PRESIDENT'S REPORT (F. G. Rick Young)

1994 was a very eventful year for the Society, and one which continued a trend towards more community and political involvement, at least where the interests of petroleum geology are concerned. Reduced government spending has resulted in severe decreases in university and museum budgets, and NSERC research grants. As well, several government sponsored science and technology reviews were launched in 1994, questioning the need for funding of geoscience research. The rumoured privatization of the Alberta Core Research Centre, and near extermination of the Alberta Geological Survey also caused much consternation within the geological community. Because of the baseline nature of these agencies and institutions, I have written numerous letters and submissions strongly defending the need to maintain geoscience based institutions and to continue research funding of the resource industries.

The financial health of the Society remains strong, with substantial financial contributions derived from the very successful Exploration Update '94 convention and from robust sales of the new Geological Atlas. Volunteer support has improved but, as always, needs bolstering by members and corporate leaders. After declining steadily for seven years, membership levels have stabilized at approximately 3,200, but renewed efforts need to be made to encourage new memberships. The 10 divisions remain very active, although the Coal Division officially closed due to lack of interest.

Highlight activities and events of the year include the publication of the new Geological Atlas of the Western Canada Sedimentary Basin, the Honorary Address by Dr. David Suzuki (attended by over 2,100 people), the formation of alliances with the SEPM (Society for Sedimentary Geology) and the Royal Tyrrell Museum of Paleontology, the development and launching of the Readers of the Earth bronze statue series, and the development of the new CSPG Advantage Program by Bill Ayrton, which will be ready to go in 1995. As well, the Educational Trust Fund has been revitalized as a more practical vehicle for receiving and disbursing donations and revenues to support the Society's educational activities.

The Executive Committee and the Visiting Petroleum Geologists have attempted to raise the profile of petroleum geology as a career path by giving talks to students and staff at nearly 20 Canadian universities. This promotion was well received by most schools as many of them were unaware of the renewed level of business activity in the oil patch. There is a high risk of losing qualified teachers of petroleum geology, sedimentology and paleontology in several Canadian universities. Also, many libraries cannot afford to contribute subscriptions to CSPG publications. Therefore, free Bulletin subscriptions were offered to all Canadian universities with geology libraries. Also, Dr. Cindy Riediger began her first term as the CSPG sponsored petroleum geology professor at The University of Calgary. The Society will monitor the university situation to determine what further steps might be taken to mitigate erosion of the proper teaching of petroleum and sedimentary geology.

I have received excellent support from most committees and urge you to read the details of their activities in the following accounts. The office staff, Deanna Watkins and Monique Evans, were very helpful despite the difficulties of making
the transition into a new membership database and a newly computerized sales/inventory setup. My executive committee was first rate and our frequent meetings were stimulating, at times boisterous, but always enjoyable. It was a totally rewarding experience serving as your president.

TREASURER’S REPORT (Susan Riddell Rose)

This report covers the fiscal year ended November 30, 1994 and includes the audited financial statements of the Canadian Society of Petroleum Geologists. The accounting system has used accrual. Unemployment Insurance Premiums, Canada Pension Plan, and Workers’ Compensation payments are made on a monthly basis. A G.S.T. report for the Society’s operating fund and major financial subcommittees is filed quarterly in compliance with current government regulations.

The Society remains in excellent financial condition with assets valued at $1,617,941 and members’ equity at $1,412,772 or $434.00 per member. The members’ equity has decreased since last year due to the printing of The Geological Atlas of the Western Canadian Sedimentary Basin and the draw down of the Atlas Finance Fund.

As is traditionally the case, the Society operated in a loss position, subsidizing services to members with income from publication sales and the annual convention to balance the books. The Society’s revenue from general operations decreased 3.5% to $301,405 primarily as a result of reduced interest rates. Operating expenses for the year increased significantly due to a combination of increased services to the membership, public service donations, and an upgrade of both computer hardware and software in the office. This combination led to the higher than normal annual loss from general operations; however, some of these one time expenditures should lead to greater efficiency in the future. Despite this loss, there are no plans to increase membership dues.

The long awaited Geological Atlas of the Western Canadian Sedimentary Basin was printed in 1994. In 1988, with an original cash installment from the CPG general operating fund, the Atlas Finance Fund was established to facilitate the printing of the Geological Atlas through industry donations. Thanks to very generous contributions from sponsors, the Atlas Finance Fund was able to fully finance the printing of this significant publication. At year end November 30, 1994, just one final payment remained to complete the project. After this payment all the outstanding restricted funds will be collapsed into the Society’s general operating fund.

Initial Atlas sales have been excellent, accounting for half of the total annual publication sales revenue. The CSPG is in a revenue sharing position with the Alberta Geological Survey whereby we split all Atlas sales revenue 50/50, less marketing costs. Atlas inventory valued at $127,095 (1,374 Atlases) was accounted for at year end.

The statement of operations for publications reflects the transfer of all publication costs for the Atlas from the Atlas Finance Fund to the main operating fund. This results in a very high cost of sales for publication for this fiscal year. Aside from the Atlas, publication sales revenue exceeded expenses by 6%. Work in progress of $27,950 reflects prepaid expenses incurred by the PANGEA memo, anticipated for release in 1995.

Technical programs once again generated income for the Society to compensate for losses in other areas. The Society benefited from a very profitable joint CSPG - CSEG annual convention. The successful Mannville Core Conference, run in conjunction with the annual convention, produced profits which are anticipated to finance a special publication in the near future. Expenses were slightly higher than revenue for Continuing Education programs and reflect the up-front planning contracted for the new CSPG Advantage Program. Technical luncheons and field trips ran close to break even. The Canadian Potential Gas Committee has been funding its operations through donations and at year end, donations collected exceeded expenses by $15,271, although the subcommittee has plans to utilize these funds in the near future.

Several technical programs were run at a loss to the Society although the Honorary Address featured David Suzuki this year and proved to be a highly successful event. As expected, the Society subsidized the evening performance in order to take advantage of the opportunity to bring such a prominent and well respected scientist to our community. The Society also subsidized the Visiting Petroleum Geologists tour as this is viewed as a necessary part of our outreach into the geological community.

Social events broke even. The Open and Men’s Golf Tournaments and the 10K Road Race were all well attended. Logan Day was cancelled due to lack of interest.

In light of the Society’s current financial health, several decisions to fund new programs which work toward the goals of the Society were
made. The most significant item is the University Fellowship program to which the Society committed $25,000 annually for a three-year term beginning in 1994.

In order to continue to have resources available to both subsidize current services as well as initiate new programs, the Society embarked on a new fundraising effort during the 1994 fiscal year. Local artist Peter Rice-Jones was commissioned to design and cast a series of six bronze sculptures depicting geologists in different settings. From these originals, 100 limited edition statues in each of the six designs are planned, although just the first 20 in each series have been ordered thus far. Due to the large, up-front capital commitment required to initiate the project, the current inventory does not balance with the fiscal year's expenses. A write down of $36,354 therefore reflects this imbalance. It is the opinion of the executive that future sales of bronzes will recover these costs and be a significant source of revenue for the Society in the future.

The executive has been working toward putting our surplus to furthering the objectives of the CSPG. Bearing in mind our financial resources, members are encouraged to bring forward their ideas for future initiatives.
CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
FINANCIAL STATEMENTS
NOVEMBER 30, 1994
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 November 30, 1994 and the statement of operations and surplus for the year 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 non-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 November 30, 1994 and the results of its operations for the year then ended in accordance with generally accepted accounting principles.

Collins Barrow

Calgary, Alberta
January 3, 1995

CHARTERED ACCOUNTANTS
**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS**  
**BALANCE SHEET**  
**NOVEMBER 30, 1994**

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Current assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash</td>
<td>$470,144</td>
<td>$607,657</td>
</tr>
<tr>
<td>Short-term deposits</td>
<td>528,754</td>
<td>430,218</td>
</tr>
<tr>
<td>Accounts receivable and prepaid expenses</td>
<td>122,557</td>
<td>51,324</td>
</tr>
<tr>
<td>Inventory (note 2)</td>
<td>315,108</td>
<td>158,655</td>
</tr>
<tr>
<td>Work in progress (note 3)</td>
<td>48,740</td>
<td>227,216</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,485,303</td>
<td>1,475,070</td>
</tr>
<tr>
<td><strong>Restricted funds (note 4)</strong></td>
<td>132,638</td>
<td>386,685</td>
</tr>
<tr>
<td><strong>Total Assets</strong></td>
<td>$1,617,941</td>
<td>$1,861,755</td>
</tr>
</tbody>
</table>

| **Liabilities**      |          |          |
| Current liabilities  |          |          |
| Accounts payable and accrued liabilities | $142,028 | $121,757 |
| Deferred revenue     | 63,741   | 87,510   |
| **Total**            | 205,769  | 209,267  |

| **Members' Equity**  |          |          |
| Surplus              |          |          |
| Operating Fund       | 1,279,534| 1,038,587|
| Atlas Finance Fund   | 132,638  | 613,901  |
| **Total**            | 1,412,172| 1,652,488|

| Commitments (note 6) |          |          |
| **Total**            | $1,617,941| $1,861,755|

Approved on behalf of the Society,

__________________________, Director

__________________________, Director
## CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS OPERATING FUND
### STATEMENT OF OPERATIONS AND SURPLUS
### YEAR ENDED NOVEMBER 30, 1994

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Membership fees</td>
<td>$161,635</td>
<td>$162,974</td>
</tr>
<tr>
<td>Advertising and subscriptions</td>
<td>95,081</td>
<td>96,942</td>
</tr>
<tr>
<td>Interest and other income - Schedule 1</td>
<td>44,687</td>
<td>52,492</td>
</tr>
<tr>
<td></td>
<td>301,403</td>
<td>312,408</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating expenses - Schedule 2</td>
<td>394,449</td>
<td>334,152</td>
</tr>
<tr>
<td>Loss from general operations</td>
<td>(93,046)</td>
<td>(21,744)</td>
</tr>
<tr>
<td><strong>Other income (expenses)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Convention</td>
<td>149,105</td>
<td>112,932</td>
</tr>
<tr>
<td>Publications - Schedule 3</td>
<td>(266,057)</td>
<td>(9,342)</td>
</tr>
<tr>
<td>Technical Programs - Schedule 4</td>
<td>10,271</td>
<td>22,426</td>
</tr>
<tr>
<td>Social Events - Schedule 5</td>
<td>(140)</td>
<td>1,566</td>
</tr>
<tr>
<td>Bronzes - Schedule 6</td>
<td>(36,354)</td>
<td>-</td>
</tr>
<tr>
<td>C.S.P.G. Educational Trust Fund donation</td>
<td>-</td>
<td>(44,115)</td>
</tr>
<tr>
<td>University fellowship</td>
<td>(25,000)</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(168,175)</td>
<td>83,527</td>
</tr>
<tr>
<td><strong>Net income (loss)</strong></td>
<td>(261,221)</td>
<td>61,783</td>
</tr>
<tr>
<td><strong>Surplus, beginning of year</strong></td>
<td>1,038,587</td>
<td>1,023,247</td>
</tr>
<tr>
<td></td>
<td>777,366</td>
<td>1,085,030</td>
</tr>
<tr>
<td><strong>Transfer from (to) Atlas Finance Fund</strong></td>
<td>502,168</td>
<td>(46,443)</td>
</tr>
<tr>
<td><strong>Surplus, end of year</strong></td>
<td>$1,279,534</td>
<td>$1,038,587</td>
</tr>
</tbody>
</table>
### CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
#### ATLAS FINANCE FUND
#### STATEMENT OF OPERATIONS AND SURPLUS
#### YEAR ENDED NOVEMBER 30, 1994

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donations</td>
<td>$10,184</td>
<td>$29,847</td>
</tr>
<tr>
<td>Interest</td>
<td>11,678</td>
<td>22,106</td>
</tr>
<tr>
<td></td>
<td><strong>21,862</strong></td>
<td><strong>51,953</strong></td>
</tr>
<tr>
<td><strong>Cost of sales</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work in progress, beginning of year</td>
<td>227,216</td>
<td>25,703</td>
</tr>
<tr>
<td>Publication costs</td>
<td>277,998</td>
<td>201,513</td>
</tr>
<tr>
<td>Less: Work in progress, end of year</td>
<td>-</td>
<td>(227,216)</td>
</tr>
<tr>
<td>Transfer of inventory to Operating Fund</td>
<td>(505,214)</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>21,862</strong></td>
<td><strong>51,953</strong></td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising and promotion</td>
<td>957</td>
<td>25,077</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Net income</strong></td>
<td>20,905</td>
<td>26,876</td>
</tr>
<tr>
<td><strong>Surplus, beginning of year</strong></td>
<td>613,901</td>
<td>540,582</td>
</tr>
<tr>
<td><strong>Transfer from (to) Operating Fund</strong></td>
<td>(502,168)</td>
<td>46,443</td>
</tr>
<tr>
<td><strong>Surplus, end of year</strong></td>
<td><strong>$132,638</strong></td>
<td><strong>$613,901</strong></td>
</tr>
</tbody>
</table>
CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
NOTES TO FINANCIAL STATEMENTS
NOVEMBER 30, 1994

1. 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

Expenditures on capital assets are expensed as incurred by the Society. Expenditures for the current year amounted to $26,500 (1993 - $979).

(d) Donated services

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

(e) Income taxes

The Canadian Society of Petroleum Geologists is a non-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.

2. Inventory

Inventory consists of the following:

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications</td>
<td>$ 264,618</td>
<td>$ 158,655</td>
</tr>
<tr>
<td>Bronzes</td>
<td>50,490</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 315,108</strong></td>
<td><strong>$ 158,655</strong></td>
</tr>
</tbody>
</table>
3. Work in progress

Work in progress consists of the following:

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications</td>
<td>$27,950</td>
<td>$227,216</td>
</tr>
<tr>
<td>Bronzes</td>
<td>$20,790</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>$48,740</strong></td>
<td><strong>$227,216</strong></td>
</tr>
</tbody>
</table>

4. Restricted funds

The Society entered into a joint venture with the Alberta Research Council to publish and market the Geological Atlas of the Western Canada Sedimentary Basin. During the year the atlas was published. These funds will be used to pay the remaining costs to complete this project.

The restricted funds consist of cash and short-term deposits.

5. Cost of sales - Schedule 3 and 6

Cost of sales includes a writedown of publications inventory of $86,040 and bronzes inventory of $35,720 to net realizable value.

6. Commitments

The Society has lease commitments for premises and office equipment as follows:

<table>
<thead>
<tr>
<th></th>
<th>1995</th>
<th>1996</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>29,205</td>
<td>24,140</td>
</tr>
</tbody>
</table>

7. Statement of cash flow

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

8. Comparative figures

Certain comparative figures have been reclassified to conform with the current year's presentation.
<table>
<thead>
<tr>
<th>Description</th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and short-term deposits interest income</td>
<td>$34,626</td>
<td>$45,746</td>
</tr>
<tr>
<td>Committee interest income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Convention</td>
<td>3,508</td>
<td>847</td>
</tr>
<tr>
<td>Bulletin</td>
<td>14</td>
<td>-</td>
</tr>
<tr>
<td>Continuing education</td>
<td>-</td>
<td>106</td>
</tr>
<tr>
<td>Environmental division</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Honorary address</td>
<td>12</td>
<td>88</td>
</tr>
<tr>
<td>Logan day</td>
<td>23</td>
<td>-</td>
</tr>
<tr>
<td>Men's Golf tournament</td>
<td>328</td>
<td>2,444</td>
</tr>
<tr>
<td>One day field trips</td>
<td>10</td>
<td>36</td>
</tr>
<tr>
<td>Joint Committee on Paleontographica Monographs</td>
<td>170</td>
<td>298</td>
</tr>
<tr>
<td>1993 Pangea Conference</td>
<td>4,478</td>
<td>-</td>
</tr>
<tr>
<td>Sedimentology display</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Sedimentology division</td>
<td>12</td>
<td>-</td>
</tr>
<tr>
<td>Squash tournament</td>
<td>7</td>
<td>17</td>
</tr>
<tr>
<td>Stanley Slipper</td>
<td>296</td>
<td>200</td>
</tr>
<tr>
<td>Visiting foreign explorer</td>
<td>170</td>
<td>-</td>
</tr>
<tr>
<td>Visiting lecturers</td>
<td>16</td>
<td>54</td>
</tr>
<tr>
<td>10K Road Race</td>
<td>2</td>
<td>13</td>
</tr>
<tr>
<td>1989 Core Conference</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>Other income</td>
<td>1,012</td>
<td>2,619</td>
</tr>
<tr>
<td></td>
<td>$44,687</td>
<td>$52,492</td>
</tr>
</tbody>
</table>
### Schedule 2

