ANNUAL REPORT
1981 - 1982

BLACK HILLS AREA CHAPTER

region ix
chapters regional conference

may 5-8, 1982

ASHRAE
BLACK HILLS AREA CHAPTER 1981--1982 CRC REPORT

A. The President's Report

B. Committee Chairmen Reports
   1. Education Committee
   2. Energy Management Committee
   3. Membership Committee
   4. Research-Promotion Committee

C. Appendix
   1. Incoming Chapter Officers and Committee Chairmen
   2. CRC Minimum Report Form
   3. Education PAOE Points
   4. Energy Management PAOE Points
   5. Membership PAOE Points
   6. Research-Promotion PAOE Points
   7. Meeting Notice
   8. Chapter Membership Roster
This has been a year of contrasts for the Black Hills Area Chapter of ASHRAE.

On the negative side:
1. Several of our active members have moved from the area. These included our upcoming secretary and program chairman. This has put an additional burden on me and I feel it has decreased my effectiveness.
2. Our HVAC community which is heavily dependent on residential and light commercial construction has been depressed. This has led to a reduced participation in chapter activities since it is difficult for our members to find time to participate when they are concentrating on keeping their heads above water.
3. Student participation has declined. Last year we had several very active student members who helped us to sign up many junior and senior students. But, after the students have received their fundamentals handbook there is no good incentive to sign up again the following year.

On the positive side:
1. We have had several excellent and interesting programs. Some of the programs have been given to joint meetings of ASHRAE and other community engineering groups. This has helped prop up the ranks of all the groups involved.
2. Our meeting attendance has been excellent especially in view of the problems we have had.
3. We have awarded student scholarships to two very fine mechanical engineering students at the South Dakota School of Mines and Technology.
4. We are on our way to finally getting a faculty advisor for student ASHRAE members. An HVAC professor at the School of Mines and Technology has been very helpful in the promotion of ASHRAE on campus and in the selection of scholarship recipients. We hope to get him signed up as a member of ASHRAE this coming year.
5. Our softball tournament continues to be successful. It still remains a viable means of increasing our chapter coffers.

Overall I am pleased with our chapter this year. We have held our own against some difficult problems, and I feel we are healthier than the other engineering groups in our community. Truthfully, though, I will be happy to see this fiscal year draw to a successful close.

Gunnar Dzintars
President of the Black Hills Area Chapter of ASHRAE
May 3, 1982

President Gunar Dzintars
Black Hills Area Chapter of ASHRAE
Rapid City, SD 57701

Dear Mr. Dzintars:

Enclosed is our local tabulation of Presidential Award of Excellence points for chapter educational activities. It is hoped that the information will help you verify our position at the Central Regional Conference.

I would like to take this opportunity to offer my thoughts on the method of tabulation of Presidential Award of Excellence (PAOE) educational points.

PAOE educational points are awarded in six general categories: Total student members, faculty liaison member, college student incentive programs, chapter sponsored seminars, secondary schools, and continuing education. My comments on each category are as follows.

1. Total student members: The point total for student members is handicapped based on the previous year's membership. In a small college environment such as our own, course work in heating and air conditioning is offered to juniors and seniors every two years at best. It is counterproductive to penalize the local ASHRAE chapter by de-rating student point values based on a standard of continual student chapter membership growth.

2. Faculty liaison member: The point rating of faculty liaison members is also based on expanded growth—"The more the merrier." In most cases one faculty liaison can easily handle a student chapter. It seems unnecessary to reward for overkill.

3. College student incentive programs. No comments.

4. Chapter sponsored seminars: No comments.

5. Secondary schools: No comments.

6. Continuing education: The formula for determining continuing education points contains a square root term. It seems that the tabulation method could be more straightforward.

I would like to offer my most sincere congratulations for the excellent job you did this past year as our chapter president. If I can be of further service, please do not hesitate to ask.

