

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
1996 REPORT OF ACTIVITIES**

1996 Executive Committee

**G.E. (Gerry) Reinson, President
Ric Sebastian, Vice President
Jim Barclay, Secretary**

**Christian Viau, Treasurer
Frank Chappell, Director/Assistant Treasurer
Blythe Slater, Business Manager
Ken Lewis, Director/Assistant Business Manager
George Eynon, Past President**

PRESIDENT'S REPORT (Gerry Reinson)

Nineteen ninety-six was a transition year for our Society. The Executive Committee struggled with an organization in a state of flux due to rapidly changing business operations, financial practices and program requirements. This transitional period was an outgrowth of the new corporate philosophy of the 1990's which is to "do more with less". Such a philosophy has adversely impacted on the number of geologists employed in the petroleum industry and, therefore, on the Society by contributing to a decrease and leveling-off of corporate and individual memberships. Other adverse Societal impacts include the reduction in volunteer time that existing members can now devote to Society activities, and the reduction in in-house corporate training programs for those employed members. Thus the role of the Society has changed, and by necessity must continue to change in order to remain relevant and useful to its members. The 1996 Executive focused on three objectives in response to this changing role.

The first objective was to maximize the business operations of the Society in order to better serve our members. A full-time Business Manager, Tim Howard, was hired in December of 1995 to address the increasing business activities of the Society and to offset the trend in reduction of members' volunteer time. Day-to-day operations such as publication sales, Bulletin-Reservoir circulation, membership dues statements, secretarial duties relating to convention, symposia, committee and Executive meetings, and bookkeeping/accounting procedures have been streamlined. In addition, major regulatory and legal items such as insurance, contracts for professional and publication services, and financial agreements have been revised or instituted where appropriate. These changes have led, or will lead, to savings in audit-accounting and consulting-contractual fees, and hopefully, to increased revenues from the annual convention, advertising and corporate/individual memberships.

The second objective of improving the Society's financial management system is covered in detail in the Treasurer's report. Suffice to say the need to revamp the financial workings of the Society became evident when the overall day-to-day business operations were examined. Through the efforts of Tim Howard, as directed by the Executive, we are now able to integrate all the accounting needs into our in-house bookkeeping operations. We have also implemented a procedure to track actual monthly cash flows and revenue/spending against budget forecasts.

The third objective of the Executive was to more efficiently manage and co-ordinate our numerous technical and social programs. These programs, after all, are our raison d'être - to service our members through our various programs. We reorganized our committee structure along functional lines (i.e., educational and social programs, public and member services, and finances). The life-blood of our Society is our committees, so we wanted to set up a framework that would assist the various committees in undertaking their activities. For example, continuing education is becoming an important function within the Society because employers do not, or cannot, supply as much in-house training as they did in the past. Thus, publications such as the Bulletin, and field and lecture courses must be strongly supported through co-ordination and facilitation of the responsible committee's (or individual's) activities.

Because of all the organizational changes in the business operational, financial and program functions, there was a need for changes in the structure of the Executive Committee. This led to a comprehensive revision of the Society's by-laws which had remained unchanged since 1975. The proposed "Amendment and Restatement of the By-laws" document was put to a members' vote in January. This document reflects the organizational changes we have made and also accounts for several Societal changes that have evolved naturally since the

1975 by-laws were adopted.

Among numerous noteworthy Society activities or events that occurred in 1996, several highlights include: 1) reorganization of the Educational Trust Fund into the vehicle through which the Society will undertake its entire philanthropic activities, 2) staging of the most financially successful annual convention (Pools '96) in the Society's history, 3) publication of the "Triangle Zone" special issue of the Bulletin, and 4) initiation of discussions with Montana Geological Society and Rocky Mountain Section of AAPG to undertake a "cross-border" joint convention in Calgary in 1999.

To summarize, the 1996 Executive recognized the need to put into place an efficient management framework that would guide the Society's growth and activities into the next millennium. We struggled with developing a long-term strategic business plan. But this was a rewarding exercise because all the objectives discussed above result directly from, and form part of, an overall long-term business plan. In my last Executive Comment in the Reservoir, I questioned whether the accomplishments of the '96 Executive would be substantive and measurable over the long haul. Time will tell. The changes that we instituted this year with respect to financial programs and executive functions will be on-going and evolving through 1997 and beyond.

Serving as your president has been a totally enlightening experience and I am grateful to have been given the opportunity. I thank all the members of my Executive Committee for their support, encouragement and tolerance, and especially for their commitment and dedication to the Society. Special thanks are extended to the office personnel, Deanna Watkins and Jaimè Croft-Ramos for their assistance throughout the year, and to Tim Howard, not only for his assistance, but for his dedication, integrity and resiliency as the Society's first full-time Business Manager.

TREASURER'S REPORT (Christian Viau)

This report covers the fiscal period ended August 31, 1996 and includes the audited financial statements of the Society. Financial results are for a period of 9 months only due to our change in fiscal year end to August 31 from November 30. This year end change will eventually help lower our audit cost and put less stress on executive, staff, consultants and committee volunteers who prepare year end statements. This change causes inconvenience for some committees but we hope to minimize the impact.

The main conclusion of this report is that the Society has a strong asset base but a weak cash flow position that requires scrutiny and sound management.

Balance sheet

From an asset point of view, the Society remains in

excellent financial condition with assets valued at \$1,297,357 million. The assets consist of \$330,264 in cash, \$622,721 in short term deposits, \$255,638 in inventory, \$20,668 in accounts receivable, \$30,068 in prepaid expenses, \$17,783 in restricted funds and \$20,215 in capital assets. Current liabilities (as of August 31, 1996) total \$141,707 and consist of \$78,967 in accounts payable and accrued liabilities and \$62,740 in deferred revenues. Hence, in terms of members' equity, the Society has \$1,155,650 million as an accumulated surplus, or \$432.67 per active member (2671 active members). The total value of members' equity decreased in 1996 by \$36.90 (8%), due to a net loss of \$100,815 which includes a partial write-down by \$26,950 (49%) of the Bronze inventory. This is the third consecutive year that the Society records a significant net loss and decrease in members' equity. The Executive has been concerned all year with this anticipated result and has already made important changes, discussed below, to address the problem.

Operating Fund

The Society tries to operate on a "break-even" basis for most of its expense categories. This year the Society had a slight gain of \$3916 on general operations. Our total revenue of \$727,802 consists of membership fees (\$111,361), advertising and subscriptions (\$68,575), the annual conventions (\$516,066) and interest and other income (\$31,800). Our operating expenses of \$723,886 consist of the annual conventions expenses (\$316,322) and our operating expenses (\$407,564). These operating expenses include the office (\$137,818), the Bulletin (\$143,990), the Reservoir (\$61,457), awards (\$10,122), and administration (\$57,312). Major items in administration expenses include accounting fees and the 1995 annual audit (\$36,927) and Executive and liaison committee expenses (\$15,628).

Net loss from other operations totaled \$104,731. The sales of publications generated a profit of \$15,282 (but this does not include inventory write-downs). Expenses for a given year vary depending upon which publications are being prepared. Technical Program expenses exceeded revenues by \$21,184. The main revenue and cost components of the technical programs include technical luncheons (\$117,990-\$123,350=-\$5,360), continuing education (\$26,262-\$25,681=\$581) and the Advantage Program (\$31,498-\$36,685=-\$5,187). The annual conventions made a profit of \$199,744 and this was reported as part of general operations. The Society subsidizes major social events such as the Awards Dinner and the Past Presidents Dinner. This year social events were subsidized by \$9,007. Details of operations for the Bronzes are shown on Schedule 6 and indicate a loss of \$33,867 (including a write-down of \$26,950 or 49%).

The Bottom Line

We show a net loss of \$100,815 for 1996 and a net loss of \$278,196 for the last 2 years (21 months). During the same time, members' equity has gone down from \$1,432,720 to \$1,155,650 or \$277,070, a 19% decrease. Note that the CSPG did not transfer any monies to the Educational Trust Fund (ETF) in 1996, while in 1995 the CSPG transferred \$100,000. The Executive did, however, approve \$55,955 in donations in 1996 mostly to honor prior commitments. Note also that we received a \$199,744 profit from the annual conventions in 1996 (compared to the previous year's \$76,773 profit); a \$122,971 increase that we can not count on in future years of joint conventions. In summary, given 1995 levels of convention profits, the decrease in members' equity for the past two years would be 28% (instead of 19%), and we would have a net loss of \$223,786 for 1996. At that rate we would completely eliminate our surplus of \$1,155,650 million in 5 years. Consequently, the CSPG must improve its financial management and operate without a deficit to maintain and grow members' equity.

The Future

It is clear that future Executives will have to look closely at all expenses and sources of revenues. Only after such an exercise is completed should any major decisions be made. It is, however, already apparent that eliminating our operating deficit and expanding or even maintaining present levels of services to members will require a tight control of expenses. Undoubtedly, this will lead to discussions about adjustments to major sources of revenues, such as convention registration and membership fees, both of which have traditionally been kept at low levels.

It is the Executive's belief that the Society must better track its finances on a continuous basis. In this way, the Society can maintain its strong asset position and face any potential future difficult economic times by being proactive. With the hiring of our Office Business Manager, we have been able to integrate all the accounting functions with our in-house day-to-day bookkeeping and operations. However, the Society's inability to accurately forecast cash flow and financial performance remains a major concern. This issue has been raised by our auditors over the past several years and our 1996 financial results, as described above, highlight that concern. One of the factors contributing to this situation has been the Society's lack of detailed budgeting and control.

Financial management of Society activities is now being addressed through a new 5-year Strategic Business Plan, which includes a detailed Financial Plan. The resultant annual budget is also being integrated into our bookkeeping practices in order to track actual versus budgeted items. This will enable us to make regular cor-

rections to revenues and spending practices in order to stay on track. For this new budgetary policy to work we need the assistance of all the Society's committees. At the end of the 1996 fiscal year we asked each committee to submit a detailed budget for the 1996/1997 fiscal year (September, 1 1996 to August 31, 1997). We also asked each committee to consider having their books maintained by the CSPG office. For many committees, this is already the case. For others, this will be a welcome relief from the demands of looking after banking and satisfying auditor inquiries. We do not wish to usurp budgetary control of committees, but rather to place at their disposal a resource which will free them from the mechanics of bookkeeping and enable them to focus on the activities of their committee. The office can then provide them with ready and regular reports on their financial status. Committee chairpersons will still be responsible for their own budget (once approved by the Executive) and approval of all invoices. The rest will be handled by the CSPG office. Committees that want to maintain their own bank accounts will be required to submit monthly transaction reports, including bank reconciliations.

With this new management framework in place, we will be able to react immediately to the entire Society's financial performance throughout the year, rather than waiting until two to three months after each year-end, a task that has become increasingly demanding and costly from the point of view of our audit. Such a once-a-year, and after the fact, approach is an unworkable practice, as evidenced by the Society's financial performance in the past three years. Furthermore, by consolidating the Society's assets into one or two accounts, rather than the plethora which now exists, we can achieve significant investment advantages not currently available, particularly when the Society's overall cash-flow can be anticipated and monitored.

Concluding Remarks

The Society is going through an exciting phase in its development and it has been a pleasure for me to serve on the Executive committee during these past two years of important changes. The Executive is looking at innovative ways of serving members, new ways of attracting new members, better ways of generating revenues, alternate ways of attracting corporate support and dynamic ways of preparing for the future. We believe that the best way to support all of these initiatives is to create and maintain a solid financial management system. I am confident that the incoming Executive will achieve this goal while maintaining the strong CSPG tradition of excellence in technical, educational and social involvement.

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
FINANCIAL STATEMENTS
AUGUST 31, 1996**



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AUDITORS' REPORT

To the Members
Canadian Society of Petroleum Geologists

We have audited the balance sheet of the Canadian Society of Petroleum Geologists as at August 31, 1996 and the statements of operations and surplus for the nine months then ended. These financial statements are the responsibility of the Society's management. Our responsibility is to express an opinion on these financial statements based on our audit.

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

In common with many not-for-profit organizations, the Society derives revenue from donations and membership fees, the completeness of which is not susceptible of satisfactory audit verification. Accordingly, our verification of these revenues was limited to the amounts recorded in the records of the Society and we were not able to determine whether any adjustments might be necessary to revenues, net income, assets and surplus.

In our opinion, except for the effect of adjustments, if any, which we might have determined to be necessary had we been able to satisfy ourselves concerning the completeness of the revenue referred to in the preceding paragraph, these financial statements present fairly, in all material respects, the financial position of the Society as at August 31, 1996 and the results of its operations for the period then ended in accordance with generally accepted accounting principles.

Collins Barrow

CHARTERED ACCOUNTANTS

Calgary, Alberta
November 22, 1996

Founding Member of

**Moore
Rowland**

Represented in 75 Countries

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS**BALANCE SHEET****AUGUST 31, 1996***(with comparative figures as at November 30, 1995)*

	1996	1995 (restated - Note 9)
Assets		
Current assets		
Cash	\$ 330,264	\$ 414,561
Short-term deposits	622,721	612,712
Accounts receivable	20,668	29,225
Prepaid expenses	30,068	63,954
Inventory (note 2)	255,638	319,869
	1,259,359	1,440,321
Restricted funds (note 3)	17,783	17,430
Capital assets (note 4)	20,215	23,128
	\$ 1,297,357	\$ 1,480,879
Liabilities		
Current liabilities		
Accounts payable and accrued liabilities	\$ 78,967	\$ 106,862
Deferred revenue	62,740	117,905
	141,707	224,767
Surplus		
Operating Fund	1,137,867	1,238,682
Stanley Slipper Award Fund	17,783	17,430
Atlas Finance Fund	-	-
	1,155,650	1,256,112
	\$ 1,297,357	\$ 1,480,879

Approved by the Society,

Christian Vian, Director

[Signature], Director

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
OPERATING FUND
STATEMENT OF OPERATIONS AND SURPLUS
NINE MONTHS ENDED AUGUST 31, 1996

(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Revenue		
Membership fees	\$ 111,361	\$ 162,353
Advertising and subscriptions	68,575	120,347
Interest and other income - Schedule 1	31,800	50,864
Annual convention	516,066	356,108
	727,802	689,672
Expenses		
Operating expenses - Schedule 2	407,564	413,861
Annual convention	316,322	279,335
	723,886	693,196
Income (loss) from general operations	3,916	(3,524)
Income (loss) from other operations, net		
Publications - Schedule 3	15,282	(64,158)
Technical Programs - Schedule 4	(21,184)	6,594
Social Events - Schedule 5	(9,007)	(6,262)
Bronzes - Schedule 6	(33,867)	(9,931)
Donations	(55,955)	(1,100)
C.S.P.G. Educational Trust Fund donation	-	(100,000)
	(104,731)	(174,857)
Net loss	(100,815)	(178,381)
Surplus, beginning of period		
As previously reported	1,256,112	1,300,082
Change in accounting policy (note 9)	(17,430)	(16,676)
As restated	1,238,682	1,283,406
	1,137,867	1,105,025
Transfer from Atlas Finance Fund	-	133,657
Surplus, end of period	\$ 1,137,867	\$ 1,238,682

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
STANLEY SLIPPER AWARD FUND
NINE MONTHS ENDED AUGUST 31, 1996

(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Interest income	\$ 328	\$ 957
Foreign exchange gain (loss)	25	(203)
Net income	353	754
Surplus, beginning of period		
As previously reported	-	-
Change in accounting policy (note 9)	17,430	16,676
As restated	17,430	16,676
Surplus, end of period	\$ 17,783	\$ 17,430

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
ATLAS FINANCE FUND
STATEMENT OF OPERATIONS AND SURPLUS
NINE MONTHS ENDED AUGUST 31, 1996

(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Interest revenue, being net income	\$ -	\$ 1,019
Surplus, beginning of period	-	132,638
<i>Transfer to Operating Fund</i>	-	(133,657)
Surplus, end of period	\$ -	\$ -

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

NOTES TO FINANCIAL STATEMENTS

AUGUST 31, 1996

(with comparative figures as at November 30, 1995)

The Canadian Society of Petroleum Geologists was chartered under the Canada Business Corporations Act in 1973 as a not-for-profit organization to advance the science of geology, especially as it relates to petroleum, natural gas, and other fossil fuels; to promote the technology of exploration; to foster the spirit of scientific research throughout its membership and to disseminate information to the public.

