PRESIDENT'S REPORT (Alice V. Payne)

In preparation for this report, I had the privilege of reading the Treasurer's report, as well as all the committee reports which make up the annual Report of Activities. Overall, these document the CSPG's financial position and the incredible efforts put forth by all our membership over the year: for awards, public service, conventions and seminars, scientific programs, technical divisions, liaison committees, business committees, publications and social events. All of these contributed to enhance the CSPG's financial position and maintain the technical excellence on which the Society's future depends. Furthermore, along the way we had some fun!

During 1992, the outstanding success of the joint CSPG/AAPG convention enabled the Society to end the year without being in a deficit position. In addition, donations from industry, solicited for the Atlas Fund, have accumulated sufficiently to fulfill the CSPG's original commitment to fund the printing of the new Atlas. Much effort by the President and the Executive Committee, which had "Atlas Update" at the top of every agenda, has been fruitful in pushing the Atlas project towards completion. Our technical authors and volunteers rose to the challenge and assisted in finishing most of the Atlas manuscripts. Graphics and film production are underway, and it is anticipated that the Atlas will be printed in time for our 1993 convention in August.

The Atlas project illustrates the critical necessity of substantial corporate support to the short- and long-term success in achieving the Society's goals. With shrinking membership, it is now more than ever vital that companies both large and small continue to support the CSPG, which serves in a training role, providing meetings, symposia, core workshops and publications. All serve to maintain technical quality in our industry; with continuing backup, our volunteer members will be able to contribute their share as partners in this symbiotic relationship. The CSPG sincerely thanks our corporate sponsors for their assistance.

The CSPG became more active internationally in 1992, when we ran our first field trip to Russia's West Siberian Basin. This adventure will be repeated in 1993. Our international reputation was further enhanced through publication of a brochure, Planning And Managing The Human Environment: The Essential Role Of The Geosciences. Here at home, plans are in place to increase student employment in geology, and publish a Directory of CSPG consultants to assist our individual and corporate members. We increased our support for public outreach, in continuing funding for EdGEO, the Science Alberta Network, and Science Hotline.

These are just a few of the old and new highlights of the year. I urge you all to read the detailed portion of this report, which illustrates how well the CSPG is positioned for the future. The results of the energy and enthusiasm shown by our membership, committee volunteers, executive and office staff fill me with awe and humble respect. I thank you all for giving me the opportunity to serve as your president.
ASSISTANT TREASURER'S REPORT (Kirk Osadetz)

This report covers the CSPG financial year ending November 30, 1992. It includes the Society's audited financial statements; 1991 audited results have been restated. See note 4 of the audited statement for explanation. Following standard procedures, the Society's financial statements reflect an accrual of revenues and expenses to their appropriate financial year. The report is the net of Goods and Services Tax adjustments filed with Revenue Canada. Employee benefits including Income Tax, Canada Pension Plan and Workmen's Compensation are routinely submitted as required by law and regulation.

The Society's financial situation is significantly improved this year. 1992 net income, or profit, is $147,675. This represents a substantial increase over the previous two years and is comparable to that reported in 1989 ($171,584).

Following an established trend, the General Operating Loss has continued to decline from ($33,930) in 1990 and ($27,233) in 1991 to ($5,643) in 1992. This occurred at the same time as a significant capital expenditure for new office equipment and higher Executive Committee costs. Higher Executive Committee costs reflect the commitment of the Directors that the Society maintain a national profile including a Director from outside of Calgary. The near break-even situation reflects many improvements, some of which were instituted by my predecessors. Other economies practised by Bulletin, Reservoir and office staff contributed to this improvement. I thank them on your behalf.

Our manifold committees and divisions are also acknowledged for their contribution to the Society. I especially thank their treasurers for their prompt reporting and good bookkeeping. Accurate reporting from committees and divisions has assisted Mrs. Sue Rose and me greatly.

The Society derives much of its income from annual convention profits, membership dues, publication sales, advertising, and investment income. This year continued a decline in total membership revenues. For comparison, 1989 membership fees were $196,625 and in 1992 were $171,759. Declines in bank interest rates and advertising revenue also adversely affected the Society, but reflect general trends in the economy. Significantly improved annual convention income (over $200,000 net) and slightly improved publications sales revenues offset these declines. Last year’s adjustments to publications sales make that year a poor point of comparison for the present year. With continued low membership dues, the net profitability of the Society depends upon the continued success of annual conventions and publications sales. Losses in technical programs were immaterial. Technical luncheons continued to operate at break-even. Much of the loss was due to activities that provide outreach to both our membership and society in general.

The Society continued to support the Education Trust Fund with a donation of $55,000. The Society significantly expanded its support of worthwhile activities consistent with our goals. Public service and outreach donations totalled $17,993, a substantial increase over the preceding year. Organizations supported ran the gamut from the Science Alberta Foundation to support for undergraduate attendance at scientific conferences. Awards and scholarship expenditures also increased with the institution of new awards and scholarships. Members should review the reports of those committees to familiarize themselves with their new activities.

The Society has ended active solicitation for the Atlas Finance Fund. The fund has generated $540,582, composed of $514,879 in cash and short deposits of which $125,440 were transferred from the Society’s operating surplus. The fund is sufficient to meet demands of the Society’s commitment to this joint venture. The efforts of the Atlas Finance Committee are gratefully acknowledged.
CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

FINANCIAL STATEMENTS

NOVEMBER 30, 1992
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, 1992 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, 1992 and the results of its operations for the year then ended in accordance with generally accepted accounting principles.

Collins Barrow
CHARTERED ACCOUNTANTS

Calgary, Alberta
December 31, 1992
**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS**

**BALANCE SHEET**

**NOVEMBER 30, 1992**

<table>
<thead>
<tr>
<th>ASSETS</th>
<th>1992</th>
<th>1991 (restated - note 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash</td>
<td>$ 281,134</td>
<td>$ 209,896</td>
</tr>
<tr>
<td>Short-term deposits</td>
<td>695,288</td>
<td>592,969</td>
</tr>
<tr>
<td>Accounts receivable and prepaid expenses</td>
<td>53,372</td>
<td>46,564</td>
</tr>
<tr>
<td>Inventory</td>
<td>141,822</td>
<td>173,277</td>
</tr>
<tr>
<td>Work in progress (note 2)</td>
<td>25,703</td>
<td>9,479</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total current assets</strong></td>
<td>1,197,319</td>
<td>1,032,185</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Restricted funds (note 2)</strong></td>
<td>514,879</td>
<td>462,781</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total assets</strong></td>
<td>$ 1,712,198</td>
<td>$ 1,494,966</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LIABILITIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Current liabilities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts payable and accrued liabilities</td>
<td>$ 39,622</td>
<td>$ 48,655</td>
</tr>
<tr>
<td>Deferred revenue</td>
<td>108,747</td>
<td>82,255</td>
</tr>
<tr>
<td></td>
<td>148,369</td>
<td>130,910</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total current liabilities</strong></td>
<td>148,369</td>
<td>130,910</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MEMBERS' EQUITY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surplus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Fund</td>
<td>1,023,247</td>
<td>891,796</td>
</tr>
<tr>
<td>Atlas Finance Fund</td>
<td>540,582</td>
<td>472,260</td>
</tr>
<tr>
<td></td>
<td>1,563,829</td>
<td>1,364,056</td>
</tr>
<tr>
<td>Commitments (note 3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$ 1,712,198</td>
<td>$ 1,494,966</td>
</tr>
</tbody>
</table>

Approved on behalf of the Society,

[Signatures]

Director

[Signature]

Director
### CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

#### OPERATING FUND

#### STATEMENT OF OPERATIONS AND SURPLUS

YEAR ENDED NOVEMBER 30, 1992

<table>
<thead>
<tr>
<th></th>
<th>1992</th>
<th>1991 (restated - note 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Membership fees</td>
<td>$171,759</td>
<td>$185,528</td>
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<tr>
<td>Advertising and subscriptions</td>
<td>97,142</td>
<td>107,322</td>
</tr>
<tr>
<td>Interest and other income - Schedule 1</td>
<td>50,088</td>
<td>64,289</td>
</tr>
<tr>
<td></td>
<td>318,989</td>
<td>357,139</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating expenses - Schedule 2</td>
<td>324,632</td>
<td>393,510</td>
</tr>
<tr>
<td>Loss from general operations</td>
<td>(5,643)</td>
<td>(26,371)</td>
</tr>
<tr>
<td><strong>Other income (expenses)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Convention</td>
<td>211,798</td>
<td>133,017</td>
</tr>
<tr>
<td>Publications - Schedule 3</td>
<td>13,442</td>
<td>(6,596)</td>
</tr>
<tr>
<td>Technical Programs - Schedule 4</td>
<td>(15,103)</td>
<td>10,673</td>
</tr>
<tr>
<td>Social Events - Schedule 5</td>
<td>(1,819)</td>
<td>829</td>
</tr>
<tr>
<td>C.S.P.G. Educational Trust Fund donation</td>
<td>(55,000)</td>
<td>(35,000)</td>
</tr>
<tr>
<td></td>
<td>153,318</td>
<td>102,923</td>
</tr>
<tr>
<td><strong>Net income</strong></td>
<td>147,675</td>
<td>76,552</td>
</tr>
<tr>
<td><strong>Surplus, beginning of year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As originally reported</td>
<td>875,527</td>
<td>809,053</td>
</tr>
<tr>
<td>Adjustment for correction of error (note 4)</td>
<td>16,269</td>
<td>15,407</td>
</tr>
<tr>
<td><strong>As restated</strong></td>
<td>891,796</td>
<td>824,460</td>
</tr>
<tr>
<td></td>
<td>1,039,471</td>
<td>901,012</td>
</tr>
<tr>
<td><strong>Transfer to Atlas Finance Fund</strong></td>
<td>(16,224)</td>
<td>(9,216)</td>
</tr>
<tr>
<td><strong>Surplus, end of year</strong></td>
<td>$1,023,247</td>
<td>$891,796</td>
</tr>
<tr>
<td></td>
<td>1992</td>
<td>1991</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donations</td>
<td>$49,526</td>
<td>$67,300</td>
</tr>
<tr>
<td>Interest</td>
<td>28,661</td>
<td>41,933</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>78,187</td>
<td>109,233</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>9,479</td>
<td>-</td>
</tr>
<tr>
<td>Publication costs</td>
<td>16,224</td>
<td>9,479</td>
</tr>
<tr>
<td>Less: Work in progress, end of year</td>
<td>(25,703)</td>
<td>(9,479)</td>
</tr>
<tr>
<td><strong>Total Cost of Sales</strong></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>-</td>
<td>1,200</td>
</tr>
<tr>
<td>Advertising and promotion</td>
<td>26,089</td>
<td>5,146</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>26,089</td>
<td>6,346</td>
</tr>
<tr>
<td><strong>Net income</strong></td>
<td>52,098</td>
<td>102,887</td>
</tr>
<tr>
<td><strong>Surplus, beginning of year</strong></td>
<td>472,260</td>
<td>360,157</td>
</tr>
<tr>
<td><strong>Transfer from Operating Fund</strong></td>
<td>16,224</td>
<td>9,216</td>
</tr>
<tr>
<td><strong>Surplus, end of year</strong></td>
<td>$540,582</td>
<td>$472,260</td>
</tr>
</tbody>
</table>
1. Accounting policies
   
a) Inventory
   
   Inventory of publications 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 comprised of publication costs incurred to date in respect of the Geological Atlas [note 3(a)].
   
c) Fixed assets
   
   Expenditures on fixed assets are expensed as incurred by the Society. Expenditures for the current year amounted to $7,952 (1991 - $4,649).
   
d) Donation pledges
   
   Donations pledged in conjunction with the Atlas Finance Fund are recorded when collectibility is assured. At November 30, 1992, pledges in the amount of $35,317 (1991 - $46,400) had not been accrued in the accounts.
   
e) Donated services
   
   These financial statements do not account for the value of donated services.
   
f) Income taxes
   
   The Canadian Society of Petroleum Geologists is a 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)(1) of the Income Tax Act.
   
2. Restricted funds
   
   The Society has entered into a joint venture with the Alberta Research Council to publish and market a Geological Atlas of the Western Canada Sedimentary Basin. The Society's fund-raising activities in connection with this joint venture have generated $540,582 (1991 - $472,260) which includes $125,440 (1991 - $109,216) transferred from operating surplus.
2. Restricted funds (cont’d)

The restricted funds are as follows:

\[
\begin{array}{ll}
\text{Cash and short-term deposits} & 1992: \$514,879 \quad 1991: \$458,791 \\
\text{Accrued interest receivable} & 1992: \quad - \quad 1991: \$3,990 \\
& \hline
& \$514,879 \quad $462,781 \\
\end{array}
\]

Atlas Finance Fund surplus is comprised of:

\[
\begin{array}{ll}
\text{Restricted funds} & 1992: \$514,879 \quad 1991: \$462,781 \\
\text{Work in progress} & 1992: \$25,703 \quad 1991: \$9,479 \\
& \hline
& \$540,582 \quad $472,260 \\
\end{array}
\]

3. Commitments

a) Atlas Finance Fund

The Society is committed to spend an estimated $350,000 in 1993 in printing costs for the Atlas. In addition, atlases valued at approximately $48,900 (1991 - $41,850) will be distributed on a complimentary basis to donors in conjunction with the fund-raising campaign.

b) Lease commitments

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

\[
\begin{array}{ll}
1993 & \$32,140 \\
1994 & \$32,140 \\
1995 & \$32,140 \\
1996 & \$27,154 \\
1997 & \$1,665 \\
\end{array}
\]
4. Prior period adjustment

The Stanley Slipper Award Committee of the Society was incorrectly excluded from the books of the Society for the year ended November 30, 1991. In order to reflect the accounts of this committee in the proper period, net income for the year ended November 30, 1991 has been increased by $862 and cash and opening operating fund surplus at November 30, 1991 have been increased by $16,269 and $5,407, respectively.

5. Statement of cash flow

A statement of cash flow has not been presented as it would not provide additional useful information.
Schedule 1

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

SCHEDULE OF INTEREST AND OTHER INCOME

YEAR ENDED NOVEMBER 30, 1992

<table>
<thead>
<tr>
<th></th>
<th>1992</th>
<th>1991 (restated - note 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and short-term deposits interest income</td>
<td>$45,463</td>
<td>$55,827</td>
</tr>
<tr>
<td>Committee interest income</td>
<td></td>
<td></td>
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<tr>
<td>Annual Convention</td>
<td>–</td>
<td>4,085</td>
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<tr>
<td>Continuing education</td>
<td>79</td>
<td>154</td>
</tr>
<tr>
<td>Honorary address</td>
<td>77</td>
<td>155</td>
</tr>
<tr>
<td>Men's Golf Tournament</td>
<td>392</td>
<td>768</td>
</tr>
<tr>
<td>Squash Tournament</td>
<td>451</td>
<td>99</td>
</tr>
<tr>
<td>Stanley Slipper</td>
<td>411</td>
<td>862</td>
</tr>
<tr>
<td>Visiting lecturers</td>
<td>116</td>
<td>–</td>
</tr>
<tr>
<td>10K Road Race</td>
<td>30</td>
<td>–</td>
</tr>
<tr>
<td>1989 Core Conference</td>
<td>122</td>
<td>244</td>
</tr>
<tr>
<td>1989 Tidal Symposium</td>
<td>51</td>
<td>1,091</td>
</tr>
<tr>
<td>Other income</td>
<td>2,896</td>
<td>1,004</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$50,088</strong></td>
<td><strong>$64,289</strong></td>
</tr>
</tbody>
</table>

Collins Barrow
### Schedule 2

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS**

**SCHEDULE OF OPERATING EXPENSES**

**YEAR ENDED NOVEMBER 30, 1992**

<table>
<thead>
<tr>
<th></th>
<th>1992</th>
<th>1991</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulletin and reservoir expense</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulletin publication</td>
<td>$58,634</td>
<td>$93,081</td>
</tr>
<tr>
<td>Special bulletin publication</td>
<td>-</td>
<td>38,718</td>
</tr>
<tr>
<td>Reservoir publication</td>
<td>69,758</td>
<td>73,639</td>
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<tr>
<td>Advertising sales committee</td>
<td>629</td>
<td>4,093</td>
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<tr>
<td>Awards</td>
<td>16,700</td>
<td>8,343</td>
</tr>
<tr>
<td><strong>Administrative</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual general meeting</td>
<td>1,740</td>
<td>2,075</td>
</tr>
<tr>
<td>Bank charges and visa</td>
<td>1,914</td>
<td>624</td>
</tr>
<tr>
<td>Executive committee</td>
<td>17,581</td>
<td>9,381</td>
</tr>
<tr>
<td>Liaison committees</td>
<td>3,552</td>
<td>8,607</td>
</tr>
<tr>
<td>Professional fees</td>
<td>15,556</td>
<td>21,149</td>
</tr>
<tr>
<td>Public service</td>
<td>17,993</td>
<td>2,952</td>
</tr>
<tr>
<td><strong>Office</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipment purchases, leases and maintenance</td>
<td>17,453</td>
<td>10,026</td>
</tr>
<tr>
<td>Insurance</td>
<td>6,015</td>
<td>2,998</td>
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<tr>
<td>Office rent</td>
<td>21,202</td>
<td>28,707</td>
</tr>
<tr>
<td>Postage</td>
<td>7,026</td>
<td>7,579</td>
</tr>
<tr>
<td>Salaries and employee benefits</td>
<td>68,049</td>
<td>64,919</td>
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<tr>
<td>Stationery, supplies and computer associated costs</td>
<td>5,906</td>
<td>14,298</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>329,708</th>
<th>391,189</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Less: Expenses recovered</strong></td>
<td>5,076</td>
<td>7,679</td>
</tr>
</tbody>
</table>

|                     | $324,632  | $383,510  |
Schedule 3

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

PUBLICATIONS

SCHEDULE OF OPERATIONS

YEAR ENDED NOVEMBER 30, 1992

<table>
<thead>
<tr>
<th>Sales</th>
<th>1992</th>
<th>1991</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSPG Publications</td>
<td>$ 78,495</td>
<td>$ 77,195</td>
</tr>
<tr>
<td>Joint Publications</td>
<td>8,238</td>
<td>14,281</td>
</tr>
<tr>
<td>AAPG Publications</td>
<td>45,596</td>
<td>39,575</td>
</tr>
<tr>
<td><strong>Total Sales</strong></td>
<td><strong>132,239</strong></td>
<td><strong>131,051</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cost of sales</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory, beginning of year</td>
<td>173,277</td>
<td>170,032</td>
</tr>
<tr>
<td>Publication costs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSPG Publications</td>
<td>44,352</td>
<td>105,150</td>
</tr>
<tr>
<td>Joint Publications</td>
<td>11,953</td>
<td>12,042</td>
</tr>
<tr>
<td>AAPG Publications</td>
<td>31,037</td>
<td>23,700</td>
</tr>
<tr>
<td><strong>Total Cost of Sales</strong></td>
<td><strong>260,619</strong></td>
<td><strong>310,924</strong></td>
</tr>
</tbody>
</table>