Sincerely,

Dell S. Petersen
Chairman, Education Committee
MEMO TO: Gunar Dzintars, Chapter President
FROM: Dave Kinghorn, Energy Management Committee Chairman
SUBJECT: Black Hills ASHRAE Chapter Energy Management Committee POE Status Report

It has not been a good year for the Energy Management Committee in general, and not good for obtaining POE points specifically. I have attached a copy of the POE points reporting form submitted to Larry Staples this month. As you can see, there is no problem with the "Energy Civic Talks" activity of the program. (I quit counting at 6 talks), however, that is where the ease of obtaining points ends. Because of the economy and the slow-down of construction, no new buildings or retrofit installations exist in the area that would even qualify for an ASHRAE Energy Award. A larger area where construction was not as cyclic would allow more entries for the awards. My committee has somewhat dropped the ball concerning the "Energy Seminars" activity of the program. Two seminars were discussed during the course of the year: "Efficient Use of Coal-Fired Heating Systems", and "Installation of Load Controlling Devices". Both seminars should have been timely, but again with no new applications or installations, and very little interest, my committee failed to get them off the ground. The "Legislative Expert Testimony" and "Government Advisor" activities are related in that there
must be an opportunity for participation, i.e., a place to testify and an advisorship to fill. Unfortunately, I am not aware of either in our area during this year. I am unsure of why none of our members participated in the "Members on Society Committees" activity during the last year. The attached table 3 refers to appointments to these committees but I feel there are no guidelines as to how the appointments are made, and obviously none were made in our Chapter this year.

In summary, I feel that the POE program and its objectives are meritorious, but the calculation of points may not be equally applicable to all chapters. A larger metropolitan area with greater activity at all times allows more opportunity for the program to succeed than a relatively rural area such as ours. I feel that the time for a serious redesign of the mechanics and administration of the program is at hand.

DK: dw
Attachment
April 29, 1982

Mr. Gunar Dzintars  
Chapter President  
Black Hills Area Chapter, ASHRAE  
P. O. Box 1365  
Rapid City, SD  57709

RE: Membership Report

Dear Gunar:

At present, our PAOE points for Membership Growth for the 1981-82 year are 50. However, if we could get the five delinquent members to pay their dues, our points would then be 300, compared with par of 250 points.

Our dues-paying members on July 1, 1981, were 52. The present figure stands at 46, as of March 31, 1982. Our dues-paying Student Members on July 1, 1981, were 20. The present figure stands at 11, and will increase to 14 with the 3 new applications received.

There have been two major factors involved in the decline of our membership:

(1) The large dues increase for both regular and student members.

(2) The decline in our local economy has caused some of our established members to move to other geographic areas for work.

It would be helpful to receive a print-out of dues-paying members and student members as of January 1 of each year, in addition to the July 1 print-out and the quarterly delinquent reports.

Also, it would be helpful to get new cards on each member and student member when they pay their dues for the year, even if there are no other statistical changes.

When I requested an address change, the ASHRAE Journal mailing was changed to the new address, but all the other correspondence is still being sent to the old address.

Sincerely yours,

Lee Latimer

LRL/aw
It is apparent by the economy in this area as in others that any efforts will be proportional to conditions and cycles.

Our chapter, though growing and active, has suffered the impact of this depressed economy.

Many firms that actively support the local group felt that they could not justify an investment at this time. We are all hopeful that the recession we are experiencing will end soon and that we all can get back to "business as usual".
APPENDIX
# ASHRAE CHAPTER INFORMATION QUESTIONNAIRE

**CHAPTER:** BLACK HILLS AREA  
**REGION:** IX  
**FISCAL YEAR:** 1982-1983

**CHAPTER OFFICERS (Do not use nicknames)**  
(Include area code when listing phone numbers.)

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Address</th>
<th>City, State</th>
<th>Zip Code</th>
<th>Phone 1</th>
<th>Phone 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRESIDENT</strong></td>
<td>DAVE ZWEITZIG</td>
<td>PO BOX 566</td>
<td>NEWELL, SD</td>
<td>57760</td>
<td>(605) 456-2283 or (605) 343-6275</td>
<td></td>
</tr>
<tr>
<td><strong>SECRETARY</strong></td>
<td>LEROY LATIMER</td>
<td>115 ST. JOE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PRESIDENT-ELECT</strong></td>
<td>MELVILLE GERLACH</td>
<td>1104 JACKSON BLVD.</td>
<td>RAPID CITY, SD</td>
<td>57701</td>
<td>(605) 342-0674</td>
<td></td>
</tr>
<tr>
<td><strong>VICE PRESIDENT</strong></td>
<td>DELL PETERSEN</td>
<td>RURAL ROUTE 9, BOX 801</td>
<td>RAPID CITY, SD</td>
<td>57701</td>
<td>(605) 399-7051</td>
<td></td>
</tr>
<tr>
<td><strong>TREASURER</strong></td>
<td>JOHN HEY</td>
<td>3024 OAK AVENUE</td>
<td>RAPID CITY, SD</td>
<td>57701</td>
<td>(605) 342-3596</td>
<td></td>
</tr>
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**CHAPTERS REGIONAL COMMITTEE REPRESENTATIVES**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Address</th>
<th>City, State</th>
<th>Zip Code</th>
<th>Phone 1</th>
<th>Phone 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DELEGATE</strong></td>
<td>DAVE ZWEITZIG</td>
<td>PO BOX 566</td>
<td>NEWELL, SD</td>
<td>57760</td>
<td>(605) 456-2283 or (605) 343-6275</td>
<td></td>
</tr>
<tr>
<td><strong>ALTERNATE</strong></td>
<td>MELVILLE GERLACH</td>
<td>1104 JACKSON BLVD.</td>
<td>RAPID CITY, SD</td>
<td>57701</td>
<td>(605) 342-0674</td>
<td></td>
</tr>
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HEADQUARTERS ADDRESS: ASHRAE, 1791 TULLIE CIRCLE, N.E., ATLANTA, GA. 30329
# CHAPTER BOARD OF GOVERNORS