**Canadian Society of Petroleum Geologists**  
**Schedule of Operating Expenses**  
**Year Ended November 30, 1994**

<table>
<thead>
<tr>
<th>Item</th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulletin and reservoir expense</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulletin publication</td>
<td>$106,253</td>
<td>$94,017</td>
</tr>
<tr>
<td>Reservoir publication</td>
<td>68,510</td>
<td>58,123</td>
</tr>
<tr>
<td>Calendar</td>
<td>8,881</td>
<td></td>
</tr>
<tr>
<td>Advertising sales committee</td>
<td>2,441</td>
<td>3,591</td>
</tr>
<tr>
<td>Awards</td>
<td>14,468</td>
<td>11,355</td>
</tr>
<tr>
<td>Administrative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual general meeting</td>
<td>808</td>
<td>194</td>
</tr>
<tr>
<td>Bank charges and Visa</td>
<td>7,325</td>
<td>5,770</td>
</tr>
<tr>
<td>Executive committee</td>
<td>15,514</td>
<td>15,852</td>
</tr>
<tr>
<td>Liaison committees</td>
<td>9,380</td>
<td>5,802</td>
</tr>
<tr>
<td>Professional fees</td>
<td>18,094</td>
<td>14,213</td>
</tr>
<tr>
<td>Public service</td>
<td>13,650</td>
<td>4,433</td>
</tr>
<tr>
<td>Office</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer applications</td>
<td>4,906</td>
<td>-</td>
</tr>
<tr>
<td>Equipment purchases, leases and maintenance</td>
<td>15,331</td>
<td>6,944</td>
</tr>
<tr>
<td>Insurance</td>
<td>5,318</td>
<td>5,566</td>
</tr>
<tr>
<td>Office rent</td>
<td>27,421</td>
<td>28,531</td>
</tr>
<tr>
<td>Postage</td>
<td>10,885</td>
<td>8,647</td>
</tr>
<tr>
<td>Salaries and employee benefits</td>
<td>71,262</td>
<td>70,692</td>
</tr>
<tr>
<td>Stationery, supplies and computer associated costs</td>
<td>4,330</td>
<td>4,425</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>404,777</td>
<td>338,155</td>
</tr>
<tr>
<td><strong>Less: Expenses recovered</strong></td>
<td>10,328</td>
<td>4,003</td>
</tr>
<tr>
<td><strong>Net</strong></td>
<td>$394,449</td>
<td>$334,152</td>
</tr>
</tbody>
</table>
## CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
### PUBLICATIONS
#### SCHEDULE OF OPERATIONS
###### YEAR ENDED NOVEMBER 30, 1994

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sales</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atlas</td>
<td>$120,024</td>
<td></td>
</tr>
<tr>
<td>CSPG Publications</td>
<td>43,639</td>
<td>46,980</td>
</tr>
<tr>
<td>AAPG Publications</td>
<td>33,456</td>
<td>24,345</td>
</tr>
<tr>
<td>Joint Publications</td>
<td>7,381</td>
<td>6,181</td>
</tr>
<tr>
<td>Other Publications</td>
<td>14,622</td>
<td>4,758</td>
</tr>
<tr>
<td><strong>Total Sales</strong></td>
<td>219,122</td>
<td>82,264</td>
</tr>
<tr>
<td><strong>Cost of sales (note 5)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inventory, beginning of year</td>
<td>158,655</td>
<td>141,822</td>
</tr>
<tr>
<td>inventory transferred from</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atlas Finance Fund</td>
<td>505,214</td>
<td></td>
</tr>
<tr>
<td>Publication costs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSPG Publications</td>
<td>43,620</td>
<td>43,455</td>
</tr>
<tr>
<td>AAPG Publications</td>
<td>34,947</td>
<td>48,047</td>
</tr>
<tr>
<td>Joint Publications</td>
<td>6,188</td>
<td>4,647</td>
</tr>
<tr>
<td>Other Publications</td>
<td>8,448</td>
<td>10,816</td>
</tr>
<tr>
<td><strong>Total Cost of Sales</strong></td>
<td>757,072</td>
<td>248,787</td>
</tr>
<tr>
<td><strong>Less: Inventory, end of year</strong></td>
<td>264,618</td>
<td>158,655</td>
</tr>
<tr>
<td><strong>Work in progress, end of year</strong></td>
<td>27,950</td>
<td></td>
</tr>
<tr>
<td><strong>Total Less</strong></td>
<td>292,568</td>
<td>158,655</td>
</tr>
<tr>
<td><strong>Net Loss</strong></td>
<td>(245,362)</td>
<td>(7,868)</td>
</tr>
<tr>
<td><strong>Less: Atlas marketing expense</strong></td>
<td>12,799</td>
<td></td>
</tr>
<tr>
<td><strong>Publication sales expense</strong></td>
<td>7,876</td>
<td>1,474</td>
</tr>
<tr>
<td><strong>Net Loss</strong></td>
<td>$266,057</td>
<td>$(9,342)</td>
</tr>
</tbody>
</table>
### Schedule 4

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS**  
**TECHNICAL PROGRAMS**  
**SCHEDULE OF OPERATIONS**  
**YEAR ENDED NOVEMBER 30, 1994**

<table>
<thead>
<tr>
<th>Source of Revenue</th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical luncheons</td>
<td>$189,311</td>
<td>$159,989</td>
</tr>
<tr>
<td>Mannville Core Conference</td>
<td>40,341</td>
<td>125</td>
</tr>
<tr>
<td>Continuing education</td>
<td>37,968</td>
<td>46,249</td>
</tr>
<tr>
<td>Canadian Potential Gas</td>
<td>30,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Honorary address</td>
<td>12,469</td>
<td>5,769</td>
</tr>
<tr>
<td>Field trips</td>
<td>6,516</td>
<td>3,598</td>
</tr>
<tr>
<td>Other</td>
<td>2,102</td>
<td>3,531</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>318,708</strong></td>
<td><strong>229,261</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source of Expenses</th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical luncheons</td>
<td>200,021</td>
<td>151,384</td>
</tr>
<tr>
<td>Mannville Core Conference</td>
<td>5,936</td>
<td>-</td>
</tr>
<tr>
<td>Continuing education</td>
<td>45,874</td>
<td>30,214</td>
</tr>
<tr>
<td>Canadian Potential Gas</td>
<td>14,729</td>
<td>4,445</td>
</tr>
<tr>
<td>Honorary address</td>
<td>16,850</td>
<td>5,781</td>
</tr>
<tr>
<td>Field trips</td>
<td>6,977</td>
<td>3,247</td>
</tr>
<tr>
<td>Visiting lecturers</td>
<td>11,921</td>
<td>7,643</td>
</tr>
<tr>
<td>Other</td>
<td>6,129</td>
<td>4,121</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>308,437</strong></td>
<td><strong>206,835</strong></td>
</tr>
</tbody>
</table>

**Net income**  
$10,271  
$22,426
Schedule 5

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
SOCIAL EVENTS
SCHEDULE OF OPERATIONS
YEAR ENDED NOVEMBER 30, 1994

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dinner and dance</td>
<td>$3,472</td>
<td>$7,711</td>
</tr>
<tr>
<td>Golf and squash tournaments</td>
<td>84,090</td>
<td>64,769</td>
</tr>
<tr>
<td>Logan Day</td>
<td>-</td>
<td>196</td>
</tr>
<tr>
<td>Past President's dinner</td>
<td>849</td>
<td>785</td>
</tr>
<tr>
<td>10K Road Race</td>
<td>5,918</td>
<td>6,147</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>94,329</td>
<td>79,608</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dinner and dance</td>
<td>5,833</td>
<td>12,529</td>
</tr>
<tr>
<td>Golf and squash tournaments</td>
<td>81,757</td>
<td>57,932</td>
</tr>
<tr>
<td>Logan Day</td>
<td>50</td>
<td>167</td>
</tr>
<tr>
<td>Past President's dinner</td>
<td>30</td>
<td>1,891</td>
</tr>
<tr>
<td>10K Road Race</td>
<td>6,799</td>
<td>5,523</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>94,469</td>
<td>78,042</td>
</tr>
</tbody>
</table>

**Net income (loss)** $ (140) $ 1,566
## Schedule 6

### CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

**BRONZES**

**SCHEDULE OF OPERATIONS**

**YEAR ENDED NOVEMBER 30, 1994**

<table>
<thead>
<tr>
<th></th>
<th>1994</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales</td>
<td>$ 20,000</td>
<td>$ -</td>
</tr>
<tr>
<td>Cost of sales (note 5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bronze costs</td>
<td>115,800</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>115,800</td>
<td>-</td>
</tr>
<tr>
<td>Less: Inventory, end of year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work in progress, end of year</td>
<td>50,490</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>20,790</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>44,520</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>(24,520)</td>
<td>-</td>
</tr>
<tr>
<td>Less: Advertising and promotion</td>
<td></td>
<td>11,834</td>
</tr>
<tr>
<td>Net loss</td>
<td>$ (36,354)</td>
<td>$ -</td>
</tr>
</tbody>
</table>
AWARDS

PRESIDENT'S AWARD (F. G. Rick Young, Chairperson)

Two award winners were selected for 1994 President's Awards: Grant Mossop and Bruce Shultz.

Grant Mossop was selected because of his outstanding efforts in launching, directing, managing, co-compiling and editing the Geological Atlas of the Western Canada Sedimentary Basin. This magnificent publication is a technical masterpiece and is probably second to none in the world in terms of geological content and presentation. Grant began selling the idea of a new geological atlas in 1984 and, following an 18-month feasibility study, convinced the CSPG executive that such an atlas should be undertaken. After 10 years of dedicated labour involving countless extra hours of volunteer time, he finally saw the Atlas published in May, 1994. Grant is highly deserving of the President's Award.

Bruce Shultz was co-chairman, along with Neil Rutherford of the CSEG of the 1994 joint convention, Exploration Update '94. This meeting, held in the Calgary Convention Centre in early May, 1994, was one of the most successful ever held by our Society. The technical program featured sessions on international exploration, Mannville stratigraphy, the 'Triangle Zone' structural belt, petroleum source rocks, and many other topics. Several sessions will result in major publications issued by the Society. The convention also attracted a record attendance and resulted in a record net profit for the two sponsoring societies. The results speak for themselves! Bruce's dedication to putting on an excellent show is most deserving of the President's Award.

LINK AWARD COMMITTEE (Rhea Karvonen, Chairperson; Geoff Burrows, Drew Cadenhead, Burns Cheadle, Julius Den Haan, Walt Gamp, Adam Grosjean, Greg Jones, Sandy Laing, Mike Marshall, Bart Scott, Rick Steedman)

The objective of the Link Award Committee, established in 1958, is to encourage a high level of oral presentation of technical papers given by CSPG members before the Society at the noon hour meetings. During 1994, nine papers qualified for evaluation.

The 1994 award winner is James Reimer who presented the paper, Speculations concerning reservoir diagenesis and sourcing of upper and middle Devonian gas fields, Northeastern British Columbia: a hydrogeological perspective.

There have been a number of changes to the committee members in 1994. Adam Grosjean, Drew Cadenhead, Geoff Burrows, Greg Jones and Alan Slater stepped down in 1994. I would like to thank them for their years of participation in the Link Committee. Julius Den Haan and Rick Steedman joined the Committee in 1994, and Chris Link, Bob Leatherbarrow and Doug Flaug have recently joined the Committee for 1995.

A.D. BAILLIE AWARD COMMITTEE (Tim D. Bird, Chairperson)

No report available.

MEDAL OF MERIT COMMITTEE (Dale Issler, Chairperson; Cynthia Riediger, Glen Stockmal, Jeff Packard, John Knight, John Stainforth, Technical Review Committee)

The Medal of Merit is awarded annually for the best paper published during the previous year (1993) on a subject related to the petroleum geology of Canada (excluding papers dealing with production problems and geophysics unless direct implications for petroleum geology are evident).

Committee activities began with the undertaking of a computer-assisted literature search which produced an initial list of papers for consideration. These papers were reviewed by committee members in a preliminary round and, based on these initial evaluations, five papers were selected for final round judging. All five papers were evaluated in detail by each committee member and the medal winner was chosen by unanimous consent during a meeting of committee members.


The chairperson thanks all committee members and their employers for committing their time and expertise to this worthwhile endeavor. He also thanks J. McIsaac (ISPG library) for his help with GeoRef (an electronic literature search).

R.J.W. DOUGLAS MEDAL COMMITTEE (Stephen Greer, Chairperson; Dr. H. Williams, Dr. R. Thompson)

The committee selected Dr. Charles R. Stielack as the recipient of the R.J.W. Douglas Medal. The medal is awarded annually for outstanding contribution to regional tectonics, petroleum and
structural geology and to the general understanding of sedimentary geology in Canada.

Plans for 1995 are to advertise in the geological literature for 1995 award nominations.

It is recommended that the committee structure be changed to have representation from government, university and industry.

CSPG GRADUATE STUDENT THESIS AWARDS COMMITTEE (Christian Viau, Chairperson; Lawrence Bernstein, Andre Chow, Leslie Elui, Stephen Greer, Tony Hamblin, Christopher Harrison, Don Keith, Sylvie Pinard)

The role of this committee is to evaluate M.Sc. and Ph.D. theses which make the most significant contributions to sedimentary and/or petroleum geology in Canada each year. Criteria by which theses are judged include: definition of purpose and success in reaching goals; methodology 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; and depth and thoroughness of research; and, overall effort as well as organization of chapters, quality of writing and effective use of illustrations. Theses presented in "publication-ready" format (an increasing trend in recent years) must, in addition to the above criteria: 1. contain no "phantom" references, i.e., cross-references to papers "in prep" not included in the thesis to support interpretations made in the thesis; and 2. contain a clear explanation of what co-authorship of various chapters reflects. It is acceptable to have references separated by chapters (papers) and a limited number of repetitions of introductory statements and key figures.

Changes to this committee this past year included the departure of Hugh Abercrombie and David Sturrock. We thank them for their contributions. Lawrence Bernstein and Sylvie Pinard have now joined the committee.

The awards for the Masters and Doctorate theses consist of a framed certificate, a one-year membership in the CSPG and a combination of CSPG/AAPG books and/or CSPG field trip registration worth a total of $1,000.

A poster advertisement is sent every spring to all Canadian university geology departments and a notice is posted in the CSPG Reservoir and GAC Geol. 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, 21 M.Sc. and 10 Ph.D. theses were submitted from eight universities. The winner of the M.Sc. award was Kelly J. Arnold (University of Alberta) for a thesis entitled Origin and distribution of eolian sandstones in the Triassic Charlie Lake Formation, Northeastern British Columbia. This study provides a detailed look at the sedimentological eolian environments of the Charlie Lake Formation, its subsurface versus outcrop expressions and the significance of geomorphological trapping for hydrocarbon exploration. An Honourable Mention was given to lan K. Kirkland (University of Calgary) for a thesis entitled, Diagenesis of Mississippian Visean Kiskatinaw Formation, Peace River area, Alberta. This well integrated petrographic and geochemical study documents the complex diagenetic history of the Carboniferous Kiskatinaw Formation and how these changes have affected the nature and variability of these hydrocarbon reservoirs. The winner of the Ph.D. award was Dr. Thomas D. Boreen (Queen's University) for a thesis entitled, Cenozoic cool-water carbonates, southeastern Australia. This study documents the nature of cool water carbonate sedimentation in modern and Tertiary settings. Resulting sedimentological models provided by Boreen will have worldwide impact and applicability to many ancient situations. A short notice, with photograph, acknowledging theses achievements and awards will appear in the Bulletin of Canadian Petroleum Geology.

REGIONAL GRADUATE/UNDERGRADUATE SCHOLARSHIP (Richard Thom, Chairperson; Lorne Rosenthal, Christian Viau, Norm Schulteis)

The CSPG awards annually, on a regional basis, three scholarships to promote graduate studies and research in the fields of geology and marine geoscience related to the petroleum industry. The award is worth $1,500 and is awarded to a graduate in each of three regions in Canada.

The 1994 recipients are:

Ontario/Quebec: Anthony Benincasa (Brock University), Sedimentology and Stratigraphy of the Lower Silurian Grimsby Formation, Lake Erie and Southwestern Ontario.

Steve Donaldson (University of Western Ontario), Depositional Environment of the Upper Cretaceous Bad Heart Formation.

Surprisingly and unfortunately, there were no submissions from Atlantic or Western Canada.

This was the first year for the CSPG/Chevron Graduate Scholarship. Similar to the CSPG Graduate Scholarship, three awards of $1,500 each are available for each of three regions, in Canada.
The 1994 recipients are:

Atlantic Canada: Jeff Lukasik (Dalhousie University), *Graptolite Phylogeny and Morphology from Arctic Canada*.

Trent Rehill (Dalhousie University), *Petroleum Geology/Group Modelling in the Central Maritimes Basin*.

There were no submissions from Ontario/Quebec or Western Canada.

The CSPG/Norcen Undergraduate Scholarship, in the amount of $1,250 was awarded to Selina Tribe at the University of British Columbia.

This is the first year for the CSPG/Devon Undergraduate Scholarship, which is awarded to two Canadian students studying at Canadian universities. The 1994 recipients are: Evsen Aydemir, studying at the University of Calgary, and Nicole Underhay from Memorial University.

**UNDERGRADUATE STUDENT AWARDS COMMITTEE** (Indranee Raychaudhuri, Chairperson)

The Undergraduate Student Award is presented annually to one undergraduate student from each university across Canada. The students are chosen by their professors for demonstrating outstanding proficiency in petroleum geology or the related fields of sedimentology, stratigraphy, palaeontology and structural geology. The students each receive a framed, embossed certificate and a one-year membership to the Society.

The 1993-94 Undergraduate Awards were presented to the following students:

Acadia: Geoff E. Day

Alberta: Connie Raatz

Brandon: Roger Young

British Columbia: Krista J. Nelson

Brock: Guy Guindon

Calgary: Pamela Lall

Carleton: Kendra Shaw

Concordia: Peta H. McLoughlin

Dalhousie: Roger Edgecombe

Guelph: John W. Johnston

Lakehead: Peir Pufahl

Laurentian: James P. McDonald

Manitoba: Brad Spence

Mount Allison: Allan W. Lines

McGill: Erin O’Brien

McMaster: Lorraine McIntosh

Memorial: Jill McLean

Montreal: Normand Noel

New Brunswick (Fredericton): Alastair Still

New Brunswick (St. John): Sean McLenaghan

Ottawa: Kelli Powis

Quebec a Chicoutimi: Dominic Babin

Quebec a Montreal: Anne-Marie Pichette

Queen’s: Karen M. Fallas

Regina: Angelle Berault

St. Francis Xavier: Barry P. LeBlanc

St. Mary’s: Mary Feetham

Saskatchewan: Melanie C. Kelman

Toronto: Aiko G. Goldthorpe

Victoria: Jamie Light

Waterloo: Astride Silis

Western Ontario: Elizabeth Webb

Windsor: Nina Kitsos.