Less: Inventory, end of year

<table>
<thead>
<tr>
<th>Current Year End of Year</th>
<th>141,822</th>
<th>173,277</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Year End of Year</td>
<td>118,797</td>
<td>137,647</td>
</tr>
</tbody>
</table>

Net income (loss)

<table>
<thead>
<tr>
<th>1992</th>
<th>1991</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 13,442</td>
<td>$(6,596)</td>
</tr>
</tbody>
</table>
## Schedule 4

### CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

#### TECHNICAL PROGRAMS

#### SCHEDULE OF OPERATIONS

**YEAR ENDED NOVEMBER 30, 1992**

<table>
<thead>
<tr>
<th></th>
<th>1992</th>
<th>1991</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical luncheons</td>
<td>$142,345</td>
<td>$236,282</td>
</tr>
<tr>
<td>Continuing education</td>
<td>33,538</td>
<td>30,769</td>
</tr>
<tr>
<td>Honorary address</td>
<td>2,857</td>
<td>10,076</td>
</tr>
<tr>
<td>Field trips</td>
<td>1,701</td>
<td>590</td>
</tr>
<tr>
<td></td>
<td><strong>180,441</strong></td>
<td><strong>277,817</strong></td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical luncheons</td>
<td>147,794</td>
<td>221,151</td>
</tr>
<tr>
<td>Continuing education</td>
<td>27,774</td>
<td>25,600</td>
</tr>
<tr>
<td>Honorary address</td>
<td>2,582</td>
<td>7,779</td>
</tr>
<tr>
<td>Field trips</td>
<td>3,067</td>
<td>–</td>
</tr>
<tr>
<td>Visiting lecturers</td>
<td>2,066</td>
<td>3,134</td>
</tr>
<tr>
<td>1989 Tidal Symposium</td>
<td>–</td>
<td>2,631</td>
</tr>
<tr>
<td>Other</td>
<td><strong>12,231</strong></td>
<td><strong>6,849</strong></td>
</tr>
<tr>
<td></td>
<td><strong>195,544</strong></td>
<td><strong>267,144</strong></td>
</tr>
<tr>
<td><strong>Net income (loss)</strong></td>
<td><strong>(15,103)</strong></td>
<td><strong>10,613</strong></td>
</tr>
</tbody>
</table>
## CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

### SOCIAL EVENTS

#### SCHEDULE OF OPERATIONS

**YEAR ENDED NOVEMBER 30, 1992**

<table>
<thead>
<tr>
<th></th>
<th>1992</th>
<th>1991</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dinner and dance</td>
<td>$5,493</td>
<td>$4,124</td>
</tr>
<tr>
<td>Golf and squash tournaments</td>
<td>70,785</td>
<td>94,216</td>
</tr>
<tr>
<td>Past President's dinner</td>
<td>785</td>
<td>991</td>
</tr>
<tr>
<td>10K Road Race</td>
<td>2,923</td>
<td>3,826</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>79,986</td>
<td>103,157</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual dinner and dance</td>
<td>6,730</td>
<td>5,815</td>
</tr>
<tr>
<td>Golf and squash tournaments</td>
<td>71,470</td>
<td>91,554</td>
</tr>
<tr>
<td>Past President's dinner</td>
<td>-</td>
<td>1,672</td>
</tr>
<tr>
<td>10K Road Race</td>
<td>3,605</td>
<td>3,287</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>81,805</td>
<td>102,328</td>
</tr>
<tr>
<td><strong>Net income (loss)</strong></td>
<td>$(1,819)</td>
<td>$829</td>
</tr>
</tbody>
</table>
AWARDS

J.B. WEBB MEMORIAL TROPHY, J.A. DOWNING MEMORIAL TROPHY AND THE CSPG TROPHY (Keith Bottriell, Chairperson)

The Canadian Society of Petroleum Geologists recognizes the best student presentation (or poster session) at each of the three Inter-University Geological Conferences across Canada. The best student presentation at each conference is awarded with a $100 Publication Award consisting of a CSPG Publication of his/her choice. The Society also grants the hosting University a $500 grant to help with costs associated with these conferences. In addition, a Trophy has been donated for each conference and it is presented to the best speaker (or poster session). 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.

The John B. Webb Memorial Trophy was awarded for the best student paper presented at the Western Inter-University Geological Conference. The 1992 Conference was hosted at the University of Alberta in January, 1992. This year's winner was Rob Stevens, a student at the University of Alberta, for his talk entitled Regional Geology and Structure of the Teslin Suture Zone in Northwest Teslin Map area, Yukon.

The J.A. Downing Memorial Trophy was presented to the best student paper presented at the Central Canada Geological Conference. This conference was hosted by Waterloo University in February, 1992. The winner of the trophy was Ruth Wilde from the University of Toronto, for her presentation on the Manitowabing Meteorite.

The CSPG Trophy is awarded to the best student presentation at the Atlantic University Conference (A.U.G.C.), which was hosted by Acadia University in October, 1992. The best student presentation at this conference was David J. Pass from St. Mary's University for his talk titled: Late Paleozoic Volcanic Stratigraphy and Structural Constraints of Dyke Implacement Squally Point Western Cobequid Highlands Nova Scotia.

I have been the only member for this committee for the past 12 years and am interested in turning this over to someone else for 1993 and beyond. It does not take a lot of time and consists of contacting the three Universities each year prior to their Conferences and arranging 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.

ANDREW D. BAILLIE AWARD COMMITTEE (J.E. Kivon)

The A.D. Baillie Award is presented for the best oral presentation at a CSPG convention. As this year's convention was a joint AAPG/CSPG meeting no award selection was made, although the 1991 Award was presented to J.D. Reimer of Home Oil Company Limited. Dr. Andrew Baillie generously contributed $1000 to be divided between J.D. Reimer and his co-author M.R. Teare, also of Home Oil Company Limited. Dr. Baillie has made a donation which will allow the $1000 cash prize to be continued for, at least, the next ten years. The 1993 Annual Convention organizing committee will delegate the responsibility of choosing the next award.

MEDAL OF MERIT COMMITTEE (Jim Allan, Chairperson; Teresa Zwierzchowski, Gerhard Maier, Literature Search; Kevin Cole, Michael Covey, Steve Creaney, David James, Jan Jansonius, Greg McTavish and Frank Stoakes, Technical Review Committee)

The Medal of Merit is awarded annually for the best paper published during the previous year on a subject related to the petroleum geology of Canadian basins. The initial phase of this year's activities was an extensive literature search of domestic and international geological publications in which several thousand titles were accessed for relevant technical content. More than one hundred papers with appropriate petroleum geological themes were evaluated in a preliminary round
to develop a short list of 9 candidates for
detailed evaluation.

The paper selected by the final review
committee for the 1992 Medal of Merit is The
Petroleum Geochemistry of Canadian Beaufort
Tertiary 'Non-Marine' Oils by J.A. Curiale that
was published in Chemical Geology, volume

The chair wishes to thank all those who
volunteered their time to achieve the CSPG
goals for this year's Medal of Merit.

Stanley Slipper Gold Medal (John B.
Maher, Chairperson; Mike Hriskeyvich, Jim
Kirker, lan McIlraith)

The Stanley Slipper Gold Medal is the
Society's highest award made to an individual.
The reward recognizes significant contributions
to petroleum exploration in Canada. The Gold
Medal was designed by Calgary sculptor Bob
Stowell and has been cast by Birk's.

The committee has selected Arne Nielsen
as the 1992 winner of the award.

President's Award (Alice V. Payne,
Chairperson)

The President's Award is the highest
service award presented to individuals and/or
organizations for outstanding contributions to
the Society. Two individuals have been
selected to receive awards for 1992: Morley
Brown and George Eynon.

Morley Brown has been chairperson of the
Atlas Finance Fund since its inception in 1986.
The substantial donations from industry, which
Morley solicited on the Society's behalf, will
enable the CSPG to finance the printing of this
new Geological Atlas of the Western Canada
Sedimentary Basin.

George Eynon acted as General
Chairperson for the 1992 Annual Convention,
Environments of Exploration, which was held
jointly with the AAPG. A once-in-ten-years
event, this convention was an outstanding
success, technically, socially and financially,
thanks to the efforts of George and his team of
dedicated CSPG volunteers.

The Society sincerely appreciates the
energy and enthusiasm Morley and George
brought to their endeavours.

Honorary Membership Committee
(N.J. McMillan, Chairperson; Ashton F. Embry,
E.E. (Ned) Gilbert)

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

Seven nominations were considered by the
committee and the CSPG Executive. Oscar A.
Erdman was selected as the newest Honorary
Member for a successful, scholarly and
practical approach to petroleum exploration
spanning a life-long career.

The CSPG now has 45 Honorary Members
- two of them were charter members in 1927.

No changes in the Committee are
anticipated for 1992-93.

Link Award Committee (Gerald
Wendland, Chairperson; Geoff Burrows, Drew
Cadenhead, Burns Cheadle, Walt Gamp,
Adam Grosjean, Greg Jones, Rhea Karvonen,
Sandy Laing, Mike Marshall, Phil Rhyskamp,
Bart Scott, Alan Slater, Stan Williams)

The objective of the Link Award Committee,
established in 1958, is to encourage a high
level of oral presentation of technical papers
given before the Society at the noon hour
meetings. During the 1992 season, five papers
qualified for evaluation.

The 1992 winner is Fons Dekker who
presented the paper Hydrocarbon Exploration
Applications of Remote Sensing at the
luncheon meeting of November 3, 1992.

Again this year, the committee recognized
the high quality of most of the presentations.

R.J.W. Douglas Memorial Medal
(Stephen Greer, Chairperson; Dr. H. Williams,
Dr. R. Thompson)

The R.J.W. Douglas Memorial Medal
Committee selected Dr. Philip Simony as the
recipient for pioneer work and teaching:
- in documenting and mapping the complexly deformed and metamorphosed portion of the western Rocky Mountains, Selkirk and Monashee Mountains.
- in documenting a Late Precambrian continental margin in the southern Canadian Cordillera.
- in mapping the structure and tectonic development of the metamorphic core zone and basement gneisses of the southern Canadian Cordillera.
- for inspiring and enthusiastic teaching of structural geology and tectonics of the southern Canadian Cordillera.

CSPG GRADUATE STUDENT THESIS AWARDS COMMITTEE (Christian Vieu, Chairperson; Hugh Abercrombie, Andre Chow, Leslie Eliuk, Stephen Greer, Anthony Hamblin, Christopher Harrison, Don Keith, David Sturrock)

The role of this committee is to evaluate which M.Sc. and Ph.D. Theses make the most significant contribution to Canadian sedimentary geology each year. Criteria by which these 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, depth and thoroughness of research and overall effort as well as organization of chapters, quality of writing and effective use of illustrations.

Two awards are given, one in each category. The awards consist of a framed certificate, in addition to $300 worth of Society publications and a one-year membership in the CSPG. An advertising notice, written in both French and English, is sent every spring to all Canadian university geology departments as well as to the Geolog and the CSPG Reservoir. Theses are sent to the committee Chairperson by early September, and then read by the committee members from mid-September to late November. The winning theses are determined by early December, and their authors are notified thereafter.

This year seven M.Sc. and eight Ph.D. theses were submitted. The winner of the M.Sc. award was Joerg Wittenberg (University of Alberta) for a thesis entitled *Origin and stratigraphic significance of anomalously thick sandstone trends in the Middle Triassic Dolg Formation, west-central Alberta*. The choice of the winner of the Ph.D. award was unusually difficult to make this year due to the quality of theses of the final contenders. The winner of the Ph.D. award was Dr. Lavren Stasiuk (University of Regina) for a thesis entitled *Organic petrology and petroleum formation in Paleozoic rocks of Northern Williston Basin, Canada*. An Honourable Mention was given to Dr. Douglas Stewart (University of Ottawa) for a thesis entitled *Stratigraphy and sedimentology of the Chancellor succession (Middle and Upper Cambrian) south eastern Canadian Rocky Mountains*. A short notice, with photograph, acknowledging the achievements of these three people will appear in the *Bulletin*.

Changes to this committee this past year included the departure of David Halwas, Kathy Aulstine, Shelley Leggitt, Peter Aukes and Ross Maclean due to a variety of other commitments including involvement in other CSPG activities. This CSPG committee is probably one of the most demanding, as each member has to spend long hours reading all the material. On the other hand, this hard work is rewarded in more than one way. Committee members agree that reading freshly-produced theses provides a unique opportunity to learn new facets of geology, to keep up with new literature in their own field, and to get a general feel for what is being done (and where) in geological research in Canada; overall, a very positive experience. Dave, Kathy, Shelley, Peter and Ross have made significant contributions to this committee since 1988. Christopher Harrison, David Sturrock and Don Keith have now joined the committee. Significant “anniversary” milestones for two of our members are noteworthy. Stephen Greer has now completed his 10th year as a member (and past chairperson) while Leslie Eliuk has completed his 15th year. Stephen and Leslie have shown consistent commitment and enthusiasm over these years and now provide
very valuable experience and continuity to the activities of this committee. They have no plans to retire and we are grateful.

REGIONAL GRADUATE SCHOLARSHIPS
(Richard Thom, Chairperson; Lorne Rosenthal, Christian Viau, Steven Peter)

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 for $1,500 and is given to a graduate in each of three regions of Canada.

The 1992 recipients are:

Ontario/Quebec - Elizabeth Turner (Queen’s University), Proterozoic Reefs - Little Dal Group, Canadian Arctic.

Atlantic Canada - Martin Morrison (Memorial University), Sedimentology and Stability of Marine Slope Sediments, St. Pierre Slope, Atlantic Continental Slope.

Western Canada - Chris Holmden (University of Alberta), Sedimentary Isotope Chemistry of the Cretaceous Interior Seaway.

The CSPG/BP Canada Scholarship of $1250 is available to both graduate and undergraduate students at a Western Canadian university. The 1992 recipient was Richard Eoy, studying Reservoir Heterogeneity in the Halfway and Doig Formations, Alberta, for a Doctorate at the University of Alberta.

The CSPG/Norcen Undergraduate Scholarship, in the amount of $1250, was awarded to Kyla Arden at the University of Manitoba at Winnipeg.

CSPG UNDERGRADUATE AWARD COMMITTEE (Greg McTavish, Chairperson)

The Undergraduate Student Award is intended to encourage excellence in petroleum geology or related fields. The award is presented annually to one undergraduate student from each Canadian university. The student is chosen by his/her professor for outstanding performance in petroleum geology or the related fields of stratigraphy, sedimentology, paleontology or structural geology. The students receive a framed, engraved certificate and a one-year membership in the Society.