<table>
<thead>
<tr>
<th>Name</th>
<th>ROBERT HAEFFNER</th>
<th>Name</th>
<th>DAVID HAMMERQUIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>PO BOX 1985</td>
<td>Address</td>
<td>1515 NINTH STREET</td>
</tr>
<tr>
<td>Business Phone</td>
<td>(605) 348-0631</td>
<td>Business Phone</td>
<td>(605) 348-1850</td>
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</table>

Please list the following key Chapter Chairmen for use by Headquarters and your Regional Chairmen, and submit new information promptly if names, etc. are changed.

<table>
<thead>
<tr>
<th>Membership Comm. Chrmn</th>
<th>DON HANSEN</th>
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<tbody>
<tr>
<td>Address &amp; Business Phone</td>
<td>Rural Route 1, Box 36, Rapid City, SD 57701</td>
</tr>
<tr>
<td>Education Comm. Chrmn</td>
<td>DAVE HAMMERQUIST</td>
</tr>
<tr>
<td>Address &amp; Business Phone</td>
<td>1515 Ninth St., Rapid City, SD 57701</td>
</tr>
<tr>
<td>Research Promotion Comm. Chrmn</td>
<td>AL HARDING</td>
</tr>
<tr>
<td>Address &amp; Business Phone</td>
<td>1614 Space, Rapid City, SD 57701</td>
</tr>
<tr>
<td>Energy Management Comm. Chrmn</td>
<td>LARRY BECKWITH</td>
</tr>
<tr>
<td>Address &amp; Business Phone</td>
<td>528 Kansas City St., Rapid City, SD 57701</td>
</tr>
<tr>
<td>Program Comm. Chrmn</td>
<td>MEL GERLACH</td>
</tr>
<tr>
<td>Address &amp; Business Phone</td>
<td>1104 Jackson Blvd., Rapid City, SD 57701</td>
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## MEETING DATES FOR THE 1982-1983 FISCAL YEAR
(For publication in the ASHRAE JOURNAL)

<table>
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<th>Month</th>
<th>Date</th>
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<td>July</td>
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<tr>
<td>Aug.</td>
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<tr>
<td>Sept.</td>
<td>30</td>
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<tr>
<td>Oct.</td>
<td>28</td>
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<tr>
<td>Nov.</td>
<td>18</td>
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<tr>
<td>Dec.</td>
<td>30</td>
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<tr>
<td>Jan.</td>
<td>27</td>
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<tr>
<td>Feb.</td>
<td>24</td>
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<tr>
<td>Mar.</td>
<td>31</td>
</tr>
<tr>
<td>Apr.</td>
<td>28</td>
</tr>
<tr>
<td>May</td>
<td>26</td>
</tr>
<tr>
<td>June</td>
<td></td>
</tr>
</tbody>
</table>

Regular Meeting Location: **COLONIAL HOUSE RESTAURANT**

Please list below following members who have special chapter functions.

