I. Founders
E. D. Ball, F. E. Brown, R. E. Buchanan, I. E. Melhus, and J. A. Wilkinson

II. Charter Members (February 1920)

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bakke, A. L.</td>
<td>Emerson, P. C.</td>
<td>Lamb, A. R.</td>
</tr>
<tr>
<td>Baldwin, F. M.</td>
<td>Erwin, A. T.</td>
<td>Martin, J. N.</td>
</tr>
<tr>
<td>Ball, E. D.</td>
<td>Eyrard, J. M.</td>
<td>Melhus, I. E.</td>
</tr>
<tr>
<td>Beach, S. A.</td>
<td>Fenton, F. A.</td>
<td>Murphy, H. S.</td>
</tr>
<tr>
<td>Beyer, S. W.</td>
<td>Fulmer, E. I.</td>
<td>Murray, C.</td>
</tr>
<tr>
<td>Brown, F. E.</td>
<td>Gilman, H.</td>
<td>Nelson, V. E.</td>
</tr>
<tr>
<td>Brown, P. E.</td>
<td>Gilman, J. C.</td>
<td>Pammel, L. H.</td>
</tr>
<tr>
<td>Buchanan, R. E.</td>
<td>Hammer, B. W.</td>
<td>Stevenson, W. H.</td>
</tr>
<tr>
<td>Coover, W. F.</td>
<td>Hayes, A.</td>
<td>Wilkinson, J. A.</td>
</tr>
</tbody>
</table>

III. Chairpersons, by year

<table>
<thead>
<tr>
<th>Year</th>
<th>Chairperson</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920</td>
<td>Melhus, I. E.</td>
<td>Botany</td>
</tr>
<tr>
<td>1921</td>
<td>Wilkinson, J. A.</td>
<td>Chemistry</td>
</tr>
<tr>
<td>1922</td>
<td>Bemis, H. E.</td>
<td>Vet. Medicine</td>
</tr>
<tr>
<td>1923</td>
<td>Wellhouse, W. H.</td>
<td>Zoology-Ent.</td>
</tr>
<tr>
<td>1924</td>
<td>Emerson, P. C.</td>
<td>Farm Crops-Soils</td>
</tr>
<tr>
<td>1925</td>
<td>Woodrow, J. W.</td>
<td>Physics</td>
</tr>
<tr>
<td>1926</td>
<td>Gilman, J. C.</td>
<td>Botany</td>
</tr>
<tr>
<td>1927</td>
<td>Burnett, L. C.</td>
<td>Farm Crops</td>
</tr>
<tr>
<td>1928</td>
<td>Hammer, B. W.</td>
<td>Dairy Bact.</td>
</tr>
<tr>
<td>1929</td>
<td>Rickey, R. W.</td>
<td>Horticulture</td>
</tr>
<tr>
<td>1930</td>
<td>Brown, F. E.</td>
<td>Chemistry</td>
</tr>
<tr>
<td>1931</td>
<td>Lindstrom, W. E.</td>
<td>Genetics</td>
</tr>
<tr>
<td>1932</td>
<td>Knight, H. H.</td>
<td>Zoology-Ent.</td>
</tr>
<tr>
<td>1933</td>
<td>Murray, C.</td>
<td>Vet. Research</td>
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<tr>
<td>1934</td>
<td>Guthrie, J. E.</td>
<td>Zoology-Ent.</td>
</tr>
<tr>
<td>1935</td>
<td>Snedecor, G. W.</td>
<td>Statistics</td>
</tr>
<tr>
<td>1936</td>
<td>Lush, J. L.</td>
<td>Animal Science</td>
</tr>
<tr>
<td>1938</td>
<td>Gilkey, H. J. T. &amp; A. M.</td>
<td></td>
</tr>
<tr>
<td>1939</td>
<td>Beister, H. E.</td>
<td>Vet. Research</td>
</tr>
<tr>
<td>1940</td>
<td>Harris, H. M.</td>
<td>Zoology-Ent.</td>
</tr>
<tr>
<td>1941</td>
<td>Clark, N. A.</td>
<td>Chemistry</td>
</tr>
<tr>
<td>1942</td>
<td>Cannon, C. Y.</td>
<td>Dairy Husbandry</td>
</tr>
<tr>
<td>1943</td>
<td>Werkman, C. H.</td>
<td>Bacteriology</td>
</tr>
<tr>
<td>1944</td>
<td>Holl, D. L.</td>
<td>Mathematics</td>
</tr>
<tr>
<td>1945</td>
<td>Hewitt, E. A.</td>
<td>Vet Physiology</td>
</tr>
</tbody>
</table>
1973 Denisen, E. L., Horticulture 1993 Finnemore, D. K.,
1980 Hammond, E. G., Food Tech 1999 Clem, J. R., Physics/Astronomy