The 1991/92 Undergraduate Awards were presented to the following students:

Acadia: Jan Elaine MacDonald
Alberta: Kevin Yakiwchuk
Brandon: Ryan Hicks
B.C.: Christopher Clarkson
Brock: Kevin Brett
Calgary: Scott R. McLellan
Carleton: Andrew Conly
Concordia: Michael V. Thomas
Dalhousie: Roger Edgecombe
Guelph: Tracy Lawrence
Manitoba: Chris Kuzenko
McGill: Sherry Becker
McMaster: Jodie Smith
Memorial: Lisa Deanne Benson
Mount Allison: Roger Clarence Paulen
NB, Fredericton: Demian Robbins
NB, St. John: Jason Lavigne
Ottawa: M. Andre Gontier
Quebec: Michel Chapdelaine
Queen's: Jennifer L. Vezina
Regina: P. Kent Wilkinson
Saskatchewan: Barbara Stehwiend
St. Francis Xavier: Tom Charuk
Saint Mary’s: Tony Atkinson
Waterloo: Jonathon P. Doupe
Western Ontario: Karen Wright
Windsor: Craig Lohnes

1991 VOLUNTEER AWARDS (J.S. MacDonald, Chairperson)

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

Brian Doherty - Link Award Committee
Charles Toft - Link Award Committee
Ted Best - Medal of Merit Committee
Matt Duford - Medal of Merit Committee
Jeff Reid - Medal of Merit Committee
Wendy Watters - Medal of Merit Committee
Brian Zaitin - Medal of Merit Committee
H. Williams - R.J.W. Douglas Mem. Medal
Dave Organ - Stanley Slipper Gold Medal
Bob McAuley - Continuing Education Comm.
Anne Savanah - Continuing Education Comm.
Laurie Sleczak - Continuing Education Comm.
Cheryl Wright - Continuing Education Comm.
Andy Hogg - Honorary Address Committee
Jeff McLean - Honorary Address Committee
John Harger - Sedimentology Display Comm.
Janine Jones - Technical Program Committee
Sandra Labou - Technical Program Committee
Laurie Sleczak - Technical Program Committee
Derek Gilespie - 1991 CSPG Convention Com.
Art Irwin - 1991 CSPG Convention Com.
Dave Worsick - 1991 CSPG Convention Com.
Mike Cecile - CSPG Educational Trust Fund
Phil Hayes - Manpower Committee
Brian McBroom - Manpower Committee
Tim Hart - S.I.F.T. Committee
Andrew Langille - S.I.F.T. Committee
Brett Norris - S.I.F.T. Committee
Margaret Bures - Coal and Coaled Methane
Rick Leishman - Geomathematics and Computer Applications
Paul Frydl - Reservoir/Development Geology Division
Albert A. Wegelin - Sedimentology Division
Barry Boyle - AAPG House of Delegates
Chris LeGallais - APG House of Delegates
Hassan Sabry - AAPG House of Delegates
Benoit Beauchamp - National Conference on Earth Science
Jan Boon - National Conference on Earth Science
Jill Kirker - National Conference on Earth Science
Bill May - National Conference on Earth Science
Dave Smith - National Conference on Earth Science
Don Cook - North American Commission on Stratigraphic Nomenclature
Scott Gardiner - Public Affairs Committee
Andrew Langille - Public Affairs Committee
Randy Maksymowich - Public Affairs Committee
Mark McMurray - Public Affairs Committee
Bob Moffat - Public Affairs Committee
John Peirce - Public Affairs Committee
Tony Sacheli - Public Affairs Committee
Bob McMechan - Calendar Committee
Andrew Chow - Lexicon of Western Canada
Paul Frydl - Lexicon of Western Canada
Carl Hughson - Lexicon of Western Canada
Jeff McLean - Lexicon of Western Canada
C.E. Blackburn - Lexicon, Central Canadian Shield
Peter Bolton - Oil and Gas Pools
Brad Hayes - Oil and Gas Pools
Mike Weber - Oil and Gas Pools
Mark Oliver - Reservoir
Ed Wright - 1991 Nominating Committee
Bill Haskett - Advertising Committee
Alyson Robertson - Computer Facilities Comm.
John Hogg - Publication Sales Committee
Jack McMillan - Publication Sales Committee
Connie Freeman - Men's Golf Tournament
Gary Freeman - Men's Golf Tournament
Bill Galloway - Men's Golf Tournament
Ian Holmes - Men's Golf Tournament
Jim Milligan - Men's Golf Tournament
George Norgard - Men's Golf Tournament
Al Blackie - Men's Golf Tournament
Kathy Lapointe - Open Golf Tournament
Ann Ceccanese - Squash Tournament
Greg Loughlin - Squash Tournament
Loren Snyder - Squash Tournament

There are many other volunteers who are involved in CSPG committee work. Please accept our thanks for your continued service to the society.

1991 CSPG SERVICE AWARDS

CSPG Service Awards were presented to the following individuals for recognition of their active involvement in committee work and their outstanding volunteer contribution in the organizational aspects of the society.

Tom Demchuck - Chairperson - Paleontology Division
Robert J. Elias - Chairperson - Paleontological Monographs, GAC-CSPG Joint Committee
Rand Harrison - Co-Chairperson - Advisory Committee for the National Conference on Earth Science
Ninna Jessen - Co-Chairperson - Student Industry Field Trip
Greg Loughlin - Chairperson - Men's Golf Tournament
Gary Smith - Chairperson - Sedimentology Division
Chris Steudler - Chairperson - Manpower Committee
Clint Tippett - Initiating member Environmental Geology Division
Cathy Young - Treasurer - Student Industry Field Trip
The CSPG wishes to thank these members for the commitments they have made in supporting the society.

1991 CSPG TRACKS AWARDS
Jack Century - Environmental Division
Lorraine Silas - Student Industry Field Trip
The Tracks Award is to recognize outstanding contributions to the CSPG through committee work, in short they make tracks that other members can follow.

PUBLIC SERVICE
ARCHIVES AND HISTORY COMMITTEE (J.W. Porter, Chairperson)
The Archives and History Committee’s principal endeavor this past year was the preparation of a photographic exhibition entitled Windows into our Past - A photographic chronicle of early oil and gas exploration in Western Canada. This exhibition was on display during the AAPG Calgary convention from June 21 to 24 in the convention’s registration area in the Big Four building on the Stampede and Exhibition grounds.

About 160 8”x 10” prints mounted on foam-board, each with a caption, were attached to large display boards with Velcro. The format of the exhibition was the grouping of photographs into various categories or “chapters” with qualifying introductions and prefaces. Special attention was directed at the evolution of the CSPG (ASPG) and its founders, as well as other pioneer explorationists. The photographs and written material resulting from the Committee’s research into this project will add to the archival material relating to our Society’s past.

STUDENT INDUSTRY FIELD TRIP (Jocelyn Keith, Chairperson; Larry Strong, Treasurer; Glenn Larson, Greg Soule, Gregg Perras, Terry Hubensky, Tannis Gibson, Kirby Crowell, Regan Palsgrove, Andrew Fox, Don Sabo, Vince Ekvall, Sandy Lyon, Tony Cadrin, Bruce Power, Martin Teitz, Rob Fisher, Brian Parsons, Bruce McFarlane, Marten Wright and Dave Norem) We wish to express our regrets to Dave Norem’s family and friends on the event of his death this spring. His help on the 1992 SIFT Committee was much appreciated.

This trip was established in 1977 to help students from across the country become familiar with petroleum geology and the geology of western Canada. Each year, thirty-two of the top students in the country are selected from universities offering degree programs in geology or geological engineering.

The 1992 trip was held from May 3 to May 16 and was very successful. Five days of field trips throughout the Alberta and British Columbia foothills and Rocky Mountains were organized. An exploration seminar involving a fictitious hydrocarbon play helped students to apply their knowledge in a semi-realistic atmosphere. Many presentations and short courses were given by industry experts; there was a tour of a drilling rig near Calgary and, finally, a Rocky Mountain fly-over, in aircraft provided by Amoco.

The committee would like to thank field trip leaders, especially Bob McMeehan, Kevin Root and Brian Fischer from Shell Canada. We would also like to thank the University of Calgary, Department of Geology and Geophysics, and the Housing Department. All committee members should be commended for their work in a very well organized trip. Bruce Power is Chairman for the 1993 SIFT.
CSPG EDUCATIONAL TRUST FUND (J. David Burton, Chairperson - Subcommittee)

This registered charity, formerly known as the CSPG 50th Anniversary Trust Fund, was established in 1978 and designed to provide long term funding for educational activities deemed appropriate by the Society. For the past 14 years, the foremost of these activities has been the annual Student Industry Field Trip (SIFT) (see notes above). This year's SIFT included 32 students, and cost about $34,000 to conduct.

We are all aware of the current "shrinking" nature of our industry, being deluged with negative news regarding its general health on a regular basis. This, naturally, has been further reflected in enrollment levels within university geology programs. In the past few years it has actually been difficult at times for the SIFT Committee to locate even 30 students to conduct the trip. Petroleum geologists are a fairly optimistic group and most of us no doubt feel that in the not too distant future, things will settle down and we can all get back to the business of exploration and development. Such is the "boom and bust" nature of our industry. Given this, SIFT is an important educational vehicle of our Society. It is no coincidence that many past trip participants now enjoy successful petroleum geology careers throughout western Canada.

As has been noted, the name of the Trust Fund has recently been changed. This change is intended to reflect the broader nature of the Trust Fund's educational activities. For example, currently the fund is providing financial assistance to the EdGeo Workshop Program, a Canada-wide network of workshops, co-ordinated through the Canadian Geoscience Council, designed to assist high school teachers who conduct Earth Science courses. The $25,000 per year funding goes toward purchasing materials and samples that are locally relevant, and for field trips to provide teachers with first hand exposure to geology. Presently, workshops are being planned for 12 locations across Canada.

The Educational Trust Fund itself is currently invested in high security Government bonds, T-bills, etc. With low interest rates now in effect, earning sufficient income to fund our educational activities is becoming increasingly difficult. As of June 1, 1992, the fund contained $532,000. It is imperative that we, within the Society, continue to support the Trust Fund through charitable donations if it is to continue to provide the excellent educational services that it has for the past 14 years.

Donations are tax deductible and may be included on a separate cheque (payable to the CSPG Educational Trust Fund) with your annual dues payment. Receipts will be promptly provided. I would particularly urge those of you who may have influence with regard to corporate donations to seriously consider our appeal.

Thank you all for taking the time to consider our request.

EDUCATION TRUST FUND, BOARD OF TRUSTEES (Ken Havard, Chairperson; Sheila Hinton, Mike Hfnkewich, Ed Kovan, Jim MacDonald, Bill May) Financial Subcommittee (David Burton)

In 1992, the name of the 50th Anniversary Trust Fund was changed to the Educational Trust Fund. This was deemed necessary to reflect the purpose of the fund and the broader scope of educational activities that we fund. We currently sponsor the Student Industry Field Trip (SIFT) and are the largest contributor to the EdGeo program of the Canadian Geoscience Council. In 1992, SIFT provided 32 of the top university students in Canada with an opportunity to study western Canadian geology and to gain knowledge about the petroleum industry. The EdGeo program increases geoscience awareness across Canada by providing workshops for secondary school teachers and by public displays.

From 1978 until 1987, the 50th Anniversary Fund was permitted by Revenue Canada to accumulate funds without paying income tax or making annual disbursements. This permission expired on November 30, 1987. Legislative amendments to the income tax act subsequent to our establishing the fund now indicate the charitable organizations no longer
require permission to accumulate funds for purposes of establishing a permanent fund, as long as 80 per cent of its receipted donations received in the previous year are spent. Exceptions include capital received under a donor’s will and gifts subject to the written direction of the donor that they be retained by the charity for at least 10 years. For this reason, donors are requested when making a donation to the trust fund that they stipulate in writing that the donations are to be left for at least a 10-year period. Contributions to the fund will be acknowledged periodically in the Reservoir.

During the past year the Board of Trustees decided to invest all funds in low-risk, fixed-interest instruments. Due to a forecast of lower interest rates, some of the funds were locked into insurance annuity contracts for three- and five-year terms. The balance of the funds are invested in T-bills and Alberta Capital Bonds. This year, the CSPTG contributed $55,000 to the fund just prior to the year-end, accounting for the large amount of cash on hand.

The performance and holdings of the fund from December 1, 1991 to November 30, 1992 are summarized below. A savings account is maintained by the Educational Trust Fund Subcommittee to handle transactions into or out of the fund. These funds are incorporated in the following statement. This account normally contains less than $100, except at the end of the fiscal year when contributions are being received from members.

Performance

- Balance on December 1, 1991 $554,256
- Funds disbursed (SIFT and EdGEO) $39,015
- Funds contributed $86,187
- Fund Earnings $24,437
- Balance on November 30, 1992 $605,865
- Growth of Fund 9.3%

Holdings (November 30, 1992 Market Value)

- Cash $67,087
- T-bills and Strip Coupons $253,278
- Alberta Capital Bonds $58,500

- Insurance Annuities $227,000

Trustees, normally three past presidents, and three other members of the Society, each serve for three years. Ken Havard and Bill May will be retiring from the Board following the annual meeting of the Society. Replacements will be Alice Payne and Ed Wright by appointment of the Executive of the Society.

MANPOWER SURVEY (Ed Navickas, Chairperson; Mark Lenson, Lloyd Kuzmyn, Bruce Lyon, Phil Young, Ken Biggs, Brad Wallace, Keith Deutsch, Paul Collins, Vince Fera)

The annual questionnaire on employment patterns of petroleum geologists in Canada has been distributed to the industry since 1982. The Committee’s goals are to determine the demand for geologists by industry and to display this information for the benefit of our profession, industry, and universities. The results reflect hiring trends rather than absolute numbers since survey distribution and responses are never 100%. Since 1986, however, the total number of geologists represented by this survey has steadily dropped (2070 in 1986 to 1184 projected in 1993) while the number of companies surveyed and per centage response has remained fairly constant.

This year 379 companies were surveyed; 164 responded (43%) representing a total of 1264 employed geologists. This is down from the 1991 survey that represented 1701 geologists from 180 responding companies (a 49% response in that year).

The graphs published in the November, 1992 Reservoir indicates various trends of where we have been working within our companies, as well as the demand for experienced geologists and university graduates. Hiring levels still remain low. The significant contraction of large companies has not been offset through hiring by small- and medium-size companies who are in ”acquisition mode” for their production. Eventually, they will have to enhance and explore beyond their acquisitions and hiring levels should increase. Demand for university graduates is at its lowest
level in 10 years. For employed geologists the survey indicates an increase in the per centage of geologists working on international projects while the per centage of geologists working in other areas has remained fairly constant.

These are troubled times for our profession but the general industry feeling is that we are "on the bottom", and as the industry concludes its "downsizing", the trend should turn around.

Many thanks to our past chairperson Chris Steudler, our many committee members and to responding companies for their efforts.

CONVENTIONS AND SEMINARS

1992 ANNUAL CONVENTION - ENVIROMENTS OF EXPLORATION, AAPG/CSPG (George Eynon, General Chairperson; Gerry Macey, General Vice-Chairman)

1992 was a very special year for all Canadian geologists, and CSPG members in particular, as we had the pleasure of hosting the AAPG in Calgary in the Geological Survey of Canada's 150th Anniversary Year. The AAPG's membership had been polled several years ago and declared that along with San Francisco, Calgary was the most popular venue for their annual convention. Not wishing to disappoint them, CSPG members volunteered in the way that Calgarians have become famous for and created a technical and social program second to none in the history of AAPG conventions. As proof of their success, I had six ex-Presidents of the AAPG offer congratulations to us on the best-ever convention!

True to their voting preferences and lured by the quality of the technical papers, field trips, short courses and the social programs, the AAPG members and their spouses turned out in large numbers. The brochure developed for the pre-registration mail-out, which advertised the entire program and was envied even by the Calgary Visitors and Convention Bureau staff, obviously had the desired effect.

The convention attracted 5841 registrants; somewhat less than the last two conventions in San Francisco and Dallas, but remarkably good in a year of recession and industry cutbacks. This total includes 5060 professionals, students and exhibitors and 781 spouses. Excluding the spouses, the majority of whom were from the USA, 2385 were from Canada, 2260 from the USA and 407 from overseas. The Exhibit Hall was the second largest in AAPG convention history and one of the most successful for the exhibitors and conventioners alike. It was also a great success for the finances of the convention, providing about 50% of the gross revenues. The other 50% of revenues came from registration fees, which had been kept below $200(US) in order to make the convention affordable to everyone.

The administration of such a large convention, particularly one which is held in the less than ideal physical conditions of the Stampede Park, can not be accomplished without consummately professional convention management staff. The AAPG office in Tulsa is blessed with two of the very best in the business in North America - Michelle Mayfield and Bruce Lemmon. In prior years, the relations between the Tulsa office convention staff and the host Societies' volunteer organizing committees had often been strained, to say the least. When we embarked on this venture, fully two years ahead of the convention, the CSPG organizing committee made a conscious effort to work hard at creating an entirely co-operative effort. The Tulsa office staff were wonderful, with only the gentlest reminders necessary to maintain the CSPG's independence and separateness. The experience of the professional Tulsa staff in running numerous such conventions only made our task easier.

But it was the professionalism of the CSPG's own member-volunteers that was truly remarkable. It is almost rude not to list everyone who took on a volunteer role but there is a core of people that must be acknowledged and recognized for their efforts. If we were proud of the GSC before this event, we were all the more proud when they were honoured by the AAPG Executive at the opening ceremonies. The GSC offered its staff
in large numbers to help the convention, too, not the least whom was Ashton Embry, who organized the entire technical program with his usual efficiency and flair.

Having the mountains on our doorstep set up great expectations of the field trip program on the part of the attendees, and the CSPG was blessed with the services of John Hogg who, yet again, ran a magnificent set of field trips. The other part of the technical program that required intense effort was the short course series and these were successfully organized by Geoff Burrowes. Both the field trip and short course programs ran at a profit to the CSPG. A major part of the attraction of the convention for out-of-town attendees, and a measure of its success, too, is the social program.

Greg Kaiser and his assembled team of enthusiasts offered a social program that showed off all the best aspects of Calgary's culture and entertainment. Three wives of members handled the hospitality program for the spouses and guests of the convention registrants with grace, warmth and creativity. Our thanks go to Judy Benson, Rhyll Maiklem and Linda Whitworth who did such a fine job.

Much of the credit for the financial success of the convention has to go to Dave Work who headed up the fund raising committee. In a year or so of tight budgets and recessionary caution the committee did a magnificent job.

Many others, too numerous to mention, contributed to the overall success, and Gerry Macey and I are extremely grateful to them all. Without Gerry being there to pick up the ball on numerous occasions – for extended periods of time – it could not all have happened so seamlessly, and we would not have been able to turn the $200 000+(CDN) revenues over to the CSPG.

