinite source of funds. Fund-raising in the petroleum industry will become a critical issue in the coming years. All those who read this are urged to have their company librarians subscribe to the series. Similarly, many university libraries do not yet have the series on a standing order basis.

CALGARY’S GEOLOGICAL SETTING (L.E. Jackson, Jr., and M.C. Wilson, Editors)

Compilation of a book now titled "Geology of the Calgary Area" was initiated several years ago by L.V. Hills (University of Calgary). Because of the increasing pressure of other commitments, Len Hills enlisted Lionel E. Jackson, Jr. (formerly of the ISPG) and Michael C. Wilson (University of Calgary) to take over as co-editors. Papers were solicited and compilation was nearly complete by late 1984. However, late submission of one article and a request by a second group of authors in 1985 for a revision of their article, resulted in delays that lasted several months. Jackson’s earlier transfer to the Vancouver branch of the Geological Survey of Canada complicated matters, and Wilson faced a significantly increased teaching load. However, in 1985 Jackson and Wilson met in Vancouver to undertake much of the final editing, to standardize format, to compose a glossary, and to deal with other editorial matters. The editors hope that the volume will appeal to a wide audience including the general public. Editing of sometimes obscure scientific prose into understandable English has on occasion been a formidable task.

With submission of the revised article, final formatting began on the word processor near the end of 1985, punctuated by the last-minute rescue of manuscripts from one word-processing company only a day before it went out of business. Publication is slated for 1986. The book includes introductory chapters by Jackson and Wilson and ten papers dealing with subjects pertaining to the greater Calgary area. The Calgary area has been liberally defined to include localities within a comfortable day’s drive of the city, and the volume also includes discussion of the subsurface features associated with resource development.

Delays in the preparation of this volume have been frustrating for all concerned, but in the last two years our time available for volunteer work has fallen dramatically with wave upon wave of budgetary “crunches” and, in the case of the university, with continuing high numbers of geology students. Len Hills deserves our thanks for putting this project in motion, and we trust that 1986 will see the end of a long editorial saga.

HISTORY OF THE CSPG — 1927-1977 (David Monachello, Chairman; François Gauthier, Roger Grette)

A mock-up of a 40-page review of the first fifty years of the ASPG/CSPG was prepared, a start was made on writing the manuscript, and historical photos were obtained from the Provincial Archives. The publication will empha-
size the contributions of our twelve founding members and the relationships among national and world events, the growth of the petroleum industry in Canada and the growth and development of our Society. Virtually all the information necessary has been collected and it is hoped that the publication can be produced in 1986.

Dave Monachello resigned as Chairman at the end of the year and was replaced by François Gauthier.

Volunteers are urgently needed to work on completing the publication.

GEOLOGICAL CALENDAR COMMITTEE (Clinton R. Tippett, Chairman; Felix Frey, Bob McMahan, Wayne Foo, Lindsay Orr, Mike Perkins, Mike Weber, Larry Baldwin, Bob Faught)

Two thousand 1986 geological calendars were printed; by January 1, 1986, all but 500 were sold, largely through the efforts of the office staff, the Publications Sales Committee and a number of individuals in different organizations.

The entire committee meets only once a year, for two to three hours, to select photographs for inclusion in the following year's calendar. For the remainder of the year, the work of the committee is carried out by the Chairman.

The CSPG has published a yearly geological calendar since 1978. Last year, the AAPG, inspired by our idea, published their own version. The price charged for our calendar, approximately half of what the AAPG charges for theirs, covers only costs and postage, and that only if most of the press run is sold at best producing break-even finances.

At the end of the year, Clint Tippett stepped down as Chairman and was replaced by Ralph Holyoke.

MEMBERSHIP DIRECTORY (P.W. Hay, Chairman; C. Laws, B. Carrigy, W. Bader, C. Black)

A new Membership Directory will be published in September, 1986. The format will be similar to that of the 1984 Directory. Advertising on a limited scale will be included and the type size may be reduced somewhat to lower the cost of the publication.

M.Sc. AND Ph.D. THESES COMMITTEE (L.V. Hills, Chairman)

The titles of Canadian M.Sc. and Ph.D. theses in geology are published (usually annually) in the Bulletin. Unfortunately, this has been delayed for the past couple of years, but plans are to publish the 1983, ’84 and ’85 theses titles by the middle of 1986.

CSPG INDEX (P.W. Hay, Chairman; C.R. Dixon, B.G. McIntyre, G.T. Stabb)

The committee continues to index all papers in current CSPG bulletins, memoirs, field trip guidebooks and special publications by selecting keywords and reference terms under which those papers might be found. All 1985 Bulletin papers, sorted by subject, author and NTS area, were indexed and published in the December, 1985, Bulletin.

A new indexing format has been designed to facilitate input of CSPG-indexed data to GEOSCAN, the Canada-wide index to geologic data, and to GEODIAL, Alberta’s index to geologic data. Access to either GEOSCAN or GEODIAL may be obtained through the Alberta Research Council, and GEODIAL may be accessed through the libraries of most major oil companies or by contacting Midge King, Librarian at the Gallagher Library at the University of Calgary.

REPRINT SERIES (N.J. McMillan, Chairman)

As a result of consultations between the Chairman and the Executive Committee during the year, it was decided that this standing committee be disbanded. Reprints of out-of-print papers or collections of papers would still be considered for publication by the Society provided a demand for such publications could be demonstrated. Each reprint collection would be organized, edited and prepared for publication by an ad hoc committee of interested members.

OTHER SCIENTIFIC PROGRAMS

TECHNICAL PROGRAM COMMITTEE (Brad Hayes, Chairman: John Kaldi, Chris Le Gallais, Brenda Geddes, Barry McNamara, Kathy Scales, Pamela Waters)

CSPG Luncheon Meetings, organized by the Technical Program Committee, enjoyed another very successful year in 1985. Twenty meetings featured speakers from companies, universities, and government institutions in Canada and the United States. A variety of topics in sedimentary and petroleum geology was included, as well as some related topics such as basement recycling, exotic terranes, catastrophic processes, and computers in petroleum exploration. Notable events included the excellent talks by AAPG Distinguished Lecturers early in the year and RMAG Visiting Speakers late in the year, and a price increase to $11, made necessary by increased meal costs. The average attendance in 1985 was 903, up from an average of 880 in 1984.

During 1985, Brad Hayes continued as chairman of the Technical Program Committee, assisted by John Kaldi. Chris Le Gallais continued as Ticket Coordinator, and Barry McNamara took over financial duties from Brenda Geddes in mid-year. Kathy Scales obtained mementos for the speakers and was the projectionist, and Pamela Waters arranged thankers.

Meeting dates have been scheduled at the Westin Hotel through 1986, and some excellent speakers have been confirmed for the January to June session. Suggestions from CSPG members regarding speakers or other aspects of the luncheon program are welcome.
The following is a list of 1985 speakers and topics:

January 9, 1985: Jeffrey J. Lelek, Amoco (Denver): “Anschutz Ranch East — Finding and Defining a Giant Oil Field in the Thrust Belt” (attendance 976)


March 11, 1985: Robert H. Workum, Cymric Resources: “Relationships Between Devonian Shelf Carbonates and Basin Fill, Alberta Rocky Mountains” (attendance 999)

March 27, 1985: Jan Veisser, University of Ottawa: “Basement and Sedimentary Recycling: Time Dimension to Global Tectonics” (attendance 783)

April 10, 1985: David L. Jones, USGS Menlo Park: “Accretionary Growth of Western North America: Examples from Alaska” (attendance 823)

April 29, 1985: Nigel Watts, Texaco: “Sedimentology and Diagenesis of the Silurian Reefs of Gotland, Sweden” (attendance 839)

May 14, 1985: Steven A. Austin, Keymar Resources (San Diego): “Modern Catastrophic Processes at Mt. St. Helens and their Implications for the Stratigraphic Record” (attendance 983)

May 22, 1985: Stuart Birnbaum, University of Texas: “Microbial Geochemistry: A ‘New’ Approach Towards Diagenesis and Porosity Development” (attendance 788)

June 12, 1985: Shaun O’Connell, Alberta Geological Survey: “The Sedimentology of the Mid-Mannville Sub-Group in the South Lloydminster Heavy Oil Trend of Alberta” (attendance 945)

June 26, 1985: Dale Leckie, Petro-Canada: “The Gates Formation (Falher Member), Northeastern British Columbia; A Wave-Dominated Strandplain System: Outcrop and Subsurface” (attendance 940)

September 4, 1985: David C. Crane, D. C. Crane Inc. (Dallas): “A Perspective on Computers in Petroleum Exploration” (attendance 827)


October 7, 1985: Charles E. Bartberger, Amoco (Denver): “Facies Control of Mississippian Porosity, Whitney Canyon-Carter Creek Field, Wyoming Overthrust Belt” (attendance 883)

October 16, 1985: Ross McWhae, Petro-Canada: “Tectonic History of the North Pacific, Arctic Canada and Spitzbergen since Early Cretaceous Time” (attendance 835)

November 6, 1985: S. Duff Kerr, Consultant (Denver): “Mid-Continent Rift System: A Frontier Hydrocarbon Province” (attendance 811)

November 19, 1985: Ashton F. Embry, ISP: “Mesozoic Stratigraphy of the Canadian Arctic Archipelago and Implications for the Opening of the Amerasian Basin” (attendance 845)

December 5, 1985: David P. Jones, Esso: “Sedimentology, Paleogeography and Reservoir Quality of the Mannville Group, South-Western Alberta: Implications for Exploration” (attendance 1000)

December 17, 1985: John P. Grotzinger, Lamont-Doherty Geological Observatory: “Construction and Paleoenvironmental Dynamics of a 1.9-Ga Cyclic Carbonate Shelf, Northwestern Canada, and the Genesis of Small-Scale Shallowing Upward Cycles in Carbonates of All Ages” (attendance 833)
CONTINUING EDUCATION COMMITTEE (Andrew Zolnai, Chairman; Clint Tippett, Jennifer Wells, Ted Bogle, Rory Hankel, Peter Harrington, Maggie Kasakende, Ruth Peach)

The scope of committee activities has increased substantially during 1985. Standards for course notes have been raised, and one set of notes (Dixon et al., December 9-10, 1985) is being reproduced for sale. Decisions to print extra copies for sale will be made for each set of notes on an ad hoc basis by the committee and the Senior Editor. A mailing list of companies is being established and contacts have been made with members of the National Liaison Committee to examine the possibility of offering courses in other parts of Canada. Courses are being planned further ahead and attempts are being made to schedule courses for two years into the future. A calendar of future course listings is being published regularly in the Reservoir.

The following courses were run during 1985:

February 12-15: “Petroleum Risk Analysis” — P. Newendorf, Consultant, Denver, Colorado (attendance 150)

September 15-17: “Principles of Carbonate Sedimentology” — R.S. Harrison, Alberta Research Council, Edmonton, Alberta (attendance 90)


Four courses are scheduled for 1986 and four more for 1987.