IV. Steering Committee (four-year terms with the last calendar year of service indicated in parentheses)

Broyny Bonning Entomology (2010)
Keith Woo Chemistry (2011)
Kan Wang Agronomy (2012)
Philip Dixon Statistics (2012)
James Reecy Animal Science (2013)

V. Life Members, with 25 or more years of membership (elected 1984 or before)

<table>
<thead>
<tr>
<th>Name</th>
<th>Elected</th>
<th>Department</th>
<th>Program (Latest)</th>
<th>Steering Committee</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boylan, D. R.</td>
<td>1960</td>
<td>Chemical Engr.</td>
<td>1961</td>
<td></td>
<td></td>
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<tr>
<td>Frey, K. J.</td>
<td>1955</td>
<td>Agronomy</td>
<td>1982</td>
<td></td>
<td>1966</td>
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<tr>
<td>Name</td>
<td>Elected</td>
<td>Department</td>
<td>Program (Latest)</td>
<td>Steering Committee</td>
<td>Chair</td>
</tr>
<tr>
<td>---------------</td>
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<td>--------------------------------</td>
<td>------------------</td>
<td>-------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Pollak, E.</td>
<td>1975</td>
<td>Statistics</td>
<td>1986</td>
<td></td>
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</tr>
<tr>
<td>Read, A. A.</td>
<td>1964</td>
<td>Electrical Engr.</td>
<td>1964</td>
<td></td>
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<tr>
<td>Reilly, Peter</td>
<td>1979</td>
<td>Zoology &amp; Genetics</td>
<td>1966</td>
<td>2004-2008</td>
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<tr>
<td>Robertson, D. S.</td>
<td>1959</td>
<td>Chemical Engineering</td>
<td>1999</td>
<td></td>
<td>1991</td>
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<tr>
<td>Ruedenberg, K.</td>
<td>1981</td>
<td>Chemistry</td>
<td>1985</td>
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<tr>
<td>Seagrave, R. C.</td>
<td>1972</td>
<td>Chemical Engineering</td>
<td>2001</td>
<td></td>
<td>1978</td>
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<tr>
<td>Serovy, G. K.</td>
<td>1961</td>
<td>Mechanical Engineering</td>
<td>1963</td>
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<tr>
<td>Shaw, R. H.</td>
<td>1957</td>
<td>Agronomy</td>
<td>1958</td>
<td></td>
<td>1961</td>
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<tr>
<td>Stewart, R. M.</td>
<td>1959</td>
<td>Computer Science</td>
<td>1966</td>
<td></td>
<td>1971</td>
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<tr>
<td>Swenson, R. W.</td>
<td>1975</td>
<td>Botany</td>
<td>1976</td>
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</tbody>
</table>

VI. Active Members (attendance at 3 of the 9 meetings per calendar year 2009)

<table>
<thead>
<tr>
<th>Name</th>
<th>Elected</th>
<th>Department</th>
<th>Program (Latest)</th>
<th>Steering Committee</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beattie, G.</td>
<td>2009</td>
<td>Plant Pathology</td>
<td>2009</td>
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<tr>
<td>Bonning, B.</td>
<td>2005</td>
<td>Entomology</td>
<td>2006</td>
<td>2007-2010</td>
<td></td>
</tr>
<tr>
<td>Gordon, M.</td>
<td>2008</td>
<td>Chemistry /Ames Laboratory</td>
<td>2008</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Jenks, C. 2009 Ames Laboratory 2009
Jolls, K. R. 1996 Chemical Engineering 2006
Robyt, J. Reactivated Biochemistry, Biophysics and Molecular Biology 2006-2009
Schnable, P. 2009 Agronomy 2009
Thiel, P. 2008 Chemistry; Ames Lab 2008
Topel, D. 2002 Animal Science

VII. Associate Members (attended fewer than three meetings during the calendar year 2009). This group receives meeting announcements, but does not vote for members or officers.