This year’s response for candidates for this award was nothing short of phenomenal. The addition of Lakehead, Laurentian, McGill, New Brunswick (Fredericton), Quebec a Montreal and Toronto allowed the Society to reward six more deserving students than last year. I’d particularly like to thank the contact professors at each of the Universities, the staff at the CSPG office, Lois Diamond, and Christine Harding for their considerable efforts in making my job a lot easier.

This was my inaugural year as committee chairperson for this committee of one. I took over the duties from long-time chairperson Greg McTavish and I’d like to especially thank him for his patient assistance over this past year while I learned the ropes.

**WEBB MEMORIAL TROPHY & CSPG TROPHY**

(Keith Bottrell, Chairperson)

The 1994 Summary of Activities is as follows:

The Canadian Society of Petroleum Geologists awards the best student presentation at each of the three Inter-University Geological Conferences across Canada. The best student presentation at each conference is rewarded with a $100 Publication Award consisting of CSPG publications of his/her choice. The Society also grants the hosting university a $500 grant to help with costs associated with these conferences and a trophy, donated by the CSPG for each conference, is presented to the best speaker. This trophy is engraved with the winner’s name and is kept at the winner’s university for a year, until the conference is held the following year.

**1. THE JOHN B. WEBB MEMORIAL TROPHY**

was awarded to the best student paper presented at the Western Inter-University Geological Conference.
The 1994 Conference was hosted at the University of British Columbia in January, 1994. This year's winner was Selina Tribe, a student at the University of British Columbia, for her talk entitled *Origins and Evolutionary Trends of Martian Outflow Channels*.

2. **THE J.A. DOWNING MEMORIAL TROPHY** for Central Canadian Universities was not presented in 1993 or 1994 as the Conference was cancelled. It is anticipated that it will be held in 1995.

3. **THE CSPG TROPHY** is awarded to the best student presentation at the Atlantic University Conference (A.U.G.C.), which was hosted by Dalhousie University, Halifax in October, 1994. The best student presentation at this conference was Geoffrey Davis from Saint Mary's University for his talk entitled, *Microfossil Evidence of Holocene Salinities and Sea Levels in the Gulf of St. Lawrence and off the northeast coast of Newfoundland*.

I am the only member in this committee and have had this position for the past 14 years and am interested in turning this over to someone else for 1995 and beyond. It does not take a lot of time and consists of contacting the three universities each year prior to their conferences and arrange for the Publication Award and $500 Grant through the CSPG.

If you have any questions regarding this year's activities or the running of this committee, please do not hesitate to call.

**HONORARY MEMBERSHIP COMMITTEE (N.J. McMillan, Chairman; 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.

Seven nominations were considered by the committee and the CSPG Executive. Lawrence Louis Sloss was selected as Honorary Member for successful, scholarly work in stratigraphy and teaching. A second Honorary Member was selected -- Alfred Ernest Pallister for his dedication as Vice President, President and Past President of the CSPG.

**TRACKS, SERVICE, & VOLUNTEER AWARDS**

(P. Putnam, S. Riddell Rose)

Track Award Winners in 1994 are:

Benoit Beauchamp
Blythe Slater
Lisa Henri Kirkland
Rory Hankel
Sue Riddell Rose
Ric Sebastian.

Volunteer Award Winners in 1994 are:

Don Keith
Bruce McIntyre
Craig Lamb
Ben Robertson
Gary Smith
George Eynon
Bill Hasket
Dean Potter
Syed Hasan
Steve Birnie.

**STANLEY SLIPPER GOLD MEDAL** (Ian McInerney, Chairperson; Jim Kirkor, Alice Payne, Amie Neilson)

Dr. Gerald G. L. Henderson is the 1994 winner of the Stanley Slipper Gold Medal. It is awarded to an individual who has made an outstanding contribution to petroleum exploration in Canada. This contribution can encompass one or more of a number of activities related to petroleum exploration. The Gold Medal was designed by Calgary sculptor Bob Stowell and has been cast by Birkks.

Six nominations were considered by the committee.

**DIVISIONS**

**CANADIAN POTENTIAL GAS COMMITTEE (CPGC)** (A. A. (Art) Wilkins, Chairperson, replaced Jim MacDonald in September 1994, A. E. (Fred) Calverley, Vice-Chairperson, E. G. (Ed) Pettie, Treasurer)

As a result of a meeting of industry and government representatives, hosted by the Canadian Energy Research Institute (CERI) on April 25, 1991, industry consensus was reached to establish the Canadian Potential Gas Committee (CPGC).
The objective of the committee is to provide ongoing assessments of the ultimate recoverable natural gas resource potential in Canada's sedimentary basins. The committee's role is similar to the United States Potential Gas Committee (USPGC), which has published gas assessment reports for US basins every two years since 1966. Based on recommendations from the natural gas industry, the committee's first publication will concentrate on the conventional gas resource in the Western Canada Sedimentary Basin. Publication of the first CPGC report is targeted for late 1995.

The reports published by the committee will benefit industry and government decision-makers by increasing the understanding of the range of Canada's gas resource potential that remains to be discovered. This knowledge will be a critical component for natural resource planning purposes.

At present, there are approximately 30 - 35 volunteers, mainly geologists, involved in the committee's activities. Large and small exploration companies operating in western Canada are represented. Other support to the committee, such as office space and services, has been provided by Alberta Energy and Chevron Canada.

Regional Operating Committees have been established with the responsibility for compiling and analyzing geological, geophysical and reservoir engineering data to develop estimates of undiscovered gas potential. The chairpersons for the Regional Operating Committees are:

Bob Meneley, Alberta
Alice Payne, British Columbia
Alf Hartling, Sask/Manitoba
Tim Hawking, North of 60
Terry Carter, Central Canada
Don Sherwin, Atlantic Offshore
Peter Savage, Coal Bed Gas.

Funding for the committee for 1994 was provided by the Canadian Energy Pipeline Association (CEPA). Support and endorsement for the committee and its mandate have also been received from the Canadian Association of Petroleum Producers (CAPP) and other groups including: ERCB, NEB, GSC/ISPG, USPGC, CERI, GNWT, U of C, CSPG, CSEG, and the Geoscience Council of Canada. The committee plans to be self-sustaining through industry sponsorship and future publication sales.

Other significant highlights of Gas Committee activity for 1994 included:

- The purchase of required computer hardware and software to conduct resource assessment; this is operational with data sets from ERCB and BC Ministry.
- Presentation by Bob Meneley of a paper at the September 7 CSPG luncheon meeting on methodology procedures and the results of screening runs from the resource assessment of the Swan Hills Formation in Alberta.
- Maintenance of liaison with USPGC through attendance of committee volunteers at meetings in Corpus Christi and Hyannis.
- Representation by the Gas Committee at Global Gas Technology Workshop in Vail, Colorado in September.

STRUCTURAL GEOLOGY (Paul MacKay, Chairman, Roland Dechesne (Pan Canadian), Thomas Kubli (Mobil), John Varsek (Amoco), Jeff Reid (Suncor) and Andy Newson (Moose))

The past year has been an exciting year for the Structural Geology Division. The high level of activity in the Foothills by the petroleum industry has generated a substantial interest in structural geology and this interest has spilled over into the Structure Group. The highlight of the year was the special session, Geology of Triangle Zones: Geometry, Kinematics and Mechanics, held at the CSPG - CSEG National Convention in May, 1994. This meeting was very successful with speakers and attendees from around the world. A special issue of the O2 is being planned with papers presented at this session. This publication should be out in December, 1995. The success of this venture is due in part to the organizing committee who contributed a significant amount of their time to ensure that the session would run smoothly. A field trip was offered in conjunction with the triangle zone session. This trip was oversubscribed and run twice to allow everyone to attend.

The Structural Geology Division has also maintained two technical presentation series through the past year. An evening session is held on the first Monday night of the month at the ISPG. A second lunch time session (chaired by Thomas Kubli) is held at Mobil Tower. Attendance at both sessions is large and it is anticipated that this trend will continue into the next year. The first evening session in the fall is reserved as a special slide night where anyone can show 2 to 4 slides on something that they find interesting related to structural geology. Approximately a dozen people showed slides and discussed them in depth after the meeting in the Grad Lounge. This is proving to be a popular evening and there are plans to launch a series for the CSPG Calendar in the new year. A list of speakers and titles are listed below:
LUNCH TIME TALKS
Peter Jones (International Tectonic Consultants Ltd.) - January 19
Structural geology of the Frank Slides or the fatal difference between a fault-bend fold and a fault-propagation fold.
Bruce Wrightson (Gaia Resources Ltd.) - March 23
Moose Mountain: an example in defining a structural play using outcrop and dipmeter orientation data.
Andrew Newson (Consultant) - April 27
Down plunge viewing, a workshop.
Maks Posavec (Demofrac Geo-System International) - May 31
Transpressional underthrusting, a tectonic model for the Western Canada Basin and the associated fold and thrust belt.
Andrei K. Khudoley (VSEGIE, St. Petersburg, Russia) - October 4
Geology of the Verkhoyansk Mountains: an analogue for the southern Canadian Cordillera.
David Hodgetts (Midland Valley Exploration, Glasgow) - November 30
Flexural isostasy concepts used in modelling geologic sections.

EVENING TALKS
Mar. Dave Kiepacki, PanCanadian Petroleum Limited: Thrust fault linkage and considerations for trap integrity.
Apr. John Varsek, Amoco Canada Petroleum Company Ltd.: Tectonic inheritance and basin development, northeast British Columbia.
May Andy Skuce, Husky Oil Ltd.: Aspects of structure in the hanging walls of normal faults: the neglected role of differential compaction.
Nov. Shumin Liu, Husky Oil Ltd., D. C. Lawton and D. A. Spratt, University of Calgary: Three-dimensional geometry and fault displacement study of structures in the central Alberta Foothills.
Dec. Andrew C. Newson, Consultant and M. Darbouset, CGG Geophysics Canada Ltd.: 3D and 2D Seismic as tools for understanding the internal structure and the regional setting of a Mississippian duplex in the Pocketknife Field of NE British Columbia.

The annual field trip was held on September 9th and 10th. Don Norris (retired GSC) led a group of 30 people to Grassly Mountain north of Blairmore. Over 15 organizations were represented at the field trip including retired members wanting to keep updated on the advances in geology. This trip typifies the structure group as it is both a technical and social excursion.

The ad hoc committee of the Structural Geology Division consists of Roland Dechesne (PanCanadian), Thomas Kubili (Mobil), John Varsek (Amoco), Jeff Reid (Suncor) and Andy Newson (Moose). This group has been together for two years and is putting in a substantial effort in the Structure Group. There are some specific reasons for the recent success of the Structure Division. The group does not have a financial position. All costs have either been covered by particular companies willing to make a contribution to the group or have been borne by the individuals attending the function. This has alleviated the group from all financial accounting responsibilities and allowed the energy of the group to be directed to the planning of the event. Another factor in the recent success of the group has been widespread support by a variety of companies and institutions (list attached at end). The members of the ad hoc committee are different companies. This allows the group to draw on a broader base for support; as well, it reduces the amount of inbreeding of thought and inward direction in planning. There is a large group of talented, capable people interested in helping with the Structure Group and these people should provide excellent leadership in the coming years.

The 1995 Structural Geology Division chairman will be Thomas Kubili of Mobil Canada who will be responsible for the evening technical session, the annual field trip, liaison with the CSGP executive, and overall leadership of the group. The co-chair and organizer of the lunch time technical session will be Jeff Reid (Suncor Inc.).

COMPANIES AND INSTITUTIONS SUPPORTING THE CSGP STRUCTURE GROUP
Moose Oils Ltd.
Morrison Petrolemus Ltd.
Mobil Oil Canada Ltd.
Amoco Canada Petroleum Company Ltd.
Rigel Energy Corporation
PanCanadian Petroleum Limited
BFR Geophysical Consultants
Husky Oil Ltd.
Institute of Sedimentary and Petroleum Geology
Suncor Inc.

SCIENTIFIC PROGRAMS

TECHNICAL PROGRAM COMMITTEE (John
Hogg/Don Keith, Co-Chairpersons; Shauna
Christensen, Speaker Thanker; Kirk Ozadetz;
Blake Ford/Joey Wright/Colleen Sherry,
Projectionists)

The 1994 Technical Program Committee held
19 talks over the year, attracting almost 12,000
members and friends. The average attendance
was 629 which is slightly up from 1993. Talks
covered a wide range of the Canadian Petroleum
Industry focusing on the Western Canadian
Sedimentary Basin. Talks on various geological
aspects of the Western Canadian Sedimentary
Basin included Tectonics, Taphonomy and
the number of Dinosaurs, Upper Cretaceous in
Central Alberta, Mannville Group regionally,
Triassic in the Peace River Arch, Cretaceous in
Central Alberta, Mannville Group regionally,
Triassic in the Peace River Arch and Devonian of
northeast British Columbia. These proved to be
popular, the most popular being a review of
Incised Valley-Fill Systems in the region. A pre-
sentation was given on gas pipeline development
plans in Alberta and British Columbia. Another
highlight was a talk on the Society-sponsored,
newly-released Geological Atlas of the Western
Canada Sedimentary Basin. Petroleum Basins of
the former U.S.S.R. and China were addressed
in several presentations. A number of talks were
concerned with other aspects of our industry
including the global factors which influence the
Canadian Petroleum industry, a stock market
perspective and a new evaluation approach.

Sincere thanks to all speakers for their much
appreciated efforts and to the many Division
Chairpersons for their suggestions of talks.
Thanks also to Deanna Watkins of the Society
Office for her tireless efforts in getting the tickets
out and to the many ticket co-ordinators for
a continued job well done. The committee
welcomes suggestions of all members on how
we can improve what continues to be one of
the most successful activities of the Society.

The 1994 CSGA technical presentations are
listed below, followed by the attendance in
parentheses.

Jan. 13 M. El Hashemi, I.T.A.T. Consultants
Ltd.: Reappraisal of Triassic
Hydrocarbon, Potential in the Peace
River Arch. (700)

Jan. 25 Hans von der Dike, Chem Terra Inter.: Subsurface and near surface, hydrocar-
bon gas signatures as indicators for
deeper potential: New, geochemical/numerical techniques in exploration.
(480)

Feb. 7 Paul Ziff, Ziff Energy Group: Adding
Value Through Exploration – A New,
Evaluation Approach. (475)

Feb. 22 David A. Eberth, Royal Tyrell Museum: Tectonics and Taphonomy: Why Does
Alberta Have So Many Dinosaurs?
(480)

Mar. 14 Brian A. Zaitlin, Pan Canadian
Petroleum, Robert W. Dairymple,
Queen's University, Ron Boyd,
University of Newcastle, NSW,
Australia: The Stratigraphic Organization
of Incised-Valley Systems: Implications
For Exploration and Exploitation in the
Western Canada Sedimentary Basin.
(975)

Mar. 30 Gregory F. Ulmishek, AAPG
Distinguished Lecturer, United States
Geological Survey: Geology and
Exploration Potential of Major
Petroleum Basins in the Former
U.S.S.R. (647)

Apr. 13 Monzer S. Shawa and Ernie Spurgeon,
Shawen Geoconsultants Ltd., Sdurt, Jain,
Shawen Petroleum International, Li-
Ping Yuan and David Cuthell, Alberta
Research Council, Wang Ronghua, Jin
Chengzhi and Deng Zwen, Daging
Petroleum Admin. Bureau, China: The
Sedimentology, Seismology and
Reservoir Characteristics of the San
Zhao Sub-Basins of China. (438)

Apr. 26 Douglas Cant, Geological Survey of
Canada: Marnville Stratigraphy and
Sedimentology. (896)

May 2 Richard Wyman, Peters & Co. Limited,
Calgary, Alberta: Stock Market
Perspective of the Canadian Oil and Gas
Industry. (692)

May 17 Jack Wende, Geological Survey of
Canada: Acturalistic Carbonate
Sequence Stratigraphy: Application to
Exploration in the Devonian Jean Mane
Limestone of Northeastern British
Columbia. (697)

Jun. 22 John Shiry, Woodside Research Ltd.: Global Factors Shaping the Canadian Oil and Gas Industry. (552)

Sept. 7 Robert A. Meneley, Meneley Enterprises Ltd.: The Swan Hills Gas Play, An Example of an Assessment Methodology to be Used by the Canadian Potential Gas Committee. (429)

Sept. 21 Jim Underschultz, Hydro Petroleum Canada Ltd.: Regional Hydrogeology of Northeast Alberta. (542)


Oct. 25 Bruce Power, Chevron Canada Resources Ltd.: Sedimentology and Aminostratigraphy of the Lea Park - Belly River Transition in Central Alberta. (804)

Nov. 15 James D. Reimer, Home Oil Company: Speculations Concerning Reservoir Diagenesis and Sealing of Upper and Middle Devonian Gas Fields, Northeastern British Columbia: A Hydrogeological Perspective. (674)


ONE DAY FIELD TRIP COMMITTEE (Chuck Buckley, Chairperson)

63 Geologists and associates, 5 trip leaders and 4 trip co-ordinators were treated to some of the best summer weather on record as they hit the rocks for some learning and leisure.

Our June trip to the Triangle Zone near the Wildcat Hills west of Cochrane, Alberta, was ably led by Greg Soule (Amoco).

A bus load travelled to view the Burgess Shale on Mount Wapta in Yoho National Park in late July. Dr. Des Collins from the Royal Ontario Museum provided an in depth view of the wonders of the Burgess Shale.

Rob MacDonald (Consultant) and Graeme Bloy (Chauvee) led a trip to scramble above Chester Lake in the Kananaskis Area examining the Upper Mississippian. Rudi Meyer (University of Calgary) presented a new and expanded interpretation of outcrops of the Milk River Formation at Writing-On-Stone Provincial Park on a two day field trip in September.