1. Significant accounting policies

(a) Inventory

Inventory is valued at the lower of cost and net realizable value. Cost is determined on a specific item basis.

(b) Work in progress

Work in progress is valued at the lower of cost and net realizable value.

(c) Capital assets

Capital assets are recorded at cost. Amortization of capital assets is provided for using the straight-line method at the following annual rates:

Computer hardware	33 1/3%
Computer software	20%
Furniture and fixtures	10%

(d) Revenue recognition

Revenue is recognized in the period to which it relates. The deferred revenue consists mainly of memberships paid in advance of the fiscal year.

(e) Donated services

These financial statements do not account for the value of donated services.

(f) Income taxes

The Canadian Society of Petroleum Geologists is a not-for-profit organization. Accordingly, no provision for income taxes has been made in these financial statements, as the Society is exempt pursuant to Section 149(1)(l) of the Income Tax Act.

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
NOTES TO FINANCIAL STATEMENTS
AUGUST 31, 1996

(with comparative figures as at November 30, 1995)

2. Inventory

Inventory consists of the following:

	<u>1996</u>	<u>1995</u>
Publications	\$ 228,138	\$ 257,499
Bronzes	27,500	62,370
	<u>\$ 255,638</u>	<u>\$ 319,869</u>

3. Restricted funds

Amounts donated to the Stanley Slipper Award Fund are restricted for use in conjunction with this award. During the period, no amounts were disbursed from the fund.

4. Capital assets

	Cost	Accumulated Depreciation	Net Book Value	
			1996	1995
Computer hardware	\$ 19,619	\$ 15,262	\$ 4,357	\$ 4,828
Computer software	12,320	6,991	5,329	7,019
Furniture and fixtures	13,043	2,514	10,529	11,281
	<u>\$ 44,982</u>	<u>\$ 24,767</u>	<u>\$ 20,215</u>	<u>\$ 23,128</u>

5. Commitment

Payments on leased premises expiring September 30, 1997 are due as follows:

1997	\$ 24,503
1998	2,042
	<u>\$ 26,545</u>

6. Statement of cash flow

A statement of cash flow has not been presented as it would not provide additional useful information.

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

NOTES TO FINANCIAL STATEMENTS

AUGUST 31, 1996

(with comparative figures as at November 30, 1995)

7. Comparative figures

Certain comparative figures have been reclassified to conform with the current period's presentation.

8. Change of year end

During the period, the Society amended its by-laws to effect a change in its year end from November 30 to August 31 commencing with the fiscal period ended August 31, 1996.

9. Change in accounting policy

During the period, the Society retroactively adopted the fund accounting method for the Stanley Slipper Award. The effect of this change on the November 30, 1995 financial statements is to decrease short-term deposits by \$17,430 and Operating Fund surplus by \$16,676 and to increase restricted funds by \$17,430, Operating Fund loss by \$754, Stanley Slipper Award Fund income by \$754 and Stanley Slipper Award Fund surplus by \$16,676. The aggregate effect of this change on the August 31, 1996 financial statements is to decrease cash by \$17,783 and Operating Fund surplus by \$17,430 and to increase restricted funds by \$17,783, Operating Fund loss by \$353, Stanley Slipper Award Fund income by \$353 and Stanley Slipper Award Fund surplus by \$17,430.

Schedule 1

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
SCHEDULE OF INTEREST AND OTHER INCOME
NINE MONTHS ENDED AUGUST 31, 1996
(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Cash and short-term deposits interest income	\$ 24,374	\$ 46,659
Committee interest income		
Annual Convention	3,713	285
Bulletin	1	16
Environmental division	1	1
Honourary address	27	43
Men's golf tournament	340	203
One day field trips	4	8
Joint Committee on Paleontographica Monographs	137	1,495
1993 Pangea Conference	312	1,292
Sedimentology division	8	23
Squash tournament	5	11
Visiting foreign explorer	-	203
Visiting lecturers	20	6
10K Road Race	6	4
	4,574	3,590
Other income	2,852	615
	\$ 31,800	\$ 50,864

Schedule 2

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
SCHEDULE OF OPERATING EXPENSES
NINE MONTHS ENDED AUGUST 31, 1996
(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Bulletin and reservoir expense		
Bulletin publication	\$ 143,990	\$ 107,180
Reservoir publication	61,457	89,641
Calendar	-	2,936
Advertising sales committee	1,904	2,336
	207,351	202,093
Awards	10,122	11,026
Administrative		
Annual general meeting	-	206
Bank charges and Visa	4,757	4,419
Executive committee	7,314	18,637
Liaison committees	8,314	8,226
Professional fees	36,927	47,617
Public service	-	6,100
	57,312	85,205
Office		
Computer applications	658	1,200
Insurance	1,546	5,797
Leases and maintenance	14,380	12,298
Office rent	17,766	21,857
Postage	-	10,437
Salaries and employee benefits	89,100	54,607
Stationery, supplies and computer associated costs	7,086	8,971
Depreciation	7,282	8,345
	137,818	123,512
	412,603	421,836
Less: Expenses recovered	5,039	7,975
	\$ 407,564	\$ 413,861

Schedule 3

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
PUBLICATIONS
SCHEDULE OF OPERATIONS
NINE MONTHS ENDED AUGUST 31, 1996
(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Sales		
CSPG Publications	\$ 61,565	\$ 80,123
AAPG Publications	30,803	30,278
Joint Publications	2,657	5,085
Pangea Memoir	-	5,435
Other Publications	14,540	9,731
	109,565	130,652
Cost of sales		
Inventory, beginning of period	257,499	264,618
Work-in-progress, beginning of period	-	27,950
Publication costs		
CSPG Publications	15,476	43,808
AAPG Publications	23,581	28,018
Joint Publications	1,992	4,735
Pangea Memoir	-	43,867
Other Publications	5,364	11,026
	303,912	424,022
Less: Inventory, end of period (note 2)	228,138	257,499
	75,774	166,523
	33,791	(35,871)
Less: Publication sales expense	18,509	28,287
Net income (loss)	\$ 15,282	\$ (64,158)

Schedule 4

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
TECHNICAL PROGRAMS
SCHEDULE OF OPERATIONS
NINE MONTHS ENDED AUGUST 31, 1996
(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Revenue		
Advantage program	\$ 31,498	\$ 67,009
Continuing education	26,262	77,641
Field trips	5,901	4,191
Honourary address	-	8,950
Technical luncheons	117,990	190,062
Other	540	6,107
	182,191	353,960
Expenses		
Advantage program	\$ 36,685	\$ 85,363
Canadian Potential Gas	2,550	5,304
Continuing education	25,681	49,204
Field trips	3,326	4,814
Honourary address	1,280	16,142
Technical luncheons	123,350	172,436
Visiting lecturers	2,580	5,993
Other	7,923	8,110
	203,375	347,366
Net income (loss)	\$ (21,184)	\$ 6,594

Schedule 5

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
SOCIAL EVENTS
SCHEDULE OF OPERATIONS
NINE MONTHS ENDED AUGUST 31, 1996

(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Revenue		
Awards dinner	\$ 589	\$ 2,884
Golf and squash tournaments	89,213	88,641
Past Presidents dinner	359	840
10K Road Race	6,883	6,553
	97,044	98,918
Expenses		
Awards dinner	9,144	5,929
Golf and squash tournaments	88,990	90,993
Past Presidents dinner	528	3,280
10K Road Race	7,389	4,978
	106,051	105,180
Net income (loss)	\$ (9,007)	\$ (6,262)

Schedule 6

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
BRONZES
SCHEDULE OF OPERATIONS
NINE MONTHS ENDED AUGUST 31, 1996
(with comparative figures for the year ended November 30, 1995)

	Nine months ended August 31, 1996	Year ended November 30, 1995 (restated - Note 9)
Sales	\$ 20,000	\$ 20,300
Cost of sales		
Inventory, beginning of period	62,370	50,490
Work in progress, beginning of period	-	20,790
Bronze costs	2,863	-
Less: Inventory, end of period (note 2)	(27,500)	(62,370)
	37,733	8,910
Less: Cost of donations	(990)	(990)
	36,743	7,920
	(16,743)	12,380
Advertising and promotion	(17,124)	(22,311)
Net loss	\$ (33,867)	\$ (9,931)

AWARDS

PRESIDENT'S AWARD (Gerry Reinson, President)

The recipient of the 1996 President's Award is Ms. Alice V. Payne. Alice was chosen because of her outstanding and sustained service to the Society through her participation in numerous committee and executive activities. Alice is a pioneer in many ways, not the least of which she was the first woman President of our Society. Her 1992 tenure as President was preceded by a stint as Society Treasurer in 1988. When not serving on the elected Executive board, Alice participated as Chairperson of the Entertainment Committee for the 1983 convention, as Co-Chair of the Atlas Finance Committee in 1991, and as Chairperson of the Stanley Slipper Gold Medal Committee in 1995-96. These are just a few of the many Society activities Alice was involved in over the years. I would be remiss in not mentioning her role in raising funds for the Pools '96 convention; her efforts in this regard contributed substantially to the financial success of this conference. Perhaps the most endearing aspect of Alice's Society activities are that she always has an opinion, and is more than willing to get involved. Further, she always has the best interests of the Society at heart, and is willing to listen to others and work with anybody regardless of diverging opinions. The Society needs more members like Alice Payne!

The 1996 President's Award, along with all the other awards of the Society, will be presented at the Awards Dinner in conjunction with the Annual Convention in June 1997.

LINK AWARD COMMITTEE (Rick Steedman, Chairperson; Vaughan Allan, Harry Crabtree, Julius Den Haan, Doug Flaig, Walt Gamp, Bob Leatherbarrow, Chris Link, Mike Marshall)

The Link Award Committee was established in 1958 to encourage high standards for presentation of oral papers given at the Society's Luncheon meetings. In 1996, eight of sixteen presentations were eligible for the award. The Committee recognized the overall high quality of the talks, including some of that were ineligible. In particular, the Committee wishes to make Honorable Mention of Kirk Osadetz for his excellent talk on March 12, when the scheduled speaker was unavailable.

The winners of the 1996 Link Award are Tom Boreen and Bill Martindale for their paper entitled, "Australian Cool Water Carbonates: Analogues for Mississippian, Permian and Triassic Sediments of the Western Canadian Sedimentary Basin".

In view of the number of ineligible talks, I ask that consideration be given to encouraging potential speakers to join the Society in good time prior to their presentation. This would serve to increase both the competition

for the Award and the membership.

MEDAL OF MERIT COMMITTEE (Eric Mountjoy, Chairperson)

No report available.

R.J.W. DOUGLAS MEDAL COMMITTEE (Stephen Greer, Chairperson)

The R.J.W. Douglas Medal is awarded for outstanding contributions to regional geology, petroleum and structural geology. The recipient of the 1996 award is Albert W. Bally.

Bert Bally has had a most remarkable career. He has been a successful oil and gas explorationist, first in Canada, later in the United States and throughout the world. He has worked as a consultant and, since 1981, has held a teaching and research professorship at Rice University, Houston, where he was also department chairman from 1981 to 1986. He has been involved in many of the largest international research activities in the earth sciences in North America since the early 1970's including COCORP, Lithoprobe, JOIDES, ODP and the DNAG synthesis. He has served as executive member of, or advisor to, NSF, IGCP, IUGS, AGI, NRC and NSERC, and has served as President of GSA. He has been a distinguished lecturer on five occasions, and has been honoured by geological societies throughout North America and Europe.

Bert moved to Calgary with Shell in 1954. At that time, the Palliser Hotel dominated the skyline and the TransCanada highway was a gravel road that ended in the Rocky Mountains. His early career included an ambitious program of regional exploration and mapping in the Alberta and BC foothills, and throughout the Northern Cordillera of the Yukon and Northwest Territories. The success of this Canadian experience is underscored by his most famous publication, possibly the most quoted paper on all Western Canadian geology: Bally, Gordy and Steward (1966). This paper established the thin-skinned and far-traveled character of the Rocky Mountains thrust belt. It demonstrated for the first time the use of regional seismic profiles and admissible structural cross-sections, and introduced many of the fundamental concepts for understanding the relative timing and kinematics of thrust belts. This paper also influenced the initiation of the eminently successful COCORP and Lithoprobe programs.

Bert's publication record since 1966 has been impressive. He has written definitive early papers on many of the current hot topics in the earth sciences. His reputation also resides in an ability to synthesize vast quantities of data into profusely illustrated, large format publications. The first of these was the Shell Stratigraphic Atlas of North and Central America (with T.D. Cook, 1975). This work still stands as the only definitive compi-

lation of its kind and an early model for the now popular stratigraphic atlas. Equally significant are Bert's seismic atlases including "Seismic Expression of Structural Styles" (1983), and the "Atlas of Seismic Stratigraphy" (1987 to 1989). Drawing on industry data and contacts from around the world (including many parts of Canada), Bert assembled hundreds of seismic illustrations of sedimentary basins, fold and thrust belts of all types, rift zones, accretionary wedges, strike-slip fault zones, diapir provinces, deep-sea fans and volcanic sea mounts. These compilations were some of the earliest of the now ubiquitous seismic atlases available. Nonetheless these are still the most useful because they are first class teaching tools and global in scope.

Bert's lasting gift to Canada (and the world) should be considered his promotion of the value of seismic data to the non-geophysicist; an ideal that he championed throughout his career, in his talks, in his papers and in his university teaching. Albert Bally's demonstrations of the true value of regional seismic data, through his 1966 paper and through all his subsequent publications (not least of all his atlases), have changed our view of the world.

CSPG GRADUATE STUDENT THESIS AWARDS COMMITTEE (Christopher Harrison, Chairperson; Lawrence Bernstein, Andre Chow, Leslie Eliuk, Stephen Greer, Lisa Griffith, Tony Hamblin, Don Keith, Wendy Shier)

The role of this committee is to evaluate M.Sc. and Ph.D. theses which each year make the most significant contributions to sedimentary and/or petroleum geology in Canada. The Committee is also keen to accept for consideration any thesis that might be of interest to the Society and its members including (for example) topics relating to hydrogeology, sedimentary-hosted mineral deposits, remote sensing or subsurface imaging techniques in sedimentary basins, basin modeling, biostratigraphy and geochemistry. Criteria by which theses are judged include definition of purpose and success in reaching goals, method and logic of investigation, originality of topic, ideas and content, validity of interpretations and conclusions, completeness of data generation and presentation, contribution to science and industry, depth and thoroughness of research and overall effort as well as organization of chapters, quality of writing and effective use of illustrations. Successful theses will also provide, where appropriate: a full consideration of the economic implications of the presented data; clear distinction of past work from what is new; regional or general implications of scientific contributions made from a small study area or topic; and interpretation of observations made in modern depositional settings to the ancient record, and vice versa. The Committee also encourages publication of thesis results. Nevertheless, a

thesis is not just a collection of the candidate's previously published scientific articles assembled under a single cover.

The awards for the Masters and Doctoral theses each consist of a framed certificate, a one-year membership in the CSPG and a combination of CSPG/AAPG books and/or CSPG field trip registrations worth a total of \$1000.

A poster advertisement is sent each Spring to all Canadian university geology departments and a notice is posted in the CSPG Reservoir and GAC Geolog. Theses are sent to the committee chairperson by early September and then read by the committee members from September to late November. The winning theses are determined by early December, and the authors and respective supervisors are notified thereafter.

This year 19 M.Sc. and 7 Ph.D. theses were submitted from 10 universities. The winner of the M.Sc. award was Mark Rowland Hearn (University of Alberta) for a thesis entitled, "Stratigraphic and diagenetic controls on aquitard integrity and hydrocarbon entrapment, Bashaw Reef Complex, Alberta, Canada". This study provides an exceptional examination of primary and diagenetic aquitard characteristics in Devonian carbonates. The author has established criteria for identification of aquitard breaches and the significance of this information at local and regional scales for the detection of undiscovered hydrocarbon resources.