1. **Chapter Historian**
   
   JOHN HANSON

2. **CRC Action Committee Chairman**
   
   RON O'CONNELL

3. **Publicity Chairman**
   
   GUNAR DZINTARS

---

Does Chapter charge dues? **YES**

<table>
<thead>
<tr>
<th>AMOUNT</th>
<th>$10.00</th>
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</thead>
</table>

Is there a prepaid meal plan? **NO**

What is the charge? __________

Name of Chapter Publication **FINE WHISPER**

Editor's Name **LERoy LATTNER**

Address | 115 ST. JOE, RAPID CITY, SD | Zip | 57701 |

Is your chapter legally incorporated? **NO**

Year of Incorporated __________

3/82/aa
## ASHRAE MINIMAL STANDARD CHAPTER CRC REPORT FORM

### REPORT TO REGION IX CRC CONFERENCE

<table>
<thead>
<tr>
<th>City</th>
<th>Rapid City</th>
<th>State</th>
<th>SD</th>
<th>Society Year</th>
<th>1981-1982</th>
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### MEMBERSHIP

<table>
<thead>
<tr>
<th>Assigned Members</th>
<th>July 1, 81</th>
<th>Current</th>
<th>PAE Points to Date</th>
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<tr>
<td>Student Members</td>
<td>26</td>
<td>16</td>
<td>54</td>
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<tr>
<td>Chapter Members</td>
<td>47</td>
<td>46</td>
<td>or</td>
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<table>
<thead>
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<th>New Members to Date</th>
<th>Current</th>
<th>PAE Points as of previous</th>
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<td>Members Delinquent to Date</td>
<td>3</td>
<td>5</td>
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<tr>
<td>Number of Upgrades</td>
<td>1</td>
<td>237</td>
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<td>Date of Membership Night</td>
<td>12-3-81</td>
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<table>
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<th>Guest Attendance</th>
<th>Current</th>
<th>PAE Points as of previous</th>
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### EDUCATION

<table>
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<tr>
<th>Name(s) of Student Branch</th>
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<th>PAE Points to Date</th>
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<tr>
<td>Student Night?</td>
<td>YES</td>
<td>346</td>
</tr>
<tr>
<td>Scholarships?</td>
<td>YES</td>
<td>as of previous</td>
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<tr>
<td>Grants in Aid?</td>
<td>NO</td>
<td>June 30 253</td>
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**Special Activities (describe)**

Student and new member night with beer and goodies.

*This includes an informal presentation on what ASHRAE is about.*

### RESEARCH FUND RAISING

<table>
<thead>
<tr>
<th>Quota</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points to Date</th>
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<tbody>
<tr>
<td></td>
<td>$1200.00</td>
<td>$1400.00</td>
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<table>
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<tr>
<th>Number of Contributions</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
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<tr>
<td></td>
<td>29</td>
<td>13</td>
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<table>
<thead>
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<th>Dollar Value</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
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<td>$1380.00</td>
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<th>Dollars per Member</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
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<tr>
<td></td>
<td>$29.36</td>
<td>$13.58</td>
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**Special Activities or Comments**

A portion of the receipts from our ASHRAE sponsored softball tournament are used as a chapter donation to the Research-Promotion Fund.

### ATTENDANCE & PROGRAMS*

<table>
<thead>
<tr>
<th>Number of Technical Programs</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points to Date</th>
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<tbody>
<tr>
<td></td>
<td>3</td>
<td>1</td>
<td>268</td>
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</table>

<table>
<thead>
<tr>
<th>Total Number of Meetings</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
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<tr>
<td></td>
<td>9</td>
<td>8</td>
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<table>
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<tr>
<th>Average Meeting Attendance</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
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<td></td>
<td>26</td>
<td>30</td>
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</table>

<table>
<thead>
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<th>Number of Pre-Dinner Sessions</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
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<tbody>
<tr>
<td></td>
<td>7</td>
<td>3</td>
<td></td>
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<table>
<thead>
<tr>
<th>Best Program</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
</tr>
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<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Comments on programs, speaker lists, etc.</th>
<th>Last Year</th>
<th>This Year</th>
<th>PAE Points as of previous</th>
</tr>
</thead>
</table>

| *Excluding social functions |

### ENERGY MANAGEMENT

**Legislative Liaison**

NONE

**Liaison with other Societies**

Gunar Dzintars to ASCE, John Hey to NSPE, Dell Petersen to SAME

**Joint action programs**

Our chapter and the local chapters of NSPE and ASCE sponsored a talk on the isolation of nuclear wastes on 4-22-82 given by a representative of BATTELLE Laboratories.