NATIONAL CONFERENCE ON EARTH SCIENCE (Peter Gretener, Chairman; Jack Century, Dale Dolphin, Leslie Eliuk, Jill Kirker, Fred Krause, Margot McMechan, Frederic Monnier, Mike Morrison, Peter Putnam, Frank Stoakes, Fred Trollope)

The 1985 “Banff Conference” was held at the Banff Centre for Continuing Education, from October 28 to November 1, on the subject of “Evaporites and Hydrocarbons.” Doug Shearman (Imperial College), Robert Evans (Mobil Research), Lawrence Hardie (Johns Hopkins University) and Fred Schwerdtner (University of Toronto) were the main lecturers.

The low total of 41 registrants was disappointing, but the technical content of the presentations was excellent and the lecturers were very stimulating. A unique feature of the Conference is the residential atmosphere at the Banff Centre which promotes continuing discussion among the participants and lecturers at meals and over drinks in the evening. The “Banff Conference” continues to be the best buy in continuing education available. “If it ain’t broke, don’t fix it!”

The 1986 conference will be run from September 15 to 19, under the title “Geology and Reservoir Management,” with W.L. Fisher, R.M. Sneider and N.C. Wardlaw as the main lecturers.

Pat Larkin, of the Faculty of Continuing Education at the University of Alberta in Edmonton, our co-sponsor, has been involved with the Banff Conference for nearly 20 years. She handles the logistical and administrative aspects of running the conference, attends meetings of the Advisory Committee and spends the week of the conference at the Banff Centre to ensure that all runs smoothly. Because of Pat’s involvement, the Advisory Committee can concentrate on the scientific aspects of the conference. To recognize Pat’s contribution to the Society, President Gordon Williams presented her with an original oil painting at the Technical Luncheon on June 26, 1985. Thank you, Pat!

FIELD TRIPS (ONE-DAY) (Katrine Foulmer, Chairman; Kathy Box, Robin Dixon, Lucie Cascadeau, Thad Prevett, John Grassby)

Three successful one-day field trips were held during July, August and September, 1985. These were:

Upper Grinnell and Siyeh Formations in the Clarke Range of S.W. Alberta — led by Henry Koopman, on July 13.

The Kootenay Group, Highwood Pass, Kananaskis Country — led by David Gibson, on August 10.

Upper Devonian Cairn - Southesk Formations, White Man Gap, Canmore — led by Ian Hunter, Graeme Bley and Sidney Leggett, on September 15.

Field trip leaders were encouraged to improve the quality of the guidebooks produced for their trips to a level where they could be published by the Society for the benefit of members who did not go on the trip. As a result, 300 extra copies of the White Man Gap Guidebook were produced and have been selling steadily.

Plans for 1986 include four trips, including a return of the popular Upper Devonian trip to White Man Gap and a two day trip to examine the Judith River Formation in Dinosaur Provincial Park, to be led by Emlyn Koster.

STUDENT INDUSTRY FIELD TRIP (Marjorie Sutherland, Chairman; Belinda Hicks, Tony Foggasssen, Tony Hamblin, Pauline Hartwig, Gary Hicks, Virginia Costley, Jock Graham, Peter Audrtesch, Clint Tippett, Rand Harrison, Ray Rahman, Roy Smith)

The 1985 Student Industry Field Trip (SIFT) was held from April 28 to May 11 in Calgary and the southern Rocky Mountains. The 13-day program included the following activities: five days of field trips through the Western Canada Sedimentary Basin and the southern Rocky Mountains; an Exploration Seminar which allowed the students to apply exploration techniques in a competitive
atmosphere, searching for hydrocarbons in a carbonate depositional setting; several half-day presentations by various companies designed to give students exposure to different aspects of oil and gas exploration; and an overflight of the southern Rocky Mountains illustrating the principal geologic structures. Social aspects were not neglected, and well-informed sources report that the trip was an unqualified success in all departments.

The SIFT will once again be run for 13 days from May 4 to 16, 1986, with one student selected from each of the 32 universities across Canada that offer degree programs in geology. The format of the trip will remain essentially unchanged, but the four-day field trip through the mountains will be replaced by three shorter trips which will allow more time for detailed examination of outcrops. The destinations of these trips are still to be decided.

The committee extends thanks to all the individuals and companies involved in making the 1985 SIFT such a success. We look forward to continued support in 1986.

SEDIMENTOLOGY DISPLAY COMMITTEE (B.W. Barrie, Chairman; A.F. Bau, A.J. Baxter, J.R.J. Letson, J.K. Stromquist, C. Visser)

This committee, which was formed in 1984, is responsible for producing displays related to petroleum geology to help bridge the technology gap between industry and universities. The displays will be aimed at senior undergraduate students, and will circulate among geology/earth science departments in Canada, remaining at each university for a period of approximately two weeks.

The first display, entitled "The Cretaceous Oil Sands of Canada," is being built and will begin touring early in 1986. This concise information package on our oil sands resource covers topics ranging from general geology and bitumen-recovery techniques to detailed descriptions of each of the four main oil sands areas. It is expected to be on tour for about two years.

The committee is extremely grateful for financial contributions that have been received from many companies involved in oil sands development. For the benefit of contributors and CSPG members, the committee is planning an "open house" viewing of the display in early February.

VISITING LECTURE COMMITTEE (R.E. Deere, R. Barss, Co-Chairmen; M.H. Chambers)

During 1985, the Speakers Bureau with its Distinguished Lecture Tour and Link Awards Tour Subcommittees was reorganized into the Visiting Lecture Committee, with Ray Deere and Richard Barss as Co-Chairmen. The committee will be expanded by at least two members, one from the academic community in Calgary and one from eastern Canada, to increase the scope for selection of speakers.

In October, 1985, Jim Kirker toured with a lecture entitled "Casablanca: A Case History of the Exploration, Discovery and Development of Spain's Largest Oilfield."

The tour to four universities (Ottawa/Carleton, McGill, Dalhousie and Memorial) was sponsored by Canada Northwest Energy Ltd. In November, Dale Leckie presented a talk entitled "The Gates Formation (Fahler Member), Northeast British Columbia; A Wave-dominated Strandplain System: Outcrop and Subsurface" at Acadia, St. Francis Xavier, Dalhousie, Laval and Ottawa/Carleton Universities. His tour was sponsored by the Institute of Sedimentary and Petroleum Geology. Also in November, Brian Jones, the 1984 Link Award winner, gave his lecture entitled "Ancient and Modern Carbonate Environments, Grand Cayman Island" at the following universities: Manitoba, Brandon, Regina, Saskatchewan and British Columbia.

In the first quarter of 1986, Brian Jones and Dale Leckie will each make second tours to eastern Canada, and Jack Wendte will present a talk entitled "The Evolution of Oil-Bearing Devonian Reef Complexes of Western Canada." Fourteen universities will be visited in the three tours.

HONORARY ADDRESS (Duncan Robertson, Chairman; A.H. MacKay, G.P. Pastirk, B. Barrie, D. Lehto)

Preparation for the 1985 Honorary Address began in mid-December, 1984, and by early April, 1985, we had tentatively confirmed Robert D. Ballard, Woods Hole Oceanographic Institute, to speak on "Exploring the Mountains of the Sea." A concerted effort was made to concentrate more committee effort and funds than in the past on advertising the event. An excellent advertising poster/flyer was timely, press concerns Ballard's discovery of the 'Titanic' and the use of a donated two-man submersible for promotional purposes in South Centre Mall and the Petro-Canada Building combined to produce the largest crowd ever to attend a CSPG Honorary Address. On October 23, an audience of just under 2,000 persons filled the main floor of the Jubilee Auditorium to see spectacular slides and film footage of the 'Titanic' and Ballard's underwater world.

The effort placed on advertising this year, with no emphasis on Ballard's association with the 'Titanic', was well spent as evidenced by a survey conducted by committee members at the door of the auditorium on the night of the address. One hundred and fifty-nine persons responded to a brief questionnaire prior to the address. Approximately half were CSPG members, and more than half of those polled learned of the function through the advertising poster/flyer.

AD HOC SPECIAL EDUCATION ADVISORY COMMITTEE (P.A.T. Haines, Chairman; A.D. Baillie, D.E. Duff, L. Matwe, L.P. Purcell)

The Committee was established by the 1984 Executive. It was to develop, for the guidance of the CSPG Executive, a long-term strategy for Society educational services in the geological sciences. The Committee submitted a preliminary plan of action in February, 1985, and an interim report during the summer of 1985. A final report was submitted to the Executive Committee in January, 1986.
Education forms a component of most CSPG programs and activities; indeed it can be argued that education, in the broadest sense, is the primary function of the Society. It was not the intent of the committee to conduct a complete review of all Society activities, and the mandate was taken to exclude consideration of publications, conventions, technical programs, awards and social events. The committee elected not to judge the merits of any proposals for new programs. Rather, it was felt that the proper course of action would be to advise the Executive if such programs fell within the guidelines of the recommended long-term strategy.

The Committee’s report is a comprehensive document containing eighteen recommendations which, if implemented, should enhance the educational services the Society provides for its members and the profession.

ARCHIVES AND HISTORY (J.W. Porter, Chairman; W. McLellan)

In 1985, the Committee continued to research and document the history of the CSPG, and to ensure that CSPG material of historical value is maintained.

To this effect, the Committee searched the CSPG office for spare copies of publications and other documents, to be donated to the Glenbow-Alberta Institute, which is the repository for all CSPG records, publications, photographs and memorabilia. The Committee is attempting to secure one copy of each of all CSPG publications for the library of the Glenbow-Alberta Institute.

The Committee also researched correspondence on the first meeting, in 1927, of the then Alberta (now Canadian) Society of Petroleum Geologists. This led to the preparation of a plaque honouring the twelve members present at the founding meeting. The plaque is on display in the CSPG office.

The Committee is also concerned with the history of the petroleum industry at large. In this capacity, the Committee participated in the formation of the Centre for Petroleum Industry History Society. (Bill McLellan is serving as the Society’s first President.)

In addition, the Chairman represented the CSPG on the editorial committee of “Traces Through Time: The History of Geophysical Exploration for Petroleum in Canada” published by the Canadian Society of Exploration Geophysicists. His input included providing a chronology of exploration events and editing the author’s (D.A. Finch) manuscript.

Finally, the Committee would like to report that the Petroleum Industry Oral History Project was completed in 1985. Under this project, some 300 petroleum pioneers were interviewed. The resulting tapes are now archived at the Glenbow-Alberta Institute.

In 1986, the Committee plans to begin documenting all available photographs relevant to oil and gas exploration in Canada that pre-date the 1947 discovery of oil at Leduc. The principal source of photographs will be the Glenbow-Alberta Institute.

STRATIGRAPHIC NOMENCLATURE (E.H. Schultz, Chairman; Roland de Caen, Don Kent, Tim Marchant, Alan McGugan, Ed Niewinski, Ross McWhae, Uli Wissner, Ed Wright)

The committee had a relatively quiet year. Two papers were screened for the Bulletin, one being returned to the authors for important revisions.

Roland de Caen completed his term as a representative of the CSPG and Commissioner of the North American Commission on Stratigraphic Nomenclature. Tim Marchant continues as the senior Society representative on the Commission.