The winner of the Ph.D. award was Dr. Paul A. Blanchon (University of Alberta) for a thesis entitled, "Controls on modern reef development around Grand Cayman". This thesis offers a thorough examination of variations in carbonate depositional settings on protected and windward-facing shelves and slopes around one large island in the Caribbean. The author offers compelling arguments in particular support of Charles Darwin's model of atoll reef formation while also invoking hurricanes and catastrophic deglacial flooding events as significant agents in the development of reef architecture. There were several other noteworthy Ph.D. theses this year including those by Dr. Iain K. Sinclair (University of Aberdeen) on "Tectonism and sedimentation in the Jeanne d'Arc Basin, Grand Banks of Newfoundland" and Dr. Mark P. Mallamo (McGill University) on "Paleoceanography of the Upper Devonian Fairholme carbonate complex, Kananaskis - Banff Area, Alberta".

A short notice, with photograph, acknowledging the achievements of the two award winners will appear in the *Bulletin of Canadian of Petroleum Geology*.

Changes to Committee membership this past year included the departure of Christian Viau who served for seven years and was a most enthusiastic chairperson from 1991 through 1995. Christian continues to be very active in the Society. Wendy Shier (Elan Energy) has now joined the Committee.

REGIONAL GRADUATE/UNDERGRADUATE SCHOLARSHIP (Shawna Christensen, Chairperson; Lorne Rosenthal, Richard Evoy)

The CSPG and Chevron Canada Resources awards annually, on a regional basis, three scholarships to promote advanced education and research in those fields of geology having application to the petroleum industry. Each of the scholarships has a value of \$1,500 and is given to a graduate in each of the three regions of Canada. The 1996 recipients are:

- Western Canada - Marianne McKenzie (U. of A.) - *A Geochemical Study of Carbonate Cementation in the Late Devonian Leduc Formation, Southwestern Peace River Arch, Alberta.*
- Ontario/Quebec - Elizabeth Turner (Queen's University) - *Proterozoic Reefs and Carbonate Facies.*
- Atlantic Canada - no submissions

The CSPG, Chevron Canada Resources and Norcen Energy award three scholarships annually to undergraduates enrolled in geology at a Canadian University. Each scholarship has a value of \$1,250. The CSPG/Chevron Canada Resources Scholarship was awarded to Mark Deptuck at Saint Mary's University. The CSPG/Norcen Energy Scholarship was awarded to Nadya Slemko at the University of Alberta. The CSPG Scholarship was awarded to Shawna Simpson at the University of Western Ontario.

The C.A.S.T. (Canadian Aboriginal Science and Technology Society) Award is a scholarship of \$1,000 presented to an outstanding aboriginal who is enrolled in geology at a Canadian University in 1995/1996. This year's recipient was Nicole Renee Sewin Ducharme at the University of Manitoba.

UNDERGRADUATE STUDENT AWARDS COMMITTEE (Indraneel Raychaudhuri, Chairperson)

The objective of the Undergraduate Student Awards is to recognize the achievements of outstanding undergraduate geoscience students from across Canada. The awards are presented annually, to one deserving undergraduate student from each Canadian university that offers a geoscience program. The students are chosen by their respective professors for demonstrating outstanding proficiency in petroleum geology or the related fields of sedimentology, stratigraphy, palaeontology and structural geology. The students each receive a one-year membership to the Society, an embossed certificate, and a \$30.00 cheque to defer costs incurred in framing their certificates.

The 1995-96 Undergraduate Awards were presented to the following students:

Acadia University
University of Alberta.
Brandon University

Sandra Marshall
E. Matthew Caddell
Alison Walden

University of British Columbia
Brock University
University of Calgary
Carleton University
Concordia University
Dalhousie University
University of Guelph
Lakehead University
Laurentian University
University of Manitoba
McGill University
McMaster University
Memorial University of
Newfoundland
Universite du Montreal
University of NB (Fredericton)
University of NB (St. John)
University of Ottawa
Universite du Quebec
a Chicoutimi
Universite du Quebec a
Montreal
Queen's University
University of Regina
St. Francis Xavier University
St. Mary's University
University of Saskatchewan
University of Toronto
University of Victoria
University of Waterloo
University of Western Ontario
University of Windsor

Craig Churchill
Adam Grodek
Michele Pelletier
Christopher Hemingway
Julie Fredette
Jennifer van der Gaag
Kevin Buddell
Anne Hammond
Jorge Oliveria
Megan Zilkey
Thomas Davis
Chris Boerboom

Janis Drover
Francois Therrien
Michelle Donherty
Jeffrey Ginn
M. Simon Riopel

Francois Labarre

Isaac Makosso
Robert Lamond
Andrea Kietzel
Christopher MacDougall
Jason Goulden
Tannis Sharp
Debra Ruth Kendall
Corwin Sullivan
Jeffrey Werner
Jeffrey Kiernan
Jeffrey Lonnee

This year's request for candidates was highly successful, with responses from all but one of the universities contacted. We hope to expand the award to include Simon Fraser University next year, as they have recently added an earth science programme to their curriculum. I'd particularly like to thank the contact professors at each of the universities for making this possible. I would also like to thank Rose Kassamali for her superb clerical assistance, Sunita Sood for her excellent calligraphy and the staff at the CSPG office for helping this Committee's operations run so smoothly. On behalf of the CSPG, I would also like to extend thanks to PanCanadian Petroleum Limited for providing logistical support in the form of packaging and postal expenses.

This marks my third and last year as sole member/chairperson of this committee. Patrick Elliott (PanCanadian Petroleum Ltd.) will be assuming the role of chairperson for 1997. As a former recipient of this award, I am sure Patrick will do a fine job.

J.B. WEBB MEMORIAL TROPHY & CSPG TROPHY (Keith Bottrill, Chairperson)

The Canadian Society of Petroleum Geologists offers an award for the best student presentation at each of the Inter-University Geological Conferences across Canada. The best student presenter at each conference is given a gift certificate for \$100 which can be applied to CSPG

publications of his/her choice. The Society also donates \$500.00 to the hosting University to help defray costs of these conferences, and a trophy to be awarded yearly to the award winners. The trophy is engraved with the winners' names and is kept at his/her University until the following year's conference.

The John B. Webb Memorial Trophy is presented for the best student paper presented at the Western Inter-University Geological Conference. The 1996 conference was held at Brandon University in January and the winner was Jason Lavigne from the University of Alberta for his talk titled, "An excavation of a Hadrosaur (Ornithischia) Bonebed from the Horseshoe Canyon Formation (Early Maastichtian) near Drumheller, Alberta".

The CSPG Trophy is presented for the best student presentation at the Atlantic University Geological Conference (A.U.G.C.), which in 1996 was hosted by the University of New Brunswick. The recipient of this year's trophy was Janis Drover of Memorial University for her talk entitled, "Imaging of sedimentary basins and salt movement in an active convergent margin, Eastern Mediterranean".

The Western Inter-University Geological Conference will be hosted by the University of Saskatchewan in January 1997. The Atlantic University Conference will be held in October of 1997.

HONORARY MEMBERSHIP COMMITTEE (N.J. McMillan, Chairperson; Ashton F. Embry, E.E. (Ned) Gilbert)

Honorary membership in the CSPG is awarded by the Executive Committee on the recommendation of the Honorary Membership Committee. Nominations for Honorary Membership are received from the CSPG membership at large throughout the year.

Eight nominations were considered by the committee and the CSPG Executive. James E. Christopher was selected as Honorary Member for his life's work on the Mesozoic of Saskatchewan. A second Honorary Member was selected - L.V. Hills for his popularization of geology, his dedication to his students and his widespread activities on many CSPG Committees.

The CSPG now has 48 Honorary Members. No changes in the committee are anticipated for 1996-97.

TRACKS AWARDS (Shawna Christensen, Awards Co-ordinator; Gerry Reinson)

Tracks awards are presented to members or friends of the CSPG who have made outstanding contributions to the Society through committee or other work. The following people were selected for the 1996 Tracks Awards:

- Stephen Greer - Graduate Thesis Committee, 13 years.

- Peter Harrington - Chairperson, Publication Sales since 1993, Organizing Committee Pools '96
- David James - Organizer 1994 Mannville Conference.
- Don Keith - Organizing Committee Pool's 96; Graduate Thesis Committee and Co-Chairperson Technical Luncheon Committee
- Paul Mackay - Chairperson, Editorial Committee, Triangle Zone Bulletin; Field Trip Leader; Chairperson of the 1994 Structure Division; 1994 Convention Session Co-ordinator.
- Rob MacFarlane - Past Chairperson, Honorary Address Committee.
- George Pemberton - Organizer 1994 Mannville Conference.
- James Reimer - Chairperson, Hydrogeology Division and 1995 - 1996 Field Trips.
- Daryl Wightman - Organizer 1994 Mannville Conference.

SERVICE AWARDS (Shawna Christensen, Awards Co-ordinator; Gerry Reinson)

Service awards are given to member or friends of the CSPG who have contributed to the welfare of the Society through committee or other volunteer work. Service Awards were made to the following people in 1996:

- Mark Birchard - Organizing Committee Pools '96
- Eric Bogoslawski - Organizing Committee Pools '96
- Simon Brame - Organizing Committee Pools '96
- Dale Cedarwall - Steering Committee CSPG Advantage Program
- Andre Chow - Graduate Thesis Awards Committee
- Roland Dechesne - Editorial Committee, Triangle Zone Bulletin
- Ray Featherstone - Reservoir Co-Editor
- Scott Gardiner - Organizing Committee Pools '96
- Tony Hamblin - Graduate Thesis Awards Committee
- Martin Hewitt - Organizing Committee Pools '96
- Jana King - Continuing Education Committee
- Thomas Kubli - Editorial Committee, Triangle Zone Bulletin; Chairperson Structure Division, 1994; Convention Session Co-ordinator.
- Michael Laberge - Steering Committee CSPG Advantage Program
- Bob Lee - Chairperson, Squash Committee
- Suzan Moore - Continuing Education Committee
- Brian Moss - CSPG Advantage Program
- Andre Newson - Editorial Committee, Triangle Zone Bulletin; Co-Chairperson Structure Luncheon Talks.
- Kirk Osadetz - Organizing Committee Pools '96
- John Ostrom - Organizing Committee Pools '96
- Kevin Polan - Membership Committee
- Cynthia Riediger - Steering Committee CSPG Advantage Program
- Jeff Reid - Editorial Committee, Triangle Zone

- Bulletin; Co-Chairperson, Structure Division.
- Phil Roulston - Honorary Address Committee
- Greg Soule - Student Industry Field Trip
- John Varsek -, Editorial Committee, Triangle Zone Bulletin
- John Weissenberger - Organizing Committee Pools '96
- Matt Woofter - Organizing Committee Pools'96

VOLUNTEER AWARDS (Shawna Christensen, Awards Co-ordinator; Gerry Reinson)

Every year the CSPG recognizes those members or friends who have demonstrated significant service to the Society. Volunteer awards consisting of a certificate of achievement, have been awarded to the following individuals:

- John Corkery - Past Work on Sedimentology Display Committee
- Eva Drivet - Continuing Education Committee
- Les Eliuk - Past Work on Sedimentology Display Committee
- Sherman Hirowatari - Honorary Address Committee
- Gord McLean - Continuing Education Committee
- George Pastirik - Past Work on Sedimentology Display Committee
- Ken Potma - Past Work on Sedimentology Display Committee
- Brian Pratt - Past Work on Sedimentology Display Committee
- Malcolm Simpson - Past Work on Sedimentology Display Committee
- Kevin Stromquist - Past Work on Sedimentology Display Committee
- Nigel Watts - Past Work on Sedimentology Display Committee

STANLEY SLIPPER GOLD MEDAL (Alice Payne, Chairperson; Neil Hutton, John Hogg, Ed Wright)

Don Axford is the 1996 winner of the Stanley Slipper Gold Medal. This award was established in 1989 and honours an individual who has made an outstanding contribution to petroleum exploration. This contribution can encompass one or more of a number of activities related to petroleum exploration. Such activities include initiating and/or leading exploration programs, development of exploration concepts, teaching and/or training of explorationists, and involvement and leadership in professional societies and organizations. The Gold Medal was designed by Calgary sculptor, Bib Stowell and has been cast by Birks.

SCIENTIFIC PROGRAMS

ONE DAY FIELD TRIP COMMITTEE (Brad Maynes, Chairperson; Dean Williams, Treasurer; Dave Bonnar)

Nineteen ninety-six was a very successful year for the committee with four trips run to various locales. The Mount Stephen Trilobite Beds proved to be a continuing popular destination for the early summer field trip. Des Collins suffered a fall-related injury just prior to the trip, but his assistants were great replacements. We wish Des a speedy recovery and hope to see him again next year. The three Fall trips were: the Ice River Complex in southwest Yoho Park, led by Brad Maynes, Dinosaur Provincial Park led by Dave Eberth, and the Highwood Pass Mississippian Trip led by Richard Bradley. All were well attended and the Committee would like to thank all our participants and leaders. Nineteen ninety-seven promises to be another exciting year and the members are encouraged to call the Committee with their own field trip ideas which they would like to see run. Nineteen ninety-six was the last year for Brad Maynes on the committee, ending six years of service. Dean Williams (Beau Canada) will be taking over as the new chairperson for 1997 and Dave Bonnar (Rife) will also be returning. The Committee would like to welcome Joan Hamilton (Elan) and Wayne Braunberger (Amoco) as new members.