<table>
<thead>
<tr>
<th>Name</th>
<th>Elected</th>
<th>Department</th>
<th>Program (Latest)</th>
<th>Steering Committee</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angelici, R. J.</td>
<td>1989</td>
<td>Chemistry</td>
<td>1990</td>
<td></td>
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<tr>
<td>Dickson, J.</td>
<td>2007</td>
<td>Animal Science</td>
<td>2007</td>
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<tr>
<td>Doraiswamy, L. K.</td>
<td>1989</td>
<td>Chemical Engineering</td>
<td>1990</td>
<td></td>
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<tr>
<td>Hogberg M.</td>
<td>2006</td>
<td>Animal Science</td>
<td>2006</td>
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<tr>
<td>Kawaler, S.</td>
<td>2004</td>
<td>Physics &amp; Astronomy</td>
<td>2004</td>
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<td></td>
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<tr>
<td>Keeney, D. R.</td>
<td>Re-2005</td>
<td>Agronomy</td>
<td>2005</td>
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<tr>
<td>Lin, V.</td>
<td>Re-2008</td>
<td>Chemistry</td>
<td>2008</td>
<td></td>
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<tr>
<td>Martin, R.*</td>
<td>2003</td>
<td>Biomedical Sciences</td>
<td>2002</td>
<td></td>
<td></td>
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<tr>
<td>Minion, C.</td>
<td>2003</td>
<td>Vet. Microbiology &amp; Preventive Medicine</td>
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<tr>
<td>Morris, M.</td>
<td>2004</td>
<td>Statistics</td>
<td>2004</td>
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<td></td>
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<tr>
<td>Murphy, P. A.</td>
<td>1986</td>
<td>Food Sci. &amp; Human Nutr.</td>
<td>1987</td>
<td>2004</td>
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<td>Nonnecke, G.</td>
<td>2004</td>
<td>Horticulture</td>
<td>2004</td>
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<tr>
<td>Pohl, N.</td>
<td>2004</td>
<td>Chemistry</td>
<td>2005</td>
<td></td>
<td></td>
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<tr>
<td>Pruski, M.</td>
<td>2003</td>
<td>Ames Laboratory</td>
<td>2005</td>
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<tr>
<td>Rao, G.</td>
<td>2007</td>
<td>Biochem./Molec. Biology</td>
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<tr>
<td>Rothschild, M. F.</td>
<td>2001</td>
<td>Animal Science</td>
<td>2002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rudolph, T. J.</td>
<td>1996</td>
<td>Aero Eng and Eng M</td>
<td>2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sappington, T.</td>
<td>2006</td>
<td>USDA Ag. Research</td>
<td>2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott, M. P.*</td>
<td>2005</td>
<td>USDA, ARS/Agronomy</td>
<td>2005</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Singh, R.</td>
<td>2008</td>
<td>College of Veterinary Med.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spurlock, D.</td>
<td>2006</td>
<td>Animal Science</td>
<td>2006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spurlock, M.</td>
<td>2006</td>
<td>Food Sci./Human Nutrition</td>
<td>2006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sung, S.</td>
<td>2007</td>
<td>Civil, Const. and Envir. Engr.</td>
<td>2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Verkade, J.</td>
<td>2004</td>
<td>Chemistry</td>
<td>2006</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Indicates members who need to attend at least one meeting in 2010 to remain members.
VIII. Changes to Membership in 2009

A. New Members: Gwyn Beattie, Cynthia Jenks, Pat Schnable

Resigned (rs), moved (m), deceased (d), or dropped (dr) [associate members dropped because they attended no meetings in 2008 and 2009]:
Lois H. Tiffany (d – 9/8/09), Dave F. Cox (d)
C. Andreason (dr), J. C. Dekkers (dr), M. Ellinwood (dr), P. A. Garcia (dr)
J. Hill (dr), R. S. MacDonald (dr), H. Moon (dr), L. K. Nolan (dr), C. Tipton (dr)

B. To Life Membership [elected 1984 or before]: None

C. Associate to Active [by attending 3 meetings]: James M. Reecy

D. Active to Associate [by not attending 3 meetings]:
R. J. Angelici, J. Dickson, L. K. Doraiswamy, M. G. Hogberg, A. Miller,

