

**2009 ANNUAL REPORT  
OSBORN RESEARCH CLUB  
IOWA STATE UNIVERSITY**

**I. Founders**

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

**II. Charter Members (February 1920)**

Bakke, A. L.	Emerson, P. C.	Lamb, A. R.
Baldwin, F. M.	Erwin, A. T.	Martin, J. N.
Ball, E. D.	Evvard, J. M.	Melhus, I. E.
Beach, S. A.	Fenton, F. A.	Murphy, H. S.
Beyer, S. W.	Fulmer, E. I.	Murray, C.
Brown, F. E.	Gilman, H.	Nelson, V. E.
Brown, P. E.	Gilman, J. C.	Pammel, L. H.
Buchanan, R. E.	Hammer, B. W.	Stevenson, W. H.
Coover, W. F.	Hayes, A.	Wilkinson, J. A.

**III. Chairpersons, by year**

1920	Melhus, I. E., Botany	1946	Richardson, C. H., Zoology-Ent.
1921	Wilkinson, J. A., Chemistry	1947	Carr, P. H., Physics
1922	Bemis, H. E., Vet. Medicine	1948	Murphy, H. C., Bot.-Farm Crops
1923	Wellhouse, W. H., Zoology-Ent.	1949	Bird, E. W., Food Technology
1924	Emerson, P. C., Farm Crops-Soils	1950	Loomis, W. E., Botany
1925	Woodrow, J. W., Physics	1951	Earls, L. T., Physics
1926	Gilman, J. C., Botany	1952	Buchanan, R. E., Bacteriology
1927	Burnett, L. C., Farm Crops	1953	Hendrickson, G. O., Zoology-Ent.
1928	Hammer, B. W., Dairy Bact.	1954	Gwynne, C. S., Geology
1929	Rickey, R. W., Horticulture	1955	Murphy, G., Nuclear Eng.
1930	Brown, F. E., Chemistry	1956	Bakke, A. L., Botany
1931	Lindstrom, W. E., Genetics	1957	Hamilton, H. L., Zoology-Ent.
1932	Knight, H. H., Zoology-Ent.	1958	Craft, W. A., Animal Science
1933	Murray, C., Vet. Research	1959	Fox, G. W., Physics
1934	Guthrie, J. E., Zoology-Ent.	1960	Jacobson, N. L., Dairy Science
1935	Snedecor, G. W., Statistics	1961	Shaw, R. H., Agronomy
1936	Lush, J. L., Animal Science	1962	Kirkham, D., Agronomy-Physics
1937	Becker, E. R., Zoology-Ent.	1963	Tauber, O. E., Zoology
1938	Gilkey, H. J., T. & A. M.	1964	Allen, R. S., Biochem.-Biophys.
1939	Beister, H. E., Vet. Research	1965	Wilhelm, H. A., Chemistry
1940	Harris, H. M., Zoology-Ent.	1966	Frey, K. J., Agronomy
1941	Clark, N. A., Chemistry	1967	Dahm, P. A., Zoology-Ent.
1942	Cannon, C. Y., Dairy Husbandry	1968	Maple, C. G., Computation Ctr.
1943	Werkman, C. H., Bacteriology	1969	Melampy, R. M., Animal Science
1944	Holl, D. L., Mathematics	1970	Weiss, H. J., Engr. Mech.-Math.
1945	Hewitt, E. A., Vet Physiology	1971	Stewart, R. M., Computer Science