TECHNICAL PROGRAM COMMITTEE (Kirk Osadetz, June Barker and Colleen Sherry, Co-Chairs; Peter Hannigan, James Thompson, Kelly Skuce, Daniel Lebel and Glen Stockmal, Projectionists)

The Technical Program Committee hosted 19 talks in 1996. Talks covered a wide range of topics dealing with both Canadian and international petroleum related issues. Presentations and attendance were as follows in 1996:

- Jan 9, Sean O'Connell, Belfield Resources, Calgary, attendance 692, "The influence of the foredeep on lower Mannville deposition systems tracts; the Bluesky and Gething formations of Northwestern Alberta and Northeastern British Columbia"
- Jan. 23, Gerald Ross, GSC Calgary and David Eaton and Bernd Milkereit, GSC Ottawa, attendance 602, "Precambrian orogeny and Phanerozoic in-plane stress: testing the basement reactivation model in western Canada"
- Feb. 13, Henry Cohen, Scotia McLeod, Toronto, attendance 552, "The future of gas markets in western Canada"
- Feb. 27 Michael Whitar, University of Victoria, GAC Past Presidents' Medallist Presentation, attendance 474, "Exploration and exploitation geochemistry: the next five years"
- Mar. 12 Dr. Laura Crossey, University of New Mexico, AAPG Dist. Lecturer, attendance 607, "Early cementation of sandstones: reflections of cyclic sedimentary processes"
- Mar. 26 Dr. Claudia Schroder-Adams, Carleton University, Ottawa, Dale Leckie, GSC, Calgary and

- John Bloch, Sceau Modus, Albuquerque, N.M., attendance 711, "Hydrocarbon potential of the Second White Specks Formation and adjacent strata: A multi-disciplinary approach to basin analysis"
- Apr. 9 Dr. Robertson Hanford, Consultant, Denver, Colorado, AAPG Distinguished Lecturer, attendance 595, "Recognition of lowstand wedges, paleokarst reservoirs and drownings - insights from seismic modelling and outcrop studies"
 - Apr. 23 Tom Boreen, Anderson Exploration, Calgary and Bill Martindale Rhomb Carbonate Consulting, Calgary, attendance 597, "Australian cool water carbonates: analogues for Mississippian, Permian and Triassic sediments of the Western Canada Sedimentary Basin"
 - May 14 Greg Lynch, Centre Geoscientific du Quebec, attendance 489, "Devonian orogenic collapse and detached carboniferous evaporites of the Maritimes Basin, Atlantic Canada"
 - May 28 Dale Leckie, GSC: Calgary, attendance 635, "Field work in the foothills points to a possible new exploration play: gas, oil and gold potential of an igneous-pebble conglomerate in the Blairmore Group"
 - June 11 Louise Quinn, Brandon University, Brandon, attendance 428, "Siliciclastic fill in a foreland basin: the western Newfoundland/Anticosti foreland basin"
 - June 20 R. Mohan Shirvastava, FSS International, Vancouver, Joint SPE/CSPG meeting, attendance 470, "The application of dynamic animation as a means of visualizing spatial uncertainty to oilfield development using horizontal wells"
 - Sept. 10 Larry Lane, GSC, Calgary, attendance 378, "Late Cretaceous and Tertiary evolution of the northern Yukon region"
 - Sept. 24 Kausch Rahkit and Dan Barson, Rakhit Petroleum Consulting Ltd. and Hugh Abercrombie, GSC, Calgary, attendance 634, "Hydrogeological Framework of the Western Canada Sedimentary Basin: sinks, seals and pipelines"
 - Oct. 8 Paul MacKay, Morrison Petroleum, John Varsek, Amoco Petroleum Co. and others, attendance 489, "Exploring 'Tectonic Wedges and Triangle Zones': An overview of the CSPG Bulletin special issue"
 - Oct. 29 Grant Mossop, GSC, Calgary, attendance 552, "Regional mapping and research in Canada's sedimentary basins: current status and future focus"
 - Nov 12 Jim Podruski, Consultant, Calgary and Gustavo Echevarria Rodriguez, Macdonald Oil Exploration, attendance 447, "Geologic setting and petroleum potential of eastern Cuba"
 - Nov 26 Denis Lavoie, Centre Geoscientific du Quebec, attendance 288, "Along strike evolution of the Cambrian-Ordovician continental Margin from southern Quebec to Newfoundland: The importance of reentrants and promontories for the tectonosedimentary history of continental margins"
 - Dec. 10 Ian DeLong, PanCanadian and James Dobson, Crestar, attendance 475, "The COPAN Project: Canada's first major offshore oil project"
- In total the 19 presentations attracted more than 10,115 members and friends. The average attendance of 532 is down significantly from the average of 644 in 1995, making declining attendance the most significant issue to be addressed by the Committee. The decline in attendance since 1991, when average attendance was 856 per meeting has been 38%. The current 17% reduction in attendance in 1996, compared to 1995, represents an unfortunate reverse in the stabilization to slight increase in attendance seen in the interval 1993-1995. The current decline was widespread and affected even the most popular of topics. The best attended talk in 1996 (March 26th, 1996; 711) drew a 24% smaller audience than the best attended talk in 1995 (Feb. 28, 1995; 942). Mannville and Colorado Group presentations continue to be among the best attended topics (January 9th, March 26th, and May 28th). However even these popular topics were significantly less well attended in 1996 than in 1995. For example, a Mannville Group presentation on January 24th, 1995 drew an audience of 876, while a talk on another Mannville Group topic, by the same presenter on May 28th, 1996, drew an audience of 635, for a 27% reduction in attendance. In contrast, attendance at presentations by AAPG distinguished lecturers showed only a 13% reduction in 1996.
- The Committee also staged a joint meeting with Society of Petroleum Engineers (June 20th) and experimented with a new venue, the Metropolitan Centre (November 26th). Conflict with the Annual Core Conference and poor support from the SPE membership detracted from attendance at the June 20th meeting, while the November 26th experience pointed out a need for revised ticket distribution policies when using alternative venues.
- Reasons for the attendance decrease are manifold. Among factors contributing to the decrease are: fewer company-purchased tickets and ticket sellers, an increased ticket price, increased competition for members time and attention, and composition of the technical program. There are now only 42 company-based ticket sellers, with additional tickets being sold through the office. More and more individuals must buy tickets out of their own funds without corporate reimbursement. This has resulted in much less predictability in ticket sales, as shown by the attendance records. The Technical Program Committee attempts to provide the Technical Program to the Membership at cost. Ticket prices were raised 6% this year to account for increased meal costs. It was the first increase in three years. The new price is 16.50 plus G.S.T. The revenue from ticket sales (\$16.50

per ticket) is actually slightly less than the cost of the lunch itself (\$17.21 for meal and gratuity alone, G.S.T. included), does not account for printing, staging and administrative costs associated with each luncheon. The significant number of "no shows" at each luncheon provides an effective subsidy on ticket prices and allows the Committee to keep ticket prices lower than actual cost. Since the percentage of no-shows is roughly constant regardless of audience size the profit on each lunch increases as the attendance goes up.

There can be little doubt that members are busier and less willing to attend talks not directly relevant to their day to day work activities. The statistics above suggest that program composition is not the primary cause of reduced attendance. Rather it would appear that competition for time in busy schedules, fewer corporate purchases of tickets, and price increases are the important factors in the decline in attendance. The same factors affect the recruiting of speakers with even greater impact, especially for presentations pertaining to the Western Canada Sedimentary Basin. This presents a dilemma for the Committee, who are charged with the responsibility of providing a relevant, but broad-based scientific program. It is becoming increasingly difficult to recruit presentations on Western Canadian topics because of a lack of industry support with respect to preparation, and permission to share information. This has resulted in fewer presentations on the topics of greatest interest to our membership and thus a predictable decline in attendance. A similar problem affected the Bulletin approximately ten years ago. Industry contributions to that publication have never recovered, and, unfortunately, it may be that the Technical Program faces a similar permanent decline in industry participation. A continuation of this trend would be most unfortunate, but may be unavoidable, without renewed industry support at the Technical presentation level.

Regardless of these declines and adversities the Technical Program remains a valuable and vital part of the program of our Society. The intention of the Committee is to deliver the best available program at the lowest possible cost to members. Plans for 1997 include an increase in the number of AAPG distinguished lecturers, along with a strong representation of talks from the Western Canada Sedimentary Basin.

Considering current workplace pressures, the Committee thanks all of its presenters in 1996, but especially those private-sector and company members for whom the preparation and presentation of their talks required a special sacrifice of their time and effort. On behalf of the Society, the Committee thanks those members who continue to show support for the Technical Program by purchasing tickets and attending the luncheons. Sincere thanks are also due to the Division Chairpersons for their suggestions of fine presenters,

and to the Directors who chair each meeting. The Committee is tirelessly supported and assisted by the office staff, particularly Jaimè Croft-Ramos, Deanna Watkins and Tim Howard, who do a fine job of distributing and accounting for ticket sales.

HONORARY ADDRESS (Greg Jones, Rob MacFarlane, Co-chairmen; Cathy Strange, Treasurer; Phil Roulston, Secretary; Sherman Hirowatari, Elizabeth O'Neill, Tim Bird, Rob Langill, Barb Rypien)

The Honorary Address is an annual public event presented by a prominent member of the scientific community and sponsored by the CSPG to promote the field of science. The Address held on October 29th at the Jubilee Auditorium with 2100 attendees, was again scheduled to coincide as closely as possible with National Science & Technology Week.

Emory Kristof, a photographer for the National Geographic Society for over 30 years, presented his lecture entitled "Shipwrecks and Seamonsters". Most of Mr. Kristof's career has been spent prowling the depths of the world's oceans and deep lakes with submersibles and remotely -operated robots. Most of his quests have focused on deep shipwrecks, such as the Titanic and on little known animals of the Abyss. He presented a 3D tour of the Titanic, a deep sea dive to a Black Smoker, a look at Giant Tube Worm Vents and a look at six-gill sharks. His shipwrecks also included the Edmund Fitzgerald and Hamilton/Scourge from the Great Lakes and a Spanish Galleon in the Philippines. The Honorary Address Committee took Emory Kristof to Western Canada High School for a one hour informal talk with a science class. He entertained students with tales of his fascinating career. Mr. Kristof was also interviewed on CFCN-TV at noon the previous day to promote the Honorary Address.

The committee relies on corporate sponsorship to help finance the annual address. This year's poster was designed by Husky Oil and printing was donated by McAra Printing. The Westin Hotel graciously provided accommodations for Mr. Kristof. Many thanks to the companies who generously provided financial support. These companies were:

**PETREL ROBERTSON
CANADIAN HUNTER EXPLORATION
RENAISSANCE ENERGY
RIGEL ENERGY CORPORATION
HUSKY OIL
PINNACLE RESOURCES
WAINOCO
HIGHRIDGE EXPLORATION
GIBSON PETROLEUM
KELMEN SEISMIC PROCESSING
SCLUMBERGER
M.J. SYSTEMS**

Committee members are to be congratulated for their dedicated work in making the 1996 Honorary Address a success. Continuing for 1997 are Greg Jones and Cathy Strange (Husky Oil), Elizabeth O'Neill (Samson), Tim Bird (MJ Systems), Rob Langill (Highridge Exploration, Barb Rypien (Rigel) and 5 new energetic volunteers. Retiring committee members are Rob MacFarlane (Pinnacle Resources), Phil Roulston (Talisman Energy) and Sherman Hirowatari (Wainoco Oil). The Committee thanks Rob, Phil and Sherman for all their contributions during their years on the Address Committee.

VISITING LECTURER COMMITTEE (Henry Klassen, Chairperson; Jane Rowat)

This committee is responsible for recruiting and making arrangements for lecturers and representatives of the CSPG to make their presentations to the Earth Science Departments of Canadian Universities. This committee strives to send a speaker to each university at least once every two years. This year the Visiting Petroleum Geologist Program was added to our activities in order to eliminate duplication of this committee's mandate. The Visiting Lecturer Committee will now be organizing tours for the Link Award winners as well as those of the Visiting Petroleum Geologist.

This year we organized three tours. James Reimer, our 1994 Link Award Winner, was unable to make his tour to the universities in Western Canada due to business commitments.

In November Dr. Dale Leckie, the 1995 Link Award Winner, toured the universities of Memorial, Dalhousie, Acadia, St. Francis Xavier and New Brunswick, speaking on "The Mannville Group of Southwestern Saskatchewan: New Maps, Perspectives and Potential." This paper was co-authored with Nancy A. Vanbeselaere and David P. James.

Lisa Griffith presented her paper "Optimization of Glauconitic Formation. 'O' and 'F' Pools, Countless Trend, Southern Alberta" at the universities of Brandon, Manitoba, Regina and Saskatchewan". In November Ms. Griffith presented this paper to the universities of Brock, McMaster, Western Ontario, Waterloo and Windsor. We thank Dr. Leckie and Ms. Griffith for their efforts. We also thank their respective employers, Geological Survey of Canada and PanCanadian Petroleum, for supporting their lecture tours.

For 1997 the Committee is currently organizing a tour for Dr. Dale Leckie to the universities of Alberta, British Columbia, Victoria, Manitoba and Brandon. Plans are to send the 1996 Link Award speaker to the universities of Brock, McMaster, Waterloo, Windsor and Western Ontario. Plans are also underway to send a Visiting Petroleum Geologist to Laval, McGill, Ottawa, Queen's

and Toronto in the spring of 1997 and Memorial, Dalhousie, Acadia, St. Francis Xavier and New Brunswick in the Fall of 1997.

Thank you to Jane Rowat for all her assistance this year. I also want to thank both the lecturers and the universities for their support and cooperation.

CONTINUING EDUCATION COMMITTEE AND CSPG ADVANTAGE PROGRAM (Charle Gamba, Chairperson; Francois Legault, Treasurer; Suzan Moore, Gord McLean, Ava Drivet, Mark Mallamo, Sherry Becker-Alway)

The 1996 Continuing Education program consisted of seven courses/workshops covering a wide range of topic:

April	CSPG/CWLS Joint Workshop, "Reservoir Quality of Low Permeability Carbonate Reservoirs"
April 23-24	N. Mungan, "Formation Damage"
May 7-8	A. Miall, "Fluvial Sedimentology"
Sept 18	L. West and G. Hyde, "Techniques of Profitability - Geological Risking Workshop"
Oct 29-30	N. Mungan, "Gas Reservoir Energy"
Nov 19-21	N. Wardlaw and B. MacNamara, "Reservoir Characterization"
Dec 3	Z. Berger, "Basement Control"

The 1996 CSPG Advantage Program consisted of two courses listed below. In 1997 the Advantage courses will be part of the Continuing Education program. This will strengthen the overall educational program available to our members.

March 27 - April 3	G. Davies et al, "Triassic of the Western Canada Sedimentary Basin"
Oct 16-22	G. Mossop et al, "Regional Geology and Exploration Models for the Western Canada Sedimentary Basin"

STRATIGRAPHIC NOMENCLATURE (Ashton Embry, Chairperson; Jim Barclay, Tim Marchant, Ed Niewinski, Tony Tankard, Ed Wright)

One paper was reviewed by the Committee in the past year and recommendations for improvement were provided to the authors.

SEDIMENTOLOGY DISPLAY COMMITTEE (Michael Breiteneder, Geoff Burrowes, co-Chairmen; Ben McKenzie)

The Committee is still working slowly to finish the display, "Carbonate Buildups of Canada Through Time". Four panels are ready for final drafting; the others are undergoing technical editing. It is hoped that this project will wrap up by mid-year.

CONFERENCES, CONVENTIONS, SEMINARS AND SYMPOSIA

POOLS '96, CSPG 1996 CONVENTION (John Hogg, General Chairman; Marty Hewitt, Finance; Don Keith, Simon Brame, Stephen Greer, Co-Chairman Technical Program; John Weissenberger, Short Courses; John Ostrom, Field Trips; Scott Gardiner, Poster Sessions; Kirk Osadetz, Core Conference; Peter Harrington, Exhibits; Eric Bogoslawski, Registration and Logistics; Mark Birchard, Printing and Publicity; Alice Payne, Sponsorship; Matt Woolfer, Entertainment)

The 1996 CSPG Convention, Pools '96, was a resounding success. This conference had many milestones. It was the first CSPG conference to "sole-source" over \$200,000 in profit for the CSPG, it was the first meeting that we had paid an individual, Catherine Garden, Pfang Creative, to coordinate all of our printing efforts, it was the first time that the CSPG had held the icebreaker in the Exhibits and MacLeod Halls, and it was our first conference dedicated solely to Oil and Gas pools of the Western Canada Sedimentary Basin.

Attendance at the conference totaled 2431 delegates which included 350 exhibitors and 100 students. The cost differential of \$50 difference between pre-conference registration and onsite registration helped the committee to have lower onsite registration than normal.

The oral and poster sessions, June 17th through June 20th, were very well attended and awards were given for the Best Oral Presentation to J. Hopkins, P. Cupido and P. Handcock for their presentation on "Recognition and Development of Reservoir Compartments within a Complex Valley-fill Succession, Medicine River Jurassic D Pool". The Andy Baillie Award for the Best Student Presentation was an oral presentation by R. Alway, T. Moslow and R. Evoy titled "Tectonic Influence on Fluvial Conglomerate Reservoir Facies, Bluesky Formation, Aitken Creek Field B.C." The Best Poster presentation was by T. Tankard, P. Aukes and K. Rakhit titled "Regional Framework of Basin Evolution in the Southern part of South America: A Methodology for Hydrocarbon Exploration and Exploitation"

The one day Core Conference was held on Thursday, June 20th. A total of 653 delegates attended the one day session. The extended abstract volume that was distributed to the delegates was very well received. The best presentation for the core conference went to B. Martindale, U. Erkmén, D. Metcalfe and T. Potts for their poster entitled "Geology of the Winnipegosis Buildups, Hitchcock Field, Southeast Saskatchewan".

Short Courses were quite well attended. Nine short courses were run and only one was canceled due to lack of registration. The majority of the eight courses that ran had over 75% participation. Field trips were also successful in that five trips were run and the participants enjoyed the trips.

Our sponsorship went very well. This subcommittee, charged with generating \$30,000 in sponsorship in order to pay for the Pools '96 binders, and was able to generate a total of \$76,200 for the conference. This helped our Organizing Committee to generate the substantial profit to the Society.