IX. Dinner Lecture Programs Presented During 2009

January 12  James D. McCalley, Harpole Professor of Electrical & Computer Engineering
“U.S. Wind Energy Growth: Issues for 20% by 2030”

February 9  Krishna Rajan, Stanley Chair in Interdisciplinary Engineering & Director- Institute for Combinatorial Discovery, Department of Materials Science and Engineering
“Information Science for Materials Science: A Systems Biology Approach to Materials Discovery”

March 9  Vikram L. Dalal, MRC Director, and Thomas M. Whitney Professor of Electrical and Computer Engineering
“Energy Crisis and Need for Solar Energy”

April 13  Peter Orazem, University Professor, Department of Economics
“An Economic Perspective on Life in Ames: A Tragicomic Discourse”

September 14  Pat Schnable, Professor, Department of Agronomy
“Analysis of the Maize Genome Reveals New Opportunities for Crop Improvement”

October 12  Gwyn Beattie, Associate Professor, Department of Plant Pathology
“Leaf Microorganisms: How They Influence Plant and Environmental Health”

November 9  Doug Jacobson, University Professor, Department of Electrical and Computer Engineering and Director, ISU Information Assurance Center
“Computer and Network Forensics: CSI—Ames”

December 7  Cynthia Jenks, Assistant Director for Scientific Planning, Ames Laboratory
“How Green is Green and Could it Be Greener?”

January 11, 2010  Diane M. Debinski, Professor, Department of Ecology, Evolution and Organismal Biology
“Montane Meadows as Indicators of Climate Change”
X. **Financial Statement, Balance as of December 31, 2009**


Starting Bank Balance: $1117.12

Year-End Bank Balance for 2009: $895.63

The year-end bank balance represents the funds on deposit. The low balance reflects an overpayment to Ames Best Pies for the December meeting. We have a credit of $165.60 and $15.00, cash bringing our financial resources to $1061.23. We incurred expenses for name tags ($50.28) and new checks ($12.75).

The dinner fee was increased to $22.00 in 2008 to cover the costs of meals and media equipment usage fees and the dinner cost for the speaker. Speakers used their own computer to minimize the costs.

XI. **General Rules of the Osborn Research Club**

The club meets on the second Monday of each month from September through April. The program consists of a social period, dinner, and presentation of a research lecture by either a member or guest. Notices are sent about two weeks prior to each meeting and should be returned by Noon the Thursday prior to the Monday meeting. Members are liable for reservations not canceled by Noon the Thursday before the meeting.

A motion of announcing lectures to the university community to make Osborn Club visible on campus was made by Jim Hill and approved by the Steering Committee in October 2007. Titles, speakers, time, and location of Osborn Club lectures were announced in ISU Calendar and Inside Iowa State.

To be an **Active Member**, attendance at three of the eight meetings of the calendar year is required. The rule is suspended when notification is given of being off campus or ill for one-half of the academic year. Lack of attendance places the member in the **Associate Membership** status. **Associate Members** cannot vote for members or officers. **Associate Members** not attending one meeting during the preceding two years are dropped from the roll.

**Life Membership** is granted after 25 years of membership. **Life Members** are exempt from attendance requirements; however, those who leave the Ames area are not continued on the Club roll.

The **Steering Committee** consists of four members, one of whom is elected each year at the annual election. Because one of the Steering Committee members resigned early in 2007 and left Iowa State, we have been electing two new members in some years. The **Steering Committee** approves new members, select candidates for **Chairperson** and **Steering Committee**, and works with the **Chairperson** to guide the affairs of the Club.

The **Chairperson** is responsible for all the operation details of the Club, principally, meetings, membership and the annual election. The **Chairperson** serves for the calendar year, but traditionally assumes responsibility for the January meeting of the following year.

Nomination for membership should originate with a member and be endorsed by one other member. Nominations should go to the **Chairperson**. Criteria to consider in nominating a new member are as follows: (a) that the research field be clearly in the natural or physical sciences; (b) that the
nominee be Iowa State University faculty or staff who is personally conducting research; (c) that the research activity and productivity be substantial and of high quality; and (d) that the nominee be responsible for leading their research program. By vote of the membership in 2005 a requirement of being at ISU for one year was removed from the criteria.