TECHNICAL DIVISIONS

COAL DIVISION (F. Michael Dawson, Chairman; Keith McCandlish, Brenda Wright, Directors)

The Coal Division had another successful year in 1985, organizing six noon-hour talks on topics ranging from stratigraphy to fueling enhanced hydrocarbon recovery projects. Speakers and their topics were as follows:

January 16: Dennis Nikols, “Geology of the Highvale Mine”

February 26: F.M. Dawson, “Coal Exploration and Development Potential in the Southern Rocky Mountains”

April 17: T. Jerzykiewicz and A. Sweet, “Stratigraphy of the Saunders Group”

May 15: S. Austin, “Floating Log Mats for Deposition of Coal in Appalachia”


November 19: J. Stone, “History of Longwall Mining”

An innovation for the Division this year was the organization of a two-day industry-student field trip, to examine the geology of the Ardley Coal Zone in central Alberta. On September 20, thirty-nine persons, including 12 students, mainly from the University of Calgary, examined the Ardley Zone in outcrop along the Red Deer River from Trochu to Ardley Bend near the Nevis gas plant. The following day the group toured the Highvale Mine of TransAlta Utilities at Lake Wabamun, west of Edmonton. The trip was organized and guided by Keith McCandlish, Mike Dawson, Tim Godfrey, Dennis Nikols, Brian Lyons, and Mark Fenton. An excellent guidebook was produced and is now available for sale at the CSPG office.

Plans for 1986 include monthly technical talks, a joint luncheon with CIM District 5 and a 3-day field trip in September, to examine the geology and development of the Coalspur beds in west-central Alberta.
GEOCHEMISTRY DIVISION (Lloyd R. Snowden, Chairman)

The Geochemistry Division meets on an irregular basis when speakers become available. No activities were held in 1985, but we are hoping for a much more active 1986.

GEOMATHEMATICS AND COMPUTER APPLICATIONS DIVISION (Hassan Sherazi, Chairman; Thomas Feuchtwanger, Vice-Chairman; Michael Marchand, Program Director; Bim Waters, Secretary-Treasurer)

During the 1985 calendar year, lunch-time technical meetings were the main activity of the Division. The following talks were presented:

January 16: Roussos Dimitrakopoulos (University of Alberta), “Conditional Simulation and Kriging as an Aid to Oil Sands Modelling”


February 13: James Justice (University of Calgary), “Interactive Workstations for Processing and Interpretation of Seismic Data”

March 6: David Swan (Gulf Canada), “Interactive Exploration Systems”


J.E. Klovan (Husky Oil), “Husky Oil’s Heavy Oil Data Base and Examples of Applications”

October 15: P. Vander Valk (Home Oil), “Home Oil’s Reservoir Data Analysis System as Applied to Geological Studies”

December 12: T.D. Feuchtwanger (Gulf Canada), “The Use of NOAA, LANDSAT, and Airborne Radar Data in Augmenting a Surface Ice Exploratory Seismic Program”

The CSPG in Calgary will be sponsoring the 16th annual Geochautauqua, in October, 1986. This meeting has an international flavour as it is co-sponsored by the International Association for Mathematical Geology. The topic of the meeting will be “Computers in the Petroleum Industry: Integrated Approaches.”

INTERNATIONAL DIVISION (F.G. (Rick) Young, Chairman; Mike Cecile, International Liaison Committee Representative)

The International Division was established in 1984 to provide a forum for discussion among geologists interested in international exploration. Talks were presented monthly, either by international explorationists visiting Calgary or by local geologists working in various basins around the world. The following talks were presented in 1985 to average attendances of 60:

January 17: Bill Clack (Petril): “Jamaica Field Geology”


March 14: Herb Teitz (Phibro Resources): “Regional Geology and Hydrocarbon Potential of East African Basins, including Madagascar and Seychelles”

April 18: Jack Browning (Consultant): “Geology Overview and Petroleum Potential of the Llanos Basin, Colombia”


June 13: Griff Lloyd (Consultant): “Geology of the Khorat Plateau, Thailand”

October 17: Ken Campbell (Solar Energy): “Petroleum Exploration in Queensland, Australia”

November 21: Jim Kirker (Canada Northwest Land): “The Casablanca Field – A Case History and Development of Spain’s Largest Oil Field”


PALEONTOLOGY DIVISION (Tim Marchant, Chairman; Alan Higgins, Secretary; Bert van Helden, Councillor)

The high point in Canadian Paleontology during 1985 was the opening of the Tyrrell Museum of Palaeontology at Drummeller, Alberta. The Division Chairman represented the Society at the official opening by Premier Lougheed on September 25, 1985; and on November 9, Philip Currie (Tyrrell Museum) led a group of members around this magnificent new museum.
Lunch-time meetings are the main focus of the Division. Eight meetings were held in 1985, and we thank Chevron Canada Resources and Petro-Canada for providing meeting-room facilities.

The speakers and talks were as follows:


March 20: G.P. Smith (Chevron), "Stratigraphy and Paleontology of the Lower Devonian Carbonate Sequence, Southwest Ellesmere Island, Arctic Canada"

April 12: G. Klapper (University of Iowa), "Upper Devonian (Frasnian) Conodont Biostratigraphy in the Montagne Noire, France"

April 18: D. Wall (Robertson Research), "Modern Californian Current Dinocysts and El Nino: Implications for Paleoecology"

May 16: J.E. Mathison (Suncor), "Devonian Ostracode Biostratigraphy of the Northern Williston Basin, Saskatchewan and Manitoba"

June 4: F. Gradstein and F. Agterberg (GSC), "Isochron Correlation and Burial History: Its Application to the East Newfoundland Basin, the Labrador Shelf and the North Sea"

October 21: B.G. van Helden (Chevron), "Fluorescence Microscopy: Application in Palynology"

November 21: Paul Sartenaer (Royal Institute of Natural Sciences, Belgium), "Brachiopods and Biostratigraphy: Understanding the Patterns of Evolution"

The Annual Dinner and Business Meeting of the Division was held on December 10, 1985.

In 1986 we will continue our program of lunch-time talks and informal field trips, and our members will be busy planning the paleontological contributions to the CSPG 2nd International Symposium on the Devonian System in 1987.

PETROLOGY DIVISION (John Kaldi, Chairman; Dennis Meloche, Secretary-Treasurer; Fons Dekker)

The Petrology Division promotes the exchange of ideas and information on petrology and petrographic techniques. Meetings are informal and usually involve considerable discussion as a result of the "beer and chips" format. The following is a list of speakers and topics of 1985:


February 12: Dennis Meloche (Petro-Canada), "Diagenesis of Chert"

March 27: Jan Veisser (University of Ottawa), "Chemical Diagenesis of Carbonate and Related Stories"

April 9: François Theriault (Shell Canada), "Lithofacies, Diagenesis and Related Reservoir Properties of the Upper Devonian Grosbeak Formation, Northern Alberta"

September 17: K.C. Lohmann (University of Michigan), "Some Applications of Carbon and Oxygen Isotopic Composition Research Techniques in Carbonate Studies"

New faces on the Division Executive in 1986 should allow us to resume monthly meetings with speakers who are at the cutting edge of developments in petrology.

SEDIMENTOLOGY DIVISION (Nick Meijer-Drees, Chairman; Dale Leckie, Programs; Albert Wegelin, Secretary)

The Division experienced a major setback when Les Eluk left as chairman. After a long search, Dale Leckie agreed to act temporarily as the new program coordinator, but because of time lost, we were not able to offer as many noon-time lectures as last year.

The five lectures and the display in the Aquateine Tower auditorium were well attended by petroleum geologists and were of good quality. We are thankful that the following speakers offered their time and effort to present the noon-time lectures:

February 6: A.F. Embry (ISPG), "Triassic Eustatic Sea-Level Changes on the North American Continent"

May 1: D. Keith (Gulf Canada Resources), "Sandstone and Conglomerate Geometry and Sedimentology of the Cardium Formation, Willesden Green, Alberta"


February 23: N. Hurley (University of Michigan), "Neptunian Dykes — Synsedimentary Fractures — in Devonian Reefs, Canning Basin, West Australia"

October 23: A. Spouza (PacCanadian Petroleum), "Sedimentology and Diagenesis of the Pekisko Formation (Missippian) in the Canyon Creek Area, Southern Alberta; Subsurface and Surface"


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STRUCTURAL GEOLOGY DIVISION (Michael Morrison, Chairman)

The Structural Geology Division held monthly meetings in the spring and fall of 1985. The nine excellent presentations provided a basis for regular discussion of structural problems. Speakers and their topics are listed below:

January 14: Andy Okulitch (ISPQ), "Structural Geology of Southeast Ellesmere Island and its Implications to the Solution of the Nares Strait Problem"

February 11: Mike McDonough (University of Calgary), "Basement Involved Structures near Bull Dog Creek, East-Central British Columbia"

March 4: Pete Gordy (Shell), "Historical Overview of Foothills Exploration"

April 15: Roland Duchesne (University of Calgary), "Structural and Metamorphic History of the Southern Cariboo Mountains, East-Central British Columbia"

May 13: Brian Fischer (University of Calgary), "Tertiary Structural Geology of the Area Surrounding Bunde and Bukken Fjords, Axel Heiberg Island"

June 8: Mary K. Dwyer (University of Calgary), Field trip to look at the hanging wall structures of the Livingstone Thrust Fault near Savanna Creek Gas Field

October 7: Ron Webster (Canadian Superior), "The Structural and Stratigraphic Setting of the Beaufort-Mackenzie Tertiary Basin"

November 4: Ross McWhae (Petro-Canada), "Tectonic History of the North Pacific, Arctic Canada and Spitzbergen Regions since Early Cretaceous Time"

December 9: Jim Sevigny (University of Calgary), "Structural Setting and Tectonics of the Yellow Aster Complex, North Cascades"

For 1986, a full slate of presentations is planned for January through May and from September through December. A field trip is planned for June or July. To date, the following presentations have been confirmed:

January 6: Ian Moffatt (Gulf Canada), "Tectonic History of the North Bowser Basin and the Role of Fluids in Deformation and Diagenesis"

February 10: Don Cook (ISPQ), "Balancing Basement-Cored Folds of the Wyoming Province Type — A Unique Solution"

March 10: Mary K. Dwyer (University of Calgary), "Hanging Wall Structures of the Livingstone Thrust Fault near Savanna Creek Gas Field"

AWARDS

HONORARY MEMBERSHIP (François Gauthier, Chairman; Chris Havard, Peter Putnam)

Two nominees were approved for Honorary Membership in the Society in 1985. They are Robert N. Ginsburg and R. Perry Glaister.

Robert Ginsburg is one of the world’s leading authorities on recent carbonate sedimentology and ancient carbonate (reef) reservoirs. His career spans 35 years in industry and academia. He is currently Professor in the School of Marine and Atmospheric Science, University of Miami. He has published 35 major papers and books, not including published abstracts, guidebooks, and technical reports, and has received honours from both U.S. and foreign institutions. Through his research, teaching, lecturing and work with his graduate students, he has contributed extensively to our understanding of modern carbonate sediments and both ancient and modern reefs. His work has a strongly applied flavour reflecting his ten years in the petroleum industry.

Perry Glaister has served the Society and our profession well for the past thirty years. He is the author or co-author of fourteen papers and served as Co-Editor of "Geological History of Western Canada," the atlas of the Western Canada Sedimentary Basin, published by our Society in 1964. His contribution to this landmark publication was truly massive, occupying more than three years of continuous devotion. He is a winner of the CSPG Medal of Merit, and has contributed to the Society by serving on many major committees.