<table>
<thead>
<tr>
<th>PAE Points to Date</th>
<th>100</th>
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<tbody>
<tr>
<td>or</td>
<td>as of previous</td>
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<td></td>
<td>June 30 500</td>
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*Continued............*
## FINANCES

<table>
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<tr>
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<th>Last Year</th>
<th>This Year</th>
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<tbody>
<tr>
<td>Reserve Funds</td>
<td>$1277.71</td>
<td>--</td>
</tr>
<tr>
<td>Current Balance</td>
<td>$516.62</td>
<td>$1311.20</td>
</tr>
<tr>
<td>Membership Fee</td>
<td>10.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Member Cost of Meals</td>
<td>Varies</td>
<td>Varies</td>
</tr>
<tr>
<td>Guest Cost of Meals</td>
<td>Varies</td>
<td>Varies</td>
</tr>
<tr>
<td>Cash Bar?</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Package Plan? Details</td>
<td>NONE</td>
<td></td>
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</tbody>
</table>

**Other Sources of Income?** Softball Tournament

Our softball tournament netted $725.00 for the chapter coffers.

**Special Projects or Programs Funded?** NONE

## SOCIAL FUNCTIONS:

(List and comment briefly)

- **10-29-82** A joint dinner meeting was held with the Society of American Military Engineers at the Ellsworth Air Force Base Officer's Club.
- **4-1-82** Wives' night was held at a local supper club. The program was a presentation on a tyrannosaurus rex being excavated in South Dakota.

## CRC ACTION COMMITTEE PROPOSALS:

NONE

## CHAPTER PROBLEMS:

PAOE and Society rules are not conducive to small chapters. Society regulations and incentives are not conducive to student members. Localeconomy was bad for the construction industry (there is less participation in chapter activities when you're trying to keep your head above water). We lost several active members (including officers - moved from area). When information was needed from Society many times it was slow in coming.

## CHAPTER INNOVATIONS & SUGGESTIONS:

I suggest that Society bookkeeping, offices, etc. be arranged so that information can be more quickly received and dispersed. The regulations and incentives concerning students membership should be reworked. The PAOE and Society rules should be reevaluated in regards to small chapters.

**SIGNED:**

[Signature]

Chapter President

## Attachments:

1. Best Newsletter of the Year
2. Special Seminar Program
3. Chapter Information Questionnaire
4. Copy of Chapter Roster (Optional)
5. Product Directory (if published)
1. Student Membership

\[ \left( \frac{SN}{SN+5} \right)^2 \times 50 \text{ (Max. pts. 100)} \]

\[ \begin{align*}
SN &= 15 \\
SN+5 &= 21 \\
\left( \frac{15}{21} \right)^2 &= 0.25 \\
0.25 \times 50 &= 25.5 \\
\end{align*} \]

2. Faculty Liaison

\[ \left( \frac{FN}{PO} \right)^2 \times 50 \text{ (Max. pts 100)} \]

\[ \begin{align*}
FN &= 0 \\
PO &= 0 \\
\left( \frac{0}{0} \right)^2 &= 0 \\
0 \times 50 &= 0 \\
\end{align*} \]

3. College student incentive programs

Awards Conferred \times 50 \text{ (Max. pts. 100)}

Total Available Institutions

Awards conferred = 2
Institutions = 1

\[ \frac{2}{1} \times 50 = 100 \]

4. Chapter sponsored seminars

Seminar hours \times 7.5 \text{ (Max pts. 75)}

Seminar hours = 8

\[ 8 \times 7.5 = 60 \]

5. Career Guidance

a) Career contacts \times 10 \text{ (max. 60 pts.)}

Career contacts = 20

\[ 20 \times 10 = 200 \]

b) Awards conferred \times 10 \text{ (Max pts. 20)}

Awards = 0

\[ 0 \times 10 = 0 \]

6. Continuing Education

\[ \sqrt{\frac{MCE}{MD}} \times 500 \text{ (Max. pts. 100)} \]

MCE = Members completing continuing education = 4
MD = Membership = 43

\[ \sqrt{\frac{4}{43}} \times 500 = 21.5 \]

TOTAL = 346
ENERGY MANAGEMENT
Black Hills CHAPTER REPORT - REGION IX
FOR THE PERIOD FROM JUNE 1, 1981 THROUGH April 1982

FROM: David L. Kinghorn  TO: L. S. Staples, Jr.  NOTE: PLEASE RETURN MONTHLY
CHAPTER COMMITTEE CHAIRMAN  REGION IX VICE CHAIRMAN
ADDRESS: Wyodak Resources  ADDRESS: 425 West 49th Terrace
P.O. Box 1400  Kansas City, Missouri
Rapid City, SD 57709  64112