Finally, thanks to the past and present Executive of the CSPG for their support, and may the return of the AAPG in 2003 be as successful for our Society.

RESOURCES (Benoit Beauchamp and Ashton Embry, Co-Chairperson; Benoit Beauchamp, Ashton Embry, Graham Davies, Peter Aukes, Christian Viau, Ian Moffat, Clarence Campbell, Jim Barclay, Charles Henderson and Terry Poulton, Technical Program; Dave Gibson, Field Trips; John Utting, Grants; Sylvie Pinard, Treasurer; Elspeth Snow, Registration; Mike Dawson and Jo Monro, Entertainment; Rhea Karvonen, Alan Bishop, Jules den Haan, Drue Robinson, Gary Smith, Tobin Webb and Joerg Wittenberg, Core Workshop; Terry Poulton, Poster Sessions; Neil Watson and Bob Lee, Commercial Exhibits; Kathy Aulstein, Accommodation; Shelley Leggitt, Transportation; Don Glass, Publication)

The 1993 CSPG Convention will be held August 10-15, 1993 at the Calgary Convention Centre. It will be co-sponsored by the Global Sedimentary Geology Program (GSGP), and will focus on Carboniferous (Mississippian-Pennsylvanian) to Jurassic environments and resources. In recent years, CSPG conventions and other gatherings have, understandably, focused mostly on Devonian and Cretaceous deposits. The time has come for a CSPG Convention that will cover the intervening Carboniferous to Jurassic interval, for which there is a genuine interest in the oil patch, as shown by a wide range of exploration efforts in recent years.

For this convention, CSPG will join with the Global Sedimentary Geology Program (GSGP; Robert Ginsburg, Chairman). GSGP is a Commission of the International Union of Geological Sciences (IUGS). Its mandate is to extend our understanding of the history of the earth, through global scale research on sediments, sedimentary rocks and their contained organisms and remains. One of GSGP's major goals is to improve our ability to find, produce and husband natural resources in sedimentary deposits. The newest GSGP Project, the Pangaea Project, will look at the Carboniferous to Jurassic global sedimentary record: when the super-continent Pangaea was assembled, existed and broke up. Significant hydrocarbons accumulated during that period, forming some of the largest oil and gas-
producing structures of the world. Important reserves of Carboniferous to Jurassic phosphate, coal and potash are also known to occur in various sedimentary basins. Carboniferous to Jurassic environments were, in many ways, unique and existed at a time of important perturbations in the biosphere and atmosphere — marked by at least two major mass extinctions, by unprecedented minimas and maximas in the ocean geochemistry, and by an overall icehouse climatic setting that led to one of the most extensive glaciations of the earth’s history.

At a time when the world is becoming one big village, and at a time when many companies are seeking new exploration frontiers abroad and overseas, the 1993 CSPG Convention, also known as the Pangea Conference, will provide a forum for a wide variety of presentations dealing with both environmental and economic aspects. Using the Mississippian to Jurassic pre-, syn- and post-assembly history of Pangea as a thematic background, the convention will bring together keynote speakers dealing with the big global picture or presenting classic case histories from the Jurassic Smackover Formation to the Permian reef plays of the Ural Mountains to Western Canada researchers and explorationists will present their equally fascinating ideas and plays, from the Mississippian Pekisko Formation to the Jurassic Nordegg Formation. This mixture of global and local geology will provide attendees with new ways to address specific problems, and enable them to place their research and exploration into a new, exciting direction: the global perspective.

The organization of the Pangea Conference is going full steam ahead, and Technical Program Committee meetings as well as Steering Committee meetings are being held on a monthly basis. The response we are getting from our first circular is already beyond our best hopes, and there is no doubt that the conference will be a success. The Technical Program of the Pangea Conference will feature a wide variety of speakers, many of whom are among the best in their respective fields. A great number of people are currently helping out with the organization of special sessions, and many of the world’s best geoscientists have committed themselves to attend the conference and present various papers. Between three and four hundred presentations are expected, with five or six simultaneous sessions. Thirty minutes will be given for each oral presentation. A large number of poster boards will also be arranged along the walls of the exhibition hall of the Convention Centre, around the various commercial exhibits. A dozen field trips are being organized, as well as a core workshop that will display cores from around the world in addition to post-Wabamun/pre-Mannville cores of Western Canada. The core workshop will be held at the ERCB Core Research Centre. Short courses are being organized. Among others, Noel James and Roger Walker will give a couple of short courses based on the latest edition of GAC’s Facies Models. The entertainment program will include a variety of day trips to local attractions for the conference attendees and their spouses. The ice-breaker will have an international flavour: it will feature an international food fair, and a wine and beef degustation. A conference luncheon will be held on Monday, August 16, 1993 at the Palliser Hotel, and will feature Dr. Robert N. Ginsburg who will give a talk on the challenges of global geology and exploration. A banquet will be held Tuesday, August 17 at the Wainwright Hotel at Heritage Park.

**SCIENTIFIC PROGRAMS**

**TECHNICAL PROGRAM COMMITTEE**

(George Benns, Don Stachiw, Co-Chairpersons; Louis Girard, Ticket Sales Coordinator/Treasurer; Shane Peichaty, Treasurer; Sandy Denton, Greg McTavish, Projectionists; Fernando Gaggin, Bruce Power, Arrangers for the Speaker Thankers)

The Technical Program Committee for 1992 held a total of 16 noon luncheon talks between January and December. A wide variety of topics were covered in the presentations, from geographic areas as far-
reaching as Antarctica to the more familiar western Canadian Sedimentary Basin. Several sequence stratigraphy talks covered a wide spectrum of depositional settings from the non-marine to continental margins and deltas. Western Canada topics varied from the regional scale – structural stresses – to the detailed scale – reservoir models for the Pembina Cardium and the Wayne Rosedale Basal Quartz. The Committee would like to thank all the speakers of the past year for their excellent presentations, and also thank the people who volunteer to help the Committee. It is these efforts which make the Technical Luncheon Program the success that it is.

Attendance at this year's luncheons have shown a significant decline from previous years, averaging 621, down 28%! This is the second year of declining attendance, but considering the state of the industry, we feel that this level of support by the society's membership and their companies is outstanding.

The Technical Program Committee would like to acknowledge the assistance of the CSPG office in ticket sales and organization. Many thanks to all the ticket sales volunteers and their companies, for it is through their efforts that the 1992 program has been successful. We would also like to acknowledge Chevron Canada Resources who provides logistical and financial support to the committee.

The 1992 CSPG Technical Luncheon talks are listed below, followed by the attendance in parenthesis:

Jan. 14 Alan J. Scott, Alan J. Scott and Associates: Controls and Variations of Valley Fill Sections (922)


Feb. 25 Sebastian Bell, ISPG: Present Day In-Situ Stress in Western Canada and Implications for Hydrocarbon Recovery (628)

Mar. 17 Robert Carter, AAPG Distinguished Lecturer: Mid-Pleistocene Orbital Forcing and Continental Margin Cyclothem: A Test of the Sequence Stratigraphic Mode (513)

Mar. 24 Peter McCabe, USGS: Sequence Stratigraphy in the Search for Hydrocarbons in Nonmarine Strata (675)

Apr. 7 Ron Kreisa, Mobil Oil Canada: A Geologic Model for the Reservoir Architecture at Pembina (702)

Apr. 28 Mike Dumestre, Norcen International: Petroleum Geology of the Neuquen Basin, Argentina (613)

May 13 Steve Garrett, Chevron Canada Resources: West Antarctica (521)

May 28 Bradford Macurda, Jr. The Energists: The Sequence Stratigraphy of a Delta - Allogenically or Autogenically Driven? (537)

Jun. 18 Bill May and Shirley Dawson, W.R. May & Associates: Understanding the Effects of the Pore Geometry Upon Well Log Responses – A Tool for the 90’s (728)

Sep. 9 Godfried Wasser, Eucalyptus Consulting Inc. and Tony Cadrin, PanCanadian: Reservoir Geology of the Basal Quartz: Wayne Rosedale Area, Central Alberta (410)

Oct. 7 Jeff Packard WR May & Associates: A Tale of Two Dolomites (598)

Oct. 19 Daniel T. Georgi, Core Laboratories, Houston, Texas: Profile Permeametry for Reservoir Description (513)

Nov. 3 Fons Dekker, Happy Valley Productions: Hydrocarbon Exploration Applications of Remote Sensing (521)

Nov. 23 Hans G. Machel, Dept. of Geology, University of Alberta: Anomalous Magnetization as Indicator for Hydrocarbon Seepage – With Application to Hydrocarbon Exploration (478)

VISITING LECTURER COMMITTEE (M.H. Chambers, Chairperson)

This committee is responsible for making arrangements for presentations by representatives of the CSPG to the Earth Science Departments of Canadian Universities. This includes the Link Award Tour and the Visiting Lecturer Tours.

This past year, Dr. John Weissenberger, Esso Resources Canada, as part of his Link Award (1991) toured the universities of: Brock, Western Ontario, Ottawa, Manitoba, Brandon, Dalhousie, Concordia, Queen's, Laurentian and Lakehead. Dr. Weissenberger's Link Award winning talk was entitled Evolution of an Upper Devonian Platform Margin: An Integrated Biostratigraphic and Sequence Stratigraphic Approach.

I want to thank John for all his efforts in making this tour a success and Esso Resources for sponsoring one of these tours.

Dr. Jeffrey Packard, Geosig Consulting, toured the universities of St. Mary's, St. Francis Xavier, Mount Allison, New Brunswick and McGill. Dr. Packard's lecture was entitled Divergent Dolomitization Models from Stacked Devonian and Mississippian Reservoirs, Western Canada.

I want to thank Jeff for all his efforts in making this tour such a success.

For the spring of 1993 Dr. Packard will tour through the western Canadian universities.

HONORARY ADDRESS (Randy Maksymowich, Karen Hall, Co-Chairpersons; Bob Kuchinski, Curtis Evert, Rob McFarlane, Sandra Dey, Phil Roulston, Frank Chappel)

The mandate of the Honourary Address Committee is to annually feature a prominent member of the scientific community in an address to the general public. This year's talk, Calgary - A Geological Odyssey, was given by Dr. Michael Wilson, Visiting Professor of International Studies at Hokkai-Gakkuen University in Sapporo, Japan and editor of the CSPG publication, The Geology of the Calgary Area. Dr. Wilson has studied the Geology and Archaeology of the Calgary/Bow Corridor extensively and was the perfect host for a tour of Calgary's backyard.

The event, held on November 18 at the Jubilee Auditorium, was attended by over 650 persons. The attendees were treated to a visual tour of the significant Geological features in the Calgary area. Dr. Wilson placed the local Geological picture in a global context in order to illustrate its uniqueness. His talk displayed how a lack of appreciation of and respect for Geology can lead to a certain amount of "self-imposed misery". He referred to the construction of housing and commercial developments along a river prone to flooding, and above underground stream channels, which causes more than a few flooded basements.

This year's event was again highlighted by corporate sponsorship of student tickets, which allowed many enthusiastic students of all ages to attend free of charge. The following companies are thanked sincerely for their generous support of this event:

Renaissance Energy Ltd.
Poco Petroleum Ltd.
Gibsons Petroleum Co. Ltd.
Total Petroleum Canada Ltd.
Canadian Hunter Ltd.
Petrel Robertson Ltd.

Congratulations to all Committee members for their effort and dedication over the past 12 months. New Chairpersons for the 1993 year are Rob McFarlane (Husky) and Phil Roulston (Bow Valley). Retiring Committee members include: Bob Kuchinski (BPB), Curtis Evert (Hunt Oil), Karen Hall and Randy Maksymowich (Petro Canada). As planning will begin in earnest for 1993, new volunteers wishing to join the Committee are encouraged to contact one of the Chairpersons via the CSPG office. As well, suggestions for future talks are always welcome and can be communicated to any of the committee members.

ONE DAY FIELD TRIP COMMITTEE (Don Rogowski, Chairperson; Chuck Buckley, Brad Maynes)
The one day field trip committee organized three field trips for the 1992 season. Due to poor response, however, the trip to Dinosaur Provincial Park was cancelled. The other two trips to the Burgess Shale outcrop on Mount Wapta and the Turner Valley triangle zone were well received.

The trip to the world-renowned Burgess Shale outcrop at the Walcott Quarry was held on August 9th. This trip was led by Rosemary Powers who has led several trips to the quarry over the past few years. Scientists from the Royal Ontario Museum, including Dr. Desmond Collins, were working the quarry on the day of the trip. Several specimens of the intricate organisms which house this deposit were observed. Dr. Collins and his crew were extremely helpful and answered numerous questions for participants on the trip. In addition, some new species of organisms which had just been discovered were examined.

The Turner Valley structure field trip was held on October 24. This trip to the triangle zone located at the leading edge of the foreland fold and thrust belt was led by Paul Mackay of Amoco. This is the first time the committee has run this trip and by all accounts it was extremely successful, thanks in part to the good weather.

At this time, I am stepping down as chairperson of the committee, due to other commitments. I would like to thank Chuck Buckley, Rife Resources, and Brad Maynes, Aztec Resources, for their help with the committee. In addition, I would like to thank all of those people who have participated in and contributed to the success of these trips. Trips are presently being planned for 1993 and anyone who has an idea for a trip can contact Chuck Buckley at 221-0823 or Brad Maynes at 234-8882.

SEDIMENTOLOGY DISPLAY COMMITTEE
(Michael Breiteneder, Chairperson; George Pastirik, Logistics; Geoff Burrowes, Carbonate Core Display; John Corkery, Leslie Eliuk, Ken Potma, Brian Pratt, Malcolm Simpson, Kevin Stromquist, Nigel Watts, Jeff Packard, Steve Charbonneau, Technical Display)

The mandate for this committee is to maintain a technical liaison between the CSPG and post-secondary education institutions in Canada by creating technical displays which tour the country.

Once again, the "Oil Sands of Alberta" exhibit is continuing its tour of Canadian Universities. This year it will visit University of British Columbia, University of Victoria, Grande Prairie Regional College, University of Calgary, and the University of Lethbridge.

The "CSPG - Gulf Canada Carbonate Core Display", completed in 1991, is on a swing through western Canada. The universities hosting this display this year are: University of Calgary, Grande Prairie Regional College, University of Alberta and the University of Lethbridge. This display is a hands-on exhibit designed as a teaching tool, and will be available as the schedule permits.

Construction of the final display, the stand-up exhibit entitled "Carbonate BUILDUPS of CANADA Through Time", is progressing well. All technical data have been amassed, and are awaiting editorial review, drafting and artwork, to be completed in 1993.


CONTINUING EDUCATION COMMITTEE
(Glen Squires, Chairperson; Virginia Trapnell, Treasurer; Graeme Bly, Lynne Chrumka, Maggie Kasekende, Jana King, Dianne Leonhardt, Atthea Lincoln, Suzan Moore, George Pastirik, Jennifer Sadee, David Work, Bob Milspaugh (AAPG))

The Committee ran four courses, which were attended primarily by employed CSPG members. The courses listed are accompanied by the unaudited gross and net revenue figures.

Computer Applications in Petroleum Exploration, Geology, and Resource Evaluation, by Eric Dahlberg. (Attendance 21); 03/25 - 26/92; $6300/$1786
Petroleum Exploration in Fold and Thrust Belts, by Peter Jones. (Attendance 17); 04/13-14/92; $5625/$1786

Evaluation and Risk Analysis of Canadian Oil & Gas Properties, by Sproule Associates Limited. (Attendance 30); 05/4-8/92; $20 800/$1001

International Exploration: The Canadian Perspective, by Javed Iqbal et al. (Attendance 20); 10/14/92; $3160/$860

Totals: $35,885/ $5443

The Committee also lent its support, in the form of free advertising, to a seminar concerning remote sensing, which was coordinated by Fons Dekker.

Special thanks are due to the committee’s most active members over the past year: George Pastirnik and Virginia Trapnell.

The Oil & Gas Forum, which was first held in 1991, is tentatively scheduled for April, 1993. The Evaluation course by Sproule received high marks from participants and consequently will be held again in May. Other courses being organized for April or May address horizontal drilling applications, starting your own consulting/oil & gas company, and a carbonate seminar/core workshop.

More detailed information regarding the committee’s course agenda can be found in the February Reservoir, and is also available for pickup at the CSPG office.

David Work has retired from the Committee to assume other CSPG tasks. Recent additions to our team are: Lynne Chrunika, Jana King, Suzan Moore and Jennifer Sadee.

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

The goal of the Visiting Petroleum Geologist (VPG) committee is to organize and carry out a program whereby a Canadian petroleum geologist annually visits various Canadian universities and makes a presentation on a subject that exemplifies the application of petroleum geology for finding and developing oil and gas reserves. In addition, time is allocated after the presentation for the Visiting Petroleum Geologist to discuss the business side of the oil industry, such as industry expenditure levels, and short- and long-term employment in the oil industry. The purpose of the program is to provide an accurate and timely view of the industry to university students, geology professors and university administrators.

The VPG Program is a relatively new CSPG program with the first tour taking place in 1989. That tour was conducted by Peter Meehan, Husky Oil, who visited six universities followed in 1990 by Ken Drummond, Mobil Oil Canada Ltd., who toured five universities. In 1991, the VPG tour was jointly carried out by Patricia Cucman and Tim Marcham, Amoco Canada Ltd. A total of six universities were visited by these two speakers. This year’s tour was conducted by Fons Dekker who presented his talk Hydrocarbon Exploration—application of Remote Sensing to five universities: Dalhousie University, McGill University, University of Western Ontario, University of British Columbia, and University of Saskatchewan.