1972	Wedin, W. F., Agronomy	1992	Bachmann, M. D., An. Ecology
1973	Denisen, E. L., Horticulture	1993	Finnemore, D. K., Phys./Astronomy
1974	Pohm, A. V., Electrical Engr.	1994	Anderson, L. L., Animal Science
1975	Smith, F. G., Botany-Plant Path.	1995	Dolphin, W. E., Zool. & Genetics
1976	Swenson, M. J., Vet. Physiology	1996	Berger, P. J., Animal Science
1977	Cox, D. F., Statistics	1997	Pierson, B. L., Aero./Engr. Mech.
1978	Seagrave, R. C., Chem. Engr.	1998	Willson, L. A., Physics/Astronomy
1979	Willham, R. L., Animal Science	1999	Clem, J. R., Physics/Astronomy
1980	Hammond, E. G., Food Tech	2000	Hill, J. C., Chem. Engr.
1981	Ulmer, M. J., Zoology	2001	Hall, R. B., Forestry
1982	Roderuck, C. E., Food & Nutrition	2002	Lamont, S. J., Animal Science
1983	Vondra, C. F., Earth Sciences	2003	Scanes, C. G., Animal Science
1984	Tiffany, L. H., Bot.-Plant Path.	2004	Murphy, P., Fd. Sci./Human Nut.
1985	Bergles, A. E., Mechanical Engr.	2005	Bailey, T. B., Statistics
1986	Dellmann, H. D., Vet. Anatomy	2006	Birt, D. F., Food. Sci./Human Nut.
1987	Horner, H. T., Botany	2007	Jane, J.-L., Food Sci./Human Nut.
1988	Beitz, D. C., An. Sci./Biochem.	2008	Kraus, G. A., Chemistry
1989	Greimann, P. A., Civil/Const. E.	2009	Woo, L. K., Chemistry
1990	Garcia, P. A., Food & Nutrition	2010	Philip Dixon, Statistics
1991	Reilly, P. J., Chemical Engr.		

**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)**

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>Program (Latest)</u>	<u>Steering Committee</u>	<u>Chair</u>
Anderson, L. L.	1965	Animal Science	1969		1994
Bailey, T. B.	1983	Statistics	1986		2005
Baumann, E. R.	1961	Civil & Const. Engr.	1975		
Beitz, D. C.	1976	Animal Sci./Biochem.	1996	1979-1982	1988
Berger, P. J.	1980	Animal Science	1980	1992-1995	1996
Boylan, D. R.	1960	Chemical Engr.	1961		
David., H. A.	1974	Statistics	1975		
Dellmann, H. D.	1978	Vet. Anatomy	1979	2001-2005	1986
Finnemore, D. K.	1965	Physics & Astronomy	1998	1984-87	1993
Freeman, A. E.	1959	Animal Science	1983	1986-89	
Frey, K. J.	1955	Agronomy	1982		1966
Hall, R. B.	1977	Forestry	1996	1997-2000	2001
Hammond, E. G.	1959	Food Sci./Human Nutr.	1964		1980

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>Program (Latest)</u>	<u>Steering Committee</u>	<u>Chair</u>
Horner, H. T.	1969	Botany	1981	1977-1980	1987
Horowitz, J.	1972	Biochem. & Biophys.	1996		
Jacobson, N. L.	1949	Animal Science	1953		1960
McGee, T. D.	1967	Materials Sci. Engr.	1968	1973-1976	
Okiishi, T. K.	1980	Mech. Engr.	1981		
Peterson, P. A.	1959	Agronomy/Zool/Gen.	1962	1968-1971	
Pierson, B. L.	1977	Aerospace Engr. & Engineering Mechanics	1995	1982-1985	1997
Pletcher, R. H.	1977	Mechanical Engineering	1979	1996-1999	
Pohm, A. V.	1961	Electrical Engr.	1982		1974
Pollak, E.	1975	Statistics	1986		
Read, A. A.	1964	Electrical Engr.	1964		
Reilly, Peter	1979	Zoology & Genetics	1966	2004-2008	
Robertson, D. S.	1959	Chemical Engineering	1999		1991
Ruedenberg, K.	1981	Chemistry	1985		
Seagrave, R. C.	1972	Chemical Engineering	2001		1978
Serovy, G. K.	1961	Mechanical Engineering	1963		
Shaw, R. H.	1957	Agronomy	1958		1961
Smith, F. G.	1950	Botany	1954	1965-1968	1975
Stewart, R. M.	1959	Computer Science	1966		1971
Swenson, M. J.	1960	Vet. Phys. & Pharm.	1966	1970-1973	1976
Swenson, R. W.	1975	Botany	1976		
Tiffany, L. H.	1973	Botany	1984	1984	
Tollefson, J. J.	1977	Entomology	2001	1999-2002	
Trenkle, A. H.	1977	Animal Science	1978	1995-1998	
Vondra, C. F.	1972	Geol. & Atmos. Sci.	1993	1978-1981	1983
Wheelock, T. D.	1967	Chemical Engineering	1968	1993-1996	
Wilder, D. R.	1961	Materials Sci. Engr.	1966		
Willham, R. L.	1969	Animal Science	2002	1976-1979	1979
Willson, L. A.	1977	Physics & Astronomy	1993	1980-1983	1998
Young, D. F.	1962	Aerospace Engr. & Engineering Mechanics	1962	1972-1975	