The committee extends their gratitude to the technical leaders of the trips. Committee members Dave Bonnar (Amoco), Brad Maynes (Quadron), Mohsen Ragheb (Mobil), Dean Williams (Beau Canada), and Chuck Buckley (Dominion Explorers) are to be congratulated for excellent, responsive efforts in co-ordinating the field trips.

Ideas for future trips are always welcome – please contact any committee member.

HONORARY ADDRESS (Rob MacFarlane, Phil Roulston, co-chairmen, Frank Chappell, Greg Jones, Barb McAlliffe, Chris Steudler, Ken Lewis, and Sherman Hirowtari)

The Honorary Address is an annual public presentation presented by a prominent member of the scientific community sponsored by the Canadian Society of Petroleum Geologists to promote the field of science. The Honorary Address was again held during National Science and Technology week on Tuesday, October 18, at the Jubilee Auditorium. This year’s Address was the most successful ever, attendance was 2,126 (1,267 adults and 839 students).

Dr. David Suzuki, widely known as a geneticist, author, and broadcaster presented his lecture on “Time To Change: The Challenge For The Next Millennium.” Dr. Suzuki received his B.A. Honours from Amherst College in Amherst, Massachusetts and his Ph.D. in: Biology from the University of Chicago, in Chicago, Illinois. He is currently a professor within the Zoology Department at the University of British Columbia, Vancouver, B.C. Dr. Suzuki’s presentation was most thought-provoking and described how this century has witnessed explosive growth in population, consumption and global economics. These factors, he stated, have led to massive disruptions within the biosphere and it is our challenge to generate a strategy for change that will preserve and protect the environment and quality of life.

Corporate sponsorship is a major part of the Honorary Address. Without this support, the Address would not be viable. The committee would like to thank McArt Printing for their work on the poster, Bozek-Lai for the poster design.
and the Westin Hotel for providing accommodation for Dr. Suzuki. Many thanks to the companies which generously provided financial support. These companies are:
Petrei Roberston Limited
Rigel Energy Corporation
Canadian Hunter Exploration Limited
Renaissance Energy Limited
Mark Resources Inc.
Pinnacle Resources Limited.

Committee members are to be congratulated for their dedicated work in making the 1994 Honorary Address a success. Continuing for 1995 are Rob MacFarlane (Husky Oil), Phil Roulston (Talisman Energy), Greg Jones (Husky Oil), Chris Steudler (Columbus Energy), Sherman Hirowatari (Wainoco), and Ken Lewis (Pinnacle Resources). Retiring committee members are Barb McAulliffe and Frank Chappell. The committee thanks Barb and Frank for their contributions during their years on the committee.

VISITING LECTURER COMMITTEE (Mel Chambers, Chairperson; Henry Klassen, Harold Klassen)

This committee is responsible for recruiting and making arrangements for lecturers representative of the CSPG to make their presentation to the Earth Science Departments of Canadian Universities. This committee strives to send a speaker to each university at least once every two years. Since 1971 a total of 50 speakers have made 377 presentations to these universities. This includes the Link Award Tour and the Visiting Lecturer Tour.

This year we organized four tours.

In February, Dr. Fons Dekker (Dekker & Associates) presented his Link Award winning talk entitled Hydrocarbon Exploration Applications of Remote Sensing to Windsor, Waterloo, McMaster, Laurentian, and Regina universities.

In March and September, Dr. Jack Wendte (Geological Survey of Canada) presented his lecture entitled Actualistic Carbonate Sequence Stratigraphy: Application to Exploration In The Devonian Jean Marie Limestone of Northeast British Columbia to the following universities: Manitoba, Brandon, Saskatchewan, Alberta, British Columbia, New Brunswick, Acadia, St. Francis Xavier, Dalhousie, and Memorial.

In October, Eric Pauuwe (Schlumberger of Canada) and Roger Dueck (Kimberly Resources Ltd.) presented their Link Award winning talk entitled, The Use of Borehole Imaging Techniques In The Exploration For Stratigraphic Traps: An Example Of The Middle - Devonian Gilwood Channels In North-Central Alberta to the following universities: Laval, Concordia, Queens, Ottawa/Carleton and Toronto.

We thank Dr. Dekker, Dr. Wendte, Mr. Pauuwe and Mr. Dueck for their efforts.

For 1995, the committee is currently organizing a tour for Mr. Pauuwe and Mr. Dueck to visit the universities of Victoria, British Columbia, Alberta, Regina and Saskatchewan in February. We are currently looking for a speaker to send to Waterloo, Western Ontario, Windsor, McMaster and Brock universities in March.

In December, Henry Klassen will become chairperson of this committee. I wish Henry and his committee all the best in their endeavours. I also want to thank both the lecturers and universities for their support and co-operation.

VISITING PETROLEUM GEOLOGIST (Brent Snyder, Chairperson; Paul Poscente)

The 1994 Visiting Petroleum Geologist (VPG) tour was successfully carried out by Geologist Dave Robinson of Canadian Hunter Exploration Ltd. and Paul MacKay of Morrison Petroleum Ltd. Dave visited Memorial, Dalhousie, Toronto, Western Ontario and Laurentian universities in the East, presenting his talk Father B Exploration - An Analog from Outcrop to Subsurface. Paul's presentation, Technical, Economic and Environmental Risk vs. Reward - Exploration Within the Foothills, Southern Alberta, was given to the Universities of Calgary, Victoria and British Columbia. Both speakers reported good attendance for their visits. Dalhousie and Laurentian were exceptional in that their audiences, which numbered 50 or more, consisted of students, faculty members and petroleum and mining geologists employed locally.

The 1994 VPG tour differed from previous years in that an attempt was made to visit as many universities as possible. In the past, approximately 5 to 8 institutions were visited by the Visiting Petroleum Geologist with the sponsoring company choosing the universities. This year, the CSPG Executive felt it very important to communicate the message of increased petroleum industry activity and that students with the proper educational background may be able to capitalize on future employment opportunities. With the help of CSPG Executive members Rick Young, Peter Putman, Alice Payne, George Eynon, and Kevin Polon, 10 additional universities were visited all under the umbrella of the VPG Program. Between the VPG speakers, Dave, Paul and the VPG executive members, 18
institutions were visited, making this the most comprehensive VPG tour to date.

The VPG committee would like to thank Dave Robinson, Paul MacKay and the CSGP executive members for carrying out the 1994 VPG tour. Thanks also to Canadian Hunter Exploration Ltd. and Morrison Petroleum Ltd. for providing financial support. Unlike previous years, funding was also provided by the CSGP and if this is to continue, a budget will have to be submitted.

Planning is underway for the 1995 VPG tour and presently no speaker or speakers have been identified. We encourage volunteers to step forward as we feel this program offers the petroleum industry an excellent opportunity for promotion and a chance to interact with the academic community on a more informal level. The VPG can give something back to the universities by providing them with a working geologist's perspective on the industry.

**VISITING PETROLEUM GEOLOGIST PROGRAM, 1994**

**SUMMARY OF UNIVERSITIES VISITED**

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<td>Dave Robinson</td>
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**CONTINUING EDUCATION COMMITTEE**


**CSPG ADVANTAGE PROGRAM (TECHNICAL TRAINING)** (Bill Ayton, Chairman; Dale Cederwall, Cindy Riediger, Mike Laberge)

This new program was initiated to provide explorationists with advanced petroleum geology training on specific stratigraphic units in the Western Canada Sedimentary Basin, which are significant in hydrocarbon generation and entrapment.

The Advisory Committee has polled industry to evaluate which courses would be of most interest to those working explorationists involved in the exploration and exploitation of oil and gas in Western Canada.

Five courses are now being planned for 1995, namely:

- The Geology of Western Canada
- The Winterburn (Upper Devonian)
- The Triassic
- The Mississippian
- The Mannville (Lower Cretaceous)

and five sub-committees have been struck to organize each of the courses. A "Request for Information" has been made available to potential instructors who may wish to participate in the program.

The actual course outlines will vary however each course will likely be five days in length with three days of lectures, one day at the ERCB Core Research Centre and one day in the field. Based on demand, courses may be presented twice a year.

Our mandate is to produce courses of the highest quality that will set standards for geological excellence that has always been the trademark of the CSPG. Additional courses will be planned for 1996.

We are excited about the future potential of this program. It is something that has been needed for a long time and we believe it will be with us for years to come.

**CONTINUING EDUCATION COMMITTEE**

(Virginia Trappell, Chairperson; Jana Kin, Treasurer; Graeme Bloy, Maggie Kasekende, Dianne Leonhardt, Althea Lincoln, Bob Millspaugh (AAPG); Lynne Chrumka, Suzan Moore, Jennifer Sadee, George Huff, Joseph Eng and John Macleod)

The committee advertised nine courses in total and ran five instead this year. Two courses were cancelled due to insufficient registrants. The following is a list of the courses run accompanied by the unaudited gross and net revenue figures.
How To Start Your Own Oil & Gas Company by BizMatch Inc. (Attendance 29) 03/05/94; $4,134.72/$528.17

Evaluation and Risk Analysis of Canadian Oil and Gas Properties by Sproule Associates Limited (Attendance 24) 03/21-24/94; $19,786.79/$1,147.30

Petroleum Exploration in Fold and Thrust Belts by Dr. Peter Jones (Attendance 22) 11/23-24/94; $7,697.65 (estimated) /$1,197.46 (estimated)

The Stratigraphic Organization of Incised Valley Systems by Brian Zaitlin et al. (Attendance 25) 12/14-15/94; $12,697.04 (estimated)/$2,509.53 (estimated)

Total unaudited and estimated gross and net revenue; $53,864.13/$5,620.25 with a net profit return of 10.8%.

This year, there was a drop of 25.1% net profit return in comparison to a profit of 36.9% last year. The decrease in revenue was due to an increase in payout to the instructors plus unexpected advertising charges by the CSGP Reservoir.

Special thanks and recognition are given to everyone who extended their help to the committee, especially to Jana King, Jennifer Sadee, Suzan Moore and George Huff for their part of making this committee another successful year this success.

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 Burrows, Co-Chairs; John Corkery, Leslie Eliuk, Ken Potma, Brian Pratt, Malcolm Simpson, Kevin Stromquist, Nigel Watts)

REPORT OF ACTIVITIES 1994

After a short hiatus, we are back in full swing. The panels for the display are presently being prepared for editing, as most of the technical gathering has been completed. Geoff's hard work in this regard has been instrumental.

The other two displays will once again be touring post-secondary campuses across the country in the coming school year, and thanks go to The University of Calgary and Jon Greggs for storing these while they are in Calgary.

Thanks to all the committee members for their assistance and patience as we come to completion of this project entitled "Carbonate Buildups of Canada Through Time".

CONFERENCES, CONVENTIONS, SEMINARS, AND SYMPOSIA

1994 CONVENTION COMMITTEE - CSGP-CSEG EXPLORATION UPDATE '94 (Bruce Shultz, Neil Rutherford, Co-Chairperson; James Dobson, A.R.(Tooney) Fink, Technical Co-Chairperson; Ian Young, Entertainment; Loren Snyder, Exhibits; David Nordin, Sponsorship; Brent Snyder, Logistics; Ellen Biasucci, Publicity; Genga T. Nadaraju, Registration; Ross Lennox, Treasurer; George Fairs, Secretary; Bren Snyder, Kathy Moncreiff, Mike Salinas, Arrangements; Lorne Snyder, Heather McQuay, Exhibits; Ian Young, Don Fyvie, Tom Podivinsky, Entertainment; Cam Taylor, Ron Gutiw, Derek Bock, Printing; Genga Nadaraju, Registration; Ellen Biasucci, Publicity; Dave Nordin, Lucie Marinier, Laurie Ross, Sponsorship; Karen Cameron, Dinner Dance; Louis Hampson, Debbie Bradley, On Site Registration; Heather Payne, CSEG Office; Sheila Dylke, CSEG Office; James Dobson, Tooney Fink, Hans Wielens, Steve Travis, Dean Prvins, Daryl Wightman, Suzan Moore, Fred Peterson, Rick Wallace, Doug Pruden, Scott Jamieson Larry Herd, Fons Decker, Bob Bleaney, Ken Hedlin, David James, Michael Enachescu, Roland Dechesne, Peter Dankers, Sauner van Dijk, Jeff Packard, Ron Spencer, Chris Viau, Ian Hutcheon, Ian Muir, Hamid Majid, George Pemberton, Al Baxter, John Varsek, Thomas Kubli, Paul MacKay, Andrew Newson, Jeff Reid, Jana King, Dave Robinson, Ajit Silas, Barb McAuliffe, Lorainne Silas, Andrea Henry, Karen Uelcic, Bob Mummy, Technical; Bruce Shultz, Neil Rutherford, Co-chairmen)

This year the annual convention was a joint CSEG/CSPG EXPLORATION UPDATE held once again at the Calgary Convention Centre. Traditionally the CSEG and CSPG hold joint conventions every five years. The theme was, "Calgary, Western Canadian and International Expertise" and a modest number of international papers were presented.

Attendance at this year's convention was about the same as the 1989 joint convention, but pre-registration numbers were considerably lower (1800 vs. 2600 in 1989). The situation caused considerable concern leading up to the convention and some operational difficulties during the convention itself. Short courses, field trips and a Mannville Core Symposium were offered in
1994 REPORT OF ACTIVITIES

conjunction with the convention. Fourteen short courses were offered which resulted in a $12,000 profit for the societies; six field trips were offered (two were subsequently cancelled) and resulted in a modest $4700 profit. The Mannville Core Symposium was run as an independent function with $34,000 collected and distributed to the CSPG for the purpose of publishing a Mannville Memoir.

Exhibitors were eager for booth space this year and the committee made efforts to accommodate as many companies as possible. Booth allotments were restricted and the society booths were moved to the Level Terrace. Eighty-nine companies were represented at this year’s convention.

The opening cocktail party was held at the Devonian Gardens -- a slightly different venue and theme. The opening technical session was industry leaders giving their views on the near future of the industry. The Technical Committee cajoled enough speakers to fill an impressive six concurrent oral sessions for the full three days. Additionally, a good representation of poster sessions were presented.

Final attendance was 3091 delegates including 186 students. With the addition of VIP passes and paid exhibit workers, overall attendance surpassed 3700. Luncheons were well attended with 419 tickets sold for Dr. Tomorrow (Frank Ogden) and 727 for Dilbert cartoonist Scott Adams.

A profit of $350,000 was split evenly between the CSEG and the CSPG.

In closing, we would like to acknowledge the many hard working committee members who spent up to 1½ years planning this event. They put in a solid effort and deserve recognition for the production.

MANNVILLE SYMPOSIUM (David James and Daryl Wightman)

The Mannville Symposium, comprised of five oral sessions and an associated Core Conference, was part of the CSPG/CSEG Joint Convention held in May. The symposium was one of the highlights of a very successful convention, with overflow attendance at many of the oral sessions. The Core Conference was similarly well attended by over 500 delegates. Twenty-three papers, covering various aspects of the Mannville Group in the Western Canada Sedimentary Basin, were compiled into a 368-page Core Conference publication which was distributed to all participants. Funds derived from this conference have been earmarked for the publication of a CSPG Memoir, which is currently being prepared.

1994 SYMPOSIUM ON PETROLEUM SOURCE ROCKS: FORMATION, DIAGENESIS AND EXPULSION (Marc Bustin, Chairperson; Steve Calvert, Chairperson; Hans Wielens, Chairperson/secretary/treasurer)

No report available.


The Economic Integration of Geology and Formation Evaluation (Glenn Wright, Chairperson; Taras Dziuba, Co-chairperson; Graeme Bloy, Peter Kubic, Brad Hayes, Technical Program, including Poster Sessions; Ric Sebastian, Finance; Craig Lamb, Printing; Holly Raddysh, Convention Facilities; Jeff Levack, Exhibits; Chris Molaro, Registration; Glenn Gray, Publicity; Norm Wardlaw, Short Courses & Student Affairs; Colin Yeo, Core Sessions; Joan Carter, Field Trips; Maggie Schofield, Special Events; Patti Shannon, Sponsorship)

The dates for this first joint symposium of the two Societies are May 28 - 31, 1995, but events will start before that with pre-symposium courses, field trips and a golfing get-together, and continue afterwards with the core sessions and other programs. The team is well on its way to our self-imposed mission “to organize and execute the symposium as a technically useful event that will be enjoyable and benefit both of our Societies, the petroleum industry, and our community”. Our stated goals are five-fold: 1. to promote communication by increasing the visibility, content and significance of the poster sessions and the core workshop; 2. to provide a timely and permanent record of the event by producing a pre-symposium publication (i.e., the program abstracts, core session notes, etc... the CWLS will publish some of the presentations in their 1995 journal); 3. increase dialogue between CSPG and CWLS members; 4. to provide a socially and intellectually attractive program of lunch time and evening events, field trips and courses; and 5. to break even... or to be moderately profitable.

The first circular and call for papers went out with the help of sister societies in October, 1994 to a large audience in Canada and the USA. The session chairmen are responsible for soliciting their speakers in the 16 sessions expected, which include a great range of topics from
horizontal drilling to deep carbonate evaluation and economics. The eleven short courses are being offered, including, integrating geology and geophysics in the exploration workshop, and the latest in NMR logging. In a totally different vein, Triassic and Cretaceous exploration in Western Canada will also be discussed. The field trips will be held both before and after the main symposium discussions. They also include several half day excursions during the symposium. A comprehensive sponsorship program is well underway which includes sponsorship of the technical sessions as well as the more conventional avenues for advertising.

The poster advertising the symposium is very impressive. We hope our members think so too!