The other major generator of revenue for our committee was Exhibits. This subcommittee managed to completely sellout the exhibits hall, the first sole CSPG conference to sell out the exhibits hall and bringing in over \$100,000 in gross revenues for the committee.

Our luncheon was a sell-out with speaker J.P. Bryan, CEO of Gulf Canada Resources, who presented his vision on the past, present and future of the oil industry in Canada. The Monday evening icebreaker held in the Exhibits Hall and MacLeod C&D was a huge success. The delegates were able to move quickly from the afternoon talks directly into the icebreaker and they seemed to appreciate the entertainment and food being available quickly after the last talk of the day. The exhibitors felt that the hall should have been shut down a little earlier than 7:00 PM so that they could socialize with their clients at the icebreaker.

Some of our recommendations that have already been forwarded to the 1996 CSPG Executive are: 1) the Executive should consider having a CSPG member in charge of coordination of all discussions with the Calgary Convention Centre; 2) abstracts should not only be submitted as single page paper copies but should also include a digital copy so that reformatting, if necessary, is much quicker; 3) if poster sessions are to be held in the MacLeod Halls there is a need for additional lighting in order to have adequate displays; 4) the \$10.00 charge for lost badges should be clearly stated before the conference so that delegates are aware of the additional charges; 5) coffee and refreshments should be maintained within the exhibits hall for the delegates at future conventions; and 6) the Monday night icebreaker in the area around the Exhibits Hall and MacLeod Halls was quite successful and should be continued.

The ongoing work of the Pools '96 Organizing Committee was done over 22 months with approximately 24 meetings of the entire committee and numerous one-on-ones with various subcommittee chairpersons working together to complete specific tasks.

I cannot overemphasize the importance of all of the individual subcommittee chairpersons' efforts which directly effected success of this conference. I, as General Chairman of the conference, placed my trust in all of these individuals that their specific jobs would be done on time and on budget. In almost all cases, they were on time and came in under budget. The Subcommittee Chairs deserve our Society's thanks for their work over the last two years which led to the production of one of CSPG's most successful conferences.

SEDIMENTARY EVENTS - HYDROCARBON SYSTEMS, CSPG-SEPM 1997 JOINT CONVENTION

(Christian Viau, Jeff Packard, General Co-Chairpersons; Benoit Beauchamp, Tom Moslow, Technical Co-Chairpersons; Drue Robinson, Short Courses; Dave Eberth, Field Trips; Lawrence Bernstein, Poster Sessions; Bill Martindale, Jim Wood, Core Conference Co-Chairpersons; John Hopkins, Finance; Murray Nunns, Peter Putnam, Sponsorship; Jim Letourneau, Publicity; Rory Hankel, Printing/Editing; Peter Harrington, Exhibits; Jocelyn Keith, Registrations; Eileen Scott, Logistics/ Accommodations; Kevin Polan, Special Events; Tom Boreen, Secretary; Tim Howard, CSPG Logistics Liaison; Judy Tarpley, SEPM Logistics Liaison; Dale Leckie, SEPM Executive Liaison)

The CSPG-SEPM 1997 Joint Convention is planned for June 1 to 6, 1997. The week-long program has been designed to strongly appeal to geoscientists engaged in applied aspects of sedimentary geology for the petroleum or mining sectors, as well as those conducting research into the fundamentals of sedimentary processes and their deposits. The heart of the program will be complemented by an exciting array of pre- and post-convention field trips and short courses, along with special social and non-technical events providing ample opportunities for more informal dialogue and relaxation.

With a focus on **SEDIMENTARY EVENTS AND HYDROCARBON SYSTEMS** the program will be broadly organized along the lines of Sloss' cratonic megasequences to commemorate the 35th anniversary of their publication. Dr. Sloss instigated a revolution in stratigraphic thinking through his many publications and teachings over a lengthy and illustrious career, and it is from the work of Dr. Sloss and his students that sequence stratigraphy owes its birthright. In 1995 the organizing committee of the 1997 CSPG-SEPM Joint Convention had approached Dr. Sloss to act as the convention's Honourary Chairman. Characteristically, Dr. Sloss had enthusiastically accepted and offered his complete support of the project. On November 2, 1996, Dr. Laurence L. Sloss, Professor emeritus of Geological Sciences at Northwestern University, passed away unexpectedly. As part of the broader geological community, we mourn his passing and extend our sincere sympathies to his family, friends and colleagues. With regret Dr. Sloss will not be with us in Calgary, however, it is our intention to honour Larry and celebrate his achievements, at his convention.

The on-site technical program will cover 5 days and include a special 2-day core conference held at the Alberta Energy and Utilities Core Research Centre and the adjacent facilities of the Geological Survey of Canada. The convention venue will attract a healthy contribution of papers concerned with the petroleum geology of the Western Cratonic Margin and Foreland Basins of

Canada and the United States, but it is our desire to ensure that the conference is truly international in scope and covers the breadth of disciplines of interest to both CSPG and SEPM members. To this end, we have welcomed the participation of the Global Sedimentary Geology Program and the Geological Survey of Canada, members of which will be organizing several sessions.

The technical program is being organized with the help of some 50 session chairpersons on a wide range of thematic and topical sessions. The abstract deadline is February 1, 1997. Both oral and poster presentations will be arranged. At the end of each day, a two hour "Beer and Bull" sessions will be held in the poster hall to allow for more exchange of information and ideas. A special poster day will be held on Thursday and will include special contributions from the Geological Survey of Canada.

An exciting program of approximately thirty core displays from North America and beyond, ranging in age from the Ordovician to Recent, will complement the theme of the convention. The displays will include cores from giant international oil fields in Yemen and Mexico, the giant Hibernia oil field, offshore eastern Canada, recent western Canada discoveries in the Devonian Slave Point and Swan Hills formations and the Triassic Montney Formation and recent discoveries in the Williston Basin in the Mississippian Lodgepole Formation and the Ordovician Red River Formation. As well regional and pool studies from western Canada (Gilwood, Leduc, Nisku, Pekisko, Montney, Mannville and Viking Fms) and from the United States (Morrow, Shannon and Permian Fms.) will be presented. A number of displays will discuss the heavy oil sands in western Canada. Finally, recent core displays from the West Indies and the Fraser Delta in British Columbia will be included.

A diversified and rich choice of field trips and short courses will offer something for everybody. Ten pre-convention and nine post-convention field trips will be offered. They will include: 1) fractured carbonate reservoir at Savanna Creek, Alberta; 2) Mississippian cold and warm water carbonates; 3) Jurassic to modern evolution of fluvial landscape in the Western Canada Foreland Basin; 4) the Cardium Formation of Alberta; 5) the Triassic of Northeastern British Columbia; 6) Jurassic and Cretaceous outcrop equivalents of Shaunavon, Lower Mannville and Bow Island/Viking reservoirs, North-central Montana; 7) Alberta's oil sands; 8) stratigraphic interfaces and hydrocarbon charge in the Rocky Mountains; 9) Modern and Pleistocene estuary deposits of Willapa Bay, Washington; 10) structural style, sedimentology and fracture characterization of the Castle Reef Formation, Montana; 11) geology and exploration history of the Mississippian at Moose Mountain, Alberta Foothills; 12) the Belly River strata in Southern Alberta; 13) the Mississippian of central Montana; 14) the triangle

zone of southern Alberta; 15) the Shannon sandstone, Wyoming; 16) turbidite facies in the Front Ranges and Foothills of the Banff and Jasper areas; 17) the Moose Mountain detachment fold; 18) the stratigraphic sequences and hydrocarbon habitat of the Southern Foothills; and 19) the petroleum hydrogeology of a present-day regional unconformity.

Eight pre-convention and seven post-convention short courses will be offered. Topics including 1) sequence stratigraphy of Devonian and Mississippian carbonates; 2) hydrocarbon exploration and production of incised-Valley systems; 3) petroleum hydrogeology; 4) detection of basement structures and their relationship to hydrocarbon plays; 5) implication of sea level changes and cyclicity for reservoir in carbonate rocks; 6) tidal rhythmites; 7) turbidites; 8) 3D-seismic for geologists; 9) navigating the internet for the oil and gas industry; 10) interpretation of organic geochemical data; 11) applications of formation water geochemistry to reservoir evaluation; 12) hydrothermal dolomite reservoir facies; 13) production maximization through minimizing formation damage; 14) quantifying uncertainty and risk in oil and gas prospect evaluation have been selected to appeal to petroleum industry geoscientists. In addition, John Armentrout and Mobil are generously offering a course on sequence stratigraphy of prograding complexes, free of charge, for students only.

Special events will include an Alumni Round-up (Ice-breaker) in the late afternoon/early evening of the first day. On Tuesday evening a "Wild Australia and Night Sky" presentation will follow cocktails and snacks at the Science Centre. The CSPG-SEPM Awards Dinner will take place on Wednesday evening. The Convention Luncheon, on Thursday, will feature a presentation entitled "The Real Jurassic Park is in... Alberta" by Dr. Robert Bakker. World-renowned paleontologist and author of recent best seller Raptor Red, Dr. Bakker is famous for his passionate defense of dinosaurs as active, warm-blooded creatures rather than sluggish, swamp-dwelling behemoths. The convention will close on Friday afternoon with the Core Melt Down social at the AEUB. A companion program will include events and tours for spouses, as well as (for the first time) children.

An extensive monetary as well as in-kind contribution sponsorship program has been developed and presented to the local petroleum, service and investment industries, as well as selected major international petroleum companies.

The Exhibit or "Trade Show" is selling rapidly and we expect a sell-out of high quality and diversified exhibitors of interest to all geoscientists.

Accommodations ranging from "student housing" rooms at the University of Calgary (\$34-\$41/night) to "economy" (\$75-\$95/night) and "luxury" (\$104-\$190/night) rooms in the downtown core have been

arranged in cooperation with the Calgary Convention & Visitors Bureau.

Publicity has been, and continues to be a very important and demanding aspect of our effort. Notices and/or paid ads have been included in the CSPG Reservoir, SEPM Newsletter and AAPG Explorer. Our poster has been sent to a variety of academic, government, industry and professional organizations in North America and around the world. We have distributed information sheets and fridge magnet "freebies" to individuals at major conventions (CSPG, AAPG, GSA). We have a convention page on the world wide web which includes information from our first circular and soon our final circular. This includes an abstract form that can be returned electronically and should soon include a registration form. We have also made extensive use of electronic mail to members of both societies. Announcements at society luncheons are ongoing (CSPG, CSEG, SPE, CIM, CWLS).

Our First Circular was sent to CSPG members along with the Reservoir in November 1996. The SEPM November 1996 Newsletter sent to all SEPM members also included our first circular. Regrettably SEPM members did not receive the Newsletter until mid January 1997, causing problems and concerns with regards to our February 1, 1997 abstract deadline. The Final Circular will be sent to all CSPG and SEPM members in March 1997. The pre-registration deadline is set at April 22, 1997.

1998 CONVENTION COMMITTEE (Jim Reimer, Chairperson)

No report available.

PUBLIC SERVICE

STUDENT INDUSTRY FIELD TRIP (Tony Cadrin, Chairperson; Larry Strong, Treasurer; Shaun Alspach, Byron Bahnsen, June Barker, Al Carswell, Mike DesRoches, Paul Fejer, Andrew Fox, Tannis Gibson, Doug Hamilton, Denise Hodder, Catherine Huff, Bruce McFarlane, Grant Milner, Regan Palsgrove, Indraneel Raychaudhuri, Lisa Sack, Greg Soule, Brad Spence, Martin Teitz)

SIFT 1996 had an annual budget of \$42,615, of which \$36,732 was contributed by the CSPG Educational Trust Fund, with the remainder derived from student registration fees. All expenses for the trip totaled \$40,105, leaving a \$3349 surplus for 1997. Each university in Canada with an undergraduate program in earth sciences sends one student participant. This past year, 33 third-year undergraduate students in earth sciences or geological engineering attended.

SIFT was established in 1977 with a mandate of introducing the petroleum industry to some of the finest

undergraduate geoscience students from across the country. The study of petroleum geology and of geology of the Western Canada Sedimentary Basin was communicated to Canadian earth science students by means of lectures and field trips. SIFT 1996 was held from April 28th to May 11th. The trip involved a 4 day field excursion through the Rocky Mountains and a one day excursion to Dinosaur Provincial Park. An exploration game was conducted to allow the students to apply their new found knowledge in a practical business atmosphere. Many presentations by industry and university lecturers were interspersed between the field excursions and a tour of an active drilling rig.

A summer job program initiated in 1993 was continued in 1996, and was very successful with 5 students being placed in summer positions. Two were employed at Gulf Canada, while Ranger Oil, CS Resources and Serenpet each employed one student. On behalf of the SIFT students and Committee, I'd like to especially thank the companies that participated in our summer student employment programme. Any company interested in participating for 1997 is encouraged to contact Indraneel Raychaudhuri at PanCanadian.

The SIFT Committee would like to thank all the people and their employers who volunteered their time and knowledge to lead seminars and field trips. In particular, we would like to thank Brian Fisher, Peter Fermor, and Steve Herbert of Shell Canada, and Greg Soule of Amoco Canada for leading the Rocky Mountain field trip and Dave Eberth of the Royal Tyrrell Museum for leading the Dinosaur Provincial Park trip.

New committee members for 1996 included Shaun Alspach, Al Carswell, Denise Hodder, Catherine Huff and Lisa Sack. Plans for the 1997 SIFT are already underway. Indraneel Raychaudhuri will take over from Tony Cadrin as Chairperson, and it is anticipated that Larry Strong will continue as Treasurer. The Committee looks forward to running another successful trip to mark the 20th Anniversary of SIFT in 1997.

MANPOWER SURVEY (Keith Deutsch, Chairperson)

The 1996 version of the annual CSPG Manpower Survey was recently completed. The results are being tabulated, and indicate that the apparent hiring boom in the oil patch is indeed reflected in the survey responses received. The number of geologists being hired by the business community is a substantial percentage of the total number of geologists working in the industry. In some cases, companies are having to replace over half their staff due to losses of employees to other companies. These results are very interesting and will be published in an upcoming copy of the CSPG Reservoir. The CSPG Manpower Committee would like to sincerely thank all of the companies who have responded to our survey in the past year.

EDUCATIONAL TRUST FUND (Des Smith, Chairperson; Ed Wright, Ric Sebastian, Rick Young, Don Axford, Ian Hutcheon, Christian Viau, Peter Putnam)

The Educational Trust Fund was created to provide stable and long term financing for the Student Industry Field Trip. Since its initiation in 1977 the Fund has grown in scope to provide for the funding of the Outreach Educational activities of the Society. This means that we financially support those petroleum geological educational activities of our Society that pertain to the public at large and to those other institutions and bodies that promote petroleum geology to the Canadian population. Our support in 1996 included the Field B.C. Museum, the B.C. Colleges, the Ore Gange, the B.C. Department of Energy displays, the University of Calgary Core Project and of course, SIFT. These expenditures amounted to \$54,732.

Funding for these activities is generated from the annual interest realized from the pool of capital generated from tax deductible donations of the membership, corporate and individual, and from specific donations from the Society's annual surplus. The ETF capital balance as of October 31, 1996 is \$785,255.70.

The Trust is managed independently from the Society's general financial accounts by a group of dedicated Society members who are committed to the objectives of the Trust and perform their duties under the guidelines established by Revenue Canada. This year's trustees are; N. Desmond Smith, Chairman, Ed Wright, Ric Sebastian, Rick Young, Don Axford, Ian Hutcheon, Christian Viau and Peter Putnam.

The continued demands for educational support by the Canadian community and the decrease in interest income has caused the Trust to review its source of funding. In this regard the Fund was embarked on an evaluation of its relationship with the Society and reorganization of its mandate. In 1997 we shall be initiating a review of investment opportunities, keeping in mind our fiscally conservative nature, and initiating a new directive for raising capital that is tax effective for donors and beneficial to the Trust. This new fundraising activity will focus on the increasingly popular "planned giving" mechanism of Revenue Canada that replaces direct governmental funding experienced in the past. The Trust will be launching an effort in this regard in early 1997.