AWARD OF EXCELLENCE
PROGRESS REPORT

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>NUMBER OF ACTIVITIES</th>
<th>POINT FORMULA</th>
<th>MAX. OBTAINABLE POINTS</th>
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<tr>
<td>ASHRAE ENERGY AWARD PROGRAM</td>
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<td>ENTRIES</td>
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<td>REGIONAL AWARDS</td>
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<td>1ST-40*N</td>
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<td>2ND-30*N</td>
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<td>3RD-20*N</td>
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<td>ENERGY SEMINARS (4 HRS)</td>
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<tr>
<td>ENERGY CIVIC TALKS</td>
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<td>LEGISLATIVE EXPERT TESTIMONY</td>
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<td>ASHRAE TECHNICAL EXPERTS APPOINTMENT AS GOVT ADVISORS</td>
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<td>SOCIETY MEMBERS OF TC-TG-STD-HANDBOOK</td>
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<td>100<em>N/(.05</em>M_d)</td>
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<td>DOCUMENTATION ATTACHED</td>
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<td>TOTAL</td>
<td>PAR = 350</td>
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<td>MAX = 550</td>
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MEMBERSHIP PAGE POINTS

\[ P_{MG} = 250 \sqrt{\frac{G}{G^*}} + 100 \sqrt{\frac{A}{A^*}} \]

\( G = \) Net growth in dues-paying members = -2

\( G^* = \) Membership growth objective = 0.03\( M_D \) + 1

\[ = 0.03 (47) + 1 \]

\[ = 2.41 \]

\( A = \) Advancements from Associate Member to Member Grade = 1

\( A^* = \) Membership advancement objective = 0.05\( M_D \) + 1

\[ = 0.05 (47) + 1 \]

\[ = 3.35 \]

\( M_D = \) Area assigned dues paying members on 7-01-81 = 47

\[ P_{MG} = 250 \sqrt{-2/2.41} + 100 \sqrt{1/3.35} \]

\[ = 250 (0) + 100 (.546) \]

\[ P_{MG} = 55 \text{ Points} \]
THIS MONTH'S MEETING will feature Dr. Phil Bjork of the South Dakota School of Mines. Dr. Bjork will give a presentation entitled "Ranchers and Rex"—a program about the fossilized remains of a Tyrannosaurus Rex found near Mud Butte, South Dakota. It should be an extremely interesting program since only a handful of "Rex" skeletons have ever been found. Let's hope he doesn't get so interested in some of the fossils in our chapter that he forgets about dinosaurs.

The meeting will be

DATE: April 1, 1982  
LOCATION: Black Forest Inn  
HAPPY HOUR: 6:30 p.m.-7:30  
DINNER: 7:30 p.m.  
COST: Prime Rib $11.90  
      Breaded shrimp $10.71 (includes tax and tip)

Guests are encouraged—especially wives and sweethearts!

Members interested in a tour of the Homestake Gold Mine please contact Dave Zwetzig at 343-6275. The tour takes place Thursday afternoon. Tours are limited to fifteen people. Tentatively scheduled for April 22.
1. Eric Acker  
   9403B Washington  
   Ellsworth AFB, SD 57706  
   (605) 399-7051  