PUBLIC SERVICE

STUDENT-INDUSTRY FIELD TRIP (Bruce Power, Chairperson; Larry Strong, Treasurer; Byron Bahnsen, Tony Cadrin, Paul Pejer, Andrew Fox, Tannis Gibson, Janice LeDrew, Bruce McFarlane, Guy Metcalfe, Grant Milner, Regan Palsgrove, Brian Parsons, Greg Perras, Indranee Raychaudhuri, Greg Soule, Martin Teitz)

This trip was established in 1977 to help students from across the country become familiar with the study of petroleum geology and the geology of western Canada, particularly the Western Canada Sedimentary Basin. The SIFT has an annual budget of approximately $35,000, of which the CSPG contributes $30,000. Each university in the country with an undergraduate program in earth sciences sends one student to participate in the trip. This past year, 34 third-year undergraduate students in earth sciences or geological engineering attended.

The 1994 SIFT was held from May 1-14, and was considered a great success by all. The trip involved 5 days of field excursions through the Rocky Mountains and Dinosaur Provincial Park. An exploration game involving a fictitious hydrocarbon play was conducted to help students apply their newly learned knowledge of petroleum geology in a business atmosphere. In addition, there were numerous presentations on a variety of aspects covering both the science of petroleum geology and its applications in industry. There was also a tour of an active drilling rig and a fly-over of the Rocky Mountains with aircraft provided by Mobil, Chevron, and Petro-Canada.

The summer job program initiated in 1993 was continued in 1994, and was very successful. The program was run without a subsidy from the CSPG this year, as compared to 1993, when the CSPG donated $12,000 to subsidize the students' salaries. Seven students were placed in summer positions. Three were employed at Chevron Canada Resources, and Gulf Canada Resources, CS Resources, Serenpet, and Ocelot each employed one student. Four other students on the trip also had previously arranged summer employment in industry, making it the best summer in many years for student employment.

The committee would like to express our thanks to all the people who volunteered their time and knowledge to lead seminars and field trips. In particular, we would like to thank Brian Fisher, Peter Femor, and Steve Heibert of Shell Canada for leading the Rocky Mountains field trip and Dave Eberth of the Royal Tyrell Museum for leading the Dinosaur Provincial Park trip.

New committee members for 1994 were Tannis Gibson, Janice LeDrew, Guy Metcalfe, and Indranee Raychaudhuri. Plans for the 1995 SIFT are already underway. Tony Cadrin will be replacing Bruce Power as chairperson, and Larry Strong will remain as treasurer. The SIFT for 1995 will be funded from the Educational Trust Fund, as opposed to the general operating funds as in past years.

MANPOWER SURVEY (Keith Deutsch, Chairman & Canvasser; Lloyd Kuzman, Mark Lensen, Joerg Wittenberg, and Sigfried Joiner, Canvassers)

I would like to thank the above for assisting in the completion of the survey. The committee is currently responding to those companies who have requested copies of the report. We are also re-examining the survey which we send out to see if changes should be made and preparing for the 1995 survey.

As we have done for the past 12 years, we have once again completed the "Annual Questionnaire on Employment patterns of Petroleum Geologists in Canada". The results of the survey reflect hiring trends, as well as the categorization of geologists into various tasks expressed as a percentage of the total represented in any given year.

This year 366 companies were surveyed with 181 (49%) responding, a significant increase in response relative to the past few years (39-43%). The CSPG Manpower Committee would like to thank all of the companies who responded to our survey. Identified trends include:

- increased hiring of both experienced geologists and university graduates;
continued decrease of geologists working frontier areas;
continued increase in the percentage of consultant/contract geologists;
continued trend of small and medium sized companies hiring a larger percentage of university graduates in the 1990s compared to the 1980s.

The pool of geologists represented by this survey is increasing, with 200 more geologists working at 30 fewer companies surveyed this year than last. The demand for these experienced geologists has remained the same from last year at 12%. The survey responses indicate a continued sense of optimism for the coming year, with projections of geologists working conventional projects increasing by almost 12%, with an overall increase of between 4 and 5% by the end of the year. Projections for geologists working other areas appear to indicate little change in the coming year with the exception of those working international projects. A 25% reduction is expected in this relatively minor segment of the geologists population, taking it back to 1993 levels.

The results contained in this summary are as accurate as the data provided by the companies responding to the survey. Respondents represent 49% of the companies surveyed and include a good mix of small, medium and large size companies (52%, 32%, and 16% respectively). The data is interpretable as a reliable indication of trends in geologists working in the oil and gas sector.

Again, many thanks to the companies that participated in the survey and to the committee members who assisted in the running of the survey.

EDUCATION TRUST FUND, BOARD OF TRUSTEES (Ed Wright, Chairperson; Sheila Hinton, Jim MacDonald, Alice Payne, Peter Putnam, Des Smith; David Burton, Financial Subcommittee; Greg Soule, Martin Teltz)

The Educational Trust Fund was originally established in 1977 as the 50th Anniversary Trust Fund. At that time, it was recognized that one of the fundamental tenets of the C.S.P.G. was the support of geoscience education. That recognition continued and it was in that context that the name C.S.P.G. Educational Trust Fund was adopted in 1991. Initially, the main objective was to create a capital fund from which the Student Industry Field Trip could be supported. This is a truly laudatory function that draws together students from across Canada for what is for most a first hand look at the petroleum industry. That purpose remains a key objective of the fund but is no longer the sole reason for the fund.

We have spent the last year redefining the objectives and purposes of the fund in the overall context of the C.S.P.G. We have rededicated the fund to education through the support of earth science related programs. To that end, several initiatives have been undertaken. The support of university students with scholarships and bursaries, assistance to public education through grants to museums, subsidies to programs designed to help secondary school teachers (such as EDGEOP), and professorships have been added to the programs the fund will support. We are also examining ways to support field trips and conference-related programs. The establishment of “individual” accounts, such as corporate, memorial, or other “named” accounts, is now possible, provided the funds are in a general sense are dedicated to support of one or more of the initiatives of the Educational Trust Fund. This means that you can now support a scholarship or even a “chair” in geology and have your name or your corporation’s name attached to that fund. The Educational Trust Fund would perform the administration and general direction of that account for the life of the funds contained.

The fund is now poised to become a more dynamic vehicle with which the Society can actively support earth science education. The general objectives remain the same but there are now several vehicles available to accomplish those goals. Fundraising will become more of a concern. Which of those objectives remain viable depends entirely on the support given.

Funds are invested through RBC Dominion Securities. Current philosophy is to move the various investment instruments out for a period of about five years in order to maximize interest return and also to allow annual capital turnover to cover disbursements and allow for strategy changes that would maximize returns in a changing economic environment. Risk has been minimized and all monies are in government bonds and insurance annuities. Average return on investments is about 8.5%.

Financial Summary

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance on Dec. 1, 1993</td>
<td>$656,776</td>
</tr>
<tr>
<td>Funds disbursed (SIFT)</td>
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<tr>
<td>Funds contributed</td>
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<tr>
<td>Portfolio worth Dec. 1, 1994</td>
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<tr>
<td>Cash (Nov. 31, 1994)</td>
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<tr>
<td>Total fund value Dec. 1, 1994</td>
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</tr>
<tr>
<td>Fund growth</td>
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<td>Percentage fund growth</td>
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</table>
Fund growth is negative this year as incoming interest was used to support SIFT and contributions were about one-third that of normal.

Trustees, normally three past presidents and three other members of the Society, each serve for three years. Jim MacDonald and Sheila Hinton will be retiring from the board following the annual meeting of the Society. Replacements will be Rick Young and one other to be named by the Executive of the Society.

**ELECTRONIC BULLETIN BOARD (CSPG BBS)** (Jim Letourneau, Chairman; Glenn Karlen, Dave Elliott)

The CSPG BBS activities to date have revolved around setting up an electronic bulletin board for CSPG members. A pilot project involving 15 CSPG members was initiated this year and it was decided to publicize the service to the entire membership through advertisements in the CSPG Reservoir. This service incorporated Internet e-mail, Usenet news group access (sci. geol. geology, sci.geo.petroleum, sci. geo. environment, sci. geo. fluids), as well as local announcements and careers. The service is available to members on a “user pay” basis of $50.00/year.

Division activities were focused on publicizing the service, improving the geological content, and looking to future uses of the CSPG BBS.

The initiation of the Canadian Petroleum Internet Consortium (CANPIC), an umbrella group representing the CSPG, CIM, CSEG, and CWLS, provides new opportunities for the division. The delivery of information in electronic format to CSPG members will be a key objective in 1995. Our challenge is to increase the geological content of the CSPG BBS, to ensure a strong CSPG presence on CANPIC and to disseminate our most useful information available via WWW servers.

Glenn Karlen (PanCanadian) will replace me as Chairman and I will stay on the executive as Past-Chairman. The rest of the executive will consist of Andrew Zolnai, Mike Marchand, Paul Price, Bruce Palmer, Sam Johnston, Glen McCrimmon, Glenn Karlen, Bob Mummery, Cathy Martin, Byron Bahnsen, and Dave Elliott.

**ARCHIVES AND HISTORY COMMITTEE** (J.W. Porter, Chairperson)

The main thrust of the Archives and History Committee involved the acquisition of additional photographs relevant to oil and gas exploration in western Canada, notably the George S. Hume collection. These new photographs were incorporated into the Society’s collection garnered from previous years. Some 200 were exhibited at Calgary’s Devonian Gardens for Exploration Update 1994 Ice-Breaker held May 9; the exhibition theme was “Hey-Days of Alberta Oil.” The photographic exhibition, including seismic, drilling and geology tools and memorabilia remained on exhibit during the duration of the convention and was left standing for an additional week for the benefit of the public.

The committee continues to collect material pertinent to the Society’s history and is endeavoring to research the material contained in the Glenbow Archives.

**TECHNICAL DIVISIONS**

**SEDIMENTOLOGY DIVISION** (Paul Fejer, Chairperson)

The Division continued its monthly lecture program at noon, courtesy of Nocen Energy who provided the meeting room and projection facilities. Geomania, managed by Stephen Ancil, has continued to generously donate gifts to be presented to the Sedimentology Division speakers.

Seven meetings were held in 1994. Average attendance over the seven talks was 49. The speakers and talks were as follows:

- **Jan. 20** Sean O’Connel: *The Sequence Stratigraphy of Coal-Bearing Sediments in Alberta*
- **Feb. 16** Bruce Power: *Sedimentology and Allostratigraphy of the Upper Cretaceous Lea Park-Belly River Transition in Central Alberta*
- **Mar. 23** Iain Muir and Jack Wendte: *Geologic Significance of an Upper Devonian Swan Hills Intraformational Unconformity*
- **Apr. 6** Mike Shields: *Quantitative and geologic constraints for regional scale shallow-burial seepage reflux dolomitization, Late Devonian, Western Canada Sedimentary Basin*
- **Sep. 15** Glen Andrews: *Great Barrier Reef – low tide reef walk*
- **Oct. 13** Mark Malomo: *Paleoceanography of the Fairholme Carbonate Complex, Banff, Kananaskis Area, Alberta*
- **Nov. 30** Charlie Gamba: *Stratigraphy and sedimentology of the Late Mesozoic Queen Charlotte Basin.*

A similar format is planned for 1995 with the addition of at least 1 field trip. There will be no changes in the Sedimentology Division committee in 1995.
ENVIRONMENTAL GEOLOGY DIVISION (Dave Elliott, Chairperson; Jack Century, Peter Dankers, Fons Dekker, Treasurer; George Eynon, Executive Liaison; Darcie Greggs, Alan Ingleson, Ed Matheson, Paul Whitby, and John Wonfor)

The Environmental Geology Division completed its fifth year of activities in 1994. The following lunch time talks were held:

Jan. 27 Doug de Freitas: Alberta's New Drilling Waste Regulations
Feb. 24 Dave Russell: Environmental Problems of the City of Calgary
Mar. 21 Discussion forum, Prof. W. S. Fyfe, A. Russell, A. Sweet: Is the Past the Key to the Future? Environmental Change, the Fossil Record and Human Population
Apr. 28 Bob Vance: Was the weather really better in the good old days? Holocene climate change on the Prairies
May 26 Jack Century: Oil and Gas Field Operations and Induced Earthquakes
Sep. 29 Harvey Locke: The Energy Industry and the Environment
Oct. 27 Bob Becker: Remediation of Oil Spills
Dec. 1 Dave Elliott: Measuring Rapid Environmental Change using Geo-environmental indicators

Dave Elliott attended the IUGS International Workshop on Geological Indicators of Rapid Environmental Change on behalf of the CSPG and presented a paper on A Conceptual Framework for Geo-environmental Indicators. The proceedings of the workshop will be published as a book early next year.

Jack Century initiated and chaired a working group on Induced Seismicity as a Consequence of Oil and Gas Operations. There has been a recent increase in scientific interest on this topic and contacts have been established with seismological centres in several countries, resulting in an ongoing, international, co-operative effort. Mr. Century presented a paper titled Oil and Natural Gas Induced Seismicity at the AAPG Annual Meeting in Houston Texas, March 6th, 1995.

John Wonfor is finalizing work on a bibliography of Environmental Geology, containing about 15,000 references. It is planned to make this available, as a download file, on the CSPG BBS early next year and also to publish it as a database on a series of floppy disks through the society. The possibility of putting it on Internet is also being investigated.

HYDROGEOLOGY DIVISION (Jim Letourneau, Chairperson; Steve Burnie, Facilities Co-ordinator)

The Hydrogeology Division activities, to date, have revolved around a regular series of informal monthly noon hour lectures. In 1994, 10 lectures were presented on petroleum hydrogeology. All talks were held in Mobil Oil Canada's Superior Room except for the September talk which was held in the Gulf auditorium. Mobil's continued support of the Hydrogeology Division is greatly appreciated.

The division developed a mailing list and sent out several newsletters in 1994. Mailing expenses were covered by Hydro Petroleum Canada Ltd. Our informal association with the International Association of Hydrogeologists (IAH) was maintained. This allowed talks from both the IAH and CSPG Hydrogeology Division to be publicized in both organizations.

The 1994 talks were as follows:

Feb. 23 John Cody, University of Calgary: Hydrogeochemistry of the Mannville Group - Southern Alberta
Mar. 7 Maks Posavec, Demoirac Geo-Sat International: Tectonic controls of subsurface migration of fluids as inferred from the study of satellite imagery surface data
Apr. 28 Jim Reimer, Home Oil Company Limited: Comparative hydrogeology of Upper-Middle Devonian Gas Reservoirs, Northeastern British Columbia
May 13 Jozsef Toth, University of Alberta: Hydraulic continuity in large sedimentary basins
Jun. 9 Jim Underschultz, Hydro Petroleum Canada Ltd.: Regional Hydrogeology of Northeast Alberta
Sep. 22 Ted Connolly, Etc. Consulting Ltd.: Filtering techniques applicable to chemical water analyses
Oct. 12 Hugh Reid, Hugh Reid & Associates Ltd.: Effect of Hydrodynamics on Seals in Stratigraphic or Unconformity Type Traps: Case Histories – Up dip vs. Down dip Flow

Nov. 10 Grant Ward, Ward Hydrodynamics Ltd.: How to explore for hydrodynamic traps


Jim Reimer (Home Oil Company Ltd.) will replace me as Chairman and I will stay on the executive as Past-Chairman. The rest of the executive will consist of Steve Burnie (Facilities Co-ordinator), Dan Barson (Treasurer/Field Trip Co-ordinator), Jim Underschultz and Ron Honch.

STRUCTURAL GEOLOGY DIVISION (John L. Varsek, Chairperson)

No report available.

INTERNATIONAL DIVISION (George Pastirik, Chairman; Jim Taylor, Howie Zorian, Co-secretaries)

The International Division holds monthly meetings covering various aspects of petroleum exploration in areas outside of Canada. Our talks were held at Mobil Oil Canada's second floor meeting rooms, 330 - 5th Avenue S.W. We would like to thank Mobil Oil Canada for providing us with the use of their facilities for our talks. We would also like to thank BFR Geophysical for their contribution of refreshments to our meetings.

Talks presented during 1994 were as follows:

Jan. 11 Bob Mummery, Wascana Energy: Review of Hydrocarbon Exploration on the NW Shelf of Australia

Jan. 27 Javed Iqbal, Javedsons International: Venezuela: Petroleum Geology and Business Opportunities

Feb. 24 Pat George, West Hill Oil & Gas: Geology and Hydrocarbon Potential of Trinidad

Mar. 29 Herve Collet, BZH Petroleum Consultants/Canadian International Petroleum Consultants: Geology and Hydrocarbon Potential of Tunisia

Apr. 12 Paddy Chersterman, Bow Valley Energy: Untested Exploration Plays in the Northern Canning Basin, Western Australia

Apr. 28 Bill Turnbull, Moraine Resources Ltd.: Geology of the Sirte Basin, Libya

May 4 Mark Beeson, Oil Hunters Ltd.: Tables Strait, Philippines: Basin Inversion, Structural Evolution and Prospectivity


Sep. 20 David Remus, Fletcher Challenge: Dongting Basin: China: Basin Analysis

Oct. 26 Richard Dingwall, Mosbacher: Significance of Paleogeologic and Paleogeographic Models in Offshore Field Development: Examples from the North Sea/Canadian East Coast

Nov. 29 Gerrit Maureau, Mauritex International inc.: International Opportunities: Emerging Countries and Emerging Companies


I would like to take this opportunity to thank Jim Taylor for his hard work on behalf of the Division. Jim is responsible for booking the meeting rooms through Mobil, as well as arranging all advertising outside the CSPG.

The International Division maintains a computer database of individuals wishing to stay informed of division activities beyond the regular talks advertised in the Reservoir, particularly last-minute talks given by speakers “passing through” Calgary. If you would like to be added to this “notification database”, simply attend one of our meetings and leave a business card. If you have ideas for presentations, please contact George Pastirik at (403) 274-7878.