The 1997 budget will continue to support those programmes it has supported in the past and, if possible, increase our involvement in the geological community. Our current plans have established support to the tune of \$66,000.

CSPG ON-LINE COMMITTEE (Glenn Karlen, Committee Chairperson)

During 1996, no activities were undertaken outside of the onerous task of maintaining and keeping current the

CSPG Website (www.cspg.org). The time commitment required to keep the site current was too much to allow for any other On-Line committee work. A summary of the activities performed for the website are as follows:

- monthly highlights from the CSPG Reservoir uploaded to the site
- creation, maintenance and update of the Pool's '96 website
- quarterly updates of the CSPG Bulletin
- creation, maintenance and update of the 1997 CSPG-SEPM website
- updates to the on-line publication catalogue
- updates and currency in the petroleum internet links.

In order for the committee to focus on other On-Line issues, Enernet Technologies Inc, a third party vendor, was selected to carry-on with the main tasks of updating and maintaining the currency of the CSPG Website with editing and approval by the On-Line committee. This company was also selected for the future upgrading of the CSPG website to allow for a wish-list of Internet services including such things as indexed searches of publication titles to CSPG-focused discussion forums. Creating the on-line versions of the November and December Reservoir plus the September and December Bulletin in the same format as in the past was the first order of work for Enernet.

For 1997, we will see a revision to our CSPG website, a focus on improving its usefulness to our membership, and a return to looking at other On-Line issues within our Society.

ARCHIVES AND HISTORY COMMITTEE (Jack Porter, Chairperson)

No report available.

DIVISIONS

BASIN ANALYSIS DIVISION (Annemone Altebaeumer, Chairperson)

No report available.

STRUCTURAL GEOLOGY DIVISION (Greg Soule, Chairperson)

This past year has been very productive for the Structural Geology Division. In 1996 the Division hosted two successful field trips and two technical presentation series. As indicated in last year's report, a Special Issue of the Bulletin of Canadian of Petroleum Geology was published in June 1996 on the subject of triangle zones. Our speakers and authors are thanked for their stimulating contributions. Interest has remained strong in the Division activities and a core group remains active. Both the technical presentation series and a field trip are expected to continue in 1997. Because the Division has no budget, the high level of activity is made possible

through our volunteers and the financial and logistical support of the organizations listed at the end of this report.

The lunch hour presentation series was supported by Mobil Oil and Amoco Canada who provided the facilities and by the C&G Labs who supplied pastries. Our Division lunch hour talks will be moving to the common CSPG facility at Fifth Avenue Place, financed by the Society, in order to resolve the attendance problems due to changing locations. The Geological Survey of Canada/ISPG, through Larry Lane, continues to provide their boardroom for our evening presentations.

Evening technical series for 1996 included:

- | | |
|--------|---|
| Jan 8 | Andrew Newson, Moose Oils; John Pierce, JEDCO; Maks Posavec, Demo-Frac; Byron Veilleux, Imperial; Paul MacKay, Morrison Petroleum; Deborah Spran, University of Calgary; Steve Hiebert, Shell; Leslie Reid, University of Calgary; Jeff Nazarchuk, Norcen Energy; Third Annual Structure Group Slide Night - "Visualizing Structural Geology and Pretty Pictures" |
| Feb 13 | Maks Posavec, Demo-Frac |
| Mar 11 | Rob Scammel, Amoco Canada; "Dynamic Spreading during Mid-Cretaceous Convergence in the Southern Omineca Belt: Evidence from the former Middle Crust" |
| Apr 15 | Paul MacKay, Morrison Petroleum; Oscar Jansen Phillips Petroleum; "Frontal wedge structures in the Flatbed Creek Area, northeast British Columbia" |
| May 13 | Ian Moxon, Amoco Canada; "Tectonics, sedimentation and petroleum geology of the San Joaquin-Sacramento Basin, California" |
| Nov 18 | Dave Klepacki, PanCanadian Petroleum; Andrew Newson, Moose Oils |
| Dec 9 | William Jamison, "The Upper Crust; Variations in deformational characteristics across Mount Bertha Anticline as a function of lithology and stress state" |

Lunch hour series for 1996 included:

- | | |
|--------|--|
| Jan 11 | Henry Lyatsky, Lyatsky Geoscience; "Lineament Analysis of potential field data in the studies of basement structure" |
| Feb 12 | Terry Joubert, Amoco Canada; "Folding and fracturing in Triassic Carbonates in northeast British Columbia" |
| Mar 14 | Willem Langenberg, Alberta Geological Survey; "Styles of deformation at the surface in central Alberta: What do they tell us about the subsurface" |
| Apr 17 | Thomas Kubli, TEK Consulting; Ian Bell, Mobil Oil; Paul MacKay, Morrison Petroleum; "A |

- fractured carbonate reservoir in a complex structural setting"
- May 15 Darcie Greggs, Hillspring Consulting; "As the world turns...the structural pattern of the Western Canada Sedimentary Basin"
- May 21 Genrich Vartanyan, All Russian Institute of Hydrogeology and Engineering Geology; "The technology of short term prediction of earthquakes on the basis of hydrodynamic field monitoring"
- June 12 Eric Pearson, University of Calgary; "2-D seismic imaging of Foothills Structures: Insight through 3-D numeric modeling"
- Sept 18 Maks Posavec, Demo-Frac; "Significance of slickensides and minor faults in tectonism within the Western Canada Sedimentary province"
- Nov 18 Mark Cooper, PanCanadian Petroleum; "The strain of working in the Irish Variscan"

Field trips for 1996:

- On a picture-perfect day, June 8, Paul MacKay of Morrison Petroleum led an intrepid group up Thunder Mountain in the Livingstone Range. The long, steep climb up through the Mississippian Stratigraphy afforded time to view and discuss fracturing and frontal thrust structures. The spectacular view from the top encompassed Chief Mountain, drilling rigs in the Crowsnest Pass and Savanna Creek, the Porcupine Hills and Moose Mountain. Thanks go to Clint Tippett and Shell Canada, Elizabeth Clark and Mobil Oil Canada and Greg Soule and Amoco Canada, for driving and covering the van costs.
- The second annual field trip was led by Willem Langenberg of the Alberta Geological Survey and Terry Oatway of Cardinal River Coals to the Cardinal River Coal Mine. Participants spent the night of Friday, September 13 in Hinton and visited the mine on Saturday. A tour and discussion of the excellent three-dimensional exposures of folds in the Blairmore sandstones and coals was followed by a climb to the exposed front range Nikanassin Thrust surface. Thanks to John Varsek and Amoco Canada, Steve Hibbert and Shell Canada and Paul MacKay and Morrison Petroleum for driving and paying the trip costs.

This year also saw the publication of the "Triangle Zone" special volume as the June 1996 issue of the Bulletin of Canadian of Petroleum Geology. This volume is the result of a lot of hard work by the editorial committee; Paul MacKay (Morrison Petroleum), Roland Dechesne (Consultant), Thomas Kubli (TEK), Andrew Newson (Moose), Jeff Reid (Suncor) and John Varsek (Amoco). The volume grew out of a special session at the 1994 CSPG-CSEG Joint Convention, "Geology of Triangle Zones: Geometry, Kinematics and Mechanics".

For 1997 Normand Begin (Talisman Energy) will take over as Chair of the Structural Geology Division, responsible for the overall leadership, evening presentations, annual field trip and liaison with the CSPG Executive. Elizabeth Clark (Mobil Oil Canada) will be coordinating the lunch time program.

Our thanks go out to the following companies for their continued support:

ALBERTA GEOLOGICAL SURVEY
AMOCO CANADA LTD.
C&G LABS
CARDINAL RIVER COALS LTD.
ISPG
MOBIL OIL CANADA LTD.
MORRISON PETROLEUMS LTD.
SHELL CANADA LTD.

SEDIMENTOLOGY DIVISION (Paul Fejer, Chairperson)

The Division continued its monthly lecture program at noon, courtesy of Norcen Energy who provided the meeting room and projection facilities. Geostones, managed by Stephan Ancil, has continued to generously donate gifts to be presented to the Sedimentology Division speakers. Due to Norcen's move, talks were suspended for the fall session until a new venue was found. Talks will commence in January, 1997 at 425 - 1st Street S.W. (16th floor).

Six meetings were held in 1996. Average attendance over the six talks was 50, but varied from 10 to over 100, depending on the topic being presented. The speakers and talks were as follows:

- Dec. 12 Leslie Eliuk (Shell Canada Ltd.) "Big bivalves, algae, and reefs: a short Canadian survey with examples from Alberta Devonian subcrop/outcrop and Nova-Scotia Jurassic-Cretaceous offshore."
- Jan. 30 Rudy Strobl (Newport Petroleum Corporation) "Diagnostic criteria for distinguishing the middle Jurassic-Cretaceous offshore."
- Feb. 21 Karen Patey, "Facies, stratigraphy, and diagenesis of Upper Devonian carbonates in the Obed area, west-central Alberta."
- Mar. 20 Dr. Ashton Embry (GSC - Calgary) "Middle Triassic sequence boundaries, characteristics, correlation and origin."
- May 9 Brent Wignall (Shell Resources) "The influence of changing sea level on sedimentology and diagenetic architecture of Tertiary carbonates on Grand Cayman."
- June 19 Lyndon Miller, "Rift-related depositional systems of the Dampier Sub-basin, North West Shelf, Australia."

A similar format is planned for 1997 with the possible addition of a field trip. Changes in the committee are undetermined at this time.

ENVIRONMENTAL GEOLOGY DIVISION (Paul Whitby, Chairperson; Fons Dekker, Treasurer; John Cox, Talks; Darcie Greggs, Publicity; George Eynon, Executive Liaison; John Korec, ESAA Liaison; Alan Ingleson, Dave Elliott, Ed Matheson, Jack Century, John Wonfor, Stephen Howell)

The Environmental Geology Division completed its seventh year of activities in 1996. The following technical program and activities were held:

- Feb 8 Richard Dawson, "Environmental Problem Solving: case studies integrating geological and engineering methods"
- April 18 Ron Wallace, "Increasing returns through management of environmental tasks"
- June 16-20 Technical program session; CSPG Annual Convention, Calgary Convention Centre
- Sept 11 Jack Century, "The Winnipeg Pipeline Explosion; A Geoscience Trigger"
- Oct 17 Dave Reynolds, "Redevelopment of decommissioned service stations: a ground water perspective" (Joint meeting held with the Hydrogeology Division)
- Nov 27 Gord Brown, "Risk assessment of the remediation of the Okotoks Gas Plant"
- Dec 11 Christmas Social, held at Buchanan's Restaurant and Bar

Fons Dekker and Jack Century have decided to move on to bigger and better things. Both have contributed immensely to the activities of the Division over the years and will be missed. Jack in his dual roles both as past chairperson and co-founder has done more than most in promoting the aims of the Division. He will be especially remembered for his boundless enthusiasm. This was especially important in the early years of the Division when audiences were a tad skeptical and reluctant to "buy-in".

HYDROGEOLOGY DIVISION (Jim Reimer, Chairperson; Dan Barson, Treasurer; Steve Burnie, Facilities Coordinator; Jim Unterschultz, I.A.H. Liaison; Jim Letourneau, Past Chairman)

Each year the Hydrogeology Division hosts a series of informal noon-hour technical presentations. These are normally held on the second or third Thursday of each month. During 1996 eight lectures were presented:

- Jan 18 Kent Wilkinson, University of Alberta and Home Oil; "Hydrogeology of the foothills and deep Paleozoic, Alberta basin"
- Feb 15 Henning Lies, Jim Letourneau, Hydro Petroleum Canada Ltd; "The effect of multiple fluid phases on hydrogeological interpretations"

- March 21 Sebastien Bell, Geological Survey of Canada; "Subsurface stress, fluid pressures and fluid flow, with Western Canada examples"
- April 18 Stefan Bachu, Alberta Geological Survey; "A new conceptual model of formation water and hydrocarbon flow in the Alberta basin"
- May 9 Ian Hutcheon, University of Calgary; "Thermal sulphate reduction: Evidence against regional flow"
- Oct 17 Dave Reynolds, City of Calgary; "Re-development of decommissioned service stations: A groundwater perspective"
- Nov 20 Phil Esslinger, Dave Hume, Rakhit Petroleum and Kirk Ozadetz, Geological Survey of Canada; "Geochemical and Hydrogeologic factors effecting oil quality and distribution in the Banff Fm, Cherill-Majeau Lake Area, west-central Alberta"
- Dec 11 Eric Dahlberg, ECD Geological Specialists; "Hydrodynamics enhances reserves in the Kome, Bolobo and Maiandoum Oil Fields in the Doba Basin, Chad, Africa"

All talks through May were held in the Superior Room, Mobil Oil Canada Tower. The Hydrogeology Division thanks Mobil for its continued support. The October talk was held jointly with the Environmental Division, and the December talk with the International Division.

The Division organized a half-day oral session for the 1996 CSPG Convention: Pool 96. The oral session was co-chaired by Dan Barson and Stefan Bachu and featured 7 talks covering a wide range of petroleum hydrogeology topics. These topics included:

- S. Bachu and B. Hitchon, "Oil and Gas Pools in the Northern Alberta Basin in relation to regional scale hydrogeology"
- D. Barson, K. Rakhit and R.M. Pockar, "Production drawdown effects in the Slave Point 'A' Pool, Clarke Lake, N.E. British Columbia"
- S. Burnie, "Flushing of a major Keg River Bank Margin Oil Pool in the Senex River Area, Alberta"
- J. Unterschultz, S. Anfort and G. Masson, "Pressure systems of the Cranberry Area Pools in the Slave Point Formation in relation to their Regional Flow Systems"
- B.J. Rostron, M.R. Hearn and H.G. Machel, "Hydrogeologic Controls on petroleum accumulation and entrapment in Devonian Reefs, Bashaw Area, Alberta"
- M.R. Hearn, H.G. Machel and B.J. Rostron, "Stratigraphic and diagenetic controls on petroleum entrapment and re-migration in Devonian Reefs, Bashaw Area, Alberta"
- C. Riediger, J.D. Cody and M.G. Fowler, "Origin and alteration of Mannville Oils, Southern Alberta: Preliminary investigations"

The Division appreciates the contributions from all participants. In addition, the Division thanks Rakhit Petroleum Consulting Ltd. for sponsoring the session.

The Division's second field trip was held on Saturday, September 14. Five sites of local hydrogeological interest were visited, including the East Garrington Gas Plant, the Raven Trout Station, the Pine Lake Landfill, a recharge slough at Trochu, and Mudspring Lake. The trip attracted 38 participants. The Division extends a special note of appreciation to the leaders - Kevin Parks and Larry Bentley of the University of Calgary, Ben Rostron of the University of Saskatchewan and Dan Barson of Rakhit Petroleum Consulting. Thanks are also due to SynerTech/Chemical and Geological Laboratories of Calgary for donating free analyses of water samples, and for providing logistical support. This trip will be offered as a post-conference field trip for the 1997 CSPG/SEPM Convention.

The Division is very pleased to report that the Bulletin of Canadian of Petroleum Geology has adopted a Division recommendation to appoint, on a continuous basis, at least one petroleum hydrogeological professional to the editorial committee of the Bulletin. For 1997 through 1998, this position will be held by Dr. Dan Barson of Rakhit Petroleum Consulting Ltd. The Division also continues to strengthen its ties and communication with the International Association of Hydrogeologists.

The Division is pleased to welcome Eric Dahlberg of E.C.D. Geological Specialists to the Executive Committee. Eric replaces Jim Reimer, who is leaving after two years as Chairman of the Hydrogeology Division to take on the role of General Co-chairman for the 1998 CSPG/SEPM Convention. The Executive thank Jim sincerely for his contributions to the Hydrogeology Division, and wish him every success in his new endeavors. The Executive has chosen Dan Barson to assume the mantle of Chairman.