R.J.W. DOUGLAS MEDAL (Glynn N. Wright, Chairman; Hu Gabrielse, Hank Williams)

The R.J.W. Douglas Medal is awarded annually for outstanding contributions to the understanding of sedimentary geology in Canada, especially in the fields of regional tectonics, petroleum geology and structural geology. The committee reviewed three nominations for the medal, and recommended Eric W. Mountjoy as the 1985 recipient of the Douglas Medal.

Eric Mountjoy has made major contributions to the knowledge of the stratigraphy, structure and sedimentology of Western Canada. His work has cast new light on the growth and subsequent diagenetic changes in Devonian reefs of Alberta, exposed in the Rockies and in reservoirs beneath the Plains. He has formulated new interpretations of the structure of the Front and Main Ranges of the Rockies, and personally mapped large areas of these ranges from Jasper to the United States border. His studies of late Proterozoic and early Paleozoic sediments of the Main Ranges has led to new understanding of both the history

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and structure of this difficult area. When his contributions to Canadian geology are assessed, his work with 35 graduate students during his 23 years at McGill University must not be forgotten. Many of these students have gone on to make outstanding contributions of their own, and most are working or have worked for the Canadian petroleum industry. Eric has given numerous presentations at CSPG meetings, and led many field trips to the Devonian of the Rockies. He is a long-time member of the National Liaison Committee of the Society and is a past Vice-President of SEPM.

MEDAL OF MERIT (George Macauley, Chairman; Jim Dietrich, Adam Hedinger, John Hopkins, Dave Milner, Pak Wong)

Following the basic procedures of past Medal of Merit Committees, more than fifty journals and special publications were searched for eligible papers to obtain a short list of seven papers, which were then reviewed in great detail.

The winning paper was: "Regional Pattern of Thermal Maturation as Determined from Coal-Rank Studies, Rocky Mountain Foothills and Front Ranges North of Grande Cache, Alberta — Implications for Petroleum Exploration" by W. Kalkreuth and M.E. McMechan, published in the Bulletin of Canadian Petroleum Geology, v. 32, no. 3, p. 243-271. This paper presents and substantiates the concept that, in contrast to the thermal maturation pattern of the southern Rockies and Foothills, the degree of thermal maturation in the area north of Grande Cache, Alberta, decreases progressively from the core of the Alberta Syncline to the western edge of the Foothills. Potential reservoir rocks, contained in shallow-depth structural traps, may provide petroleum prospects in an area where previously only gas had been anticipated.

The committee also specially commended the paper "Geothermal Gradients, Hydrodynamics, and Hydrocarbon Occurrences, Alberta, Canada" by Brian Hitchon, published in the Bulletin of the American Association of Petroleum Geologists, v. 68, no. 6, p. 713-743. This paper links the present hydrodynamic regime and geothermal gradient patterns to reconstruct the geothermal history of Alberta over the past 60 million years. These are then utilized to theorize a hydrocarbon generation history for this area.

After discussion within the Committee, with members of previous Committees, and with some Society members, the Chairman made four specific recommendations for change to the Terms of Reference for the Committee. These changes, designed in part to broaden the "Canadian" aspect of the Society, and approved by the Executive, will be the basis for a philosophical change commencing with the 1986 Committee.

1. In future, only Canadian publications (including Federal/Provincial Survey publications and those of all Canadian geological societies) will be reviewed routinely. (Government publications were previously excluded from eligibility for the award.)

2. Member nominations will be accepted for papers published outside Canada.

3. Geophysical papers will be excluded from routine review.

4. Preferably, the Chairman will be a previous Committee member rather than the award winner, although award winners will be encouraged to become Committee members.

LINK AWARD (Ted Watchuk, Chairman; Geoff Burrowes, Jons Dudley, Fred Gallagher, Brenda Geddes, Ian Halladay, Jeff Reid, Greg Jones, M.M. Faught, Barb Scott, Dave Taylor, Alan Slater, Nigel Watts, Pat Merris, Gerald Wendland)

Eleven luncheon talks which qualified were judged for the 1985 Link Award, stressing the quality of the presentation as well as the technical content. Returns averaged 11 per talk; the committee members are to be commended for their conscientious work.

David P. James was selected as the 1985 Link Award winner for his December 5 talk entitled "Sedimentology, Paleogeography and Reservoir Quality of the Mannville Group, Southwestern Alberta: Implications for Exploration."

The 1984 winner, Brian Jones, took the customary Link Award tour, delivering his talk, "Ancient and Modern Carbonate Environments, Grand Cayman Island," at the following universities in November, 1985: Manitoba, Brandon, Regina, Saskatchewan, and British Columbia. In March of 1986, Brian will make a second tour to eastern Canada, speaking at Ottawa/Carleton, Queen's, Western Ontario, New Brunswick, and Memorial.

PRESIDENT'S AWARD — (Gordon Williams, Chairman)

Since 1978, the Executive has conferred between one and three awards each year to individuals or organizations for outstanding contributions to the Society. This award, which in the past was designated the Special Service Award, was renamed the President's Award this year, to better reflect its position as the highest service award of the Society. This year, two members were designated recipients of the President's Award:

Maurice A. Carrigy, CSPG General Chairman of the joint 1985 CSPG/Petroleum Society of CIM Annual Convention in Edmonton, for organizing a technically and financially successful convention.

Rory C. Hankel, Editor of the RESERVOIR for the past three years, for making the newsletter both topical and timely.

These persons have set standards which we would all do well to emulate: the Society's thanks and gratitude to them!

TRACKS AWARDS — (John B. Maher, Chairman; R.J. Knight, M. Wright)

This award is presented to CSPG members or friends of the Society who have made an outstanding contribution
through committee or other work — in short, "they have made tracks" that others can follow.

Recipients of 1985 Tracks Awards are as follows:

Bill Haskett — Retired Chairman of the Publications Sales Committee, for diligently promoting the sale of Society publications, and for arranging reciprocal sales agreements with the AAPG.

Chris Le Gallais — For his work as Technical Luncheon Ticket Sales Coordinator, and for improving the distribution of CSPG luncheon tickets to make the system more fair to all members.

Ian McIReat — For his work as Book Review Editor of the Bulletin and for his work as Chairman of the Office Committee.

Fred Pember — For the inauguration of an Annual Squash Tournament for CSPG members, and for running it for two years.

Gordon Stewart — For his work as CSPG Technical Chairman of the Society’s first convention outside Calgary.

SERVICE AWARDS — (John B. Maher, Chairman; R. John Knight, Marsha Wright)

During the past year, the Society introduced a Service Award which enables the Executive to thank members, on behalf of the Society, for volunteer work. The award consists of a scroll and a hand-made pottery beer mug.

The following persons were given Service Awards in 1985:

Steve Aberg — Chairman of the 25th Annual CSPG Golf Tournament.

Sherry Carroll — General Secretary, CSPG/CIM Annual Convention in Edmonton, 1985.


Jill Kirker — Chairman of the Stanley E. Slipper Undergraduate Student Awards Committee, 1983-1985.


Ross McWhae — CSPG representative on the North American Commission on Stratigraphic Nomenclature, 1977-1980; and member of the CSPG Stratigraphic Nomenclature Committee since 1978.

Vittorio Panei — Photographer of CSPG events since 1974.

Jack Porter — Chairman of the Archives and History Committee since 1977.


Duncan Robertson — Chairman of the Honorary Address Committee, 1985.

Kathy Scales — Slide projectionist for Technical Luncheons since 1983.

Marjorie Sutherland — Chairman of the Student Industry Field Trip, 1985.


Uli Wissner — CSPG representative on the North American Commission on Stratigraphic Nomenclature, 1975-1980; and member of the CSPG Stratigraphic Nomenclature Committee since 1978.


REGIONAL GRADUATE SCHOLARSHIPS (R.O. Potter, Chairman; K.M. Fiess)

The CSPG awards three scholarships annually to promote graduate study and research in fields of geology having application to the petroleum industry: one scholarship in each of the three regions of Canada (Atlantic Provinces, Ontario and Quebec, Western Canada). Each scholarship has a value of $1,000.

The winners for 1985 are:

Atlantic Provinces — Jack W. Botsford (Memorial University)

Ontario/Quebec — Donald C. Kaylor (McGill University)

Western Canada — Kaushik Rakshit (University of Alberta)

MARINE GEOSCIENCE GRADUATE SCHOLARSHIP (L. Ibach, Chairman; R. Johnson, D. Ibach)

The CSPG awards one scholarship annually to promote advanced education and research in the field of marine geoscience. The scholarship, which was first awarded in 1984, has a value of $1,000. It was established by the Society to recognize the potential of marine geoscience as an important and distinct field in petroleum exploration and exploitation. Preference is given to research topics in the areas of coastal and shelf sedimentation, marine geotechnology, marine geochemistry, and offshore basin tectonics and sedimentology.

The scholarship winner for 1985 is Alexander (Sandy) Denton from the University of British Columbia.

GRADUATE STUDENT THESIS AWARDS (Stephen Greer, Chairman; Murray Coppel, Nigel Watts, Paul Gunther, Gordon Tebbutt, Les Eliuk, Wayne Brideaux, Tim Marchant, Tony Hamblin, Ivor Bond, Jeff Reid)

This committee annually evaluates submitted M.Sc. and Ph.D. theses and determines who has made the most
significant contribution to Canadian sedimentary geology in each degree category.

For 1985, nine Ph.D. and twenty-one M.Sc. theses were submitted, compared with a total of seven theses in 1984.

The winner of the Ph.D. Thesis Award was D. James, for his thesis "Stratigraphy, Sedimentology and Diagenesis of Upper Jurassic and Lower Cretaceous (Mannville) Strata, Southwest Alberta." M. Coniglio received an honourable mention for his thesis "Origin and Diagenesis of Fine-Grained Slope Sediments: Cow Head Group (Cambro-Ordovician), Western Newfoundland."

The winner of the M.Sc. Thesis Award was D. Fillion, for his thesis "Selected Studies in Cambro-Ordovician Ichnology."

The committee operates between September and December each year. Participation provides the members with an opportunity to keep up to date with current university research, which is often applicable to their own exploration activities. New members are always welcome; anyone interested should contact the chairman for further information.

JOHN B. WEBB MEMORIAL TROPHY AND CSPG TROPHY (Keith Bottrell, Chairman)

The John B. Webb Memorial trophy is awarded annually for the best student paper presented at the Western Inter-University Geological Conference. The 1985 WUUGC was hosted by Lakehead University, in January. The best paper was judged to be "Run-off Processes on Precambrian Shield Basins" by Jeffrey McDonnell of Trent University.

The CSPG trophy is awarded annually for the best student paper presented at the Atlantic Inter-University Geological Conference. The 1985 AUGC was hosted by Acadia University, in November. The best paper was judged to be "Late Cenozoic Seismic Stratigraphy of the Upper Laurentian Fan and Adjacent East Scotian Slope," by Vince Clifford of St. Mary’s University.

Each winner receives $100 in CSPG publications and a miniature trophy, and has his or her name engraved on the large trophy that resides for one year at the university hosting the conference.

