

**2007 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

	Melhus, I. E., Botany	1964	Allen, R. S., Biochem.-Biophys.
1921	Wilkinson, J. A., Chemistry	1965	Wilhelm, H. A., Chemistry
1922	Bemis, H. E., Vet. Medicine	1966	Frey, K. J., Agronomy
1923	Wellhouse, W. H., Zoology-Ent.	1967	Dahm, P. A., Zoology-Ent.
1924	Emerson, P. C., Farm Crops-Soils	1968	Maple, C. G., Computation Ctr.
1925	Woodrow, J. W., Physics	1969	Melampy, R. M., Animal Science
1926	Gilman, J. C., Botany	1970	Weiss, H. J., Engr. Mech.-Math.
1927	Burnett, L. C., Farm Crops	1971	Stewart, R. M., Computer Science
1928	Hammer, B. W., Dairy Bact.	1972	Wedin, W. F., Agronomy
1929	Rickey, R. W., Horticulture	1973	Denisen, E. L., Horticulture
1930	Brown, F. E., Chemistry	1974	Pohm, A. V., Electrical Engr.
1931	Lindstrom, W. E., Genetics	1975	Smith, F. G., Botany-Plant Path.
1932	Knight, H. H., Zoology-Ent.	1976	Swenson, M. J., Vet. Physiology
1933	Murray, C., Vet. Research	1977	Cox, D. F., Statistics
1934	Guthrie, J. E., Zoology-Ent.	1978	Seagrave, R. C., Chem. Engr.
1935	Snedecor, G. W., Statistics	1979	Willham, R. L., Animal Science
1936	Lush, J. L., Animal Science	1980	Hammond, E. G., Food Tech
1937	Becker, E. R., Zoology-Ent.	1981	Ulmer, M. J., Zoology
1938	Gilkey, H. J., T. & A. M.	1982	Roderuck, C. E., Food & Nutrit.
1939	Beister, H. E., Vet. Research	1983	Vondra, C. F., Earth Sciences
1940	Harris, H. M., Zoology-Ent.	1984	Tiffany, L. H., Bot.-Plant Path.
1941	Clark, N. A., Chemistry	1985	Bergles, A. E., Mechanical Engr.
1942	Cannon, C. Y., Dairy Husbandry	1986	Dellmann, H. D., Vet. Anatomy
1943	Werkman, C. H., Bacteriology	1987	Horner, H. T., Botany
1944	Holl, D. L., Mathematics	1988	Beitz, D. C., An. Sci./Biochem.

1945	Hewitt, E. A., Vet Physiology	1989	Greimann, P. A., Civil/Const. E.
1946	Richardson, C. H., Zoology-Ent.	1990	Garcia, P. A., Food & Nutrition
1947	Carr, P. H., Physics	1991	Reilly, P. J., Chemical Engr.
1948	Murphy, H. C., Bot.-Farm Crops	1992	Bachmann, M. D., An. Ecology
1949	Bird, E. W., Food Technology	1993	Finnemore, D.K., Phys/Astronomy
1950	Loomis, W. E., Botany	1994	Anderson, L. L., Animal Science
1951	Earls, L. T., Physics	1995	Dolphin, W. E., Zool. & Genetics
1952	Buchanan, R. E., Bacteriology	1996	Berger, P. J., Animal Science
1953	Hendrickson, G. O., Zoology-Ent.	1997	Pierson, B. L., Aero./Engr. Mech.
1954	Gwynne, C. S., Geology	1998	Willson, L.A., Physics/Astronomy
1955	Murphy, G., Nuclear Eng.	1999	Clem, John R., Physics/Astronomy
1956	Bakke, A. L., Botany	2000	Hill, James C., Chem. Engr.
1957	Hamilton, H. L., Zoology-Ent.	2001	Hall, Richard B., Forestry
1958	Craft, W. A., Animal Science	2002	Lamont, Susan J., Animal Science
1959	Fox, G. W., Physics	2003	Scanes, Colin G., Animal Science
1960	Jacobson, N. L., Dairy Science	2004	Murphy, P., Fd Sci/Human Nutrit.
1961	Shaw, R. H., Agronomy	2005	Bailey, T. B. Statistics
1962	Kirkham, D., Agronomy-Physics	2006	Birt, Diane F. Fd. Sci./Human Nut.
1963	Tauber, O. E., Zoology	2007	Jane, Jay-lin, Fd Sci/Human Nutrit