INTERNATIONAL DIVISION (Godfried Wasser, Chairperson; Jim Taylor, Howie Zorian)

This year, 1996, was an exciting one for the International Division. We had a number of great luncheon presentations from all over the world. On average, 50 persons attended our monthly "brown bag" luncheons with topics ranging from reservoir quality to royalties.

I would like to thank our presenters for their efforts and shared knowledge. These are the people who make our Division a success. I also thank the members of the Division's Executive, Jim Taylor and Howie Zorian. Finally, I thank Mobil Oil Canada, BFR Exploration, PanCanadian Petroleum and Eucalyptus International for their sponsorship.

GEOMATHEMATICS AND COMPUTER (Paul Price, Chairperson)

Nineteen ninety-six proved to be a quiet year for the Geomathematics and Computer Applications Division. The group was kept alive by Paul R. Price - Chairman and CSPG On-line Committee co-liaison. It is hoped that a re-invigorated executive can be constituted in 1997. Although no talks were held during the 1996 season, members of the Division were active in supporting and guiding the initiatives of the CSPG On-line Division and in fielding questions with respect to computer and geomathematics from the CSPG membership. The group plans to revive the lunch hour presentation series with topical talks that cover timely material of interest to petroleum industry professionals (geologists, geophysicists and engineers) and that foster closer inter-disciplinary discussion in the rapidly changing realm of applied geomathematics and computer applications. Each talk will consist of a 30 to 40 minute multimedia presentation followed by an audience interactive question and answer session. Planning continues for a special CSPG Bulletin devoted to petroleum industry case studies in geomathematics and computer applications.

RESERVOIR/DEVELOPMENT GEOLOGY (Darren Steffes, Chairperson)

No report available.

PALEONTOLOGY DIVISION (Charles Henderson, Chairperson)

The Paleontology Division has been inactive during 1996, but hopes to avoid extinction in 1997. Some future talks will be scheduled for the Geological Survey of Canada building in N.W. Calgary. Volunteers for the position of Chair are welcome.

LIAISON COMMITTEES

AAPG HOUSE OF DELEGATES (Scott Gardiner, Chairperson)

The Canadian Society of Petroleum Geologists is an affiliated society of the American Association of Petroleum Geologists (AAPG) and as such, is entitled to representation within the AAPG's House of Delegates. For the purpose of delegate allocation, the CSPG is designated the "local" society for all AAPG members in Alberta and British Columbia and is entitled to one Delegate for every 70 active AAPG members. The CSPG currently has 1,003 paid Active members in the AAPG. Therefore, the CSPG is represented by 14 Delegates who are serving three year terms, as follows:

Term Ends:

June 30, 1997

Scott Gardiner
E.E. (Ned) Gilbert
Kevin Polan
Donald C. Stachiw
Matthew J. Woofter

June 30, 1998	Paddy Chesterman Paul English Martin D. Hewitt Brad Maynes Russ G. Oicle David A.D. Scott
June 30, 1999	Kathryn Lapointe John R. Hogg Robert K. Sullivan

The House of Delegates oversees all legislative affairs within the scope of the Constitution and Bylaws of the AAPG. Delegates serve as representatives of the local affiliated society, but since they are elected by active AAPG members, also serve the interests of these members as well as the Society. Delegates are the appropriate channel through which individual members can bring influence to bear on the affairs of the AAPG. In addition to these duties, Delegates also verify qualifications and process all AAPG membership applications and Certified Petroleum Geologist applications submitted from Alberta and British Columbia.

During the 1995-1996 term, the group met 6 times in Calgary, with our annual meeting being held Sunday, May 19th in San Diego during the AAPG Annual Convention. The new House Officers for the 1996-1997 term are: Patrick J.F. Gratton, Dallas (Chairman), Robert L. Countryman, Bakersfield (Vice-Chairman) and Jeanne E. Harris (Recording Secretary). Key legislative changes voted on at the meeting included the following:

- Proposed changes to Constitution and Bylaws (Sections 3, 4 and 8): These changes were related to allowing people to become "at-large" members if elected to be Officers of the House for the following year in the 3rd year of their 3-year term as a delegate.
- Unaffiliated Country delegates (Section IV): For Active Members residing outside the USA who are not assigned to any Affiliated Society, the minimum number of members required to form a Group is now 10, not 20. Each group must reside in one country. A Group is entitled to at least one delegate. This change is intended to help achieve AAPG international representation in countries where small but important populations of Active members exist.

During the 1995-1996 term, the CSPG Delegates continued to attempt to increase the numbers of AAPG active members we represent. This was achieved by encouraging new applicants to apply and by helping Junior members who are eligible for Active membership to convert their membership status. Between July 1995 and December 1996 there have been 62 new Active members via, collectively, new applications and Junior to Active conversions.

The House of Delegates is also responsible for nominating and endorsing candidates for AAPG awards. We

are proud to have succeeded in helping the following to be recognized: Raymond A. Price for the Michel T. Halbouty Human Needs Award (outstanding application geology to human needs); and Anthony (Tony) Tankard for the Distinguished Service Award.

We would like to thank Kathryn Lapointe for doing an excellent job performing the duties of Chairperson during her term which was fulfilled at June 30, 1996. Kathryn was succeeded by Scott Gardiner, whose term will end June 30, 1997.

WORLD PETROLEUM CONGRESS LIAISON COMMITTEE (M.E. Hriskevich, Chairperson)

Activities of the Canadian Committee of the World Petroleum Congress for 1996 included:

- Canada was awarded the right to host the 16th World Petroleum Congress in July, 2000. The Canadian Committee under the chairmanship of Ray Cej did an outstanding job in preparing and presenting the Canadian bid to the rest of the participating countries. The expertise within the CSPG to hold meetings involving up to 8200 participants was pointed out to the Canadian Committee and should lead to direct involvement by CSPG members in the staging of this 16th congress.
- The 15th World Petroleum Congress will be held in Beijing, China during October 12 to 16, 1997. The representatives of the Chinese Organizing Committee for the 15th Congress visited Calgary in mid June 1996 to provide information and background on their conference.
- The framework for the technical program for the 16th Congress is now in place and papers will be presented in four forums:
 1. Primary speakers - 6
 2. Ministerial Panel - ministers or deputy ministers discuss key issues
 3. Review
 4. Forecast papers - 10
- Forums - 20, each of which will feature four papers
The CSPG liaison committee will maintain close contact with the organizing committee of the 16th Congress during the coming year.

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE (NASCN) (R.W. Yole and Brian R. Pratt, CSPG Commissioners)

Highlights of the 51st NASCN Annual Meeting in Denver, October 28, 1996 are outlined below. Official summaries of NASCN proceedings are published biennially in the AAPG Bulletin; the latest of these appears as Note 61 of the Commission. Note 62, Proceedings of NASCN 1992-1995 has been prepared for early publication.

Reports of activities were presented by Chairman R. Michael Easton (Ontario Geological Survey, Sudbury, Ontario) and Vice-Chairman James O. Jones (University of Texas, San Antonio, Texas). Chairman Easton made a presentation on the Stratigraphic Code, current status of proposed revisions and the debate on possible electronic publishing methods for the code to the Association of Earth Science Editors meeting in Sudbury. Mike also promoted the use of the Code at the workshop of Geoscience Journal Editors in Denver, and prepared an article for the Houston Geological Society Bulletin outlining current NASCN views on formalization of sequence stratigraphic nomenclature.

Commissioner Benoit Beauchamp (Geological Survey of Canada, Calgary, Alberta) was unable to attend this meeting, but sent a report and First Circular for the CSPG-SEPM Joint Convention in Calgary, June 1997. The session celebrating the 50th Anniversary of NASCN is to be presented at this meeting, rather than at a GSA meeting as originally planned. Benoit will organize and chair the session, which will highlight the history and teaching of stratigraphy. At this convention, a workshop session on Systematics of Sequence Stratigraphy is proposed by Andrew Miall (University of Toronto). Discussion on whether and how to relate this event with the NASCN 50th Anniversary session led to a motion that NASCN support and sponsor the Miall workshop. In the absence of a detailed outline of the workshop contents, the motion was tabled, with a view to voting on it by mail ballot when details were made available.

The Allostratigraphy - Sequence Stratigraphy Committee of NASCN, represented by Commissioner Don E. Owen (Lamar University, Beaumont TX), reported that the AGI Glossary of Geological Terms reviewed a submission pertaining to a set of new definitions covering sequence stratigraphy and hydrostratigraphic units. Don also reported on a meeting of the Working Group on Sequence Stratigraphy of the International Subcommittee on Stratigraphic Classification (ISSC) held in Houston, Texas in April 1996. The group consensus was that two kinds of units were required; descriptive and genetic (interpretive). A provisional classification to include unconformity bounded, allostratigraphic and sequence-stratigraphic units was proposed, and will be considered by two subcommittees before the next meeting of the working group.

Commissioner Ismael Ferrusquia Villafrance (Universidad Nacional Autónoma de México, México DF) submitted a further progress report on Inconsistencies, Imperfections and Errors (IIE) in the North American Stratigraphic Code of 1983. A mail ballot of commissioners since the last NASCN meeting has identified categories of items in the earlier report, including acceptable changes, unneeded changes and those which require further work and discussion. Commissioners agreed to a

special meeting to discuss a final report to be prepared by the ad hoc committee on IIE early in 1997.

James O. Jones and Alfred C. Lenz (University of Western Ontario, London, Ontario) were elected by acclamation to the offices of Chairman and Vice-chairman, respectively for 1996-97.

APEGGA/UNIVERSITY OF CALGARY STUDENT LIAISON COMMITTEE (Timothy Bird, Chairperson)

This committee meets once a month to discuss issues related to education, professional development and registration as they relate to students enrolled in engineering, geology and geophysics at the University of Calgary.

The activities of the Committee include:

- representing the CSPG at functions where APEGGA addresses earth science students in order to raise the profile of both organizations, especially by organizing and presenting at branch meetings and on-campus mixers
- aiding professional and career development by participation in career workshops which assist students in resume writing and interviewing skills
- acting as CSPG representative where matters are brought before the committee by student societies.

CSPG/CSEG/APEGGA LIAISON (Bill May, Chairperson)

No report available.

NATIONAL LIAISON COMMITTEE (Louise Quinn, Chairperson)

This year has been a year of change for the National Liaison Committee. In keeping with the reforms being undertaken by CSPG in general, the NLC has been asked to review its terms of reference. The National Liaison Committee is composed of members from large research universities, industry, community colleges, provincial government, federal government, and undergraduate universities, from across Canada.

Until now the committee has acted as a think tank which generated ideas on how CSPG might enhance its standing nationally and better serve its members outside Calgary, as well as attract new members across the nation. It has also provided the CSPG Executive with information about issues of concern to members outside Calgary as well as collecting general data on enrollment in geology programs, hiring patterns etc. for the CSPG Executive.

The Executive, at the May 1996 meeting, asked the NLC to look into actually putting into operation some of the ideas that have come from the committee, i.e. ideas that come from the committee should be implemented by the committee. Members of the NLC, who are scattered across Canada, tend to think that this would present logistical difficulties, and that the current approach of

funneling ideas and information between the Executive and the national membership through the NLC is an appropriate one for a liaison committee. Concern has also been raised as to how or if the CSPG is utilizing the information collected by the NLC members, and whether the present structure for communication between the NLC and the Executive is as effective as it could be. Various suggestions have been made, including housing the NLC chair in Calgary, or designating a member of the CSPG Executive as having a major responsibility for the National Liaison Committee.

The committee and the Executive both feel that as much input as possible should be solicited to determine the changes which should be made, and submissions are invited from interested parties, directly to the CSPG office, to your NLC representative, or directly to the NLC at our next meeting in the Spring of 1997, which will be held either at the CSPG convention or at the GAC-MAC meeting in Ottawa.

Members who have stepped down this year include Martine Savard (GSC - Sainte Foy) and George Dix (Carleton University). Their service to the committee is gratefully acknowledged. New members welcomed to the committee are John MacRae (BC Ministry of Employment and Investment), Denis Lavoie (GSC - Sainte Foy) and Keith Aldridge (York University). The current membership is as follows:

- Louise Quinn (Brandon University), NLC Chair
- Paul Batson (NSCC, Halifax), Atlantic Representative
- Denis Lavoie (GSC - Sainte Foy), Quebec/New Brunswick Representative
- Eric Mountjoy (McGill University, Montreal), Quebec Representative
- Guy Plint (University of Western Ontario), Western Ontario Representative
- Keith Aldridge (York University), Eastern Ontario Representative
- Tom Moslow (Canadian Hunter, Calgary), Prairie Representative
- John MacRae, Energy and Mineral Resources Division, B.C. Ministry of Employment and Investment, BC Representative
- Lisa-Henri Kirkland, CSPG
- Gerry Reinson, CSPG
- Ric Sebastian, CSPG

CSPG/GAC LIAISON (Gerry Reinson, Chairperson)

Considerable dialogue ensued between the CSPG and GAC in 1996, pertaining to a potential joint convention of the two societies in the year 2000. Talks are ongoing regarding a scenario which would have all (or most) of the Canadian earth science societies holding their annual meetings concurrently in Calgary under the banner of GeoCanada 2000.

It was also agreed that lines of communication should be maintained between the two societies given issues of mutual concern, such as the status of the geosciences in Canada and other national matters.

PETROLEUM COMMUNICATION FOUNDATION LIAISON (Kathryn Lapointe, Chairperson)

The Petroleum Communication Foundation is a non-profit organization whose purpose is to increase Canadians' awareness of our country's petroleum industry. The CSPG has been a member of the PCF for over a decade.

Highlights of 1996 were:

- seven positive messages describing interesting aspects about the industry were placed in the Globe and Mail. It is estimated that 100,000 Canadians read each message; thousands of responses were received from all of the provinces and territories, requesting additional information from the Foundation. Examples of the Did You Know topics are "Natural gas helps cut down acid rain- and Topsy turvy world made Canada rich in oil and gas".
- the total number of publications distributed to Canadians totalled 197,000, more than triple the amount for 1995
- two new backgrounders were prepared: one entitled "Technology" and the other "Natural Gas"
- the Foundation facilitated the production of two videos designed to assist native communities to learn more about the oil and gas industry (this project was funded by the Indian Resource Council and CAPP)
- the Foundation, with the assistance of PSAC and the National Research Council, established a presence on the internet. The Foundation now has a home page, links with other organizations, plus specific sites, such as one on gasoline pricing

The new website address for the Petroleum Communication Foundation is <http://www.pcf.ab.ca>. Their e-mail address is pcomm@pcf.ab.ca. Backgrounders (summaries) and videos on any number of oil and gas related topics are available directly through the Foundation, or through the CSPG liaison.

PUBLICATIONS

PUBLICATION COMMITTEE AND PUBLICATION REVIEW BOARD (Lisa-Henri Kirkland, Chairperson; A. Embry, P. Harrington, R. Hankel, G. Eynon, R. Sebastian, J. Croft-Ramos, ex-officio member)

The Publications Committee coordinates Society publications. The Committee consists of:

- the Senior Managing Editor
- the Publications Review Board, made up of the Senior Managing Editor, the CSPG Past President and Vice President, the Chairperson of the Publication Sales Committee, a member-at-large; and
- the Bulletin Editor

The Publications Review Board assesses the merits of proposed new publications and forwards recommendations about publication matters to the Executive.

The Society publishes two periodicals: the *Bulletin of Canadian Petroleum Geology* and the *Reservoir*. The *Bulletin of Canadian Petroleum Geology*, a refereed journal, is published quarterly. The Society's newsletter, the *Reservoir*, is published monthly. The Society also publishes an annual calendar and intermittent special publications such as *Memoirs* and *Lexicons*.