GEOMATHEMATICS AND COMPUTER APPLICATIONS DIVISION (Paul Price, Chairperson; Richard Leishman, Vice-Chairperson and Publicity Co-ordinator; Bim Waters, Program Director; and Katrina Olsen-Heise, COGS Liaison)

Following on the heels of 1993, 1994 proved to be another very exciting and successful year for the Geomathematics and Computer Applications Division. Over the course of the year, the executive underwent some changes in the late spring due to the unfortunate departure of long time serving executive member, R. Leishman. Richard's guidance and enthusiasm is missed by all the committee members and it is hoped that he will enjoy his new home in the east.
The group continued with its notable free lunch hour presentation series. Presentation topics were chosen that would cover timely material of interest to petroleum industry professionals (geologists, geophysicists and engineers) and that would foster closer interdisciplinary discussion in the rapidly changing realm of applied geometematics and computer applications. Each talk consisted of a 30- to 40-minute multimedia presentation followed by an audience question and answer session. Attendance varied from 20 to 200 depending on the speaker and topic. Our 1994 program consisted of:

Jan. 19 Robert I. Gardner, Core Labs, Calgary: Identification of Hydraulic Flow Units for Enhanced Reservoir Description Utilizing both Core and Log Derived Data

Feb. 16 Dr. Dave Elliott, Geosgill Consulting, Calgary: Modelling Reservoir Shales

Mar. 16 Dr. Fran Hein, Geology Department, University of Calgary, Calgary: Chaos and fractals: General Applications to Geology

Apr. 20 Mark Dallaire, Petroleum Resource Analysis Section, Natural Resources Canada, Ottawa: A Method for Constructing Supply Curves for Oil and Gas When Stacked Resources are Present

May 18 Chuck Savoie, Core Labs, Calgary: Digital Imaging for Geologists and Engineers

Oct. 20 Tom Cox, Geoquest Data Management, Schlumberger Canada, Calgary: Seismic-Guided Estimation off Log Derived Reservoir Characterization

Nov. 23 Ron Hietala, Canadian Hunter Exploration, Calgary: A perspective on CANPAC (the Canadian Petroleum Interntal Consortium)

Dec. 15 Dr. Ron Li, Department of Geomatics, University of Calgary, Calgary: GIS and Sub-surface Modelling.

Additional presentations are being scheduled for 1995 and planning is underway for a session, "reserve and reservoir modelling" in the upcoming CSPG/CWLS May 1995 convention; and for a special CSPG Bulletin devoted to petroleum industry case studies in geometematics and computer applications.

PALEONTOLOGY DIVISION (Charles Henderson, Chairperson)

1994 was a very slow year for the Paleontology Division. It is becoming increasingly difficult to find volunteers to present talks. I would welcome anyone interested in helping maintain this division by presenting a talk this fall, to please call me at The University of Calgary. In addition, I would like to point out that some of our presentations may also be of interest to the general geological community and not just to paleontologists. We have three talks planned in 1995 in March, April, and May; please check the Reservoir. Only one talk was presented in 1994.

May 24, 1994; Charles Henderson, University of Calgary: Reinvigorating industrial micropaleontology – A case study of the Belloy Formation; and Open Forum.

This talk was held at Chevron Resources (8th Floor Conference Room, 500 - 5th Ave. S.W.) and was booked by Bert Van Helden of Chevron, as have most talks in the past several years. The division would like to thank Bert and Chevron for their continued support.

The Paleontology Division once again held its annual "business meeting" at the Unicorn on Dec. 16. Twenty-five paleo-enthusiasts attended and surprisingly re-elected Charles Henderson as Chairman for 1995. In a break with tradition, Chris Collom, also of The University of Calgary, was declared Vice-Chairman for 1995.

RESERVOIR DEVELOPMENT GEOLOGY (Darren A. Steffes, Chairperson; Ron Bably, Program Co-ordinator)

The Reservoir Development Geology Division, created in 1987, provides a forum for discussion on all aspects of this subject. Two talks were presented during 1994 as follows:

Oct. 13 Gordon McNabb, Geosgill Consulting: Do you have interwell communication? (Stiles and Geostatistics)

Nov. 9 Barry McNamara, Gulf Canada Resources Ltd.: Average permeability – how much detail do we need to construct practical reservoir models?

The division thanks this year's speakers for their efforts and for those loyal attendees at the divisional talks. If any members or interested parties wish to make a presentation at our divisional talks, please contact Darren Steffes at 262-1295.

LIAISON COMMITTEES

AAPG HOUSE OF DELEGATES (Martin D. Hewitt, Chairperson; George Eynon, Syed M. Hasan, William J. Haskett, Dean E.G. Potter, Gary P. Smith, Peter A. Harrington, Alfred A. Hartling, John R. Hogg, David S.A. Mackle,

The Canadian Society of Petroleum Geologists (CSPG) 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. In 1994 the CSPG was represented by 14 delegates who serve three year terms.

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 check qualifications and process all AAPG membership applications and Certified Petroleum Geologist applications submitted from Alberta and British Columbia. During 1994, there were 13 applications for active AAPG membership from Alberta and British Columbia.

During the 1993-1994 term, the group met six times in Calgary, with the annual meeting held Sunday, June 12 in Denver during the AAPG Annual Convention. The new House Officers for the 1994-1995 term are: Ed W. Heath, Dallas (Chairman); F. Pierce Pratt, Bartlesville (Vice-Chairman); and John Hogg, Calgary (Recording Secretary). Key legislative changes voted on at the meeting included the following:

- Associate Membership Revision: (passed) This motion broadened the category of associate membership to include anyone whose employment was associated with geology.
- Certification other than Petroleum Geologists: (passed) This motion allows for certification of geologists within specific technical divisions, (for example, Certified Coal Geologist) which are to be approved from time to time by the executive.
- International Vice President: This amendment proposed that a new position be designated to ensure representation on the executive from the international community. The initial, proposed wording indicated that if the Vice President and President were unable to perform their duties, the International Vice President would assume those duties. As well, the candidate for International Vice President was not allowed to be either a citizen or resident of the United States. These two points caused considerable concern among the U.S. Delegates, and a motion from the floor was made to remove them. The removal of these points from the proposal was passed from the floor without a vote. The amended proposal was returned to Constitution and Bylaws for further review and modification for a vote in Houston in 1995.

Applications for affiliation from the Azerbaijan Society of Petroleum Geologists, the New Zealand Association of Petroleum Geologists and the Nigerian Association of Petroleum Explorationists were approved. Applications from the International Association of Mathematical Geology and Society for Organic Petrology for Associated status were also approved.

The Unaffiliated Group Delegate Committee (chaired by John Hogg) was approved to continue its mandate for another year. That mandate is to provide House of Delegates representation to AAPG members without local affiliated societies.

During the 1994-1995 term, the CSPG delegates will focus on assisting junior members who are eligible for Active Membership to convert their membership status. This would allow the CSPG to have two additional Delegates.

Martin Hewitt was Chairman of this Committee for 1992-1994. With the expiry of his term, John Hogg took over as Interim Chair for the remainder of 1994 and Kathryn Lapointe was designated Chairman in December with Scott Gardiner assuming the role of Co-Chairman.

Based on the success of the 1993 results, the CSPG delegates held an election to replace those delegates whose three year terms expired July 1. A total of five Delegates were elected from a slate of 10 candidates: Scott Gardiner, Matthew Woofter, Donald Stachiw, Ned Gilbert, and Kevin Polan will serve three year terms until July 1, 1997.

WORLD PETROLEUM CONGRESS LIAISON COMMITTEE (Mike Hriskevich, Chairperson)

The annual meeting of the World Petroleum Congress – Canadian Association – took place in Calgary on May 20. There were two main topics of interest to CSPG that were discussed in addition to the routine business matters normally brought forward. These were as follows:
1. The Fourteenth World Petroleum Congress in Norway on May 29 to June 1, 1994.
About 90 participants from Canada attended. Eight papers were presented by Canadian authors and four other Canadians made poster presentations. A Canadian, Dr. Randy Gossan of Canadian Occidental, chaired the forum on the environment.

2. Canada’s bid to hold the 16th Congress in the year 2000.

Three countries – Austria, Australia and Canada – have indicated that they are bidding to host this congress. Canada had bid to host the 15th congress which was awarded to China. This latter bid will be updated and submitted to the World Petroleum Congress headquarters.

Gerald Maier has retired from the presidency which will be taken up by R.P. Cej. Mr. Maier will remain as 1st vice-chairman.

CANADIAN GEO SCIENCE COUNCIL (CSPG)

The Canadian Geoscience Council routinely holds three meetings annually, one in Ottawa in January, another in conjunction with GAC/MAC, and a third in September. During 1994, the spring gathering was held at Waterloo, and the fall meeting took place in Victoria. At all of these gatherings, the major item of business was the future structure and purpose of the CGC, with the question of what products are to be delivered to whom being a major discussion point.

The CSPG has a number of major concerns about the proposed new structure (which strongly resembles the present structure), the financial arrangements (which include a substantial subsidy from the GSC), and the overall aims and ability of the Council to operate as an “issue driven” organization. Because of the importance of these issues, the CSPG President has been included in all of the discussions over the last two years. It is to be hoped that 1995 may bring a resolution of this important issue.

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE (NACSN)

(R.W. Yole and Brian R. Pratt, CSPG Commissioners)

Highlights of the 49th NACSN annual meeting, Seattle, October 24, 1994 are outlined below. Official summaries of NACSN proceedings are published biennially in the AAPG Bulletin.

Reports of activities were presented by Chairman Don G. Cook (GSC/ISP, Calgary) and Vice-chairman Don L. Baars (Geol. Surv. Kansas, Lawrence, KS). As a result of discussions between NACSN and Geological Society of America (GSA), the introduction to the Second Edition of the International Stratigraphic Guide (1994)1 contains a statement pertaining to possible departures from the recommendations of the North American Stratigraphic Code (1983)2 in GSA publications. The International Guide is a publication of the International Subcommission on Stratigraphic Classification (ISSC).

The parent body of ISSC – the International Commission on Stratigraphy (ICS) of the International Union of Geological Sciences (IUGS) – has proposed a reduced status for ISSC. In recognition of past and future contributions of ISSC to stratigraphy, NACSN will send a letter to the Secretary General of IUGS supporting the continuation of ISSC as a subcommission of ICS.

The proposal for amendment of Stratigraphic Code Article 58, Remark (e), dealing with the relationship of allostratigraphic units to lithostratigraphic units was published in 1993 as NACSN Note 60.3 After taking into account comments from the geological community, the amendment was given final approval with minor wording changes at this meeting.

The Chairman of the allostratigraphy/sequence stratigraphy committee of NACSN (Don E. Owen, Lamar University, Beaumont TX) reported results of a canvas of stratigraphic workers over the past two years. The majority of respondents were not in favour of formalization of sequence stratigraphic units at this time. However, commissioners agreed that consultation on this topic with scientific organizations with interests in sequence stratigraphic procedures and terminology (e.g., SEPM, AAPG, GSA) should be initiated. In the meantime, the sponsors (from the EXXON group) of a proposal for formalization resulting from the canvas should be encouraged to flesh out their skeleton outline for submission as a formal proposal for NACSN consideration.

Discussion of appropriate recognition of the approaching 50th year of NACSN meetings led to the suggestion for a special session/symposium on Teaching of Stratigraphy at the 1995 or 1996

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GSA Annual Meeting, Brian R. Pratt (University of Saskatchewan, Saskatoon) will investigate the feasibility of this proposal with possible collaboration of other organizations (e.g., National Association of Geology Teachers).

Don L. Baars and R. Mike Easton (OGS, Sudbury) were nominated and elected to the executive of NACSN for 1994-95 as Chairman and Vice-chairman, respectively.

APEGGA STUDENT AFFAIRS (Nicholas Topolnytsky, Chairperson)

The main objective of the Student Liaison Committee is to enhance the professional development of university students currently enrolled in engineering, geology and geophysics with respect to their careers, through interaction with APEGGA and the technical societies such as CSGP, CSEM, CSEG, CSCH, CWLS, and CIM.

Two liaison committee meetings, under the sponsorship of APEGGA, were conducted at The University of Calgary and the Red and White Club. These consisted of the participating technical societies, APEGGA staff, faculty representatives and student representatives from the Engineering Student Society, the Rundle Geology Group and the Geophysics Student Society.

The purpose of these meetings is to inform the student body, through their society representatives, of the various activities of the technical societies. In exchange, the technical societies are apprised of student conferences and activities.

The technical societies outlined their activities (such as conventions, conferences, technical luncheons and scholarships) to the student representatives and encouraged them to attend. Qualifications and eligibility for some of the technical society student scholarships were announced and students were encouraged to make use of these scholarships.

A program, begun in 1988, of providing more accessibility of geological and geophysical students to the CSGP monthly noon luncheons has continued during the past year. Sponsorship of these luncheons has been graciously provided by various petroleum companies and administered by the Student Affairs Liaison Committee.

Tickets may be obtained from the Liaison Committee Chairman.

CSGP/CSEG/APEGGA LIAISON (Bill May, Chairman; Alice Payne, Carcie Greggs (CSGP); Bill Davitt, Neil Rutherford, John Peirce (CSEG); Gerry DesSorcy, Dan Motyka, Gord Willmon (APEGGA)

This is a joint committee with three members appointed from each of the three associations. The committee was established to provide a platform for and to champion the causes of geoscientists that have legitimate concerns relating to the activities of APEGGA and to ensure that geologists are better informed about APEGGA, its policies and its activities.

This year, the committee recommended changes to Rule 10 of the Code of Ethics in the Manual of Professional Practice to better reflect the realities of the practicing geologist. The rule indicates that a professional will review the work of another professional "only with the knowledge of and after communication with" that individual. This procedure is not accepted practice in the geoscience community as geologists typically deal extensively with confidential material which limits their ability to communicate with other professionals. Currently, a "Catch 22" situation exists in that Rule 10 states that the professional must communicate, but by doing so, the geologist may violate Rule 6, Client Confidentiality, and be subject to prosecution under that rule. The Committee recommended to APEGGA Council that Rule 10 be rewritten to better reflect established practice in industry. Council approved this recommendation and requested that the Practice Standards Committee rewrite Rule 10.

The committee made a second recommendation to Council on September 15 to implement certain policies intended to improve and enhance communication with and involvement in APEGGA committees by professional geoscientists. The recommended policy changes were an outgrowth of meetings with representatives of both the CSGP and CSEG executives. The result of these meetings was that this committee identified areas of overlap and duplication that exist between APEGGA committees and committees of the geoscience societies. The committee further recognized that the subject committees would be more effective if communication were established and resources shared. The committee also recognized that most of the existing geoscience representatives on APEGGA Committees were largely unknown within the geoscience community. On selected committees, such as discipline, it was felt that geoscientists must be judged by peers whom they recognize and respect.

In order to enhance the profile of, the respect for, and thereby, the effectiveness of, APEGGA committees within the geoscience community, the committee recommended a procedure to
entice high profile, well recognized, well respected, geoscience community members to participate on the Association’s committees. Council approved these recommendations and currently a procedure is being established whereby, when an APEGGA committee requires geological representation, the CSGP will be invited to supply a list of potential candidates for committee consideration.

In 1993 and 1994, The University of Calgary geology graduates had to write further exams to be accepted by APEGGA. The academic requirements of APEGGA were not being met. The problem arose because of lack of communication between, and errors made by, both The University of Calgary and APEGGA. The Liaison Committee acted as a facilitator between the parties. These issues have now been successfully resolved.

The last major issue addressed by the committee was that of a new geology syllabus. The existing syllabus is a highly traditional one that does not reflect the realities of the ongoing evolution in geoscience education. Also, the syllabus contains certain required courses that are no longer offered by a number of Canadian Geoscience Departments as a result of lack of student demand or staff downsizing.

The Liaison Committee has specific concerns:

1. That flexibility be introduced into the geology syllabus to reflect the realities of geoscience education today.
2. That APEGGA’s Board of Examiners, in developing a new syllabus, strive to satisfy both the University of Alberta (which feels that the proposed syllabus is too watered down) and The University of Calgary (which feels that the proposed syllabus is not flexible enough to accommodate its programs in Applied and Environmental Geology).
3. That the new APEGGA geology syllabus be developed in concert with the Canadian Geoscience Council’s efforts to generate a National Geology Syllabus such that significant conflicts do not arise in the future.

Finally, I would like to thank outgoing members Ian Halliday and Roy Stuart for a job well done. I would, especially, like to thank Roy for his masterful job while chairman of our committee.

NATIONAL LIAISON COMMITTEE (Louise Quinn, Chairperson, Brandon University; Paul A. Batson, Earth Resources Technology, NSCC; Mario Coniglio, University of Waterloo; W. R. (Ted) Danner, University of British Columbia; George Dix, Carleton University; John D. Harper, Memorial University; Hugh Hendry, University of Saskatchewan; Martine Savard, Centre Geoscientifique de Quebec; Eric Mountjoy, McGill University; Tom Moslow, University of Alberta; Jim Noble, University of New Brunswick; S. George Pemberton, University of Alberta; Guy Plint, University of Western Ontario; Geoffrey Norris, University of Toronto; F. G. Rick Young, Home Oil, CSGP President; Peter Putnam, Petrel Robertson, CSGP past president; George Eynor, Scarlett Minerals, CSGP vice president)

The National Liaison Committee (NLC) met once during 1994 at the GAC meeting in Waterloo. During that meeting the committee approved a change in organizational structure which had been proposed by the previous chair, Mario Coniglio. The restructured committee is smaller, with each member representing a larger constituency.

The constituencies are now: Alberta/BC; Manitoba/Saskatchewan; Western Ontario; Eastern Ontario; Quebec; and Atlantic. NLC members have been organizing a network of local representatives, so that information sharing, one of the main goals of the committee, may be efficiently carried out.

During the year, NLC members apprised the CSGP of the climate of budgetary restraint currently being faced by many earth science departments in both government and university settings. Discussions at the NLC resulted in some very successful visits to universities by members of the CSGP executive. CSGP in turn informed committee members of new developments in the oil and gas industry, and strategies for the encouragement of students were discussed. Members of the committee are currently researching questions posed by the CSGP about employment opportunities for students, enrollment trends, and petroleum geology course offerings at university departments.