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

George Kraus Chemistry (2007)
Peter Reilly Chemical Engineering (2008)
John Robyt Biochemistry, Biophysics and Molecular Biology (2009)
Bryony Bonning Entomology (2010), new
Keith Woo Chemistry (2011), new

V. Life members, with 25 or more years of membership (elected 1982 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
Baumann, E. R.	1961	Civil & Const. Engr.	1975		
Beitz, D. C.	1976	Animal Sci. / Biochem.	1996	1979-82	1988
Berger, P. J.	1980	Animal Science	1980	1992-95	1996
Boylan, D. R.	1960	Chemical Engr.	1961		
Cox, D. F.	1963	Statistics	1983	1975-78 2001-04	1977
David., H. A.	1974	Statistics	1975		
Dellmann, H. D.	1978	Vet. Anatomy	1979	2001-2005	1986
			Program	Steering	

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>(Latest)</u>	<u>Committee</u>	<u>Chair</u>
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
Horner, H. T.	1969	Botany	1981	1977-80	1987
Horowitz, J.	1972	Biochem. & Biophys.	1996		
Jacobson, N. L.	1949	Animal Science	1953		1960
McGee, T. D.	1967	Mat. Sci. Engr.	1968	1973-76	
Okiishi, T. K.	1980	Mech. Engr.	1981		
Peterson, P. A.	1959	Agronomy / Zool/Gen.	1962	1968-71	
Pierson, B. L.	1977	Aero Engr & Engr Mech	1995	1982-85	1997
Pletcher, R. H.	1977	Mech. Engr.	1979	1996-99	
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		
Robertson, D. S.	1959	Chemical Engineering	1999	2004-2008	1991
Ruedenberg, K.	1981	Chemistry	1985		
Seagrave, R. C.	1972	Chem. Engr.	2001		1978
Serovy, G. K.	1961	Mech. Engr.	1963		
Shaw, R. H.	1957	Agronomy	1958		1961
Smith, F. G.	1950	Botany	1954	1965-68	1975
Stewart, R. M.	1959	Computer Science	1966		1971
Swenson, C. A.	1980	Physics & Astronomy	1983		
Swenson, M. J.	1960	Vet. Phys. & Pharm.	1966	1970-73	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	1995-98	
Vondra, C. F.	1972	Geol. & Atmos. Sci.	1993	1978-81	1983
Wheelock, T. D.	1967	Chemical Engr.	1968	1993-96	
Wilder, D. R.	1961	Mat. Sci. Engr.	1966		
Willham, R. L.	1969	Animal Science	2002	1976-79	1979
Willson, L. A.	1977	Physics & Astronomy	1993	1980-83	1998
Young, D. F.	1962	Aero E. & Engr. Mech.	1962	1972-75	

VI. Active Members [attendance at 3 of the 9 meetings per calendar year (2007)].

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>Program (Latest)</u>	<u>Steering Committee</u>	<u>Chair</u>
Bailey, T. B.	1983	Statistics	1986		2005
Birt, Diane	1999	Food Sci/ Human Nutr.	2000	2005-2006	2006
Bonning, Bryony	2005	Entomology	2006	2007-2009	
Dickson, Jim	2007	Animal Science	2007		
Ellinwood, Mathew	2006	Animal Science	2007		
Graves, W.R	2000	Horticulture	1998		
Grewell, David	2007	Ag. Biosyst. Eng.	2007		
Hill, J. C.	1987	Chemical Engr.	1987		2000
Hogberg Maynard	2006	Animal Science	2006		
Jane, J.-L.	1990	Food Sci./Human Nutr.	2006	1994-97 2005-06	2007
Jolls, K. R.	1996	Chem. Engr.	2006		
Kraus, G. A.	1988	Chemistry	1990	2004-2007	2008
Lamont, S. J.	1988	Animal Science	2002	1998-2001	2002
Morris, Max	2004	Statistics	2004		
Nonnecke, Gail	2004	Horticulture	2004		
Pruski, Marek	2003	Ames Lab	2005		
Rao, Guru	2007	Biochemistry, Biophysics and Molecular Biology			
Robynt, John	Reactivated 2003	Biochemistry, Biophysics and Molecular Biology			
Sappington, Thomas	2006	USDA Ag. Research	2007		
Sebranek, Joe	2007	Animal Science			
Sung, Shihwu	2007	Civil, Const. and Envir. Engr.			
Topel, David	2002	Animal Science			
Verkade, John	2004	Chemistry	2006		
Woo, Keith	2004	Chemistry	2005		