BULLETIN OF CANADIAN PETROLEUM GEOLOGY (A.F. Embry, Editor; B. Chiang, Managing Editor; P. Bakogeorge and C. Frey, Production Editors; C.L. Riediger, Book Review Editor; T. Cross, A. Desrochers, A. Grant, D. James, W. Kalkreuth, W. Martindale, B. Zaitlin (until December 1996); D. Barson, J. Dietrich, R. Hankel, B. Hart, F. Montandon, D. Morrow (until December 1997); T. de Freitas, M. Gibling, M. Fowler, L. Lane, T. Poulton, M. Savard, M. Williamson (until December 1998); D.W. Woek, Bulletin Advertising)

Volume 44 of the *Bulletin*, published in 1996, contained 41 scientific papers and consisted of 697 pages. Notably, the volume contained two special issues; one on triangle zones and tectonic wedges edited by P. Mackay, J. Varsek, T. Kubli, R. Dechense, A. Newson and J. Reid, and one on geochemistry edited by H. Wielens. The scientific content maintained a high standard thanks to the hard work of the guest editors. Each issue of the *Bulletin* also arrived on time due to the smooth flow of manuscripts which was carefully monitored by our managing editor and to the efficiency of McAra Printing. Most papers in volume 44 were published within 10 - 12 months of initial receipt. We have received 30 new manuscripts in 1996 and most of these will appear in volume 45. Our diligent book review editor, Cindy Riediger, recently resigned due to an ever-increasing work load at the University. Over the past four years she did an excellent job of finding reliable reviewers for the never ending flow of books. Dave Elliot has taken on this position.

RESERVOIR (Richard Thom, Chairperson and Editor, Ray Featherstone, Editor and Advertising Chairperson)

In 1996, eleven issues of the *Reservoir* were published. Typesetting and graphic design were provided by Yellow Brick Studios, printing by Sundog Printing and distribution by Global Direct Mailing.

A Geological Events Calendar highlighting the date and time of CSPG events was a new addition, first appearing in the February '96 issue. Many members have reported photocopying this page and pinning it beside their desk for reference.

Informative articles regarding APEGGA registration and services provided by the GSC to the geological community have received positive comments.

Photographs of the contributing Executive are now included in the "Executive Comment" so that these individuals are now recognizable to the general membership.

The 1997 *Reservoir* has a new format involving the use of grey highlighted text to provide a less cluttered, more readable appearance.

PALAEONTOGRAPHICA CANADIANA, GAC/CSPG JOINT COMMITTEE ON PALEONTOLOGICAL MONOGRAPHS (Alexander D. McCracken, Chairman and Acting Editor; Brian R. Pratt, Vice-Chairman; David H. McNeil, Secretary; Ross A. McLean, Business Manager; N. MacDonald, GAC Editor; Lisa-Henri Kirkland, CSPG Senior Managing Editor)

Manuscripts in varying stages of completion are:

- *Palaeontographica Canadiana* No. 13: Silurian brachiopods and biostratigraphy of the Mackenzie Mountains, Northwest Territories, by Jisuo Jin and Brian D.E. Chatterton. 187 pp., 50 Pl., 50 pp. Pl. captions, 30 text figures. Second page proofs edited and are back with the typesetter. Publication date is early 1997.
- *Palaeontographica Canadiana* No. 12: Taxonomie des petits Foraminifères du Carbonifère-Permien Inferieur du Bassin de Sverup, Arctic Canadien. By S. Pinard and B. Mamet. Invited Editor - Fabrice Cardey. Authors have submitted final, revised copy. Ms will go to typesetter in late December. Publication in 1996.
- *Palaeontographica Canadiana* No. 14: Silurian encrinurine trilobites from the Central Canadian Arctic. By Jonathan Adrain and Gregory D. Edgecombe. Authors will have submitted final, revised copy in late December or early January. Publication in 1996, funding permitting.
- *Palaeontographica Canadiana* No. ?: Valanginian biostratigraphy of the McGuire Formation, Northwest Territories. By Sharon P. Fowler and James Dixon. Manuscript scientifically reviewed, back with authors for revision. No publication date set.
- *Palaeontographica Canadiana* No. ?: Sinemurian (Early Jurassic) ammonoid faunas of the Queen Charlotte Islands, British Columbia. Jozsef Palfy and Paul Smith. Manuscript not yet submitted for JCPM review.
- *Palaeontographica Canadiana* No. ?: Late Ordovician to Early Silurian strophomenid brachiopods from Anticosti Island, Quebec. Keith Dewing and Glen Caldwell. 188 mc pp., 65 figures, 31 plates. Manuscript not yet submitted for JCPM review.

BUSINESS COMMITTEES

ADVERTISING COMMITTEE (David Work, Chairperson; Norbert Alwast)

Revenue dropped by 29% over 1995 totals. Demand remained very strong for advertising at technical luncheons. It is anticipated that revenues should be up in 1997 with the present favorable industry climate.

Revenue	1996	1995	%change
Inserts	4681	10,954	57
Internal	59,179	82,734	28
Total	63,860	93,688	32
Bulletin	nil	940	100
Lunch	7811	9,154	15
Calendar	nil	nil	-
Mem. Dir	nil	nil	-
Total	71,671	103,782	31
Adjustment	3992	3,100	-
TOTAL	75,663	106,882	29

David Work is resigning as chairman of the advertising committee and will be replaced by Norbert Alwast. The Committee would like to extend a special thank you to our lay-out artist Carol Hrycenko, of Yellow Brick Studios for professional service to the Reservoir.

PHOTOGRAPHIC COMMITTEE (Vic Panei, Chairperson)

During the year, the Committee provided photographic coverage at most of the Society's luncheon meetings, as well as at the Awards dinner.

The Committee is looking for two volunteers to share duties in taking photographs at the luncheons meetings. If interested please call Vic Panei at 691-9788.

GEOLOGICAL PLACEMENT SERVICE (Bev Pfeffer, Chairperson)

The Society maintains an updated file of resumes of geologists seeking employment. Interested employers should contact the CSPG Office for access to this file. There is no charge for this service.

GROUP INSURANCE (Bev Pfeffer, Chairperson)

CSPG group insurance plans covering life, health, long-term disability, dental, automobile and home insurance offer very competitive rates and continue to be well received by the membership.

MEMBERSHIP COMMITTEE (Sandy Laing, Chairperson; Marc Charest, Gerald Kvill, Keith Masters, John Ostrom, Kevin Polan)

The membership figures for the last five years are as follows:

	1992	1993	1994	1995	1996
Active	2956	2819	2669	2662	2671
Assoc.	189	171	167	185	195
Student	145	149	128	152	118
Emeritus	121	144	155	153	144
Corporate	49	52	50	36	32
Honorary	45	43	45	46	43
Total	2269	3228	3206	3231	3203
Subscribers	392	382	357	335	326

We would like to welcome Marc Charest, Gerald Kvill, Keith Masters, John Ostrom and Kevin Polan to the membership Committee. With this talent and new energy we hope to keep the existing membership charged up about their society and to attract many new individual members to our roster. Thanks again to our new members for volunteering some of their time to the CSPG.

COMPUTER FACILITIES COMMITTEE (Tom Lau, Chairperson)

No report available.

PUBLICATION SALES COMMITTEE (Peter Harrington, Chairperson; Drue Robinson, Treasurer; Brian Carrigy, Paul English, Jaimè Croft-Ramos, ex officio member)

The Publication Sales Committee (PSC) is responsible for the promotion and sales of CSPG publications, as well as for sales of other societies' publications handled through the CSPG's offices in Calgary.

The PSC had another busy year in 1996. New publications introduced by the CSPG in 1996 included the Special Bulletin issue on Triangle Zones and Tectonic Wedges, as well as a Mannville Bibliography. Promotional efforts continued for new and existing CSPG publications including advertising in various periodicals, exhibiting of CSPG Publications at the AAPG Convention in San Diego in May as well as the CSPG Convention in Calgary in June. Sales at both these conventions were strong although down from previous years due primarily to the lack of a major new title, such as a Memoir.

Sales by the CSPG of other societies' publications continued at a strong pace in 1996. Many new AAPG titles were released, and sales on older titles resulted in a brisk business for AAPG publications. Sales of selected SEPM volumes were also strong, confirming that the work involved in setting up a joint sales agreement with the Society for Sedimentary Geology has provided benefits to our members in making available publications at a savings in cost and convenience over purchasing the same books directly from the U.S.A. The SEPM is also selling selected CSPG titles from its offices in Tulsa, and this has provided a broader distribution and exposure for CSPG publications. Sales of GAC and GSC volumes has also continued through the CSPG office and is a source of additional revenue for the Society, as well as a benefit and convenience for our members.

Continued promotional efforts are planned for 1997. Memoir 18 on the Mannville sequence is expected to be published next year and should be a popular volume, particularly in the Canadian market. Advertising and promotional efforts will be continued as the needs arise, and will likely be focused in 1997 on promoting the new Memoir release. A CSPG presence is planned for the 1997 AAPG Convention in Dallas in April, as well as the

joint CSPG-SEPM convention in Calgary in June. The Calgary convention will be the first joint convention with the SEPM and should provide a good vehicle for the promotion of CSPG publications to a broader market, as well as the highlighting of the CSPG's role as the distributor of SEPM publications in Canada.

SOCIAL EVENTS

PAST PRESIDENT'S DINNER (George Eynon, Chairperson)

The Past President's Dinner is an annual event hosted by the immediate Past President, to which all past presidents of the Society are invited to contribute opinions and comments on current affairs affecting the Society and the geoscience community. The event serves as sounding board for actions taken or contemplated by serving Executives.

The 1996 Past President's Dinner was held on Tuesday, November 19th at the Calgary Petroleum Club. Despite brutal weather, 22 past presidents and members of the current Executive braved nature's fury to gather, dine, wine and "roast" this year's President, Gerry Reinson, following his superb presentation on the Society's status and future direction. In the tradition of past Dinners, observations and positive recommendations were plentiful and sincere; no "shrinking violets" these.

AWARDS DINNER (Douglas Carsted, Chairperson)

The annual Awards Banquet was held at the Palliser Hotel on Wednesday, June 19, 1996 in conjunction with the Pool '96 Conference. Past President George Eynon presided over the evening's events, which were attended by 180 members, spouses and guests. After an excellent dinner the Society's major awards for professional and technical excellence were presented. Following the awards all those in attendance were treated to an African safari by Mr. Brian Keating, Curator of Education, Calgary Zoo, who presented a multi-media talk on "Secret Springs: Classic Wild Africa".

MEN'S 36TH ANNUAL GOLF TOURNAMENT (Graeme Dales, Chairperson; Foon Der, Steve Horth, Mark Powell, Les Guzowski, Andy Vernon, Cal Gabel, Larry Annand, Monty Ravlich, Martin Thumwood, Scott Oldale, George Hassler, Rick Velhat, John Milford, Mike Laberge, Brian Krausert, Ron Newman, Paul Moller, Pat Ward, Richard Edgar, Ken Bradley, Duncan Robertson, Brian McBeath, David Eley)

The 1996 Men's Golf Tournament was held at Shaw-Nee Slopes Golf Club. The weather was great. All of the evening events were well attended by enthusiastic groups of golfers, spouses and sponsors. Excellent offerings of food and drink were supplied by the golf course, sponsors and the 400 Club.

Sponsorship for the tournament was generous and a special thanks goes out to Accumap who added a real spark to the tournament by becoming a major sponsor. Without the tireless efforts and support of the Committee and sponsors, the Tournament would not continue.

All levels of golf are competitive on the first day of match play and then the losers play skins and chuck-wagons. This year Jim Young bested Randy Clark in the Championship Flight, George Hassler squeaked by Scott Oldale in the First Flight and the winning chuckwagon team was: Dale Dolphin, Jim Malcolm, Tom Philips, Mike Laberge and Rick Wilson. This tournament has become an institution largely due to the dedication of the organizers and the enthusiasm of all the participants, sponsors and spouses. The 1997 tournament will be held at Elbow Springs, June 25-27, 1997.

CSPG MIXED GOLF COMMITTEE (Kevin Stromquist, Chairperson)

The 7th Annual Mixed Golf Tournament was held August 23, 1996, at the D'arcy Ranch Golf Club in Okotoks. We had 128 golfers of all skill levels show up to battle for prizes, honours and the beer in the clubhouse. The event was the culmination of a lot of hard work by our committee members which include Catherine Chaplin, Andrea Henry, Greg Mosolf, Mark Ambrosie, Brent McKercher, Dave Smith, Brent Lacey, John Ostrom and Rick Sereda. Our sponsors were very generous in their support as usual which contributed to the low entry fees, great meal and the quality of the prizes. The following is the list of winners:

Low Gross - Bob Sullivan, Chris Jones, Bruce McIntyre, Lyne Sattlegger

Low Net - Chris Frederick, Brian Ard, Don Yont, Victor Urban

Most Honest - Rene Levesque, Rick Young, Darnel Proskow, Louise Yont

I stated last year, "if Rick Young wins the Most Honest trophy again, it will be renamed". Well it happened and the trophy will now bear Rick's moniker. Such a consistent record of futility should not go unrewarded.

The date of the 8th Tourney will likely be August 22, 1997, so plan your holidays and wells accordingly. We will be needing new volunteers to oversee the next tournament as several of our committee members will be stepping aside including myself.

CSPG SQUASH TOURNAMENT (Dave Robinson, Chairperson; Ann Burrage, John Cox, Andrea Henry, Solana Jear, James Muraro)

The 13th Annual CSPG Squash Tournament was held at the Edgemont Club, February 9 and 10th, 1996. This tournament has earned the reputation as one of the premier squash tournaments in the city, as well as being a great social event. This year's tournament had 100 par-

ticipants. Everyone enjoyed great squash and meeting old and new friends. Numerous door prizes were awarded at the banquet and festivities went well into the evening.

We had two new winners in our Men's and Ladies' A events in 1996. On the men's side, Danny Shannon defeated John Cox in a hard fought and entertaining battle. On the ladies side Amy Strutt narrowly defeated Hilary Foulkes in the Ladies A final.

The success of the squash tournament is due to the tremendous support it receives from industry sponsorship. Strong sponsorship has enabled the Committee to organize a quality recreational and social event. The Committee gratefully acknowledges this support, in particular our Gold Level sponsors:

T UCKER WIRELINE SERVICES
BPB WIRELINE SERVICES
C&G LABS
CORE LABORATORIES
DECOLLEMENT CONSULTING
PETROLEUM INFORMATION CANADA
TOKPELLA RESOURCES
WESTERN ATLAS WIRELINE SERVICES

The Committee expresses its sincere appreciation to Sue Kostyniuk of Belloy Petroleum Consultants. Sue does an excellent job as our bookkeeper. Happily the Committee remains intact and is also pleased to welcome three new enthusiastic volunteers to the 1997 committee; George Hassler, Fred Laurel and Martin McGinnis. The 14th Annual squash tournament will be held at the Edgemont Club, February 7 and 8, 1997.

CSPG 10K ROAD RACE - EIGHTH ANNUAL (Vic Urban and Myles Bosman, Co-Chairmen)

The Eighth Annual CSPG Roadrace was held on Sunday, July 21, 1996 at Fish Creek Park. We had 100 runners entered in the two races which were run, 3 km and 10 km. Once again the weather was ideal with cool running conditions. By the time the awards were presented the sun was shining brightly. This year produced some new champions with Nancy VanBeselaere winning the female geologist 10 km event in at time of 41:02, and Stan Stancliffe winning the male geologist event in a time of 37:17. The first place runner in the male category for geophysicists was Ken Hedlin in a time of 37:42 and in the female category the winner was Lorna Hawley in a time of 42:47.

The awards ceremony and post-race brunch were well received with many happy recipients walking away with prizes, courtesy of our wonderful sponsors. These included Adidas, Schlumberger, AEC, Renaissance and Tarragon, to name a few. Many thanks to all of our sponsors without whom this event could not take place.

We are planning next year's event for the middle of September and we will also change the venue to Prince's Island. We hope this will encourage more participation from the CSPG membership and allow the race to grow. The date has not been set as yet, but September 10, 1997 has been suggested. We are also looking for some volunteers to help with the organization of the race. Anyone interested can contact a member of the Road Race Committee. We hope to see more of you out at next years event. Happy running!

CALENDAR COMMITTEE (Carl Hughson, Chairperson)
 No report available.