At a meeting in December 1994, the NLC was to meet the CSGP executive and review the terms of reference of the committee, with a view to ensuring that the NLC mandate, which centers on information sharing and promotion of CSGP activities, adequately reflects the current needs of CSGP and outside Calgary interests.

NATIONAL CONFERENCE ON EARTH SCIENCE (Peter Aukes, Chairperson)

No report available.
New Members appointed during 1994:
Tom Moslow
Guy Plint.

Members stepping down during 1994:
Mario Coniglio
W. R. (Ted) Danner
John D. Harper
Jim Noble
Geoffrey Norris
S. George Pemberton.

All of these members are thanked for their service to the committee. Mario Coniglio is thanked for his service as chair of the committee. Committee members were saddened to learn of the passing of Hugh Hendry, a long serving member of the National Liaison Committee who contributed greatly to the committee and to the geoscience community.

SEPM LIAISON COMMITTEE (F. G. Rick Young, Chairperson)

One of my objectives as President was to establish a more formal relationship with SEPM (Society for Sedimentary Geology), based in Tulsa, Oklahoma. I made a presentation to SEPM Council in Denver, which outlined the size, influence, and technical capabilities of the CSPG, and suggested that each society become mutually “associated”. These approvals were obtained by each executive council in the fall of 1994. The first results of this formal relationship will be: 1. the launching of SEPM technical courses in Calgary in 1995; and 2. a joint CSPG-SEPM convention.

CSPG/GAC LIAISON (Ian McIlraith, Chairperson)

The tremendous and accelerating changes which are occurring in all aspects of the geosciences, its institutions and applications make communication with sister organizations both in Canada and abroad all that more important for our continued success and longevity. Since we formalized our association with the Geological Association of Canada in 1988, we have continued to send our publication, sales booth to the GAC-MAC Annual Meetings. We self selected GAC publications relevant to the petroleum industry through our office and at our conventions. On the national scene our respective executives continue to carry on a dialogue on important geoscience issues such as the future role of the Canadian Geoscience Council. A joint convention with the GAC-MAC is planned for the year 2000 to take geosciences in Canada into the 21st Century!

CSPG/TYRRELL MUSEUM LIAISON COMMITTEE (David A. Eberth, Chairman; Rick Young, Bob Mummy, Tim Howard, Ed Wright, and Charles Henderson)

The committee was formed in late March, 1994 to strengthen ties between the CSPG and the Royal Tyrrell Museum. Although we have had only one committee meeting, our tangible accomplishments so far underscores the value of this committee.

The committee comprises Dave Eberth (chair), Rick Young, Bob Mummy, Tim Howard, Ed Wright, and Charles Henderson. The committee met on May 25 to discuss and begin to take action on its mandate. The discussion centered on activities designed for CSPG members at the RTMP, joint marketing ventures between the RTMP and the CSPG, avenues for fact-finding and fund-raising in the development of future exhibits, and raising the awareness of and promoting paleontology within the geological community, as well as raising awareness of geology and paleontology within the public sector.

Dave Eberth placed an open letter in the September Reservoir that described the reasons for CSPG/RTMP liaison and included a questionnaire designed to gauge: 1. how the CSPG community regards the Tyrrell’s exhibits and 2. assess interest in cooperative exhibits and programs. Although such questionnaires are usually biased (those who favor taking action will respond to the questionnaire) almost all respondents (out of 21) clearly indicated that the Tyrrell should improve upon its Paleozoic and Alberta Basin exhibits. More importantly, the respondents suggested that industry should be an active partner in these exhibit modifications and some indicated a willingness to pursue industry funding. Following from this response, the Tyrrell Museum is now beginning to look at a complete overhaul of the geology gallery possibly for as early as ’96.

The CSPG executive met at the Royal Tyrrell Museum during the summer and a CSPG family camp over in the Dinosaur Galleries of the Tyrrell Museum in September appears to have been quite successful due to the tireless efforts of Tim Howard.

The newly opened Devonian Reef exhibit was sponsored by Esso and is the first joint venture industry/museum exhibit at the Tyrrell. Now, with the help of CSPG, the Tyrrell has finished a video for the Devonian Reef Theatre that describes not only the origin of Paleozoic reefs but also the interplay and significance of paleontological research and hydrocarbon origins and exploration.
There were no financial expenditures made by committee members on behalf of committee activities this year.

Given our success so far and excellent prospects for future joint activities, I recommend that this committee continue to be recognized and supported by the CSPG executive.

PUBLICATIONS

PUBLICATION COMMITTEE AND PUBLICATIONS REVIEW BOARD (R.C. Hankel, Chairperson; A. Embry, G. Eynon, P. Harrington, P. Putnam, H. Speelman)

The Publications Committee co-ordinates all matters relating to publications of the Society. It consists of the Senior Managing Editor (Chairperson), the Publications Review Board and the Bulletin Editor. The Senior Managing Editor is responsible for co-ordination of publication matters, reports directly to the executive and sits as an ex-officio member. The Publications Review Board has the task of assessing the merits of new publication proposals. It consists of the Senior Managing Editor (Chairperson), the CSPG Past President, the CSPG Vice-President, the chairperson of the publications sales committee and one member-at-large (usually the past chairperson).

The Society publishes two periodicals, the quarterly journal, Bulletin of Canadian Petroleum Geology, and the monthly newsletter, Reservoir. It also co-sponsors, with GAC, the Palaeontographica Canadaiana series. In addition, the Society publishes an annual calendar and intermittent special publications such as Memoirs and Lexicons.

During 1994, the CSPG, in co-sponsorship with the Alberta Geological Survey, the Alberta Department of Energy, and the Geological Survey of Canada, saw the publication of the much acclaimed, Geological Atlas of the Western Canada Sedimentary Basin, a truly remarkable book. Its publication marks a watershed event in Society history. Countless volunteer hours, in addition to sponsored time and paid contractual work, makes its actual cost unknown and probably unimportant. What is important is that the Atlas is finally published, and is absolutely priceless.

Through an arrangement with STACS, the 3,500 bound and boxed Atlases were temporarily stored at their warehouse in Calgary after shipment from the bindery in Edmonton. Distribution occurs from the CSPG office.

Memoir 17, Pangea was published in early December, bound with a striking dust jacket. A volume of some 64 papers, many originally given at the 1993 CSPG Convention, the Pangea Memoir is a superb contribution to scientific literature regarding a period of earth history which witnessed the greatest mass extinction known in the earth's past. Nine hundred copies were printed, with expected demand to be worldwide.

A new membership directory was printed over the summer and distributed free to all members in good standing at that time.


Volume 42 of the Bulletin, published in 1994, contained 27 scientific papers and consisted of 603 pages. The scientific content maintained a high standard thanks to the hard work of the associate editors, manuscript reviewers and production 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 Mc Ara Printing. Most papers in this volume were published within 10-12 months of initial receipt. We have received 31 new manuscripts in 1994 and most of these will appear in volume 43.

RESERVOIR (Blythe Slater, Chairperson & Editor; Jill Rehman, Editor; Dave Work, Advertising Chairperson)

This year, 11 issues were published for distribution to the membership. Typesetting was done by Westend Creative Corporation, printing by Sundog Printing, and distribution was through Global.

The Reservoir took on a new look in January 1994. Color screening was added to the front page to highlight the logo and title of the publication. A different screen color was used each month. In addition, print style and size was changed and artistic logos were added to some
of the regular columns like "Executive Comment", "Keeping Track", and "Letters to the Reservoir".

The November, 1994 issue was the first published color issue of the Reservoir. In this issue color advertisements and a color photograph were introduced.

The "Letters to the Reservoir" column was a great success this year. Many members wrote articles, commentaries and letters containing information of interest to the general membership.

In 1995, the Reservoir committee will continue to improve the look and overall quality of the Reservoir. A color photograph from the 1995 calendar will appear on the cover of each issue beginning with the January issue and the title print will be changed. Other members and committees will be encouraged to submit articles to the Reservoir to provide interesting and informative reading to the general membership.

Blythe Slater will be resigning from the committee early in 1995 to assume a position on the CSPG Executive. Jill Rehman will take over as chairperson.

MEMOIR 17 – PANGEA: GLOBAL ENVIRONMENTS AND RESOURCES (Ashton Embry, Benoit Beauchamp and Donald Glass, Editors; Billie Chiang, Managing Editor)

The proceedings of the successful 1993 Pangea Conference were published by McArA Printing in December, 1994 as CSPG Memoir 17. The volume is 1000 pages in length and includes 64 scientific papers on a wide range of topics. The keynote paper presents a colourful series of 87 Phanerozoic paleogeographic and paleoclimatic maps. The printing costs of the volume have been subsidized by generous grants from the Global Sedimentary Geology Program, the Geological Survey of Canada, Mobil Oil and Chevron. This has allowed the price of the book to be set at only $45.00 for CSPG members. The editors would like to thank all the critical reviewers who carried out their tasks in an efficient and professional manner and whose efforts allowed the speedy production of a high quality volume.

GEOLOGICAL ATLAS OF THE WESTERN CANADA SEDIMENTARY BASIN (Grant Mossop, Chairperson; Irina Shetson, Jim Dixon, Mika Madunicky, Jan Boon, David Coombs, Rick Young)

The Atlas was published on May 9, 1994, during the CSPG-CSEG Exploration Update Convention in Calgary. With the release thereafter of the digital database of stratigraphic control for all of the compilation's contour maps, the Atlas project was brought to final culmination.

Co-published by the CSPG and the Alberta Geological Survey, the volume sells for $185 CAN (plus GST and shipping), with a nominal $10 CAN additional charge for a copy of the Atlas Database (with purchase of the book). The database is independently available for $100 CAN.

The first four months of 1994 were devoted to final proofing, printing and binding of the Atlas volume, for which particular credit is due to the Atlas Publishing Co-ordinator and Graphic Designer Dale Hite. After the publication date in May, arrangements were made to distribute a number of complimentary copies to key Atlas workers, data donors and financial backers. Orders were taken from the membership at large and most of the initial wave of these were filled by September.

The Atlas Management Committee, representing the four Project Sponsors – the Alberta Geological Survey (AGS, project headquarters and home to all project staff), the Alberta Department of Energy (AE, Co-manager of the AGS), the CSPG (scientific home to virtually all of the authors and contributors) and the Geological Survey of Canada (GSC, through the work of the Institute of Sedimentary and Petroleum Geology) – wound up its work in June, 1994, and was disbanded. Ongoing responsibility for the marketing and financial affairs of the Atlas was thereby turned over to other CSPG committees (refer herein to reports of the Publications Committee and the Atlas Finance Committee).

In order to complete documentation of the progress of the Atlas project (in a manner similar to that discharged in the early years of the project by publication of Atlas Annual Reports) and in order to discharge responsibility to the membership for a full accounting of the project's activities and finances, a final report is being prepared for publication in the Bulletin of Canadian Petroleum Geology, to be published in 1995.

MEMBERSHIP DIRECTORY (Peter W. Hay, Chairperson; Dave Work, Tom Lau)

An updated CSPG Membership Directory was printed in July, 1994, and listed CSPG members alphabetically, by company affiliation and by geographical location. This directory was then distributed free to all 3087 CSPG members, unlike the last directory in May 1991 which was sold to members @ $5/copy.

The 1994 Membership Directory was published by McArA Printing Limited at a cost of
$10,995 plus GST (i.e., $3.62/copy). This expenditure was significantly reduced by advertising revenue of $7,200 plus GST, thus reducing the average cost/copy to $1.25. The next Membership Directory will likely not be printed until 1996 or 1997.

Special thanks to Dave Work for soliciting the advertising and to Tom Lau for facilitating retrieval of updated membership data from the CSPG computer.

**PALAEONTOGRAPHICA CANADIANA, GAC-CSPG JOINT COMMITTEE ON PALEONTOLOGICAL MONOGRAPHS** (Alexander D. McCracken, Chairman; Brian R. Pratt, Vice-Chairman; David H. McNeil, Secretary; Tim R. Marchant and Ross A. McLean, Business Managers; Peter H. von Bitter, Palaeontographica Canadiana Editor; Monica Easton, GAC Editor; Rory Hankel, CSPG Editor; Joan Burke, Technical Editor)

Peter von Bitter and Joan Burke retired during 1994 from their positions as Scientific Editor and Technical Editor, respectively, of *Palaeontographica Canadiana*. During their tenure, *Palaeontographica Canadiana* No. 5 (1988) through No. 11 (1994) were published.

The CSPG and the Geological Association of Canada are the sponsoring societies of *Palaeontographica Canadiana*, a paleontological monograph series that is dominantly systematic in content and pertinent to Canada. Most of the responsibility for publication of these monographs has been delegated to a Joint Committee on Paleontological Monographs (JCPM), responsible to the two societies. The first monograph in this series was published in 1983; Number 11 was published in 1994.

One monograph was published in 1994:

*Palaeontographica Canadiana* No. 11 by Zailiang Ji and C. R. Barnes: Lower Ordovician Conodonts of the St. George Group of Port Au Port Peninsula, Western Newfoundland.

Other manuscripts in varying stages of completion are:


*Palaeontographica Canadiana* No. 2: Valanginian Foraminifera and 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.


**OIL AND GAS POOLS SERIES**: (Mike Rose, Chairperson)

Preparation and compilation of new studies for the next oil and gas pools publication continued during 1994.

The current plan is to release a new volume of pool studies in the third quarter of 1995.

**INDEX OF PUBLICATIONS** (Peter W. Hay, Chairperson; B. G. McIntyre, G. T. Stabb, M. Charest)

The committee continues to index all papers published by the CSPG in bulletins, memoirs, guidebooks and special publications such as the Geological Atlas of the Western Canada Sedimentary Basin, indexing is carried out by selecting keywords and reference terms under which these papers might be expected to be listed, as well as author names and NTS areas. All 1994 CSPG *Bulletin* papers, sorted by subject (i.e., keyword), author and NTS area were printed in the December, 1994 CSPG *Bulletin*. The committee is up to date with the indexing, and the indexed data has been sent to the Canada Centre for Geoscience Data in Ottawa for inclusion in GEOSCAN, the Canada-wide index to geological data.

Publication of an Index Update is planned for 1995, containing indexed data for all CSPG papers printed since the last Index Update in 1984. In addition, creation of a CD ROM containing all CSPG and AAPG papers published in the *Bulletin* and *Journal* since 1931 is under consideration. It would contain a comprehensive index following the same Subject-Author-NTS Area format.

**LEXICON: BRITISH COLUMBIA AND S.W. YUKON** (W. R. Danner, Chairman, T. Hoy)

No new contributors were added this year but several new entries were prepared. Most work consisted of going through journals and government publications updating and adding to previous entries. A search is on for new contributors to write up entries which are missing. The amount of new data and new formation names continues unabated. The committee chairman will be devoting full time to this project starting next Fall in order to see it completed.
LEXICON PRECAMBRIAN: CENTRAL CANADIAN SHIELD (Murray J. Frarey, Chairperson)

Activity in 1994 consisted mainly of revising draft entries and updating the nomenclature files from new literature. A few new drafts were compiled. Changes to membership: none.

LEXICON: ST. LAWRENCE LOWLANDS-CENTRAL CANADA – H.B. LOWLANDS COMMITTEE (Tom Bolton, Chairperson)

St. Lawrence Lowlands Lexicon published 1993.

Central Canada Lexicon inactive during 1994 due to unexpected health problems. Expect to revive compilation in 1994 and hopefully complete first draft.

BUSINESS COMMITTEES

ADVERTISING COMMITTEE (David Work, Chairperson; Sing Lau, Safaa Seif El-Dein)

Revenue from advertising was up 24% from 1993. The Reservoir continues to remain the largest source of revenue. A membership directory was published in 1994 which raised $7,704 in advertising.

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<td>Inserts</td>
<td>$6,965</td>
<td>$8,132</td>
<td>$12,185</td>
<td>$19,014</td>
<td>$8,525</td>
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<td>36,898</td>
<td>41,982</td>
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<td>50,986</td>
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<td>2,327</td>
<td>2,885</td>
<td>3,491</td>
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<td>Lunch.</td>
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<td>7,015</td>
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<td>6,983</td>
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<td>-</td>
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<td>86,099</td>
<td>65,491</td>
<td>64,618</td>
<td>63,003</td>
<td>59,211</td>
<td>24%</td>
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Adjustment 0 0 0 6,986 4,430
TOTAL 86,099 465,491 64,618 76,014 63,041 24%

It is anticipated that 1995 will continue to generate high revenues from advertising as the strong mood of service companies should continue. One major change which will greatly enhance the quality of the Reservoir is the introduction of full-color ads. Not only will this liven up the Reservoir but should also result in increased advertising revenue for 1995.

The committee would like to thank Dave Christensen for his contribution as he will be leaving the committee in 1995.

GOVERNMENT GRANTS COMMITTEE (John R. Hogg, Chairman)

No report available

PHOTOGRAPHIC COMMITTEE (Vic Panei, Chairperson)

During 1994, the committee provided photographic coverage at most of the Society's luncheon meetings as well as at the Awards Dinner.

We have on file photographs dating back to 1978 and are attempting to relocate previous years' material.

GEOLOGICAL PLACEMENT SERVICE (Bev Pfeffer, Chairperson)

The society maintains an up-to-date file of résumés of geologists seeking employment. There is no charge for this service.

GROUP INSURANCE (Bev Pfeffer, Chairperson)

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

NOMINATING COMMITTEE (Peter Putnam, Chairperson)

The nomination for openings on the 1995 Executive are: G. E. Reinson and J. Keith, Vice-President; R. Thom and D. Eberth, Secretary; B. Slater, Assistant Business Manager; J. Letourneau and C. Viau, Assistant Treasurer. There were no write-in candidates.