STANLEY E. SLIPPER UNDERGRADUATE STUDENT AWARD (Valerie Edwards, Chairman)

The undergraduate student award, known as the Stanley E. Slipper Award, is intended to encourage excellence in petroleum geology or closely related fields. The award is presented to one undergraduate student in each Canadian university who, in the opinions of his or her professors, has demonstrated outstanding competence in petroleum geology, or in a related field such as stratigraphy, sedimentology, paleontology or structural geology. The students receive a framed, engraved certificate and a one-year student membership in the Society.

The 1984 Stanley E. Slipper Awards went to the following students:

Acadia: Peter Brown
Alberta: Douglas L. Bradish
Brandon: Larry Strong
Brock: David J. Atkinson
Calgary: Kenneth Richards
Carleton: James Gebert
Concordia: Paolo Cruciat
Dalhousie: Karen Ann Connors
Guelph: Ronda Fisher
Manitoba: Robert Martin
McGill: James Mott
McMaster: James Magwood
Memorial: David C. Holloway
Montreal: Remi Charbonneau
Mt. Allison: Jeannette Macey
U.N.B.: Fredericton: Bruce R. Rosvall
U.N.B.: St. John: Leisa Dawn McCavour
Ottawa: Ian Campbell
Quebec à Chicoutimi: Lucie Tremblay
Queen’s: Adrian Ruiter
Regina: Sherry Richardson
Saskatchewan: Hugh Beckie
St. Francis Xavier: Michael X. Gillis
St. Mary’s: Diane Webber
Toronto: Stephen Pacitti
Waterloo: Sheila McKean
Western: A. Clifford Lawton
Windsor: Kevin P. Gillen

In previous years, awards have been made on a calendar year basis, a procedure for which has had selection by the universities difficult as the calendar year ends half way through the academic year and grades are not usually available. Starting with 1985, selection will be on an academic year basis; the next awards will be made in April or May, 1986, for the 1985/86 academic year.

YOUTH SCIENCE FOUNDATION (K. Scales, Chairman)

The Society has a three-year commitment to the National Youth Science Foundation (1984 to 1986 inclusive) to provide an annual $300 cash prize for the Gold Medal at the Intermediate Level in Physical Sciences. An additional annual $200 cash prize is given for a deserving display on an energy-related topic. Both prizes were awarded at the 1985 National Youth Science Fair.

The Society has also provided $250 to the Calgary Youth Science Fair to help defray operating expenses; and the committee has actively solicited members to act as judges at the Calgary Fair.

In 1986, the demand for volunteers to help with these worthwhile endeavours will be greater than ever as the National Youth Science Fair will also be held in Calgary. Persons interested in helping should contact the Chairman or the Society office.
LIAISON COMMITTEES

NATIONAL LIAISON COMMITTEE (Graham Williams, Dartmouth, Chairman; Eric Mountjoy, Montreal, Vice-Chairman; Pierre-Andre Bourque, Quebec City; Bill Brisbin, Winnipeg; Glen Caldwell, Saskatoon; Don Currie, Edmonton; John Gale, St. John's; Don Kent, Regina; Gene Leavitt, Toronto; Alf Lenz, London; Roger Macqueen, Calgary; Monica Meding, Vancouver; Jim Noble, Fredericton; Ray Yole, Ottawa. The President, Vice-President and Senior Editor of the Society are ex officio members.)

The National Liaison Committee evolved from the CSPG's desire to expand its national presence. During its five-year history the Committee has grown, both in membership and activity. The fourteen area representatives provide input from nine provinces and include members from industry, government, and academia.

In its formative period, the NLC met only once a year. The one-day session failed to provide the necessary continuity; however, so the present format of semi-annual meetings was adopted. In 1985, the Committee met in Fredericton in May, and in Calgary in December. The fall meeting (qualifying for this distinction by seven days) featured presentations, by the chairmen of three CSPG committees, and discussions of an amicable nature with the Executive.

What came out of the two meetings, other than several exhausted members? An innovation at Fredericton was the presentation of reports by individual representatives. These oral reports provided an excellent overview of regional activities, and especially how these related to CSPG. The experiment was repeated at the December meeting.

Other highlights of the meetings include: progress reports on the geological highway maps, liaison with other societies, a report on the Student Industry Field Trip (SIFT), the visiting speakers' program, student conferences, the student scholarship program, travelling teaching aids, curricula in petroleum geology, the Gulf Canada core display, and a student membership drive.

A common reaction to the above would be: "So what? Actions speak louder than words." This year the NLC has seen some of its recommendations implemented by the Executive. Examples are the establishment of a Merchandising Committee, the Society's decision to make the cross-sections of the Western Canada Sedimentary Basin available to universities at cost, and increased co-sponsoring of meetings with other societies such as the Atlantic Geoscience Society.

In addition, 1985 witnessed two major accomplishments in the geological highway-map project. The first was the New Brunswick map, produced under the direction of Laing Ferguson and Les Fyffe, which was published as AGS Special Publication No. 2. The second major accomplishment has been the progress with the Quebec maps. There will be a Shield map at a scale of 1:1,000,000 and an Appalachians and Lowlands map at a scale of 1:500,000. Compilation of the latter is now complete, with publication anticipated in 1986.

Recent suggestions advanced by the NLC include: the use of poster presentations from conventions as travelling displays; a two-week course for university staff, modelled on the "Banff Conference" courses on such subjects as well logging and maturation for undergraduate students; an annual undergraduate conference for the Ontario and Quebec universities; the production of field guides related to some of the geological highway maps; and a regional visiting speakers program with lecturers touring their own regions.

The new initiatives being pursued by members augur well for the continuing success of the National Liaison Committee. This is also assured by the enthusiasm of the Society's President and the unceasing support of the Executive. I feel confident that NLC will continue to merit this trust in the coming year.

There was one resignation from the NLC during the year. Andrew Miall completed his term and was replaced by Gene Leavitt. There was one other change, resulting from Roger Macqueen's return to Calgary. He will remain on the committee, however, and the new representative for southwest Ontario is now Alf Lenz. It is a pleasure to see Eric Mountjoy installed in the recently-created position of Vice-Chairman.

CANADIAN GEOSCIENCE COUNCIL (D.W. Organ, President; W.A. Bell, F.G. (Rick) Young, CSPG Representatives)

The objectives of the Canadian Geoscience Council are to provide a forum for earth science societies in Canada, to provide useful advice to governments on geoscience policy, and to work toward the continued health of geoscience in Canada. Representatives of the twelve member organizations met four times in 1985, in Toronto, Fredericton, Edmonton and Ottawa.

Three reports of Advisory Committees were submitted during 1985, and will be available from Council Headquarters when published:

- Report of the Advisory Committee to the Ontario Geological Survey
- Report of the Advisory Committee to the Earth Physics Branch (EMR)
- Report of the Advisory Committee to the Geological Survey of Canada, on Mineral Research

Four major studies are in progress:

- The Nature, Scope and Organization of Geoscience Research in the Canadian Petroleum Industry (completion and publication expected in 1986)
- Geoscience Research in Exploration for Mineral Deposits
— The Quaternary Geosciences in Canada (completion and publication expected in 1986)

— Geological Accreditation — a primary objective of the Council in this area is to ensure that students who undertake a geological education are aware of what courses of study can lead to their registration as professional geologists by the established administrations in their own provinces. John Maher (CSPG Past President) is chairman of the committee working on this subject.

During 1985, Canada became a full participant in the International Ocean Drilling Program, along with the United States, France, Japan, and West Germany. The program began in January, 1985. Leg 105 of the program was undertaken in Baffin Bay and the Labrador Sea, with the drillship ‘Joides Resolution’ visiting St. John’s, Newfoundland, in late October. A committee of Council has been established to provide scientific advice to the program: CSPG members on the committee include R.E. Wyman, T. Tankard and M. Keen.

GEOLOGICAL ASSOCIATION OF CANADA (Gordon Williams, CSPG Liaison)

Relationships with the GAC have continued to improve during the past year. The memberships of our two societies are different and for the most part complementary. Whereas CSPG members are mostly stratigraphers, sedimentologists, biostratigraphers and structural geologists in the petroleum industry, members of GAC tend to be academics, employees of federal or provincial surveys, and petrologists/economic geologists in the mineral industry. We serve different constituencies and each should benefit from cooperation and collaboration.

Perhaps the most notable achievement during the year was the completion of an agreement among three Executives (CSPG, GAC and Mineralogical Association of Canada) to hold a joint Annual Convention in St. John’s, Newfoundland, in 1988. Planning for this began more than a year ago. For the CSPG this is not without some hazard: our Society, like most other technical societies, derives much of its discretionary operating funds from profits generated by conventions. St. John’s is a long way from Calgary and we have no great expectation of a massive attendance by the 75 per cent or so of our members who live in the Calgary area. We think lower attendance and lower profits can be compensated for, perhaps by holding a major core conference in Calgary. Holding our Convention outside Calgary from time to time is another important step in making our Society truly Canadian.

Another, and perhaps more significant, development in 1985 was the election of Grant Mossop, Alberta Geological Survey, Edmonton, (who served briefly on the 1984 CSPG Executive) as Vice President (President-Elect) of the GAC. Grant becomes President in May, 1986, and this should open a “window of opportunity” for increased cooperation between the two largest geological societies in Canada.

CANADIAN SEDIMENTOLOGICAL RESEARCH GROUP (R.J. Knight, CSPG Liaison)

This liaison committee was instituted in 1985 as a spin-off from the CSPG-sponsored research symposium on Shelf Sands and Sandstones, which was held in 1984. Last spring, the Canadian Sedimentological Research Group became a formal division of the Geological Association of Canada. During the past year, the CSPG has made an effort to establish a liaison between our own Sedimentology Division and that of the GAC. It is hoped that these two sedimentology groups will be able to maintain close contact and perhaps undertake some joint activities. Through this means, Canadian sedimentologists may be kept better informed about activities across the country.

ATLANTIC GEO SCIENCE SOCIETY (Gordon Williams, CSPG Liaison)

The Atlantic Geoscience Society is an independent society which is affiliated with both the CSPG and the Geological Association of Canada. Through our Society’s affiliation with the AGS, several jointly-sponsored projects, including the following, have developed:


— The publication of a CSPG Memoir containing the significant papers presented at the Basins of Eastern Canada Symposium.

— The preparation of a series of video productions on Canadian geology. The CSPG has contributed $2,000 towards a detailed feasibility study of the project but has not yet committed itself to the complete project.

— The production of a university-level textbook on basin analysis using the western Canada sedimentary basin as a model. The textbook, an offshoot of the videos but completely separate, will be produced together with the Open University in Britain.

Each year the President of the CSPG is invited to participate in a symposium on geological research in Atlantic Canada, sponsored by AGS, and on alternate years to present the keynote address. In January, 1985, John Maher spoke to the symposium on the topic “Oil, Gas, and Popular Misconceptions.”

CSEG/CSPG/APEGGA LIAISON COMMITTEE (Bruce Fenwick (CSEG), Chairman; J.B. Maher, D.G. Cook, G.D. Williams (CSPG); D.A. Carswell, L.C. Fichtner, J.D. Boyd (CSEG); H.A.R. de Paiva, A.J.L. Fisher, Bob Shortreed (APEGGA))

This joint committee was established in response to recommendations contained in the report of the CSPG/CSEG Committee on Professionalism. in 1982. Terms of reference for the Liaison Committee, approved during the past year, state the goals of the committee as follows:
1. To ensure that the legitimate concerns of practising geologists and geophysicists regarding accreditation, registration, discipline and enforcement are understood and acted upon by APEGGA.