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

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>Program (Latest)</u>	<u>Steering Committee</u>	<u>Chair</u>
Beattie, G.	2009	Plant Pathology	2009		
Birt, D.	1999	Food Sci/ Human Nutr.	2000	2005-2006	2006
Bonning, B.	2005	Entomology	2006	2007-2010	
Dixon, P. M.	2002	Statistics	2006	2009-2012	2010
Gordon, M.	2008	Chemistry /Ames Laboratory	2008		
Graves, W. R.	2000	Horticulture	1998		
Grewell, D.	2007	Ag. Biosyst. Eng.	2007		

Hill, J. C.	1987	Chemical Engineering	1987		2000
Jane, J.-L.	1990	Food Sci./Human Nutr.	2006	1994-1997; 2005-2006	2007
Jenks, C.	2009	Ames Laboratory	2009		
Jolls, K. R.	1996	Chemical Engineering	2006		
Kraus, G. A.	1988	Chemistry	2003	2004-2008	2008
Reecy, J. M.	2000	Animal Science	2001	2010-2013	
Robyt, J.	Reactivated 2003	Biochemistry, Biophysics and Molecular Biology		2006-2009	
Schnable, P.	2009	Agronomy	2009		
Thiel, P.	2008	Chemistry; Ames Lab	2008		
Topel, D.	2002	Animal Science			
Wang, K.	2008	Agronomy	2008	2009-2012	
Woo, K.	2004	Chemistry	2005	2008-2011	2009

**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.**

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>Program (Latest)</u>	<u>Steering Committee</u>	<u>Chair</u>
Angelici, R. J.	1989	Chemistry	1990		
Dickson, J.	2007	Animal Science	2007		
Doraiswamy, L. K.	1989	Chemical Engineering	1990		
Hogberg M.	2006	Animal Science	2006		
Kawaler, S.	2004	Physics & Astronomy	2004		
Keeney, D. R.	Re-2005	Agronomy	2005		
Lamont, S. J.	1988	Animal Science	2002	1998-2001	2002
Lin, V.	Re-2008	Chemistry	2008		
Martin, R.*	2003	Biomedical Sciences	2002		
McGee, D.*	Re-2004	Plant Pathology			
Miller, W. A.	2008	Plant Path.; Biochemistry	2008		
Minion, C.	2003	Vet. Microbiology & Preventive Medicine			
Morris, M.	2004	Statistics	2004		
Murphy, P. A.	1986	Food Sci. & Human Nutr.	1987		2004
Nikolau, B.	2006	Biochem/Molec. Biology	2007		
Nonnecke, G.	2004	Horticulture	2004		
Pohl, N.	2004	Chemistry	2005		
Pruski, M.	2003	Ames Laboratory	2005		
Rao, G.	2007	Biochem./Molec. Biology			
Rothschild, M. F.	2001	Animal Science	2002		
Rudolphi, T. J.	1996	Aero Eng and Eng M	2000		
Sappington, T.	2006	USDA Ag. Research	2007		
Scott, M. P.*	2005	USDA, ARS/Agronomy	2005		
Sebranek, J.	2007	Animal Science			
Singh, R.	2008	College of Veterinary Med.			
Spurlock, D.	2006	Animal Science	2006		
Spurlock, M.	2006	Food Sci./Human Nutrition	2006		
Sung, S.	2007	Civil, Const. and Envir. Engr.			
Takle, G. S.	1991	Agronomy/Geol. At. Science	1992		
Verkade, J.	2004	Chemistry	2006		
Willson, S. J.*	1994	Mathematics	1995		

\* 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,

M. Morris, N. Pohl, M. Pruski, G. Rao, T. Sappington, R. Singh, J. Verkade

## 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**

First National Bank, Ames, Iowa: Money Market Account No. 73814.

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 over payment 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