2. Delmar Aldrich  
   PO Box 583  
   Rapid City, SD 57709  
   (605) 343-1711  

3. Brian Ascherin  
   955 Penny Lane  
   Rapid City, SD 57701  
   (605) 342-4248  

4. Monty Baer  
   PO Box 640  
   Rapid City, SD 57709  
   (605) 394-5000  

5. Larry Beckwith  
   528 Kansas City St.  
   Rapid City, SD 57701  
   (605) 348-1850  

6. Rich Buchner  
   6528 Beverly Dr.  
   Rapid City, SD 57701  
   (605) 343-7217  

7. Mark Carda  
   PO Box 1400  
   Rapid City, SD 57709  
   (605) 348-1700  

8. James Christensen  
   4241 Foothill Dr.  
   Rapid City, SD 57701  
   (605) 348-1850  

9. Sam Clausen  
   1101 E. Philadelphia  
   Rapid City, SD 57701  
   (605) 348-1345  

10. Richard Clegg  
    2939 Country Club Dr.  
    Rapid City, SD 57701  
    (605) 348-2033  

11. William Craig  
    219 San Marco  
    Rapid City, SD 57701  
    (605) 394-4165  

12. George Dunham  
    528 Kansas City St.  
    Rapid City, SD 57701  
    (605) 348-1850  

13. Gunar Dzintars  
    623 Dakota Dr.  
    Rapid City, SD 57701  
    (605) 394-2660  

14. Gordon Fluke  
    401½ North River  
    Hot Springs, SD 57747  
    (605) 745-5800  

15. Melville Gerlach  
    1104 Jackson Blvd.  
    Rapid City, SD 57701  
    (605) 342-0674  

16. Blase Giltner  
    1601 4J Road  
    Gillette, WY 82716  

17. David Grow  
    PO Box 329  
    Rapid City, SD 57709  
    (605) 342-0532  

18. Robert Haefer  
    PO Box 1985  
    Rapid City, SD 57709  
    (605) 348-4012  

19. David Hammerquist  
    1515 Ninth St.  
    Rapid City, SD 57701  
    (605) 348-1850  

20. John Hammond  
    2742 Pioneer Dr.  
    Rapid City, SD 57701  
    (605) 343-6815
21. Don Hansen  
   RR 1, Box 36  
   Rapid City, SD  57701  
   (605) 343-5879

22. J. Scott Hansen  
   RR1, Box 36  
   Rapid City, SD  57701  
   (605) 343-5879

23. John Hanson  
   528 Kansas City St.  
   Rapid City, SD  57701  
   (605) 348-1850

24. Alvin Harding  
   1614 Space  
   Rapid City, SD  57701  
   (605) 342-0160

25. John Key  
   3024 Oak Ave.  
   Rapid City, SD  57701  
   (605) 342-3596

26. Jerry Hoeneke  
   4429 Bellwood Dr.  
   Rapid City, SD  57701  
   (605) 394-6600

27. James Jacobs  
   327 E. Omaha  
   Rapid City, SD  57701  
   (605) 342-3264

28. Milford Kast  
   PO Box 567  
   Rapid City, SD  57709  
   (605) 343-7217

29. David Kinghorn  
   PO Box 1400  
   Rapid City, SD  57709  
   (605) 348-1700

30. Gerald Kirchoff  
   RR 6, Box 715  
   Rapid City, SD  57701  
   (605) 348-6330

31. Louis Lamberton  
   PO Box 276  
   Sturgis, SD  57785  
   (605) 347-3249

32. Leroy Latimer  
   115 St. Joe  
   Rapid City, SD  57701  
   (605) 343-3432

33. William Lemon  
   101 Sherwood Circle  
   Casper, WY  82601

34. Donald L'Esperance  
   PO Box 1940  
   Rapid City, SD  57709  
   (605) 342-3430

35. Mark Lewis  
   PO Box 2533  
   Rapid City, SD  57709  
   (605) 342-2802

36. Ronald O'Connell  
   PO Box 1806  
   Rapid City, SD  57709  
   (605) 343-6275

37. Lee Olsen  
   1018 Flormann  
   Rapid City, SD  57701  
   (605) 342-2301

38. Donald Peacock  
   1739 Lodge St.  
   Rapid City, SD  57701  
   (605) 342-4290

39. Dell Petersen  
   RR 9, Box 801  
   Rapid City, SD  57701  
   (605) 399-7051

40. Dr. Thomas Oliver  
   Suburban Route, Box 340  
   Rapid City, SD  57701  
   (605) 394-2454
**MEMBERSHIP ROSTER (Continued)**

41. Warren Satterlee  
   400 N. 4th St.  
   Bismarck, ND  58501

42. Leo Schaefer  
   PO Box 292  
   Rapid City, SD  57709  
   (605) 348-4012

43. Terry Schultz  
   PO Box 676  
   Rapid City, SD  57709  
   (605) 348-7100

44. Dale Skillman  
   317 Columbus St.  
   Rapid City, SD  57701  
   (605) 399-2593

45. Steven Street  
   PO Box 1183  
   Rapid City, SD  57709  
   (605) 342-5107

46. Douglas Vallis  
   PO Box 1400  
   Rapid City, SD  57709  
   (605) 348-1700

47. Steve Warren  
   PO Box 3120  
   Rapid City, SD  57709  
   (605) 342-7000

48. David Zwetsig  
   PO Box 566  
   Newell, SD  57760  
   (605) 456-2283