2. To encourage APEGGA to require that provincial and federal government agencies receiving geological and geophysical written submissions, reports and evaluations be signed and certified by appropriately registered professional geologists and geophysicists, especially where these documents relate to incentive grants and the expenditure of public funds.

3. To develop ways of ensuring that geologists and geophysicists become better informed about the relative roles, functions and values of technical societies and a professional licencing association.

The committee consists of three members appointed by each of the three associations, with at least one of each of the CSPG and CSEG members holding executive office in their respective societies.

John Maher is chairman of a Canadian Geoscience Council (CGC) committee to investigate professional registration of geologists in Canada and to establish accreditation standards for Canadian university programs. An accreditation work manual was prepared for CGC. The university earth science departments, however, have recently taken the position that they do not consider registration important. In December, 1985, the Council of Chairmen of Canadian Earth Science Departments (CCCESD) passed a motion which states, in summary, that the CCCESD does not recognize the necessity for registration of earth scientists in Canada, and that accreditation of university degree programs is not acceptable. Despite this major set-back, the CGC will continue its pursuit of uniform registration standards in all provinces to ensure transferability of registration from province to province. John Maher’s committee continues.

APEGGA has produced a first edition (April, 1983) of “The Practice of the Professions of Geology and Geophysics,” a book which deals with, among other things, the history of Alberta legislation respecting geology and geophysics, reasons for regulation, requirements and criteria for registration, and professional principles, practices and techniques for geologists and geophysicists.

APEGGA/CSPG/CSEG/CWLS — STUDENT AFFAIRS
(Harold Hornford, Mary Given, CSPG Liaison)

The committee, comprising representatives from APEGGA, CSPG, CSEG, and CWLS meets with members of the student geology and geophysics societies of the University of Calgary. The principal functions of the committee are to provide advice and guidance to the students on professionally-related matters, to assist them in organizing technical meetings and to provide Society members with information about on-campus technical and professional functions.

Four meetings were held at the University of Calgary campus during 1985.

PETROLEUM RESOURCES COMMUNICATION FOUNDATION (R.M. Creed, CSPG Liaison)

During 1985, the Petroleum Resources Communication Foundation (PRCF) celebrated its 10th anniversary of increasing the public’s awareness and level of knowledge of the petroleum industry in Canada. The CSPG continued to support the PRCF through its membership in the Foundation and through participation by individual CSPG members in the Speakers Bureau. The Foundation’s programs took on new meaning with the Federal Government’s desire for industry’s and public input to energy programs for Canada.

The PRCF achieved several objectives in 1985. An active membership drive increased membership to 107 organizations from the exploration, production, drilling, service and supply companies and technical societies within our industry. The distribution of “Our Petroleum Challenge” has exceeded 315,000 copies; and in October, 50,000 copies of “Our Petroleum Challenge, the New Era” were printed. Approximately one third of the participants in the 1985 Speakers Bureau program were CSPG members. The PRCF has undertaken employee training for its members; and during 1985, the training course “Fundamentals of Petroleum Technology — An Introduction to the Petroleum Industry” was offered on several occasions.

The PRCF has undertaken several new programs for 1986 in addition to the already-proven and successful methods of involving the Canadian public in our country’s energy decisions. “Our Petroleum Challenge, the New Era” will be distributed across Canada in 1986, and a French version will be published. The PRCF will prepare a Curriculum Guide for teachers to complement “Our Petroleum Challenge, the New Era.” During 1985, advertisements regarding industry employment were developed for national exposure in the coming year.

INTERNATIONAL LIAISON COMMITTEE (M.P. Cecile, Chairman; R.J. Kirker, F.G. Young, I.A. McIlreath, D.G. Cook, P.C.M. Wang, Canada; B.C. Dawes, Western Australia; Leong Khee Meng, Malaysia and S.E. Asia; E.K. Cullingham, Eastern U.S.A.; J.R. Kassube, New Mexico—Colorado; Joe Hull, Denver; L.K. Vopni, Dallas; Shu Yang, Taiwan; T.J. Tan, Houston; Jim Clough, Alaska; Javed Iqbal, Libya; V. Budrevics, England and Europe; J.L. Cosgrove, Eastern Australia)

In 1985 the main activity of the committee was communication and promotion of numerous scientific meetings in southeast Asia. P. C. Wang attended a workshop on joint exploration and development in southeast Asia, which was held in Bangkok, Thailand, in February. Shu Yang, our Taiwan representative, attended our Annual Convention in Edmonton in June.

The speaker exchange program initiated with the Rocky Mountain Association of Geologists (RMAG) was considered very successful by both societies, and the program will continue in 1986.
In 1985, C.E. Bartberger, who spoke on "Facies Control of Mississippian Porosity, Whitney Canyon-Carter Creek Field, Wyoming Overthrust Belt," and S. Duff Kerr whose topic was "Mid-Continent Rift System: A Frontier Hydrocarbon Province," both of RMAG, spoke at our Technical Luncheons. CSGP members Steve Halabura (Depositional Environments of the Upper Devonian Birdbeak Formation, Saskatchewan — Implications for Deep Oil Hunters) and John Hopkins and David Lawton (Geometry and Origin of Peloidal Grainstone Belts in the Caicos Cayes, Turks and Caicos Islands, West Indies) gave presentations at technical meetings of RMAG. John and Don are to be congratulated for winning a Best Paper Award from RMAG for their presentation.

A delegation of 19 geologists and 6 spouses visited China for three weeks in April and May, 1985, under the auspices of the People to People Citizen Ambassador Program. Howard Stafford led the delegation on behalf of the CSGP. Delegation members from various aspects of petroleum geology presented technical papers and held technical discussions with their Chinese colleagues at several scientific institutions and visited three oil fields along China's east coast. The major topics of discussion incorporated the specialized interests and expertise of the individual delegates. As well, a program of cultural activities was provided in each of the areas visited, the highlight of which included a visit to the Great Wall. In Beijing, presentations and discussions were held at the Scientific Research Institute of Petroleum Exploration and Development, where the delegation learned of China's new direction regarding offshore and onshore exploration and development. From Beijing the delegation visited the Dugang, Zhongyuan, and Yangzhou oilfields and obtained a firsthand look at China's onshore "oil-patch." In Nanjing further technical exchanges were conducted at the Nanjing University.

The Chinese, within the limits of their system, were flexible and resourceful, were unfailingly courteous, and made the delegation extremely welcome everywhere they went. The tour concluded in Hong Kong with two days of rest and relaxation.

In 1986, as in the past, the primary function of the committee will be communication concerning international technical activity. Members outside Canada will be polled for their ideas for promoting the international image of the Society. We will be sending an official delegate (tentatively Neil Hutton) to the Singapore meeting of the Circumpacific Council for Energy and Mineral Resources, to be held in August, 1986.


As an International Associate Society of the American Association of Petroleum Geologists, the CSGP is entitled to elect delegates to the AAPG House of Delegates, the member being determined by the number of CSGP members who are also members of the AAPG. At present, the CSGP is entitled to elect 15 delegates to the House.

The main purposes of the delegates are:
- To review membership applications to the AAPG.
- To represent a cross section of Canadian views to the AAPG Executive.
- To vote in the AAPG House of Delegates Meetings.
- To promote membership in the AAPG.
- To communicate and clarify issues affecting AAPG members in Canada.
- To act in a liaison capacity with the CSGP Executive.
- To recommend Canadian AAPG members for AAPG awards.
- To assist in judging papers at AAPG conventions.

Two luncheon meetings were held with the Calgary Delegates to increase activity and participation. Statistics on AAPG-CSGP joint members were prepared and a questionnaire was distributed to CSGP members at two Luncheon Meetings. The Chairman of the Delegates Committee attended an Executive Committee meeting to discuss the role of the AAPG Delegates and their relationship to the aims and objectives of the CSGP, and attempts were made to communicate AAPG matters to the CSGP membership through articles in the Reservoir.

The Delegates Committee plans to hold regular meetings in 1986 and to increase communication through Reservoir articles, announcements at Technical Luncheon meetings, and direct reporting to the CSGP Executive. We may be able to increase the size of the Canadian delegation, and we will definitely be pressing Canadian concerns at the meeting of the AAPG House of Delegates.

AAPG members who would like to become more involved in Association activities are invited to contact Bob Mummery at 269-4386.

AAPG ADVISORY COUNCIL (M.E. Hriskeych)

The Advisory Council is the most senior committee of the AAPG. It is charged with advising the AAPG Executive on a wide range of matters such as long-range planning (including recommendations on tariffs for AAPG schools and publication activities), ethics, discipline, and relationships with sections, affiliate societies and international associate societies. The Advisory Council appoints the Nominating Committee and the Awards Committee.

A CSGP member, James MacDonald, was honoured with the AAPG Distinguished Service Award at the 1985 AAPG Annual Convention in New Orleans, and the AAPG has agreed to look closely at nominations of CSGP candidates for election to the AAPG Executive. The CSGP Delegates to the AAPG House of Delegates have been asked to submit the names of candidates for nomination.

There is a strong tendency for the AAPG to be involved in various domestic political lobbying activities. It is important that the AAPG be reminded that such activities are
appropriate only on behalf of those members of the AAPG who are citizens of the U.S.A.

Although Hrišćevičh's term as a member of the Advisory Council expired in March 1985, he has been asked to continue on the AAPG Industry Liaison Committee for 1986.

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE (T.R. Marchant, Commissioner)


A Commission subcommittee spent 1985 examining proposals for a new system of hydrostratigraphic units to be included in a revised North American Stratigraphic Code. They recommended that the Commission proceed with this step; a note outlining these new proposals will be published in the AAPG Bulletin, for consideration by the profession.

A new subcommittee (J. Dennison, North Carolina; T. Marchant, Calgary; J. Teller, Winnipeg) was appointed to review a proposal to create a new category of lithostratigraphic unit — the submember. This committee welcomes comments from CSPG members on whether or not such a subdivision of members is needed; please send your remarks to Tim Marchant (Amoco Canada, 444 - 7th Avenue S.W., Calgary, Alberta T2P 0Y2).

The International Subcommittee on Stratigraphic Nomenclature is proceeding with a revision of the International Stratigraphic Guide, beginning with the section on biostratigraphic units. The revised Guide will include a glossary of stratigraphic terms as an appendix. The AAPG Stratigraphic Correlations Committee reports that the decline in the teaching of stratigraphic principles in U.S. universities has prompted the AAPG to develop a five-day course in stratigraphy for inclusion in its training school's program.

The new officers of NACSN for 1986 are Ashton Embry (GSC), Chairman, and Susan Longacre (Texaco), Vice-Chairman. Ed Wright (Amerada) has been appointed to the Commission for the 1986-88 term, replacing Roland de Caen (Husky).