Mr. Dekker’s tour was sponsored by Petro-Canada Resources Ltd.

The universities have been very appreciative of the willingness of a petroleum professional to visit their campuses and provide them with a technical presentation and an update on the industry. To increase the on-campus promotion of the 1992 VPG tour, posters were improved and sent with covering letters to the Geological Clubs as well as the liaison professors. According to Mr. Dekker, the effort paid off as his presentation was well attended at all universities.

The VPG committee extends a hand of appreciation to Fons Dekker for carrying out the 1992 VPG tour. Thanks also to Petro-Canada Resources Ltd. for covering all travel and accommodation expenses associated with the tour. Planning is under way for the tour in the fall semester of 1993. Because past tours have been sponsored by companies in conjunction with recruitment of prospective employees, the downturn in hiring has forced us to look at alternative ways to finance future tours. The VPG committee is confident that new ideas in this regard will ensure the continued success of the VPG program.
The 1992 Committee has had a change in personnel as the Chairperson, Takc Koning, was transferred to Nigeria. Brent Snyder, Murphy Oil Company Ltd., will be assuming the Chairperson position while Paul Poscente of Norcan Energy will be joining as a committee member.

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

Two papers were reviewed by the committee in the past year and recommendations for improvement were given to the Bulletin editor. Advice was also given to the compilers of stratigraphic charts for the Western Canadian Sedimentary Basin.

TECHNICAL DIVISIONS

ENVIRONMENTAL GEOLOGY DIVISION
(Darcie Greggs, Chairperson; Anthony Berger, Jack Century, Peter Dankers, Fons Dekker, Dave Elliott, Rory Hankel, Paul Whitby, John Wonfor - Steering Committee)

The Environmental Geology Division finished its third full year of activity in 1992. The following are the technical meetings, workshop and convention activities held over the past 12 months:


Mar. 19 Dennis Leask: Environmental Opportunities for Geoscientists in Transition.


May 21 Stefan Bachu: Geological and Environmental Constraints on Deep Disposal in the Athabasca Area.

Jun. 6 Dave Elliott and Tom McAlister co-chairs of all day workshop: Changing Directions: A workshop on Environmental Opportunities for Geoscientists in Transition.

Jun. 19 -24 AAPG/CSPG Annual Convention in Calgary:
(a) Two day Field Trip: Petroleum, Coal and Environmental Geology - The Central Alberta Basin; with guidebook.
(b) Two technical sessions: Environmental Issues and Opportunities; and Petroleum Exploration in Environmentally Sensitive Areas.

Sep. 25 Millard Wright: Issues Associated with Contaminated Sites.

Oct. 22 Brian O'Farrell: Responsibilities of Individual Professionals under the new Environmental Legislation.

Nov. 26 John Korec: National Classification System for Contaminated Sites.


Jack Century chaired this Division until June, 1992, when Darcie Greggs was elected to succeed him. This Division participated in the Mayor's Environmental Expo which ran June 2 - 4, and was nominated for a Mayor's Environmental Achievement Award in the Not-for-Profit Achievement Category.

Also in June, our brochure Planning and Managing the Human Environment: The Essential Role of the Geosciences was printed and distributed at the AAPG/CSPG convention, as well as internationally at the Cogeoenvironment conference. It has been very well received. The CSPG, the International Union of Geological Sciences, the
Canadian Geoscience Council, Alberta Department of Energy, Mount Royal College, and J.R. Century Petroleum Consultants Ltd. all contributed to the funding for this brochure.

SEDIMENTOLOGY DIVISION (Rhea L. Karvonen, Chairperson; Peter Aukes, Chuck Buckley)

The Sedimentology Division continued its monthly noon hour lecture series of technical talks, courtesy of Norcen Energy, who provided the meeting room and projection facilities. Geomania (Manager: Frank Pomroy) continued to generously donate gifts to be presented to the Sedimentology Division speakers.

The 1992 technical presentations were as follows:

Jan. 23 Jeff Packard, Consultant: Divergent dolomitization models from stacked Mississippian and Devonian reservoirs, northwestern Alberta.

Mar. 12 Ian McIlreath, Petro-Canada: The Burgess Shale and life in the shadow of a great wall - the Cathedral Escarpment.

Mar. 26 Dean Potter, Mark Resources: Minton pool, SE Saskatchewan, a model for basement-induced structural and stratigraphic relationships.

Apr. 15 James MacEachern, University of Alberta: The substrate-controlled Glossifungites ichnofacies: applications to the recognition of sequence stratigraphic surfaces within the Cretaceous of Alberta.

May 21 Leslie Eliuk, Shell Canada Ltd.: Dolomite and sour gas (TSR) - a look back and a look forward

Jun. 10 Bob Workum, Consultant: Devonian matrix dolomite, of burial or near surface origin?

Sep. 10 Adam Hedinger, Consultant: Fairholme Group stratigraphy and sedimentology, northern Front Ranges, Alberta.

Nov. 18 Diane Emond, Esso Resources Ltd.: Upper Triassic tidal flat carbonates of the Boundary Lake Member, NE B.C.

Two one-day field trips were run in July/August to Costigan Mountain with Nick Meljer-Drees, ISPG to examine the Palliser and Exshaw formations via Lake Minnewanka.

A full slate of noon hour speakers is planned for 1993, including one or two informal field trips.

STRUCTURAL GEOLOGY DIVISION (Larry S. Lane, Chairperson)

The Structural Geology Division meets monthly on Monday evenings in the boardroom at the Institute of Sedimentary and Petroleum Geology, 3303 - 33rd Street NW. Each meeting features an informal talk or slide show of 45-60 minutes duration, on a subject of interest to structural geologists. In 1992, eight talks on a variety of topics from across Canada were heard by 20 to 30 interested geologists. Unfortunately, reluctance by industry-oriented members to volunteer presentations continues to result in an over representation of thesis-related talks. The commitment of those younger members is a lesson to the rest of us. The speakers and titles are listed below:


Feb. 10 Kevin Root: Middle Devonian thrust belt development in the southern Canadian Cordillera - evidence from the Purcell Mountains, southeastern B.C.

Mar. 9 Glen Stockmal: Structural Geology of Port au Port peninsula, western Newfoundland: Triangle zone of a different colour.

Apr. 6 Steve Hiebert: Deformation styles near the leading edge of the fold and thrust belt, Pincher Creek, Alberta.

May 11 Larry Lane: New constraints on Canada Basin (Arctic Ocean) evolution based on FGP crustal studies in the Beaufort Sea.

Oct. 5 John Varsek: Crustal structure of the southern Canadian Cordillera, Rocky Mountains to Vancouver Island, based on LITHOPROBE and COCORP seismic reflection transects.
Nov. 2 Maks Posavec: Transpressional underthrusting structural model for the western Canada sedimentary basin: implications for hydrocarbon exploration.

Dec. 7 Heather Plint: Eocene tectonism in the Horse Ranch range, north central British Columbia.

This year the Structural Geology Division introduced a second series of presentations, the Lunchtime Seminars, conceived and organized by Andrew Newson. These events are supported by Mobil Canada, Sceptre Resources and BFR Geophysical Consultants who provide meeting space, coffee and doughnuts, and mailout services. Each presentation is 40-50 minutes long, and is normally on a specific technique relevant to the practical application of structural geology. In five seminars during 1992, attendance has ranged from 30 to 80. The seminar presentations were:

Mar. 18 Bruce Wrightson: Grassy - A case study for integrating geological and geophysical data for structural analysis.

Apr. 22 Peter Brown: Section balancing methods applied to a frontal duplex/antiformal stack in the Aguazurag block, Bolivia.

May 21 Eric Paauwe: Formation Micromer applications in detailed structural analysis and fracture evaluation.

Sep. 22 Konstantin Sabornov: Structural Geology and petroleum potential of the north Urals thrust belt. (Special Presentation)

Nov. 18 Philip Simony: Fun with the Bengston plot and the analysis of not so cylindrical structures.

It takes a little effort to volunteer one's time to prepare and give a talk, and my thanks go to all those who gave something back to the Society by making a presentation. The same goes for Seminar organizer Andrew Newson, who will continue in that capacity next year, and the new Structural Geology Division chairman for 1993, Dr. John Varsek of Petrel-Robertson.

GEOMATHEMATICS AND COMPUTER APPLICATIONS DIVISION (Richard Leishman, Paul Price, Co-Chairpersons)

During 1992, the focus of the Division was on the presentation of noon-hour technical talks. The topics were selected with the objective of presenting timely material of interest to petroleum industry geologists, geophysicists and engineers in the rapidly changing computer and geomathematical areas. Similar activities are foreseen for 1993. The talks presented during the year are listed below. Since Fall 1992, the Geomatics and Computer Applications Division has been co-chaired by Paul Price, the National Energy Board, Calgary and Richard Leishman, Husky Oil, Calgary.

Feb. 11 Lem MacDonald, ARC, Calgary and Ray Burgoy, Revenue Canada, Calgary. Assistance Programmes for Scientific Research and Development Ventures.


Jun. 9 David Hughes, ISPG, Calgary. Aspects of Litho-Stratigraphic Computer Modelling of Coal Data.


INTERNATIONAL DIVISION (Al Jenik, Chairperson; Don Holmes, Vice-Chairperson; Tako Koning, Secretary; Howie Zorian, Second Secretary)

The International Division held monthly noon meetings on the petroleum geology of areas outside of Canada. Talks were held at Mobil Oil Canada's second floor auditorium, 330 - 5th Avenue S.W. The International Division would like to thank Mobil Oil Canada for hosting these meetings, and for graciously providing refreshments.

Talks presented during 1992 are listed below:

Jan. 8 Bill Barclay, Consultant: South Pacific Island Arc Kitchens.


Feb. 12 Doug Coulombe: Geology of the island of Barbados.

Apr. 2 Allan Flavelle, Omega Oil N.L.: McArthur Basin, A Major Emerging Proterozoic Oil Province in Australia.

May 12 Hakim Sikander, Consultant: Red Sea—Gulf of Aden, Regional Hydrocarbon Evaluation Project.


Sep. 30 Ian Moffat, Gulf Canada: Caledonian and Hercynian Outcrop Geology, Tassili Najer South Algerian Sahara.

Oct. 6 K. Sobornov, Dept. of Geology, Univ. of Moscow: New Targets for Petroleum Exploration in Folded Belts: Examples from the Urals and Caucasus in Russia.


In July, 1992, Tako Koning resigned his position as Secretary due to a transfer to Nigeria with Texaco. Howie Zorian, Mobil, now holds the position of Secretary. Many thanks for all your contributions, Tako; and welcome aboard, Howie.

GEOCHEMISTRY DIVISION (Jim Allan, Chairperson)

The Division's activities focus around informal noon-hour talks that provide a forum for discussion among members of the geological community. Presentations given this year were as follows:


Feb. 10: Martin Fowler, ISPG: Characterization of Bitumen from the Pine Point Lead/Zinc deposits and their Relationship to Oils of N. Alberta.

Mar. 24: Ian Hutcheon, University of Calgary: Reduction of Sulphate, Production of sulphide: time, Temperature and Relationships to Organic Oxidation.

Any person who is interested in giving a presentation to the group should contact Jim Allan at 236-244. Geochemical topics in energy exploration and production and the impact of resource development and energy consumption on the environment are welcome.

PETROLOGY DIVISION (Jon S. Dudley, Chairperson)

The Petrology Division promotes the informal exchange of ideas and information pertaining to diverse topics related to petrology. Since 1982 evening talks have
been held during the winter at company research centres (Petro-Canada & Shell) and have addressed such topics as artificial and natural diagenesis and their effect on reservoir quality and reservoir engineering. Interdivisional talks have been encouraged in order to accommodate the overlap in interests between divisions.

There has been a hiatus in this division's activities during 1991 and 1992. Generally changing job circumstances have preoccupied much of the active membership. In addition, dwindling attendance at the evening sessions indicated that the operation of the division needed to be reviewed. The intent is to move winter talks from evenings to noon hour at a downtown location and perhaps consider some thematic sessions, but the details to date remain indefinite.

RESERVOIR-DEVELOPMENT GEOLOGY DIVISION (Darren Steffes, Chairperson; Bob Gunn, Secretary; Ron Babiy, Program Co-ordinator)

The Reservoir-Development Geology Division was formed in August, 1987 with the intention of providing a forum for discussions on all facets of this subject. Two talks were presented between December 1, 1991 and November 30, 1992 as follows:

Jan. 30 Doug Bennion and Brian Bennion, HyCal Energy Research Laboratories Ltd.: Mechanism of Formation Damage in Horizontal Wells.

Sep. 9 Godfried Wasser, Eucalyptus Consulting Inc. and Tony Cadrin, PanCanadian Petroleum Ltd.: Reservoir Geology of the Basal Quartz: Wayne-Rosedale Area, Central Alberta.

The division executive has noted a decreasing trend in the number of talks presented over the last few years. In the past, we have relied on personal contacts and unsolicited approaches for speakers. However, the executive has decided to actively promote the division as an informal forum for the presentation of ideas relating to Geology, Geophysics, and Engineering. We hope to attract an increasing number of speakers to the division in 1993, and look forward to providing interesting presentations to our loyal attendees.

COAL AND COALBED METHANE DIVISION
(Lawrence Smith, Chairperson; Keith McCandlish, Treasurer; Mike Dawson, Director)

The Coal and Coalbed Methane Division was involved with several events during the 1992 calendar year. In January, the division sponsored a member appreciation party. This event was well attended and allowed an opportunity for longtime members and new members to get together. In April, we co-sponsored, with the Environmental Geology division, a noon talk by Jim Henderson, Geo-Phys-Con Co. Ltd., entitled Application of Geophysics in Environmental Investigations: A Case History Approach.

In May, 1992 the division appointed a new Chairperson, Lawrence Smith. Meg Bures the past chairperson, had been involved with the Coal and Coalbed Methane Division for many years and has been the Chairperson for over two years. The new executive would like to thank Meg for all her contributions and leadership and looks forward to her continued support. In September, 1992 the division had to cancel its planned fall field trip, "A Historical Coal Tour of the Crowsnest Pass," because of poor attendance.

The division's plans for 1993 are to continue to sponsor and co-sponsor technical lunch hour talks. We are also still planning a spring or fall field trip this year.

I would like to thank those in the coal industry who continue to support our division and in particular those who have helped in the organization of our 1992 events.

HYDROGEOLOGY GROUP (Kaush Rakhit, Chairperson)

No annual report received.

PALEONTOLOGY DIVISION (Charles Henderson, Chairperson)

No annual report received.
LIAISON COMMITTEES

CSPG/CSEG/APEGGA LIAISON COMMITTEE
(R.A. (Roy) Stuart, Chairperson; W.R. (Bill) May; I.A.R. (Ian) Halladay)

Three members from each of the CSPG, CSEG, and APEGGA comprise this committee, the mandate of which is to ensure that the professional concerns of geologists and geophysicists are recognized when the provisions of the Engineering and Related Professions Act are applied.

A number of meetings were held during 1992, including one attended by presidents of the CSPG, CSEG and APEGGA, to deal with geologist/geophysicist dissatisfaction with APEGGA. As a result of these meetings the three organizations have agreed upon actions to take to improve mutual understanding. As well, a number of root causes of geologist/geophysicist dissatisfaction have been identified, and a subcommittee has been established to develop recommendations for APEGGA Council on steps that can be taken to alleviate them.

Chairmanship of the committee has rotated to CSEG (John Peirce) for 1993.

NATIONAL LIAISON COMMITTEE (Mario Coniglio, Waterloo, Chairperson; Paul A. Batson, Halifax; Pier L. Binda, Regina; Nancy Chow, Winnipeg; W.R. (Ted) Danner, Vancouver; John D. Harper, St. John's; Hugh Hendry, Saskatoon; Eric Mountjoy, Montreal; Jim Noble, Fredericton; Geoffrey Norris, Toronto; S. George Pemberton, Edmonton; Martine Savard, Sainte-Foy; Ray Yole, Ottawa; Alice V. Payne, CSPG President; Peter Putnam, CSPG Vice-President; Rory C. Hankel, CSPG Senior Managing Editor)

Since the last annual report, the committee met in Wolfville at the joint annual meeting of the GAC/MAC on 25 May 1992. The NLC continues to maintain an active liaison role, focusing primarily on Universities across the country, but also liaising with a variety of other geological institutions such as the Geological Survey of Canada, various provincial surveys, and the Ontario Petroleum Institute. No NLC regional activity reports were published during 1992 in the Reservoir.

There were two committee membership changes in 1992. Derek Armstrong was replaced by Geoffrey Norris, University of Toronto, who is now liaison member for the Toronto area. Martine Savard succeeded Michel Malo as the Quebec City area representative.

Most of the discussion during our meeting in Wolfville concerned the evolving role of the NLC, particularly in light of the continued poor health of the exploration industry. These discussions will continue at our 1993 meeting during the CSPG Conference in Calgary. For the second year in a row, there was no December NLC meeting in Calgary.

The CSPG's Student Industry Field Trip and the various visiting lecturers continue to be well received, however. In addition, students responded enthusiastically to sedimentology poster and core displays.

The NLC extends its appreciation to the CSPG Executive, various members of other CSPG committees, and the geoscience community in general who actively assisted in our liaison role in 1992.

CANADIAN GEOSCIENCE COUNCIL (CSPG Representatives, Ed Klovan, Jim MacDonald)

The council has 5 major roles:
1) to advise the general public on matters of significance to Canada and to the world that involve geoscience and geoscientists;
2) to provide expert advice to governments at the federal and provincial levels;
3) to promote scientific awareness and education in Canada;
4) to organize Canadian participation in non-governmental global co-operative programs in the earth sciences;
5) to provide an accountability and reporting centre for major co-operative geoscience projects in Canada and for
Canadian contributions to similar international projects.