The following items were voted on by the membership in July 2008.

1. The membership voted to change the by-laws to eliminate the need for the Steering Committee to approve new members. It was proposed that the Chair review the application (signed by two active members) and send both the application and the candidate’s vita directly to the members for a vote. This recommendation had the support of the Steering Committee.

2. The membership voted to change the by-laws to eliminate the need for the Steering Committee to approve the reinstatement of former members. It was proposed that the Chair have the ability to directly reinstate former members. This recommendation had the support of the Steering Committee.

3. The membership voted for expansion of the membership pool to allow us to consider members of the Professional and Scientific community for membership. This recommendation had the support of the Steering Committee.

4. The membership voted to eliminate the May meeting. Attendance has been low because it is held after spring semester final exams are over and many members are out of town. For the May 2008 meeting, expenses exceeded contributions. Elimination of the May meeting would give us four lectures in the fall and four lectures in the spring. This recommendation had the support of the Steering Committee.

The Steering Committee also voted to change the site of the Osborn Club Meeting to the atrium in the Molecular Biology Building and have the dinner catered by Ames Best Pies, with the lecture in the lecture hall (1420 MBB).

Previous Changes to the Club Rules.

By vote of the membership in December, 2001, all elections of new members and officers of the Osborn Research Club will be conducted over at least a four (4) week period from the time ballots are mailed to the membership. The closing date of the election will be printed as part of the ballot. Only those votes received by 5:00 p.m. on the closing date of an election will be counted. At their discretion, active and life members of the Osborn Research Club may register their vote on any club ballot either by E-mail or by hard copy. Confidentiality will be maintained on all ballots with only the Club Chair, Steering Committee Members, and the secretary who handles the Club Records having access to the individual ballots for counting purposes only. The selection of new members shall be by unanimous affirmative vote of the Steering Committee and by a two-thirds affirmative vote of the Active and Life Membership that votes within the prescribed election period.

By vote of the membership in May, 1986, the evening speaker’s meal is paid for by the Osborn Research Club’s treasury.

In September 2008, the amount charged for the dinner was raised from $18.00 per person to $22.00.

A copy of the history of the Osborn Club (including slides and script) has been deposited in the Archives of the Parks Library. Our records indicate that we lack all Annual Reports from 1931 to 1941. Otherwise the historical record appears to be complete.
XII. Chairperson’s Observations (edited from comments going back at least as far as 2002)

I formally thank our outstanding speakers. Each speaker gave a first rate presentation that engaged the participants in stimulating discussion. We had the opportunity to hear a wide range of topics and to stretch our thoughts outside of our usual disciplinary boxes. I had tremendous support from the outgoing 2008 chairperson, George Kraus. George passed well-organized records and excellent suggestions to me, which eased my transition into the role of chairperson. The Steering Committee members provided excellent support, nominations and advice. I also thank Ms. Patti Boone and Carla Holbrook of The Department of Chemistry for their assistance on handling member registrations, voting, and preparation of meeting materials throughout the year.

In the year 2009, we had nomination and election of three new members of the Osborn Research Club, and we had total of 42 Life Members, 19 Active Members, and 31 Associate Members as we go into 2010. Despite the fact that everyone had overly full schedules and we had to compete with other university lectures, we had average meeting attendance of 22 members, slightly less than previous years. I sincerely hope that the attendance will be significantly increased in 2010. The number of new members (three) elected in 2010 was slightly lower than in previous years. We need to put more efforts on actively recruiting new members in 2010.

I propose we continue to try in 2010 to follow earlier chairs’ suggestions to keep the club strong and vital, continuing its excellent tradition of 90 years. To do this let’s each commit ourselves to the following:

1. **Attend** at least the minimum of 3 meetings per year required for the active membership category, regardless of your present membership category.

2. **Invite guests** to the meeting. [e.g., new faculty members in your department, long-time colleagues who are not members, a postdoc or visiting scientist in your research group].

3. **Nominate** a colleague.

4. **Call up a fellow member** and invite him or her to attend with you.

I am confident that the club will thrive with the leadership of the 2010 chairperson, Philip Dixon, and the Steering Committee, and with your active participation. Your comments and suggestions are always welcome, as we look forward to a great year in the Osborn Research Club in 2010.

Respectfully submitted,

Keith Woo
Chairperson, 2009