CANADIAN NATIONAL COMMITTEE — WORLD PETROLEUM CONGRESSES (M.E. Hrišćevičh, CSPG Liaison)

Two meetings were held in Calgary by the Canadian National Committee, to plan for Canadian participation in the 12th World Petroleum Congress in Houston, Texas, April 26 to May 1, 1987. The CSPG representative served on the Canadian Scientific Programme Committee which recommended Canadians for participation in the scientific program of the Congress: Ray Price and Roy Lindseth. Both CSPG members, will be giving technical presentations at the 12th World Petroleum Congress.

During the year, the World Petroleum Congress Joint Task Force on Uniform Terminology for Petroleum and Petroleum Resources requested and received input from the CSPG regarding the preliminary report of the task force, which is expected to be in final form for the Houston Congress in 1987.

PUBLIC SERVICE

EDUCATION (Eleanor Halton, Chairman; Bob Lawrence, Cheryl Levitin-de-Leeuw, Sherman Hirowatari)

Requests for assistance received in the CSPG office from educational institutions are forwarded to the committee for action. During the year, the Committee provided career pamphlets to Grande Prairie Regional College, and provided guides and guidebooks, and arranged funding for field trips requested by the Calgary Public School Board Science team. The Committee was also able to arrange free admission to the Core Conference, for teachers involved in the new high school geology program. Speakers at career days and in-house training sessions for teachers have been provided to the extent possible.

The Committee has also been in contact with the Separate School Board Science Coordinator, who was interested but unable to use the Committee's help at the present time. Because getting volunteers for outside engagements is unlikely, no contact was made with school boards outside Calgary.

During the year a list of career pamphlets in geology and of the organizations publishing them was obtained from the National Liaison Committee. The Education Committee has been in touch with the Canadian Geoscience Council and has assisted in its programs by Pete Savage.

MANPOWER SURVEY (Bill May, Chairman; Tim Green, Kim Wallace, Vincent Fera, Chris Steudler, Kathy Fies, Ed Novickas, Paddy Chesterman, Barry Caplan, Brian McBrum)

The committee conducted its annual manpower survey in June, 1985, so that the impact of the "Western Accord" could be analyzed. The committee surveyed 454 companies and received returns from 177 (39%) employing 1894 geologists or approximately 50 per cent of the Society membership.

Employment prospects for 1986 look good. Both the medium and large companies have increased their demand for experienced geologists, and the large companies are hiring university graduates again after a two-year lull.

During the year, the committee initiated a statistical survey of the Society membership by age, year of graduation, degree, university and sex. The survey will permit forecasts of potential demand for new geologists, based on anticipated retirements of those currently in the profession.
It will also permit an assessment of the numbers of women in the profession.

Plans for 1986 include conducting the annual survey in February and publishing the results in the Reservoir by September, 1986, and publishing the results of the demographic survey in the Reservoir in the spring of 1986. The data bases of the various surveys will be placed on the computer so that they will be available to the Executive and other committees for planning.

GEOLOG (N.J. McMillan, Chairman)

Geolog is the newsletter of the Geological Association of Canada. It is published and distributed quarterly, and each edition contains 50 to 80 pages of information about earth sciences in Canada, with particular reference to the universities and government surveys.

A group subscription has been in operation since 1977. During 1985, two hundred and twenty-five CSPG members subscribed.

PUBLIC RELATIONS (D. Lehto, Chairman)

The Public Relations Committee was disbanded because most public relations activities involving the Society are carried out by individual committees on an event-specific basis; for example, the Honorary Address, the Annual Convention and the Student Industry Field Trip. Society functions are also publicized within the Society by individual groups, either in the Reservoir or through announcements at Technical Luncheons. After discussions with the Chairman, the Executive Committee felt that there was no need for a standing Public Relations Committee, and consequently disbanded it.

SOCIAL EVENTS

LOGAN DAY (Gerald Sullivan, Chairman; Rene Levesque, Doug Good, John Maher, Frank Chappell, Elspeth Snow)

The committee scheduled the 8th Annual Family Outing, to celebrate Canada’s National Geology Day, on September 28 and 29, in the Sandy McNabb Campground, west of Turner Valley. About 72 to 80 pages of information about earth sciences in Canada, with particular reference to the universities and government surveys.

About 15 people stayed the night. One of the highlights of this year’s festivities was the toast, by Jim Aitken of the ISPG, to the memory of James Tyrrell. Jim’s toast was appropriate as it coincided with the opening of the Tyrrell Museum in Drumheller this past summer.

Next year, Logan Day will again be scheduled for late September or early October. The schedule of events will be similar to that of previous years.

PAST-PRESIDENTS DINNER — (John B. Maher, Chairman)

The eleventh annual Past-Presidents Dinner was held on September 24, 1985, in the Penthouse of the Palliser Hotel. The evening was attended by eighteen Past-Presidents of the Society, including the oldest living member, Harry M. Hunter, who was President in 1939. Five of the current Executive attended.

A group subscription has been in operation since 1977. During 1985, two hundred and twenty-five CSPG members subscribed.

After cocktails and an enjoyable dinner, President Gordon Williams reviewed the long-range planning efforts which have been undertaken this year. Some discussion took place on the effort and financial commitment directed towards activities for members, versus activities for non-members and the general public. Following the after-dinner discussion, the President presented one of the new CSPG silk ties to each of the Past-Presidents as a special thanks for their continuing contributions and advice.

GOLF TOURNAMENT (Steve Aberg, Chairman; and others)

The 1985 Silver Anniversary CSPG Golf Tournament was a resounding success; many potential participants had to be turned away because of lack of space on the course. The committee thanks all those who participated and those who worked on organizing the event.

SQUASH TOURNAMENT (Fred Pember, Chairman; Bruce Schultz)

The squash tournament was inaugurated in 1984. The 1985 tournament generated tremendous enthusiasm and an overwhelming turnout at the Edgemont Racquet Club. Clearly, geologists do not live by their science alone. The committee is looking forward to another full house in 1986.

BUSINESS COMMITTEES

ANNUAL MEETING (Jeff Reid, Chairman; M.J. Leith)

The Annual Meeting was held at the Palliser Hotel, on February 21, 1985.

The outgoing Treasurer, Jim Minions, presented his report which showed funds on hand of $367,667 at the end of the fiscal year; and John Maher, as outgoing President, reported on Executive business carried out during the year.

After presentation of the Society’s annual awards, the incoming President, Gordon Williams, spoke briefly about general Executive aims for the coming year before introducing the guest speaker, Charles Maxwell, Senior Energy Analyst with Cyrus J. Lawrence Inc. of New York. Maxwell’s talk, entitled “Oil Pricing Outlook — Today and Tomorrow” provided interesting insights into the intricacies of world petroleum pricing and a sobering forecast of future world prices.

After the Annual Meeting, Mike Leith stepped down as Chairman of the Annual Meeting Committee, to be replaced by the present Chairman, Jeff Reid of BP Canada.
During the year, the format of the Annual Meeting was changed in an attempt to increase attendance and to make it a more popular event. The Meeting has been scheduled for Friday, instead of midweek. After dinner and presentation of reports and awards, the evening will be devoted to dancing to a live band.

MEMBERSHIP COMMITTEE (Linda Southwood, Chairman)

Membership in the Society continues to increase, passing the 4,000 mark in the fourth quarter of the fiscal year, a total of 4,077 members in all categories (plus 438 subscribers) as of November 30, 1985. This growth of nearly 4 per cent over 1984 is due at least in part to promotional efforts by members of the National Liaison Committee in the various regions of Canada. The establishment of a Member-non-member price differential for Society publications and functions and a Member priority for registration for field trips, courses, etc., is expected to produce a continued growth in membership as our non-member colleagues realize the benefits of membership in the Society.

Membership statistics are shown below for the past five years.

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Subscribers | 427 | 438 |

Plans for 1986 include a strong drive to increase Corporate Membership and membership in Canada outside the Calgary area. We wish to thank all members for their continuing support of the Society and for encouraging others to become members, and especially to thank Sheila and Christine in the Society office, whose backup work is vital to the Membership Committee.

NOMINATING COMMITTEE (John B. Maher, Chairman; Harold J. Klassen, Michael P. Cecile)

The Nominating Committee's slate of candidates presented for the December election of the Society officers includes: President — one candidate; Vice-President — one candidate; Secretary — two candidates; Treasurer — two candidates; Business Manager — two candidates; Directors — four candidates.

No candidates were nominated by the membership. The mail ballot totalled 1,081 ballots. The newly elected Executive consists of Donald G. Cook (President), Clayton H. Riddell (Vice-President), Glynn N. Wright (Secretary), W.R. "Bill" May (Treasurer), Barry P. Robbins (Business Manager), F.G. "Rick" Young (Director), and B.J. "Bev" Pieffer (Director). The new executive will take office at the Annual Meeting on February 21, 1986.

BY-LAWS COMMITTEE

During the year this standing committee was disbanded and the routine duties were assigned to the Secretary. In the future, it may be necessary to establish an ad hoc committee from time to time to coordinate changes to the By-Laws should the changes be extensive.

DISCIPLINE COMMITTEE (John B. Maher, Chairman)

The purpose of this committee is to consider matters relating to the ethical behaviour of members or officers of the Society and to recommend to the Executive disciplinary action. No matters were brought forward for review by this committee during 1985.

MANUAL OF OPERATIONS — (John B. Maher, Chairman)

During the past year, the executive held several special meetings in an effort to further update and streamline operating procedures for the Society. Many committees now have more specific and hopefully improved guidelines and terms of reference.

Where terms of reference have been revised, the operating committees' objectives and duties are more clearly defined, and the major executive contact is given for budget presentation and approval.

The data file for the Manual has been incorporated into the Society computer files.

CSPG BLUE BOOK (John B. Maher, Chairman)

An update to the Blue Book was completed in the fall. All members who were actively involved in any of the CSPG committees during 1984, up to and including the annual meeting in February 1985, have now been added. Thanks for this compilation are due to Karen Hogan. The Blue Book data file will be stored on the Society's computer and maintained by the office staff.

CSPG OFFICE COMMITTEE — (I.A. McIlreath, Chairman)

In 1985, considerable effort was made to project a strong CSPG image in the Society office. Three new wall plaques were added to the series of award displays. The new plaques are for President's Awards (Special Service Awards), the Marine Geoscience Graduate Scholarship, and the Regional Graduate Scholarships. John Maher initiated a new collection of photographs of Past-Presidents of the ASPG (i.e., pre-1973) to complement the display of CSPG Past-Presidents (i.e., since 1973) initiated last year. A copy of the "Phanerozoic Geology of Canada" poster was framed and hung behind the main counter. Through Jack Porter (Chairman, Archives and History Committee), a bronze founders plaque, with the founding members' signatures, was produced and now hangs in the office.

Construction this year was limited, beyond simple maintenance, to adding organizers to the secretaries' desks, constructing a row of shelves in the small storage room.
The 50th Anniversary Trust Fund was established in 1978 to provide a permanent source of revenue for the Student Industry Field Trip and other similar educational endeavours of the Society. A favourable ruling from Revenue Canada permits interest and capital appreciation to be added to the Fund capital for a ten-year period, allowing the Fund to grow at the greatest rate possible. After 1988, the interest from the Fund must be used for the purposes for which the Fund was established or it becomes taxable. The first disbursements could, therefore, be expected to take place in 1988.