Of great interest to CSGP members is the endorsement by the council of the Canadian Potential Gas Committee. The Potential Gas Committee will enlist the support of government agencies, academia, and industry to produce timely reports on the status of Canada's gas resources. Clay Riddle and Brian Norford will act as liaison members during the formative phase.

The EdGEO program has four committees: Curriculum, Workshop, Communications and Finance. The Curriculum Committee has produced a Workshop Manual. The Communications Committee produces a "Teachers Day" session at the AAPG Convention. Under the leadership of Mr. Bob Gregg, the EdGEO program has been very active and is in good shape financially. The CSGP is an active supporter of EdGEO.

The Geoscience Council met in Québec City in September. The CGC president, Jacques Locat, organized a tour of The Centre Géoscientifique de Québec. The following presentations were much appreciated: Géologie des Appalaches, Géologie due Grenville, Métallogénie des Appalaches, Géologie du Quaternaire, Géosciences de l'environnement. The hospitality was very much appreciated!

Ed Klovans has completed his two-year term as representative to the CGC. In 1993 the CSGP will be represented by A. Payne and Jim MacDonald, both past presidents.


The House of Delegates is the governing body of the American Association of Petroleum Geologists (AAPG) that acts on all legislative affairs within the scope of the constitution and bylaws of the Association.

Each affiliated society of the AAPG, including the CSGP, is entitled to one delegate for every seventy active members of the AAPG within the region represented by the society. The CSGP represents all active AAPG members in Alberta and British Columbia delegates are elected annually by current members of the House and serve a three-year term. In 1992, the CSGP was entitled to sixteen delegates. In addition to the elected delegates, our group currently has one alternate assigned.

During 1992, the group met approximately every six weeks. The results of the international delegate survey conducted by our group in 1991 indicated that the major issue that we should focus on in 1992 was the non-representation of internationally active AAPG members within the House of Delegates in countries with no affiliated societies. The group submitted a proposal to the Chairman of the House of Delegates in January, 1992 which outlined a method to allow for international delegates to be appointed on an at-large, regional basis to represent active AAPG members who were not members of local, affiliated societies of the AAPG.

In June, 1992 the House of Delegates met in Calgary at the AAPG Annual Meeting and, in a straw vote, unanimously voted to explore the concept of allowing for international at-large delegate representation. An appropriate bylaws change will be voted on at the 1993 annual meeting in New Orleans. Also in June, John Hogg, chairman of the CSGP Delegates stepped down after a two-year term and was replaced by Marty Hewitt.

In 1993, delegates representing active AAPG members in Alberta and British Columbia will be elected for the first time in a vote among active AAPG members in these provinces. In addition, the CSGP delegates will follow up on the issue of non-affiliated member representation in the House of Delegates through to the resolution of this issue at the New Orleans meeting.

Following the New Orleans meeting, the CSGP Delegates plan to explore the notion of a general membership category in order to capture a broader representation of members.
both to increase earth science awareness and to increase membership in the Association.

APEGGA STUDENT AFFAIRS LIAISON COMMITTEE (Steve Schroeder, 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 CSPG, CSEG, CSCHE, CWLS, CIG and EIC.

Three Liaison Committee meetings under the sponsorship of APEGGA were held at the University of Calgary. These consisted of the participating technical societies, APEGGA staff, Faculty representatives and students representatives from the Engineering Student Society, Engineering Club, Rundle Geology Group and the Geophysics Student Society.

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

The technical societies outlined their activities (such as conventions, conferences, scholarships and technical luncheons) 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. Some of the student societies are using these industry contacts to obtain speakers for their functions.

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

The committee wishes to acknowledge the generous support of the following companies for this sponsorship: Amoco Canada Petroleum Company Limited, Canadian Hunter Exploration Ltd., Canadian Occidental Petroleum Ltd., Can Tex Producing Company Ltd., Geotechnical Resources Ltd., Mobil Oil Canada, Petro-Canada Inc., Shell Canada Ltd., Texaco Canada Inc., Total Petroleum Canada Ltd., Unocal Canada Ltd. and Westmin Resources Ltd.

All Canadian universities offering a geology program have been made aware of this luncheon and technical talk offer. The students of the University of Calgary are the main beneficiary. Tickets may be obtained from the Liaison Committee Chairman, and all students are urged to take advantage of this opportunity.

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE (R.W. Yole, CSPG commissioner)

The 47th annual meeting of the NACSN was held October 28, 1992 in Cincinnati, Ohio, during the Annual Meeting of the Geological Society of America, with Lucy E. Edwards, USGS, Reston, VA., in the chair. Some highlights of the proceedings are outlined below. A full report will appear later in the AAPG Bulletin.

After routine matters were dealt with in reports from the chair and vice-chairman Donald E. Owen (Lamar University, Beaumont TX), a report on activities of the ISCC was given by Amos Salvador (U. of Texas, Austin). The International Subcommission on Stratigraphic Classification (formerly ISSST), a recently revived part of the International Commission on Stratigraphy of IUGS, has been responsible for revision of the 1976 International Stratigraphic Guide*. A draft guide, with a glossary of stratigraphic terms has been prepared and will appear in IUGS Circular 85.

A brief report of the NACSN Allostratigraphic Committee was presented by Commissioners Owen and D.E. Hattin (Indiana University). Discussion followed which outlined the background of allostratigraphic units, and the pros and cons of formalizing sequence stratigraphy in the North American
Stratigraphic Code**. A resolution brought forward by the committee was modified and approved for publication in North American and international geological journals. It will solicit opinion from the profession on whether or not to amend the 1983 North American Code so as to provide for formalization of sequence stratigraphic units.

In other business, related to allostratigraphic units, an amendment to the code proposed by C.W. Poag, USGS, L.W. Ward, Virginia Museum of Natural History and H. Markewitch, USGS, was considered by Commissioners and approved for publication. The amendment addressed the problem raised in Article 58(e) of the code, as it is applied to newly-erected allostratigraphic units which are laterally contiguous with previously defined formal lithostratigraphic units (as in the Atlantic Coastal region of U.S.). It is intended to remove the necessity for arbitrary cutoffs, implied in Article 58(e), between the two kinds of units. After discussion by the profession and possible modification of the published proposed amendment, it will be considered for ratification at a future meeting of NACSN.

The Hydrostratigraphic Units Committee of the Hydrology Division, GSA represented by Paul R. Seaber, Desert Research Inst., Las Vegas, introduced a draft revision of a 1985 proposed addition*** of hydrostratigraphic units to the Stratigraphic Code. As parts of the new proposal are still undergoing revision, it was agreed to submit the document to the NACSN ad hoc committee on hydrostratigraphic units for review before reconsideration by the Commission as a whole. Commissioners Seaber, Fakundiny, Susan A. Longacre, Texaco, Houston, R.R. Jordan, Delaware Geological Survey, and a USGS representative will form the review committee.

Commissioner R.H. Fakundiny (N.Y.G.S.) brought to the Commission's attention the recent passing of the Geological Mapping Bill in the U.S. Congress. The new National Mapping Program will involve state geological surveys as well as USGS in a $50 million project to produce maps on 1:24,000 scale. The chair of NACSN is to communicate with Congressional Implementation and Appropriations committees with respect to possible roles for the NACSN in this new venture.

The NACSN Nominating Committee announced nominees for the positions of Chairman and Vice-Chairman for the 48th Annual Meeting, to be held in Boston October 25-28 1993. Don Owen (Chairman) and Don Cook (Vice-chairman) were elected by acclamation.


ADVISORY COMMITTEE FOR THE NATIONAL CONFERENCE ON EARTH SCIENCE (Leslie Eliuk, Chairperson; Ron Kinney, U of A liaison; Pat Larham, U of A organizer; Peter Aukes, Chairperson 1993; Andre Chow, Federico Krause, Bill May, Michael Morrison, Gerry Reinson, Dave Smith, Gary Smith, Fred Trollope)

This annual conference is jointly sponsored by the CSPG and the Faculty of Extension of the University of Alberta. The University of Alberta (Pat Larham) handles all advertising, registration, correspondence and logistics, and is responsible for the overall fiscal management of the conference. The Advisory Committee, which consists of CSPG members, selects the conference topic, identifies speakers and with the University of Alberta develops the overall program agenda. A legacy of the departing chairmanship of Peter Gretener is that the person whose topic is selected for the conference becomes the chairperson for the year.

As usual, the 1992 conference was held at the Banff Centre, with their excellent facilities. The residential atmosphere has proven most conducive to informal discussion and dialogue outside of the formal agenda activities. The many elk re-ender the natural instincts of
awareness and survival that may have become dormant in the city.

The theme of the 1992 (Sept. 13 to 18) conference was Dolomite - from process and models to porosity and reservoirs. Last year an international conference the Italian Dolomites, celebrated the 200th anniversary of the discovery of dolomite by Count Deodat de'Golome. This year in the Rockies, some of those 1991 speakers joined with others from Calgary and elsewhere in North America to continue to discuss that controversial rock/mineral. The topic was approached systematically, from the basics to numerous models and, finally, to examples drawn from western Canada and North America. True to its history, the topic did not disappoint the 65 registrants and 14 speakers by being uncontroversial. The debate was lively, varied, pleasantly unacrimonious and, perhaps as expected, unresolved. Although there was no clear losing position, all were winners as they came away with a better understanding of dolomite and perhaps a variety of ways to apply that understanding to the problems of dolomite in the Western Canada Sedimentary Basin. Certainly the dolomite problem has not gone away, but some of the supposedly incompatible explanations/models are not as far apart as, at least, this chairman had thought.

Ian McIreath assisted the committee by ably moderating the daily lectures and discussion periods, the panel on porosity/reservoirs and the final wrap-up. The invited speakers were very much appreciated and included Jay Gregg, Lynton Land, Hans Machel, Judith McKenzie, Dave Morrow, Eno Mountjoy, Jeff Packard, Ron Spencer, and Bob Workum. Excellent talks were given by Mike Dempsey and Dave Eby, Jon Kaufman, and Jim Reimer and Mark Teare. We heartily thank them and their employers.

The 1993 conference is to be chaired by Peter Aukes and will examine some of our exploration paradigms and consider alternative and/or new methods to apply in the exploration and exploitation of hydrocarbons.

Jan Boon will be rejoining the Committee. Jan was the initiating force behind the 1992 conference on clastic diagenesis but a change in jobs caused him to resign after his brief but effective time on the committee. Leslie Eliuk will leave after a long, enjoyable time on the committee.

PUBLIC AFFAIRS COMMITTEE (Alison Hepburn, Chairperson; Tim Bird, Meg Bures, John Cox, Mike Dawson, Ken Drabinsky, David Halwas, Bill Haskett, Kathy Lapointe, Mel Lomenda, Graham MacFarlane, Paul Price, Blythe Slater, Stan Williams)

The mandate of the Public Affairs Committee is to provide technical assistance to the public and to promote the pursuit of scientific awareness. Providing speakers and materials to schools and special interest groups and acting as a liaison with associations whose main functions involve educating the public on aspects of the petroleum industry are the primary roles of the committee. Key aspects of the fulfillment of these roles in 1992 included an involvement with the Calgary Science Hotline, membership in the Petroleum Communication Foundation (P.C.F.), membership in the Petroleum Communication Foundation (P.C.F.), membership in the Youth Science Foundation (Y.S.F.), and the continuing support of the Canada-Wide Science Fair (C.W.S.F.).

The Canada-Wide Science Fair was held in May in Sudbury. A CSPG member living near or in Sudbury was unavailable to serve as a judge, so the two awards from the committee were awarded by the judges of the science fair. The CSPG sponsors two awards of $250.00 each in the Physical Sciences Division for displays that represent a petroleum or energy related theme. The winner of the senior division was Erik Lundell of Summerland, B.C., for his project entitled Variable Exhaust to Tune Back Pressure. The other winner was Thias Burstad of Sidney, B.C., for his project entitled Flexible Blade Wind Generator. The committee is currently evaluating the possibility of funding awards for science fairs on a more local level.
The Petroleum Communication Foundation (P.C.F.) has completed two science case studies for high school students. The first one is entitled *Environmental Chemistry* and it deals with the environmental costs of natural gas when it has been processed from sour gas. It also deals with the industry's technology to minimize the risks involved with sour gas. The second case study is entitled *Industry and Society* and it deals with a northern community facing petroleum industry development. Work is continuing on a background publication discussing industry benefits to Alberta as well as on a project involving the compilation of an inventory of background information and current statistics on the petroleum industry's contribution to the Alberta economy. A new video has been added to their library entitled *The Kuwaiti Oil Fires: Hell on Earth*.

The Science Hotline began operation in August, 1991. It was established to provide a link between teachers and practising scientists in Calgary and the surrounding area. To date, there are approximately 250 volunteers registered with the hotline; 38 of them are CSPG members. During the 91/92 school year, the hotline handled over 300 requests, 149 of which were for classroom visits for 304 classes. In all, 7,486 students were visited by 156 scientists plus 21 career talks for 32 classes (642 students) were given. Volunteers with the hotline also served as judges for the local science fair. The Public Affairs Committee would like to thank all the CSPG members who took the time to fill out the volunteer forms submitted in the October 1991 Reservoir and who are registered with the Science Hotline. Although not all of you have had a chance to visit a school, 1993 looks as if it will be a busy year for the hotline and the volunteers!

The hotline and the Public Affairs Committee certainly appreciate the efforts of those members who have volunteered for this worthwhile service.

A total of 28 written requests for information regarding careers in geology were received between September, 1991 and June, 1992. The requests came from grade school children, universities and all ranges of interested people inbetween. Eleven of the requests came from Ontario, 6 from the Maritimes, 5 from Alberta, 3 from B.C., 2 from Manitoba and 1 from Saskatchewan. Each person requesting information was sent a copy of the booklet *Explore Careers in Geoscience* that is published by the Canadian Geoscience Council.

Bill Haskett resigned from the committee in September due to his transfer to Houston.

The Chairperson thanks all of those on the committee for volunteering their time and ideas - your help has been much appreciated. This committee is currently looking for a new chairperson as Alison Hepburn has decided to step down as chairperson due to her maternity leave. Alison will stay on as acting chairperson until a replacement steps forward or until January, 1993 when the role of this committee will be re-evaluated.

WORLD PETROLEUM CONGRESS LIAISON COMMITTEE (Mike Hriskevich - Chairperson)

The main activity of the World Petroleum Congress – Canadian Association – was to prepare a bid document to host the world Petroleum Congress in Calgary in June 1997. A special general meeting was held April 16, 1992 to lay the groundwork for preparation of the bid document. The annual meeting of the Canadian Association took place June 23, 1992 and the following business was transacted:

1) Details of the 14th Congress to be held in Stavanger in late May, 1994 were presented. The registration fee will be $700 (U.S.) for participants and $150 (U.S.) for accompanying members.

2) Canada's bid for the 15th Congress was approved in principle. Cost of preparing the document and video presentation is estimated at less than $75,000. Venezuela and China are competing with Canada for the 15th Congress. Presentation of bids took place in Caracas, Venezuela at a special meeting of the World Petroleum Congress executive held in October, 1992.
The successful bidder will be announced in May, 1993.

3) The treasurer's and auditor's reports were presented and approved. In view of the expenditures associated with the bid for the 15th Congress, the decision was made to increase annual dues of sponsoring members to $1000 per year from $500; dues of associate members remain at $50 per year. The Canadian Association's financial position remains solid with an estimated surplus at the end of 1993 of about $48,000.

The CSPG's representative assisted in preparing the part of the bid document that dealt with technical exhibits and would like to thank the organizing committee of the AAPG national convention which was held in Calgary in June, 1992, for their co-operation in providing valuable information to the Canadian Association of World Petroleum Congresses.

The executive of the CSPG has offered its support to the Canadian Association in holding the 15th Congress in Canada. The Congress could be used effectively to showcase Canada's remaining potential for oil and gas.

CSPG/GAC LIAISON (Ian McIlreath, Chairperson)

The mandate of this committee of one is to further relations between the Canadian Society of Petroleum Geologists and the Geological Association of Canada (GAC) and to take full advantage of their associated society status. As in past years, the CSPG had a publications sales booth at the 1992 GAC-MAC Annual Meeting held in May in Wolfville, Nova Scotia. However, for the first time the GAC took advantage of the reciprocal agreement to sell selected titles at the 1992 CSPG/AAPG/SEPM Convention in Calgary. The success of this venture has led to a sales agreement whereby GAC publications will be sold through the CSPG office beginning officially in January, 1993. President Alice Payne attended the outgoing GAC Council Meeting in Wolfville and gave an excellent overview of CSPG activities in the previous year as well as future plans. She also led a dialogue on possible opportunities for further co-operation. One possible venture is some sort of national level awards ceremony for all geo-related societies; other possibilities will be pursued in the coming year.

ALBERTA GEOLOGICAL SURVEY LIAISON COMMITTEE (Alice Payne, Chairperson)

The mandate of this committee is to make recommendations to the Alberta Geological Survey (AGS) with respect to their business plans and financial budget for the forthcoming year. Dr. Jan Boon is now head of the Survey, replacing Dr. Rand Harrison.

The AGS's major connection with the CSPG at this time is their contribution to compilation of the Atlas; AGS personnel, with financial support from Alberta Energy, are responsible for the production of maps and graphics for the Atlas. This project will be finished in 1993, when the Atlas is published jointly by the CSPG and the AGS.