MEMBERSHIP COMMITTEE (Sandy Laing, Chairman)

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

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<tr>
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<td>197</td>
<td>189</td>
<td>171</td>
<td>167</td>
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<tr>
<td>Student</td>
<td>203</td>
<td>166</td>
<td>145</td>
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<td>128</td>
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<tr>
<td>Total</td>
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<td>410</td>
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<td>357</td>
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</table>

It appears that the drop in membership may be slowing down, finally. University enrolments are also turning around as well and we may be near the bottom of the cycle. Let's hope so! The membership committee again welcomes any suggestions which may help to attract new and keep current members. Please contact me through the CSPG.
COMPUTER FACILITIES COMMITTEE ANNUAL REPORT (Tom Lau, Chairperson)

The Society acquired two major software packages in 1994 to assist its daily business activities. The Book Manager is a point-of-sale software that works as a cash register, book inventory system, and records multiple pricing schedules for CSPG or AAPG members. The CSPG Membership Database system has been completely overhauled. It now includes expanded fields of membership information; has better information retrieval and query capabilities; extends renewal and receipt functions into the twenty-first century; and has better revenue reporting capabilities. To handle the complex database requirements, the Society acquired two 486 computers and upgraded the Network systems to LANtastic version 6.0. New membership application forms and cards are designed to promote the image of the Society as one of the leading geological societies with members and subscribers in over 40 nations.

The goals of the computer facilities committee for 1995 are: to provide links between the databases and the accounting software; to continue office automation using existing software; to acquire a new laser printer for centralized printing; and to phase out obsolete equipment.

PUBLICATION SALES COMMITTEE (Peter Harrington, Chairperson; Drue Robinson, Treasurer; Andrew Arthur, Brian Carrigy, Paul English, Rob Pryde, Monique Evans, ex officio member)

The publication sales committee (PSC) is responsible for the promotion and sale of Society publications.

With the release of the Geological Atlas of the Western Canada Sedimentary Basin, a publication over 10 years in the making, the publication sales committee had one of its busiest years ever. By year end, nearly 2,000 of the 3,500 copies printed had been sold and distributed. The committee organized an advertising program for sales of the Atlas, including a colour flyer in the AAPG Explorer. Additional advertising and informational articles were placed in the CSPG Reservoir. Promotional efforts are planned for 1995 to encourage the sale of the remaining copies.

Overall, CSPG publication sales for 1994 totalled over $276,000, nearly $233,000 of which is represented by Atlas sales. Not including the Atlas, CSPG sales for 1994 were approximately $44,000, compared to $48,000 for 1993. The continued decline in non-Atlas sales is due primarily to the length of time since the last CSPG Memoir was published (Memoir 16 in 1991). We expect this decline to reverse itself in 1995 with the release of Memoir 17 (from the 1993 Pangea conference) in late 1994 and Memoir 18 (from the 1994 Mannville conference) late in 1995. Also expected are special Bulletin issues on the Triangle Zone and Geochemistry, new issues of the Oil and Gas Pools series and CSPG's Index of Publications. The new Incised Valley Course Note set is expected to continue to sell well. With the new publications coming on-stream, an updated CSPG publications catalog is planned for 1995.

The committee, with the help of the office staff, spent time reorganizing and rationalizing the CSPG inventory. As a result, beginning in late 1994, sales of old, out-of-print guidebooks, course notes, core conference manuals, and other miscellaneous publications were held at the CSPG office. This sale is to continue until the old stock has been sold. Once these books have been sold, they will no longer be available for purchase from the office. However, reference copies are available for viewing at various locations including the Glenbow archives and the Gallagher Library at the University of Calgary. As a result, the CSPG's inventory and storage situation has been improved immensely.

Another major event this year was the installation at the CSPG office of a new inventory control and point-of-sales computer system called "Book Manager". This system is used by a number of commercial booksellers and includes a bar-code scanner to allow for quicker, error-free entry of sale items. Although the system is not perfectly suited to a society which publishes as well as sells books (the system has difficulties with multiple, i.e., member and non-member, prices), the ability to manage sales and inventory at one time, will save time and provide for more accurate and detailed inventory reports. The committee will be able to better target advertising programs and organize direct mail campaigns to previous purchasers of CSPG publications. Members will notice more efficient processing of their book orders, particularly credit card transactions now that the office also has a credit card scanner. Due to the difficulties the system has with multiple pricing, the Society has now moved to a flat 25% discount for members off the non-member price for all CSPG publications that have a member/non-member price differential.

The committee attended two major conventions in 1994. The CSPG convention in May
proved to be very busy with the release of the *Atlas* even though the bookstore's location was certainly less than ideal. Sales of publications at the CSPG convention totalled over $67,000. The AAPG convention in Denver in June was also very successful, with record sales of around $10,000.

Sales of third-party publications continued at a brisk pace in 1994. AAPG sales were approximately $33,000 in 1994 as compared to $26,000 in 1993. Sales were up due primarily to a number of popular publications released by the AAPG in 1994, including several new *Memoirs* and a new *Computer Applications* series. *Methods 10 (Development Geology Manual)* also continued to sell well in 1994. A lot of work was done this year rationalizing our AAPG inventory levels. As a result, late in the year the committee began to sell out-of-print AAPG publications at the CSPG office. A new AAPG price list was also printed in 1994. Sales of GAC publications totalled $5,000 in 1994 as compared to $7,000 in 1993. One new GAC publication was sold from the office in 1994, *Evolution of the Western Interior Basin*. In 1994, a joint sales agreement between the GSC and the CSPG was reached. As a result, a selection of GSC Bulletins and Papers was made available for sale at the CSPG office, and selected CSPG publications are available for sale at the ISPZ bookstore near The University of Calgary. In 1995, the committee will examine the possibility of negotiating a similar joint sales agreement with the SEPM.

The PSC would like to thank the contributions of its volunteers, as well as their employers. The committee is always looking for new members to help reach its goals. The committee would also like to extend a special thanks to Monique Evans of the CSPG office. Monique started in May of this year, during the busy CSPG convention, and even though we had one of the busiest years ever as far as publication sales is concerned (*Atlas* sales, new computerized inventory system, etc.), the committee was able to manage the increased workload as well as achieve additional goals including the rationalization of the CSPG and AAPG inventories. The successes of the committee were, in large part, thanks to Monique's help and her assistance, input, suggestions, and helpful attitude were most appreciated.

**SOCIAL EVENTS**

**PAST PRESIDENT'S DINNER** (P. Putnam, Chairperson)

The Annual Past Presidents' Dinner was held on November 3, and was attended by 28. This annual gathering of accumulated wisdom is proving to be a valuable platform for the airing of new ideas and discussion of current issues affecting the Society. The main items discussed this year include the future of the Gallagher Library and the continuing involvement of the CSPG within the Canadian Geoscience Council.

**AWARDS BANQUET AND SOCIAL** (John Chipperfield, Chairperson; Elspeth Snow, Ben Robertson)

The annual Awards Banquet was held at the Palliser Hotel on Friday, February 4. The Society's awards were presented after a gourmet dinner and the evening was capped by a presentation by The Honourable Pat Black, Alberta Minister of Energy. The evening was attended by 190 members, spouses and guests, all of whom enjoyed themselves thoroughly.

**MEN'S 34TH ANNUAL GOLF TOURNAMENT**


The 1994 Men's Golf Tournament was again held at Shaw-Nee Slopes Golf Club. The weather was above average for the tournament with no memorable thunderstorms or snow. The tournament was comprised of 19 flights; each with 8 golfers for a total of 152 participants. The Wednesday night barbecue was well attended by golfers and their better halves, with the telling of many golf stories and the renewing of old acquaintances. The men's social on Thursday was as popular as ever with more lies being traded on golf and geology without spouses to make comments or corrections. Increased interest in the Thursday night chuckwagon auction was indicative of greater optimism in the oil patch in general.

The sponsors were more generous as a sign of the times, and a special thanks goes to them. Without the continued support of our many sponsors the tournament would not exist. The committee members worked hard, but were rewarded with compliments and smiles from participants and sponsors at the Friday night banquet & dance at the 400 Club. Another group that helped out a great deal and who deserves recognition is the ladies' volunteers. They consistently come out every year in all weather conditions to help the tournament run smoothly. The ladies' coordinator this year was Kathy Holt.
The Championship Flight winner this year was Ron Newman, the first flight was won by Deane Rose, and the winning chuckwagon team consisted of John Davis, Steve Aberg, Les Guzowski, Graeme Dales and Ivan Bishko.

Due to a significant balance, the tournament was pleased to make a donation to the Herald Christmas Fund of $1,000.

A great time was enjoyed by all golfers and spouses in 1994. The 1995 tournament (35th Annual) will again be held at Shaw-Nea Slopes on June 14, 15, and 16. The 1995 tournament Chairperson is Pat Ward. Duncan McCowan and Dave Clements have left the committee after many years of dedicated service. We are always looking for new blood, so if you are interested, please contact Pat Ward.

OPEN GOLF TOURNAMENT COMMITTEE
(Kevin Stromquist)

Summary of Activities CSPG Mixed Golf Tournament Committee

Our tournament was held this year at Lakeside Greens Country Club on August 26. Being the new tournament chairman I rolled out of bed full of dread that rainy Friday morning and watched sheets of rain cascading into my backyard. "This is great - now to the job and the tournament is going to be rained out." The sense of dread increased as the windshield wipers at high speed barely made the Trans Canada Highway visible on the way to the golf course. As I turned off the highway towards the course, the rain dropped off to a light drizzle. "Better", I thought. There were volunteers already at the course taking registrations and getting organized. The carts were lined up in vast puddles and it had stopped raining. By the time we were ready to golf, 112 of the 120 paid participants had shown up and were in high spirits despite the weather. The course played a little tougher with a touch of wind and fog to make a few shots entertaining. "Where is the green?"

The winners of the low gross trophy were the team of Earl Grey, Mark Belzon, Dick Willott, and Henning Lies. The low net trophy went to the team of Will Hansen, Ian Moffat, Bogdan Ulaszonek, and Peter McCann. The winning team ultimately won on a count back.

Special thanks to all of our sponsors and volunteers who made a rainy, foggy day into a fun event. I seem to recall a warming trend which developed on the 17th hole after some excellent coffee courtesy of QC Data/OCOtech.

We have tentatively booked D'Arcy Ranch for August 25, 1995 and we hope to see all of the past participants plus a pile of new ones for next year's tournament. Any person interested in volunteering for next year's tournament, please call Kevin Stromquist at 231-3022.

LOGAN DAY COMMITTEE (Chairman: Elspeth Snow; Members: Gerald Sullivan, Rene Levesque, John Maher, Ward Neale)

Logan Day was cancelled this year, due to lack of interest. Despite my comments in the 1993 Logan Day report, we decided that the effort involved was not warranted by the extremely small number of participants. As a result, Logan Day has been terminated as a CSPG activity until new interest is expressed for a National Geology Day celebration in the Calgary area.

LOGAN DAY TOASTERS AND TOASTEES

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<tr>
<th>YEAR</th>
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<td>1978</td>
<td>DICKY MCMURRAY</td>
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<td>JACK Mc MILLIAN</td>
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<td>G. M. DAWSON &amp; WILLIAM LOGAN</td>
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<td>1993</td>
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CSPG SQUASH TOURNAMENT (Bob Lee, Chairperson; Hilary Foulkes, Chris Jones, Martin Armitage, Cynthia Visser, Matt Wooster)

The 11th Annual CSPG Squash Tournament was held at the Edgemont Club on February 25 and 26, 1994. 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 participation was 82 men and 21 women. Everyone enjoyed great squash, making new friends, and renewing old contacts and injuries. Numerous door prizes were awarded at the banquet and festivities went well into the evening and once again the championship trophy was almost forgotten in the lounge.

Hilary Foulkes retained the Ladies Championship, the 10th time her name has graced this trophy. Hilary triumphed over Janet Simpson in a hard fought match. This year's Men's Championship featured an exciting match between Dave Safton and Danny Shannon. Dave was victorious in an entertaining exhibition of top squash and good sportsmanship.

The 1994 results are:

**LADIES WINNER**
A Hilary Foulkes, B Ann Cennanese, C Cynthia Visser, D Laura MacDonald

**RUNNER-UP**

**MENS WINNER**
A Dave Safton, A Consolation, B Jim Campbell, C Dave Robinson, D Dave Hutchinson, E Edgar Hulatt

**RUNNER-UP**

The Master's trophy was awarded to Norm Wegerhoff.

Last but not least, the Horses' "A" award went to Dave "Sandbag" Hutchinson.

The success that the CSPG Squash Tournament enjoys 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 numerous door prizes are well received by participants. The committee gratefully acknowledges this support, in particular:


The committee expresses its sincere appreciation to Sue Kostyniuk of Belloy Petroleum Consultants. Sue does an excellent job as our bookkeeper. The committee says thank you to Matt and Cynthia who have stepped down and are pleased to welcome four new enthusiastic volunteers to the 1995 committee. Their energy will ensure the tournament continues to be a fun and competitive event.

The 12th Annual CSPG Squash Tournament will be held at the Edgemont Club February 24 and 25, 1995. Entry forms will be available in the January, 1995 issue of the Reservoir.

The 1995 Committee is as follows:
Bob Lee (Chairperson)
Martin Armitage
Hilary Foulkes
Chris Jones
Dave Robinson
Solana Jear
James Muraro
John Cox.

CSPG FINANCIAL MANAGEMENT OPEN GOLF TOURNAMENT – FOURTH ANNUAL
(kevin Stromquist)

No report available.

CSPG 10K ROAD RACE – FIFTH ANNUAL
(Myles Bosma, Victor Urban, Co-Chairpersons, Rob Pryde, Greg Robb, Senior Advisors)

The Sixth Annual CSPG 10K Road Race was held Sunday, July 24 at Fish Creek Provincial Park. The weather co-operated and the race was held under ideal conditions, which unfortunately also resulted in lower participation numbers than in past years. Eighty-seven runners completed the course, and from all the “there I was stories”, everyone thoroughly enjoyed themselves. Trophies and medals were awarded to the category winners with numerous draw prizes for the participants. Colleen Catley (Stevens) and Steve Oldale were repeat winners of their respective categories. This event brings together members of the CSPG and the public in a spirit of friendly competition.

RESULTS
Female Overall Jane Mansell 39:24
Male Overall Dale Styner 33:21
Female Geologist Ann Ceccanese 46:35
Male Geologist Steve Oldale 33:26
Female Geophysicist Colleen Catley 39:53
Male Geophysicist Adrian Ruiter 37:05

The support for the race comes from both industry and non-industry. The organizing committee would like to acknowledge Canadian Hunter, AEC, CNRL, Pipestone Petroleums, Tarragon Oil & Gas, IEXCO, Iverness, Sproule
Associates, Tokpelia Resources, Adidas and Gord’s Running Store. We appreciate all the support and sponsorship from everyone involved. The 1995 Road Race will be held July 23 at Fish Creek and we hope to see you there. Race co-chairpersons will be Myles Bosman and Vic Urban.

GOVERNMENT GRANTS COMMITTEE (John R. Hogg, Chairman)

The main goal of the Government Grants Committee is to provide a mechanism for other committees to apply for both provincial and federal grants that are available to non-profit societies and scientific organization.

During 1994 the committee was not asked to apply for any grants on behalf of any other CSPG committees. Many of the provincial and federal grants that were available to the CSPG during the early nineties, such as the federal and provincial student work incentive programs have either been cut or significantly reduced.

Any CSPG committee wishing to use services of the Government Grants Committee in 1995 should approach us 12 to 18 months before the completion of their projects. This will allow for sufficient lead time for various federal and provincial government agencies to process their grant applications before the completion of their CSPG project.

1996 CSPG ANNUAL CONVENTION COMMITTEE – (John R. Hogg, Chairperson; Don A. W. Keith, Technical Program; Martin Hewitt, Finance; John Ostrom, Field Trips; Peter Harrington, Exhibits)

This is the first report of the 1996 Convention. This convention will be held at the Calgary Convention Centre from June 9-12, 1996. The committee is aiming for a technically, socially, and financially successful conference centered around a theme of the Western Canada Sedimentary Basin: Exploration, Development and Technology in the Nineties. There is still a chance that this may be a jointly sponsored conference with the CSEG, which has support from both societies’ members after the very successful Exploration Update Conference of 1994.

CALENDAR COMMITTEE (1995 CALENDAR)
(Carl Hughson, Committee Chairperson; Dave Christensen, Calendar Advertising; Carl Hughson, Jim Letourneau, Kevin Polan, Committee Editors)

For the upcoming year (1996 Calendar), the committee plans to continue with the calendar as an insert. To offset the expense of doing this, the committee has decided to increase the corporate advertising cost from $600 to $700 which would raise an additional $1,200 toward the calendar’s expense by providing all its members with a copy. Advertisers have accepted the price increase realizing the significant increase in readers.

SCHEDULE OF OPERATING EXPENSES

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<th>NET INCOME (loss)</th>
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CSPG CONSULTANT DIRECTORY COMMITTEE
(Bev Pfeifer, Chairman)

The goal of the CSPG Consultant Directory is to promote the utilization competent and efficient consultants for short or longer-term projects requiring specific skills and experience, and to aid users, both corporate and individual, in finding such consultants.

The Directory, containing the names and principal skills of over 230 consultants, was published in August, 1993. It was distributed to over 600 companies and is available free-of-charge at the Society office.

Although the Directory was received with enthusiasm initially, the committee has encountered little evidence that it is actually being used for the goal intended. Evidence of member interest and support is needed for the Directory to be maintained and updated.

Should you have comments or input with regard to the Directory, please direct them to:
CSPG Consultants Directory Committee
505, 206 - 7th Avenue SW
Calgary, AB T2P 0W7
Fax: (403) 264-5898

NATIONAL CONFERENCE ON EARTH SCIENCE
(Pat Larham, Chairperson)

No report available.