On November 30, 1985, the Fund stood at $329,681, compared with $272,231 a year earlier. In the year, donations totalled $12,746; interest and dividend income was $23,285; and the capital appreciated by $25,058, for a net growth of 16.4 per cent excluding donations.

Various alternatives to Royal Trust as investment manager for the Fund were examined during the last two years, and an independent performance analysis was done by one of the Trustees with the help of an accounting clerk. As a result of these investigations, the Board unanimously passed a motion to move the management of the Trust Fund Account from Royal Trust to Dominion Securities Pitfield’s “DSP Investment Management” division. At year-end almost all securities and cash had been transferred from Royal Trust to Dominion Securities Pitfield.

SPECIAL FUND-RAISING COMMITTEE (Bob Creed, Chairman; Fred Calverley, Bob Fraleigh, Gerald Kivil, Peter Savage, Gordon Holland, George Heal, Collin Yeo)

This committee was established during the year, to raise money for the 50th Anniversary Trust Fund. The first project undertaken was a sale and an auction of new art pieces, with proceeds to come from commissioned art, from sales of small art objects, and from an auction of invited works. The theme chosen for the first of what will become an annual series of fund-raising events was “Exploring Art and the Earth.”

A two-day open house to acquaint artists with geology and the CSPG was held in June. Approximately 200 artists attended and were shown maps, cross sections, seismic sections, rocks, minerals, fossils, thin sections and hundreds of slides of geological activities. Artists were invited to submit concepts for commission, and 97 of these submissions were displayed at the Muttart Gallery as part of the Art Walk, in September, sponsored by the Calgary Arts Council and the Society.

Eight major commissions were received from companies, and an auction of invited submissions and a sale of almost 200 smaller objects will be held in April, 1986, at the Jubilee Auditorium. All proceeds will go to the 50th Anniversary Trust Fund, which was established to support educational activities of the Society such as the Student Industry Field Trip.

In May, planning will start on the Second Annual Art Event. For more information, or to volunteer assistance, call Bob Creed or Fred Calverley.

Along with a fold-down table, and adding glass sliding doors to a portion of the boardroom shelves which house the rare books in the CSPG library collection. After three years of use, and after considerable renovations to the office, the office rugs were cleaned.

The President’s Office came into full use for the first time; all the files of the last three presidents are now stored in the office, for ready access by either the Executive Committee or other committees. Towards the end of the year, the Office Committee tried to find another society to share the Society office space and office costs.

Since 1982, the Office Committee has overseen the construction and subsequent renovations necessary to create a functional office. Organized the actual move into the premises, gave a distinct CEP identity to the office, and most important, increased membership and committee use of the facilities. There is no longer any need to continue the Committee, and therefore a recommendation has been made to the current Executive for its termination. Any further problems related to the physical aspects of the office will be handled by the Office Manager and/or the Business Manager.

MANAGEMENT TASK FORCE (Gordon Williams, Chairman; Donald Cook, Ross Lennox, Belinda Hicks)

Several Executive Committees over the past decade or more have, from time to time, addressed the problem of trying to make the Society management more effective. The structure of the Executive Committee was established in 1968, when the membership of the Society was approximately 50 per cent of the present total and the scope of activities and services provided were in proportion.

Electing a new Executive (except for the President) each year, as the Society does, guarantees an annual infusion of “new blood” but is grossly inefficient; as new Executive members spend about half their term “learning the ropes.” The resulting waste of time is difficult to justify. Administrative continuity would derive from having on staff a permanent, full-time business manager or executive director. Previous Executives, however, have rejected this course of action because of cost, much of which would have to be passed on to the membership in the form of dues increases.

The problems of restructuring the Executive Committee and giving consideration to acquiring a full-time salaried business manager have been assigned to an ad hoc Management Task Force. Other issues such as the value of an elected national Board and advantages of incorporation have also been assigned to the Task Force. Deliberations will begin in March, with a report to the Executive by September, 1986. Member input is welcome. Please write or call the Task Force Chairman.

50TH ANNIVERSARY TRUST FUND (A.F. Jacobs, Chairman, Board of Trustees; A.E. Calverley, Trustee; A.N. Hutton, Trustee; I.A. McIlreath, Trustee; J. Maher, Trustee; W.A. Bell, Trustee; J. D. Burton)
TECHNICAL PROGRAM — TICKET SALES (Christopher J. Le Gallais, Coordinator; Christie Wiltshire, Barry McNamara)

Technical Luncheon ticket sales in 1985 totalled 18,086, a new record. During the year, changes were made in ticket-sales procedures, particularly in sales through the office, in allocation of tickets to company representatives based on the numbers of members in each company. These changes have increased availability of tickets to members and have generally streamlined operations.

The Society sincerely appreciates the efforts of the following company sales representatives for having done a conscientious job during 1985:

Rosalie Donald — Amoco Canada Ltd.
John Korec — Canterra Energy Ltd.
Richard Leishman — Canterra Energy Ltd.
Gail Pasidou — Canterra Energy Ltd.
Ardis Chen-See — Bluesky Oil and Gas Ltd.
Dave Beal — West Star Petroleum Ltd.
Pat Duke — BP Oil and Gas Ltd.
Bob Spring — BP Oil and Gas Ltd.
Angela Stewart — Canadian Superior Oil Ltd.
Marion McMichael — Canadian Superior Oil Ltd.
Phil Letkeman — Chevron Canada Resources Ltd.
Gerry O’Reilly — Chevron Canada Resources Ltd.
Pam Francis — Canadian Occidental Petroleum Ltd.
Suzanne Kelly — Dome Petroleum Ltd.
Doug Tunner — Dome Petroleum Ltd.
Burt Hettigga — Energy Resources Conservation Board
Elvira Shima — Energy Resources Conservation Board
Maureen Cook — Esso Resources Canada Ltd.
Murna Bray — Forest Oil Corporation
Rick Hawes — Gulf Canada Ltd.
Janice Yeo — Gulf Canada Ltd.
Carmelle Beaudin — Home Oil Company Ltd.
Jan Brown — Husky Oil Ltd.
Suelyn Chen — Coles Nikiforuk, Pennell Ltd.
Verna Bohnet — Aberdeen Resources Ltd.
John Lake — Mobil Oil Canada Ltd.
Jocelyn Hunt — Murphy Oil Co. Ltd.
Barbara Thomas — Norcen Energy Ltd.
Jim Hamilton — Panarctic Oils Ltd.
Bill Russel — PanCanadian Petroleum Ltd.
Thom Greenwood — Petro-Canada Ltd.
Elsie Perreault — Petro-Canada Ltd.
Sandy Anderson — Shell Canada Resources Ltd.
Jim Minions — Suncor Inc.
Suzan Poriz — Suncor Inc.
Ute Eggebrecht — TransCanada Pipelines
Hyacinth Richards — TransCanada Pipelines
Angela Petig — Texaco Canada Ltd.
Sandra Freeman — Texaco Canada Ltd.
Ken Walker — Union Oil Canada Ltd.
Ronald Gault — Union Oil Canada Ltd.
Bob McDonald — Ocelot Industries Ltd.
Barry Mazurkewich — Ocelot Industries Ltd.
Lynne Carter — Voyager Petroleum Ltd.
Mary Vandeberg — Voyager Petroleum Ltd.
Sheila Dylke — Canadian Society of Petroleum Geologists
Christine Helm — Canadian Society of Petroleum Geologists

Thanks must go also to Michael Leith (BP Canada Ltd.) for Annual Dinner ticket sales and to George Pastirik for Honorary Address ticket sales.

On December 1, 1985, after two years service, Chris Le Gallais retired as Ticket Sales Coordinator; the new Coordinator is Christie Wiltshire (Chevron Canada Resources Ltd.).


1985 can best be described as a transitional year for the Publications Sales Committee, marked by substantial changes in direction and increasing responsibilities.

Gross sales of CSPG publications were down slightly from the past two record-setting years to approximately $94,000. This can be attributed mainly to a lack of new Society publications other than guidebooks, which are mainly of local interest. Nearly 40 per cent of sales was through mail orders, mostly from the U.S.A., a fact which can be attributed to attendance by the Committee at major conferences and to a vigorous advertising campaign in a wide range of publications.

The committee attended five major conferences during 1985, two in Canada and three in the United States. Sales at the U. S. meetings (AAPG Annual Meeting, New Orleans; RMS-AAPG Section Meeting, Denver; GSA Annual Meeting, Orlando) all showed substantial profit and demonstrated a high demand for our publications.

The Canadian meetings (GAC Annual Meeting, Fredericton; CSPG/CIM Annual Convention, Edmonton) proved disappointing in terms of sales but gave the Society good exposure in different parts of the country.

The traditional luncheon sales continued, and notices of these, published in the Reservoir, allowed all members to take advantage of sale prices, either through the office or by mail.

The sale of AAPG publications grew substantially to approximately $35,000, producing a profit for the Society of over $4,000. This strong growth can be attributed to awareness on the part of our membership that AAPG publications can be purchased through the Society at less than AAPG member price from Tulsa, as well as to advertising by AAPG that their publications are available in Canada through the CSPG.

A sub-committee, chaired by Martin Hewitt, is responsible for all aspects of AAPG publications sales, including
handling and packaging in the office and control of all revenue generated.

The arrangement with AAPG is a reciprocal one; AAPG have agreed to sell, and advertise the availability of, our publications through their office in Tulsa. In December the AAPG placed an order with us for approximately $4,500 worth of our publications.

Other duties of the committee, such as liaison with the National Library, distribution of review copies of our publications, advertising, photocopying and copyright permissions and generally promoting the Society nationally and internationally have continued efficiently.

The 1986 sales goal for combined CSPG and AAPG publications is $140,000. A new publications catalogue, new publications (Memoir II, Shelf Sands and Sandstones; two new Lexicons and one or two special publications), coupled with AAPG sales of our publications and increased awareness of availability of AAPG publications should produce a record year of publications sales.

MERCHANDISING COMMITTEE (Frank Racicot, Chairman)

This committee was established during the year to design and market high-quality promotional merchandise of interest to members. Items now available include men’s silk ties with Society logo, Society logo crests, baseball caps and T-shirts. Other items being considered include beer mugs, belt buckles and ladies’ scarves.

BULLETIN ADVERTISING COMMITTEE (Phil Hayes, Chairman)

Commercial advertising sold for the 1985 issues of the Bulletin of Canadian Petroleum Geology totalled 14 pages, compared with 21.5 pages in 1984. Professional cards listed were 16, versus 14 for the previous year. Total advertising revenue is down from $7,440 in 1984 to approximately $6,800 in 1985.

GRANTS COMMITTEE (R. Lennox, Chairman)

The activities of the Grants Committee have centered upon the acquisition of grants from government and private agencies to support the publication and sale of new CSPG publications.

In 1985, the Alberta and federal governments were asked to support travel to international conferences at which the CSPG could promote its publications.

Preliminary contacts have been made in the application for grants for the upcoming Shelf Sands Memoir and the Atlantic Lexicon.

ADVERTISING BROCHURE (D. Gardner, Chairman; D. Greggs)

This committee was formed in 1983 to develop an information brochure to advertise the Society in Canada, the United States and overseas and thus to stimulate membership growth and publications sales in new market areas. A preliminary design for the brochure was submitted during the year, but no further work was done, and at the end of the year, the project was on hold.