Other recommendations in past years have resulted in discussions with senior petroleum industry personnel to evaluate the potential of reservoir analyses, characterization and regional mapping of oil and gas reservoirs to assess needs and interest levels. Recent advice recommends that the AGS maintain (at all costs) basic geological mapping, computing, data storage and retrieval and hydrogeology. Cost recovery overall should be modest - from 10% to 15% - otherwise AGS will be driven by short-term goals (i.e., government subsidized consulting) rather than long-term needs. Regarding the petroleum industry, the CSPG felt that the AGS should stick to niche areas, and not attempt to fill roles that can be handled by the oil and gas consulting industry in Calgary.

In my opinion, the work of the AGS is not well known in Calgary, and there is difficulty maintaining a useful liaison when executive turnover does not allow continuity, and meetings are normally held only once a year.

BUSINESS COMMITTEES
ADVERTISING COMMITTEE (Peter Harrington, Chairperson; Sing Lai, Jim Letourneau, Dean Potter, Safaa Seif El-Dein, Dave Work)

Revenue from advertising for 1992 was down nearly 14% from 1991 (after adjustments). A significant increase in revenues was recorded for the calendar, while all other sources decreased. A Membership Directory was not published in 1992.

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<td>$26,227</td>
<td>(36%)</td>
</tr>
<tr>
<td>Inserts</td>
<td>38,888</td>
<td>41,862</td>
<td>38,648</td>
<td>31,542</td>
<td>34,120</td>
<td>(12%)</td>
</tr>
<tr>
<td>Total</td>
<td>49,063</td>
<td>60,896</td>
<td>47,170</td>
<td>54,120</td>
<td>56,645</td>
<td>(20%)</td>
</tr>
<tr>
<td>Bulletin</td>
<td>2,327</td>
<td>2,685</td>
<td>3,491</td>
<td>5,014</td>
<td>6,799</td>
<td>(19%)</td>
</tr>
<tr>
<td>Lunch</td>
<td>5,939</td>
<td>8,563</td>
<td>4,595</td>
<td>4,625</td>
<td>3,750</td>
<td>(10%)</td>
</tr>
<tr>
<td>Calen.</td>
<td>8,260</td>
<td>5,570</td>
<td>4,000</td>
<td>5,000</td>
<td>3,000</td>
<td>(49%)</td>
</tr>
<tr>
<td>Mem.Dir.</td>
<td>6,966</td>
<td>6,966</td>
<td>6,966</td>
<td>6,966</td>
<td>6,966</td>
<td>(0%)</td>
</tr>
<tr>
<td>Total</td>
<td>64,616</td>
<td>83,000</td>
<td>59,211</td>
<td>68,759</td>
<td>74,185</td>
<td>(21%)</td>
</tr>
<tr>
<td>Adjustment</td>
<td>(6,966)</td>
<td>(6,966)</td>
<td>(6,966)</td>
<td>(6,966)</td>
<td>(6,966)</td>
<td>(4,180)</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$57,650</td>
<td>$76,034</td>
<td>$52,245</td>
<td>$61,793</td>
<td>$67,005</td>
<td>(14%)</td>
</tr>
</tbody>
</table>

Advertising revenue numbers returned to pre-1991 levels and reflected the generally intensified downturn in industry activity in 1992. Hopefully new initiatives, combined with a recovery in drilling activity, will help advertising revenues increase in the future.

In 1993, the chairmanship of the advertising committee will change with Dave Work taking over as chairperson. Peter Harrington will be stepping down after 5 years as chairperson.

PUBLICATION SALES COMMITTEE (John Ostrom, Chairperson; Peter Guyan, Drue Robinson, Treasurer; Andrew Arthur, Paul English, Peter Harrington, Rhea Karvonen, Peter Saltman)

The Publication Sales Committee (PSC) is responsible for the promotion and sales of Society publications.

CSPG publication sales were approximately $73,000 in 1992. This total is slightly higher ($71,000) than last year's. Considering the continued depressed state of the industry, and that only three new publications were introduced (Horizontal Wellbores, Oil and Gas Pools supplement and the Dempster Highway Guide), the CSPG was fortunate to increase sales at all. AAPG sales at $40,000 increased 25% over last year's figure. The impact of having the AAPG convention in Calgary this year was certainly the dominant factor controlling this increase.

The PSC attended three convention meetings in 1992. Sales at the GAC meeting in Wolfeville and the AAPG-RMAG convention in Casper, Wyoming were slightly below expectations. The convention highlight of the year was the joint CSPG-AAPG convention in Calgary. Total publication sales were $46,000 including $10,000 in CSPG publications. All AAPG publication sales were under the umbrella of the CSPG-AAPG consignment agreement.

The PSC completed several projects in 1992. The biggest project was the production of the new CSPG publications catalogue. Every member of the committee put time and effort into the catalogue, and we are proud of the results. Concurrently, the PSC arranged a Mastercard account for the CSPG. The new ability of the CSPG office to accept Visa and Mastercard payments, along with the fax ordering capability is certain to increase sales in the coming years. Another project which came to fruition in 1992 was the addition of several GAC publications to the CSPG inventory. The increased impact on committee and office workloads must be carefully managed when bringing in new titles from outside sources. We have, therefore, deferred bringing in SEPM or Geological Society of London publications until these impacts have been assessed.

During 1993, it is expected that the Geological Atlas of the Western Canada Sedimentary Basin will become available. This publication will have a huge impact on sales. The possibility of exceeding 1989's record sales of $240,000 cannot be dismissed. We also expect the CSPG Stratigraphic Relationships charts will be out early in 1993.

The PSC has a number of ongoing projects, which will lead to an exciting 1993: a book selling agreement with the ISP; an
update for the CSPG catalogue; and a world-
wide geological library advertising blitz.

The PSC will experience a transition of committee members at the end of 1992. John Ostrom stepped down as chairperson and has left the PSC in the capable hands of Peter Harrington. Peter has been with PSC for 6 years and will have no trouble leading the PSC into an even more successful future. In addition, Peter Guyan has passed on the treasurer’s reins to Drue Robinson. Peter has spent the past 4 years monitoring the financial aspects of the PSC’s operation and has left the committee to pursue other interests.

The PSC would like to thank all the volunteers who gave their time and skills, and individual corporations, particularly Shell Canada, Amoco Canada, Talisman, Chevron Canada, Unocal Canada and Stokes-Campbell for supporting the efforts of their respective volunteers.

MEMBERSHIP COMMITTEE (Sandy Laing, Chairperson)

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

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Active</td>
<td>3198</td>
<td>3255</td>
<td>3147</td>
<td>2856</td>
<td>2819</td>
</tr>
<tr>
<td>Associate</td>
<td>167</td>
<td>192</td>
<td>176</td>
<td>187</td>
<td>189</td>
</tr>
<tr>
<td>Student</td>
<td>258</td>
<td>231</td>
<td>203</td>
<td>166</td>
<td>145</td>
</tr>
<tr>
<td>Emeritus</td>
<td>68</td>
<td>84</td>
<td>102</td>
<td>109</td>
<td>121</td>
</tr>
<tr>
<td>Corporate</td>
<td>70</td>
<td>65</td>
<td>66</td>
<td>62</td>
<td>49</td>
</tr>
<tr>
<td>Honorary</td>
<td>39</td>
<td>40</td>
<td>39</td>
<td>41</td>
<td>45</td>
</tr>
<tr>
<td>Total</td>
<td>3800</td>
<td>3867</td>
<td>3733</td>
<td>3531</td>
<td>3368</td>
</tr>
<tr>
<td>Subscribers</td>
<td>470</td>
<td>416</td>
<td>421</td>
<td>410</td>
<td>392</td>
</tr>
</tbody>
</table>

This year, each dues paying category of membership decreased. Total membership in 1992 decreased 5% from the previous year. Active and student members lost 5% and 13% respectively while associate members lost 4%. Our total membership count is down 17% from the 1985 historic high of 4077 members.

GEOLOGICAL PLACEMENT SERVICE COMMITTEE (Bev Pfeffer, Chairperson)

The CSPG maintains an updated file of resumés of geologists seeking employment, for access by interested employers. 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 very competitive rates and continue to be well received by the membership.

COMPUTER FACILITIES COMMITTEE (David W. Flint, Chairperson; Thomas Lau, Glenn Karlen)

Our major progress this year was upgrading the CSPG’s office computers and staff training on new software.

After reviewing numerous options, we purchased two IBM-compatible PCs capable of running common office automation software in the Windows environment. These personal computers are linked to each other and to the third office computer by a local area network (LAN). The LAN allows data, applications and printers to be shared between workstations. A laser printer was acquired to provide letter-quality correspondence and graphics printing for the Society.

Deanna and Sheila received training in the Windows environment and the new word processing software. Although the membership application, accounting software and other applications remain unchanged from last year, they are operating more quickly and effectively on the new machines.

The committee is planning for routine maintenance and required enhancements to current systems in 1993.

Thanks to Tom and Glenn for helping trouble shoot the new equipment.

GOVERNMENT GRANTS COMMITTEE (John R. Hogg, Chairperson)

The main goal of the Government Grants Committee is to provide a mechanism for other committees to apply for provincial and federal grants that are available to nonprofit societies and scientific organizations.
All committees wishing to use the Government Grants Committee to apply for grants should approach the committee 12 to 18 months before completion of their projects. This will allow sufficient lead time for the various government agencies to process grant applications before completion of the projects.

PHOTOGRAPHIC COMMITTEE (Vic Panei, Chairperson)

In 1992, the committee provided photographic coverage for most of the Society's luncheon meetings and the Awards Dinner.

The only other member of the committee has recently resigned for personal reasons. Attempts are being made to find a replacement.

PUBLICATIONS

PUBLICATIONS COMMITTEE AND PUBLICATIONS REVIEW BOARD (R.C. Henkel, Chairperson; A. Embry, J. MacDonald, P. Putnam, J. Ostrom, 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 day-to-day co-ordination of publication matters. He reports directly to the executive and is an ex-officio member of the executive. 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.

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 Canadiana series.

During the year, two short publications were completed, another was initiated, and most significantly, against great odds, the Geological Atlas of the Western Canada Sedimentary Basin was brought to the final stage of compilation. Final publication date of the Atlas can now be estimated with some precision, as early summer 1993, just in time for the August CSPG Pangea Conference. This most ambitious CSPG publishing undertaking has successfully crossed many hurdles since its inception two years ago.

The two short publications came into print in mid-year 1992. The first, Horizontal Drilling Short Course Notes was completed in the late spring, while the Dempster Highway Geological Guidebook arrived in the early fall. Finally, a most unique and interesting series of five, detailed stratigraphic cross-sections across the Western Canada Sedimentary Basin, entitled Stratigraphic Correlation Charts of Alberta were initiated in 1992. Publication of these, including a reference guidebook and floppy disk as a package, will be early 1993.

OIL AND GAS POOLS SERIES (Michael Rose, Chairperson)

The first update of the Oil and Gas Pools was published in 1992 and released at the joint CSPG/AAPG convention. The update was composed of several new, topical pools and a set of divider tabs to effectively complete the first volume/binder.

Activities in 1993 will focus on generating a large number of new pool studies to move toward a second volume as soon as possible. The network of committee members and authors is being widened to facilitate this objective. Realistic timing and the target for volume 2 is publication in the first half 1994. Current committee members include Mike Weber, Suncor, and Peter Bolton, Mobil.

GEOLOGICAL CALENDAR (Kevin Polan, Chairperson; Clint Tippett, John Ostrom, Sales; Jim Letourneau, Peter Harrington, Advertising)

Sales of the 1992 calendar were sufficient to offset production costs once revenue from the thirteen advertisers was taken into account. The calendar celebrated the 150th anniversary of the GSC and featured GSC-related
photographs. Two-thousand calendars were published for sale at $5.00, plus GST, and, as in previous years, a complimentary copy was sent to each person whose material was accepted for publication. Twenty-five hundred copies of the 1993 calendar were published in time for the joint CSPG-AAPG convention. Copies are available from the CSPG office, at luncheons and through various individuals in industry and government.

GEOLOGICAL ATLAS OF THE WESTERN CANADA SEDIMENTARY BASIN (Grant Mososp, Chairperson)

During 1992, the project, initiated in 1986, to compile a new atlas of the subsurface geology of western Canada reached a hectic pace of activity in final synthesis and editing. At year's end, production work for the atlas was nearing completion, with dispatch to the printers scheduled for March, 1993, and publication some twelve weeks thereafter.

Most of the activity early in the year centred on the work of individual chapter teams, finalizing their illustrations and completing their manuscripts. By mid-year, the centre of activity had moved to the offices of the scientific reviewers, who provided criticisms and suggestions that led to undoubted improvements in virtually every aspect of the compilation. All the while, graphics technologists at the Alberta Research Council and at Alberta Energy were working overtime to digitally construct the 631 atlas illustrations - about 230 maps, 200 cross-sections, and 200 supplementary illustrations.

Delays in manuscript finalization and technical difficulties in digital graphics production, combined with financial constraints, led to a number of management changes in the project. The Atlas Management Committee, comprised of representatives of the four project sponsors - Canadian Society of Petroleum Geologists, Alberta Geological Survey, Alberta Energy and Geological Survey of Canada - devoted a tremendous amount of time and resources to shepherding the project toward completion. Similarly, the Atlas Editorial Committee worked overtime to address and resolve the numerous production difficulties that arose during the year. The 10 project staff in Edmonton also devoted extraordinary effort to completing the production tasks. Despite all of the best efforts of everyone concerned, however, the magnitude of the undertaking and the complexity of the digital graphics technology combined to produce overall delays.

Discouraging though the delays have been, it is gratifying to report that the quality and comprehensiveness of the final, printed volume has not been compromised. It is a tribute to all concerned that the ultimate goal of the project is now clearly in sight and will be achieved. For their hard work and forbearance, gratitude is extended to the authors and contributors, their employers, the reviewers, the compilation and production staff, as well as the data donors, publication underwriters and project sponsors.

The end is nigh.

ATLAS FINANCE COMMITTEE (Morley Brown, Alice Payne, Co-Chairpersons; Art Slingsby, Stephanie Erskine, Michael Breiteneder, Richard Chisholm, Wand Nyysola, Bruce May, Marc Charest, Debra Mooy, Sherrill Huggett, Leo Sorbetti, Tony Rendulich, Andy Hogg)

The compilation of the new Geological Atlas of the Western Canada Sedimentary Basin is a complex and costly endeavour. Grant Mossop has co-ordinated a systematic network of committee and reporting structures involving dozens of individuals, contributors, and geologists working in industry, government and academia, in addition to a large number of institutions, corporations, project sponsors, data donors, and financial patrons. The CSPG role will be to finance and co-ordinate the printing of the Atlas.

This committee's role is to act on behalf of the CSPG in soliciting the necessary funds to underwrite the final editing and printing costs. Initial contacts with fifteen major companies in 1987 resulted in over $90,000 committed. The committee's follow-up has resulted in more than 320 companies contributing to the project and over $500,000 now in the fund.
In order to encourage sizable contributions, the CSPG has agreed to award a complimentary atlas for each $1000 contribution (equal to Patron level donation). In addition, an installment plan has been implemented allowing companies to handle their desired commitment level over a three-year period. This has resulted in a very favourable response and has led to a substantial increase to the fund. Effective December 1, 1992, an additional $42,000 has been committed through the installment format. This will result in an ongoing task for the committee to ensure the funds are collected.

The sponsorship page recognizing all contributing companies is in its final editing phase. Contributions will be recognized in the atlas in the following manner: Major Benefactor, contributions >$10,000 (logo format); Benefactor, contributions >$5,000 (logo format); Patron, contributions >$1,000 (company name); Supporters, contributions <$1,000 (company name)

RESERVOIR (Lisa-Henri Kirkland, Chairperson & Editor; Blythe Slater, Editor; Peter Harrington, Advertising Chairperson)

This year, eleven issues were published and received by the membership on time. The whole process would have been even more efficient if ALL submissions had been consistently sent in by the deadline date each month.

Early in the year, a new volunteer, Blythe Slater, joined the Reservoir to share the editing responsibilities. Also at this time, theme issues were introduced in an attempt to solicit articles on specific topics of interest to the membership.

In mid-year the CSPG office became the collection point for all submissions to the Reservoir. This was done to facilitate transitions between the editors each month and centralize the collection point.

Recently, a new column was introduced entitled Keeping Track. It was hoped that it could provide a timely service to members by helping them "keep track" of friends and business associates in these changing times.

In addition, as a result of a merger, typesetting of the Reservoir was transferred to West End Creative in October. Printing was handled by Sundog and distribution was accomplished through Global.

In 1993, the Reservoir committee hopes to continue streamlining production of the Reservoir. The quality of the Reservoir itself, production costs, and the interval from submission to printing will remain as primary foci of the committee. Membership in the committee will be expanded so that succession of editors can be facilitated. It is hoped that more CSPG committees can be encouraged to submit reports on activities making the Reservoir a more effective communicator for the Society.


I have now been editing the Bulletin for nearly five years. The number of manuscripts submitted in 1992, as of the 1 of November, was approximately 31, so the total for 1992 will probably be similar to 1991. Totals were 36 for 1989 and 37 for 1990. In 1992, the Bulletin will have published about 300 pages of Papers, Notes, Book Reviews and Discussion/Reply articles, in regular Bulletin format with the annual report accounting for another 40 pages. A second special issue that appeared in September, 1992, edited by Jim Dixon and Tony Hamblin, commemorated the 150th anniversary of the GSC and the 25th Anniversary of ISPG. This volume is a tribute
to the quality and breadth of modern earth science at the ISPG. The cost of the additional pages will be partly absorbed by the GSC.

The Bulletin runs primarily on the enthusiasm of volunteers, which means that manuscripts may take longer to be reviewed than is acceptable, but authors may take heart. The Managing Editor, Linda S. Pierre, has moved to Saudi Arabia with her family and Kim Savard took over the job of tracking the time for reviews and a myriad of other tasks. After more than five years as Editor, I decided it was time to move on, and Dr. Ashton Embry of the ISPG graciously agreed to take over as Editor. Ash and his Managing Editor, Billie Chiang, have been handling new submissions to the Bulletin for six months, and will assume full editorship of the Bulletin as of January, 1993. I have enjoyed the last five years immensely and am happy to have left the Bulletin in Ashton's capable hands.

The scientific and technical quality of the Bulletin, our flagship as a Society, could not be sustained without the voluntary assistance of the Associate Editors and reviewers. The job of editor would not be possible without their help. The low cost of running the Bulletin is realized because most of the people who make the Bulletin function are unpaid volunteers, particularly the editors and reviewers. The few paid employees make contributions that outweigh the remuneration they receive and their efforts to produce a Bulletin that is of very high quality of presentation are much appreciated.

INDEX OF PUBLICATIONS (Bruce G. McIntyre, Chairperson; P.W. Hay, G.T. Stabb, W.L. Findlay)

The committee continues to index all papers in current CSPG Bulletins, Memoirs, Fieldtrip Guidebooks and special publications by selecting key words and reference terms under which those papers might be found. All 1992 Bulletin papers, sorted by subject, author, and NTS area were printed in the December, 1992 Bulletin. The committee has been meeting weekly and is almost up to date with its indexing. We hope to publish an update to the last Index to Publications 1977-1983 on paper, as well as a comprehensive index in a computer readable format by mid-1993.

The CSPG indexed material continues to be input to GEOSCANN, the Canada-wide index of geological data, and to GEODIAL, Alberta's index of geological data. Access to either GEOSCANN or GEODIAL may be obtained through the Gallagher Library at the University of Calgary.

MEMBERSHIP DIRECTORY (Peter W. Hay, Chairperson; Peter Harrington)

The last CSPG Membership Directory was published in June, 1991, and listed members alphabetically, by company affiliation and by geographic location. Despite the low cost ($5/copy plus GST) and numerous recent changes in company affiliation for CSPG members, demand for the Directory has been less than anticipated. Thus, plans to publish the Directory annually have been postponed, and the next Directory will likely not be printed until late spring 1993. The newly-introduced "Service Company Directory", listing computer services, geological and geophysical consultants, hydrodynamics, mapping and drafting services, etc., will likely be continued in the next Directory.

PALAEONTOGRAPHICA CANADIANA (Alexander D. McCracken, Chairperson; Alfred C. Lenz, Vice-Chairperson (succeeded by Brian R. Pratt during 1992); David H. McNeil, Secretary; Tim R. Marchant and Ross A. McLean, Business Managers; Peter H. von Bitter Palaeontographica Canadiana Editor, W. Robert A. Baragar (succeeded by Monica Easton during 1992) GAC Editor; Rory Hankel, CSPG Editor)

The CSPG and the Geological Association of Canada are the sponsoring societies of a palaeontological 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 Palaeontological Monographs (JCPM), responsible to the two societies. The name of
CSPG BLUE BOOK (Jim MacDonald, Chairperson)

The Blue Book is annually updated to maintain the records of society volunteers and their contributions to the society.

MANUAL OF OPERATIONS (Jim MacDonald, Chairperson)

All committee, division, and liaison chairpersons are requested each year to submit revisions and changes to the Executive Committee for approval. To date, only the Honorary Membership proposed changes have been approved.

LEXICON: B.C. AND S.W. YUKON (W.R. Danner, T. Moy; Editors)

Work on this Lexicon is still continuing slowly as much new information due for publication has not occurred as quickly as had been hoped. The publication of the DENAG volume for the Cordilleran Oregon has enabled some major revisions of the Lexicon to be undertaken but more volunteers are needed and a major search is underway to obtain more people to add and revise entries. Unfortunately, due to the great decrease in mineral exploration, many geologists have left Vancouver. Mike Orchard of the Geological Survey has furnished new conodont ages for several entries. New fossil data has become available for the Gulf Islands and Vancouver Island. It is our goal that all entries will be completed by late fall 1993.

LEXICON: St. Lawrence Lowlands - Appalachians (Y. Globensky and T.E. Bolton, Editors)

Lexicon is awaiting publication by Ministère de L'Énergie et des Ressources du Québec.

LEXICON: CENTRAL CANADA - H.B. LOWLANDS (T.E. Bolton, Editor)

Lexicon data has been accumulated for nearly 60% of the total terminology. Completion by the present committee is scheduled for December, 1993.

LEXICON: CENTRAL CANADIAN SHIELD (M.J. Frarey, Chairperson; R.M. Easton, B. Dressler, G. Bennet, Resident Geologist, Sault Ste. Marie District, OGS; K.D. Card, M. Hocq, Co-ordinator for Quebec; T. Clark, D. Lamotte, R. Morin, K. Sharma, Q.D.N.R.; W.A. Padgham, Resident Geologist, Yellowknife, NWT; J. Wilson, Research Officer, AGS; R. MacDonald, Assistant Director, SGS; A.N. LeChevill, Head, Northern Churchill Section, Continental Geoscience Division, GSC)

This committee was essentially inactive in 1992. Most members were fully occupied with
higher-priority projects. A limited number of *Lexicon* entries was prepared by the Chairman and these completed coverage for Southern Province. It is expected that 1993 will see increased activity, particularly with reference to Grenville Province.

M.Sc. & Ph.D. Theses Index-Canada Wide (Len Hills, Chairperson)

No annual report received.

SOCIAL EVENTS

Past President’s Dinner (Jim MacDonald, Chairperson)

The 18th annual Past President’s Dinner was held on October 21, 1992 at the Calgary Petroleum Club. The dinner was attended by 25 past presidents of the Society and most of the 1992 Executive Committee members. President A. Payne spoke about the past, present, and future concerns and status of the society. There was a lively discussion about professionalism, the deep and abiding problems of unemployment, and how individuals, companies, and the society might be of assistance.

Awards Dinner and Social (John Chipperfield, Chairperson; Elspeth Snow, Ben Robertson)

The Awards Dinner and Social was held at the Palliser Hotel on Friday, February 7, 1992. The Society’s awards were presented after a gourmet dinner. The evening was capped with a superb, illustrated account of the first man-powered traverse of Ellesmere Island by John Dunn.

Response was encouraging - 174 people attended and enjoyed themselves thoroughly. The net subsidy by the CSPG was kept to a minimum because of the gracious support of the following companies:

- AEC Oil and Gas Company
- CN Exploration Inc.
- Canadian Hunter Exploration Ltd.
- North Canadian Oils Limited

Paramount Resources Ltd.
- Renaissance Energy Ltd.
- Sproule Associates Limited

The printed tickets and program were provided courtesy of Chevron Canada Resources Ltd.

Logan Day Committee Report (Elspeth Snow, Chairperson; Gerald Sullivan, Rene Levesque, John Maher, Ward Neale)

Logan Day was held this year on Saturday, September 12th, once again at Sandy McNabb Group Campground “A”. The attendance was again lower than in some previous years, in part due to conflicting commitments of several regulars, though we did attract 33 adults and 14 children who enjoyed the usual horse shoe matches, and a soccer free-for-all that had to be stopped at a tie, or else they would have played until dark! Alice Payne, CSPG President, toasted G.M. Dawson and R.G. McConnell; and Grant Mossop, ISPG Director, made several short toasts to Sir William Logan, the GSC, ISPG, and geologists in general.

Once again, the ISPG Club Fed barbecue was used, and people cooked a variety of steaks, burgers, wiensers, salmon, etc. A wonderful variety of salads was provided by about 6 people, most of whom donated them to the cause!

The weather was fairly good, with sunshine for several hours. A convenient rain-break gave the soccer players a short rest. However, we did not manage to avoid the snow, which started about 8:30. At that time we were all snug inside the shelter around a roaring fire singing songs accompanied by Andy Okulitch and Gerald Sullivan on guitars. The commemorative Logan Day songbook, compiled mostly by John and Marti Maher, with some input from Ward Neale, was a big hit and each family attending Logan Day kept one as a memento. To thank him for the songbook, Grant Mossop presented John Maher with a copy of "Reading the Rocks" a history of the Geological Survey of Canada by Morris Zaslow. It sure helped to have the words of the songs, but now we need to remember to bring lanterns or flashlights!
In the absence of the Geldsetzers, Elspeth Snow once again made the glühwein that was popular with several diehards, and John and Marti Maher provided all the adults with Canadian Coffee (a wonderful concoction of Crown Royal, coffee, maple syrup and whipped cream) to keep us warm.

The general consensus from participants was that it was a pretty good Logan Day!

SQUASH TOURNAMENT (Ian Young, Chairperson; Loren Snyder, Matt Woofter, Bob Sullivan, Bob Lee, Cynthia Visser)

The Ninth Annual CSPG Squash Tournament was held at the Edgemont Club on February 28 and 29, 1992. This was the "biggest ever" squash tournament with 93 men and 21 women participating. Participants enjoyed renewing contacts and making new acquaintances, both on and off the court. The banquet drew over 150 wore-out athletes and their supporting casts, testing the limits of the Edgemont kitchen. The socializing went late into the evening as weary competitors relived their squash exploits.

This year's Men's "A" final featured the decisive rubber match between winners of the previous year's classic events. Dave Safton persevered over John Cox in an outstanding exhibition of squash and good sportsmanship. The Ladies' "A" final featured the triumphant comeback of Hilary Foulkes. Hilary has been the Ladies' champion in eight of the past nine years, only missing 1991 due to sudden illness.

RESULTS:  LADIES
A: Winner: Hilary Foulkes
   Runner-up: Linda Koednr
B: Winner: Loren Snyder
   Runner-up: Karen Morrisey
C: Winner: Lauren Raymore-Pohrman
   Runner-up: Bernadette Pederson
D: Winner: Andrea Bell
   Runner-up: Carol Bennett
MEN'S
A: Winner: Dave Safton
   Runner-up: John Cox
A: Consolation:
   Winner: Peter Komoroski
   Runner-up: Dave Lockhead

B: Winner: Larry Strong
   Runner-up: Doug Forbes
C: Winner: Guy Bennett
   Runner-up: Gord Covenay
D: Winner: James Muraro
   Runner-up: Joel Restoule
E: Winner: Doug McGlashen
   Runner-up: Bob Bonnar

Last, but not least, the Horses "A" award went to Norm "I want a masters division" Wegershoff.

The CSPG Squash Tournament enjoys success due to the tremendous support it receives from industry sponsorship. Even during these trying times, strong sponsorhsip has enabled the committee to organize a quality recreational and social event. Numerous door prizes were well received by participants. The committee gratefully acknowledges this support, in particular of:

Schlumberger Of Canada
Great Guns Logging
Digiule
Bpb Wireline Logging
Geomania
Decollement Consulting
Petro-Info Ltd.

The milestone 10th Annual CSPG Squash Tournament will be held at the Edgemont Club February 26 and 27, 1993. Entry forms will be available in the January, 1993 issue of the Reservoir.

After three years of overseeing the tournament, Ian Young will be stepping down. Loren Snyder, who has made valuable contributions over the previous two years, is also moving on. Both will be missed.

The 1993 Committee is as follows:
Matt Woofter, Chairperson; Bob Lee, Bob Sullivan, Cynthia Visser, Hilary Foulkes, Chris Jones.

OPEN GOLF TOURNAMENT (Bruce G. McIntyre, Chairperson; Julie Amott, Rick Bartlett, Catherine Chaplin, Jane Crandall, Penny Harley, John Ostrom, Dick Willott)

One hundred and twenty-eight golfers took part in the third annual CSPG Financial Management Open Golf Tournament held at
the Cottonwood Golf and Country Club, 3 September 1992. The tournament included breakfast, golf cart, lunch, dinner, and numerous individual and team prizes. The event was open to all CSPG members on a first come, first served basis. This year, the Ladies' Golf Tournament (chaired by Julie Amott) formally merged with the Open Tournament.

This single day event is intended to allow the participants to enjoy a round of golf with other CSPG members and tournament sponsors. The tournament is partially funded through the fee charged to the participants and is generously supported by a number of sponsors. The sponsorship fees include reduced-rate advertising in the Reservoir and as a result, the tournament is able to make a positive financial contribution to the Society. The committee would like to thank our lead sponsor, Financial Management, our major sponsors, OGCI, QC Data, Canex, Core Labs, Ogden Financial, Sundog Printing and Royalty Auto, as well as, our numerous "hole" sponsors.

The 1993 tournament will be held at Cottonwood the date yet to be determined.

MEN'S GOLF TOURNAMENT (Foon Der, Chairperson; Bob Johnston, Duncan McCowan, Ron Shirley, Gordon Salomons, Pat Ward, Fred Turner, Steve Delahay, Monte Ravlich, Graeme Dales, Dave Clements, Les Guzowski, Paul Wanklyn, George Hassler, Calvin Gabel, Mike Swain, Bill Moorey, Greg Loughlin, Arne Matiisen)

The 32nd Annual Men's Golf Tournament was held June 17-19, 1992 at Shaw-Nea Slopes Golf Club. Former contestants are given preference to maintain continuity and minimize "sandbagging" in keeping with the seriousness of the competition. Recent industry conditions have given new applicants an excellent chance of being accepted provided they are prepared to wait for last-minute cancellations. Unlike 1991, the weatherman co-operated and a good time was had by all during 3 days of golf and social events. The Championship final saw Jim Young overtake Ray Madison to repeat as the overall winner. Thanks to each member of the organizing committee, sponsors and participants for another successful tournament.

It is not possible to list every sponsor in this limited space. As an annual report this summary must be brief and selective. The committee has decided to acknowledge a short list of longtime major sponsors who have made significant contributions in the past as well as to the 1992 tournament. Atlas Wireline, Computalog and Schlumberger provided food and refreshments on the course to make playing conditions more pleasant. Digitech arranged for the group photographs again as they have done for many years, while Riley's Datashare International sponsored the barbecue once again. Other sponsors the organizers wish to mention are MJ Systems, AGAT Laboratories and International Petroleum. Apologies to all the other sponsors who have note been singled out but whose support is much appreciated.

The tournament wound up with a banquet at the 400 Club which was attended by more than 250 golfers and guests. The 1993 tournament will be back at Shaw-Nea June 16 - 18 with Bob Johnston as the chairman.

10K ROAD RACE (Robert Pryde, Greg Robb, Co-Chairperson)

The CSPG 10K Road race was held on July 19, 1992 at Fish Creek Provincial Park. Once again the race was a great success with participation up 30% to over 130 entrants. The 1993 event will be held at Fish Creek on July 18, 1993. Race co-chairpersons for 1993 will be Robert Pryde, Greg Robb and Vic Urban.

Results:

<table>
<thead>
<tr>
<th>Class</th>
<th>Name</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st overall male</td>
<td>Scott Robertson</td>
<td>33:27</td>
</tr>
<tr>
<td>1st overall female</td>
<td>Tammy Merkley</td>
<td>36:19</td>
</tr>
<tr>
<td>1st Geol. male</td>
<td>Steve Oldale</td>
<td>33:40</td>
</tr>
<tr>
<td>1st Geol. female</td>
<td>Denise Wootter</td>
<td>42:36</td>
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<tr>
<td>1st Geop. male</td>
<td>Dave Gibben</td>
<td>34:10</td>
</tr>
<tr>
<td>1st Geop. female</td>
<td>Colleen Stevens</td>
<td>39:50</td>
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<tr>
<td>29 &amp; Under</td>
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<td></td>
</tr>
<tr>
<td>1st male</td>
<td>Dave Gibben</td>
<td>34:10</td>
</tr>
<tr>
<td>1st female</td>
<td>Tammy Merkley</td>
<td>36:19</td>
</tr>
<tr>
<td>Category</td>
<td>Male Name</td>
<td>Female Name</td>
</tr>
<tr>
<td>---------------</td>
<td>------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>2nd male</td>
<td>Stephane Simard</td>
<td></td>
</tr>
<tr>
<td>2nd female</td>
<td>Joanne Houck</td>
<td></td>
</tr>
<tr>
<td>3rd male</td>
<td>Andy Williams</td>
<td></td>
</tr>
<tr>
<td>3rd female</td>
<td>Jennifer Toth</td>
<td></td>
</tr>
<tr>
<td>30 to 39</td>
<td>Scott Robertson</td>
<td></td>
</tr>
<tr>
<td>1st male</td>
<td>Colleen Stevens</td>
<td></td>
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<tr>
<td>2nd male</td>
<td>Steve Oldale</td>
<td></td>
</tr>
<tr>
<td>2nd female</td>
<td>Nora Coveney</td>
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<tr>
<td>3rd male</td>
<td>John Festival</td>
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<tr>
<td>3rd female</td>
<td>Sharon Hogg</td>
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<tr>
<td>40 &amp; over</td>
<td>Glen McWilliams</td>
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</tr>
<tr>
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<td>Noeline Kinlock</td>
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</tr>
<tr>
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<td>Robert Howard</td>
<td></td>
</tr>
<tr>
<td>2nd female</td>
<td>Betty Watson</td>
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</tr>
<tr>
<td>3rd male</td>
<td>Jim Bushell</td>
<td></td>
</tr>
<tr>
<td>3rd female</td>
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