**VII. Associate Members [attended fewer than three meetings during the calendar year (2007)].
This group receives meeting announcements, but does not vote for members or officers.
* indicates members who need to attend at least one meeting in 2008 to remain members.**

<u>Name</u>	<u>Elected</u>	<u>Department</u>	<u>Program (Latest)</u>	<u>Steering Committee</u>	<u>Chair</u>
Andreason, Claire*	2003	Veterinary Pathology	2004		
Angelici, R.J.	1989	Chemistry	1990		
Dekkers, J. C.*	2000	Animal Science	2001		
Dixon, Philip M.	2002	Statistics	2006		
Doraiswamy, L. K.	1989	Chem. Engr.	1990		
Garcia, P. A.	1985	Food Sci./Human Nutr.	1986		1990
Hill, John	Re-2003	Plant Pathology	2000		
Kawaler, Steve	2004	Physics & Astronomy	2004		
Keeney, D.R.	Reactiva ted 2005	Agronomy	2005		
MacDonald, R.S.	2005	Food Sci. & Human Nutr.	2005		
Martin, Richard	2003	Biomedical Sciences	2002		
McGee, Dennis	Re-2004	Plant Pathology			
Minion, Chris*	2003	Veterinary Microbiology & Preventive Medicine			
Moon Harley*	2003	Veterinary Pathology			
Murphy, P.A.	1986	Food Sci. & Human Nutr.	1987		2004
Nikolau, Basil	2006	Biochem/ Molec. Biology	2007		
Nolan, L.K.*	2005	Biomedical Sciences	2006		
Pohl, Nicola	2004	Chemistry	2005		
Reecy, J.M.	2000	Animal Science	2001		
Richt, Jurgen A.	2002	VMPM, NADC	2003		
Rothschild, M. F.	2001	Animal Science	2002		
Rudolphi, T.J.	1996	Aero Eng and Eng M	2000		
Scott, M. P.	2005	USDA, ARS/Agronomy	2005		
Snyder, John E.*	2002	Ames Lab			
Spurlock, Diane	2006	Animal Science	2006		
Spurlock, Michael	2006	Food Sci./Human Nutrition	2006		
Takle, G.S.	1991	Agronomy/Geol.At. Science	1992		
Tipton, Carl*	2003	Biochemistry, Biophysics, & Molecular Biology			
Willson, S. J.	1994	Mathematics	1995		

VIII. Changes to membership in 2007

- A. **New Members:** David Grewell, James Dickson, Guru Rao, Shihwu Sung, and Joseph Sebranek

Resigned (rs), moved (m), deceased (d), or dropped (dr) [Associate members dropped because they attended no meetings in 2006 and 2007]: Lee Alekel (dr), Arun Barua (dr), C.E. Ekberg (d), Xun Gu (dr), Carolyn Komar (m), Mark Kushner (dr), Victor Lin (dr), Steve Martin (dr), R.G. Rajagopalan (dr), D.L. Reynolds (dr), Mike. Wannemuehler (dr).

- B. **To Life Membership [elected 1982 or before]:** None.

- C. **Associate to Active [by attending 3 meetings]:** Graves, William R.; Kraus, George A.; Morris, Max; Nonnecke, Gail; Pruski, Marek; Verkade, John
- D. **Active to Associate [by not attending 3 meetings]:** Dixon, Philip M.; Garcia, Pilar A.; Keeney, Dennis R.; Nikolau, Basil; Richt, Juergen A.; Scott, M. Paul; Spurlock, Diane; Spirlock, Mike
- E. **Re-activated:** None

IX. Dinner Lecture Programs presented during 2007

- | | |
|--------------|--|
| January 08 | N. Matthew Ellinwood
Genetic Disease in Dogs and Cats; Benefits to Both Animals and Humans |
| February 12 | Lee Anne Willson
What is a Planet, and Why is Pluto no Longer a Member of the Club? |
| March 19 | Robert Brown
ISU's Bioeconomy Initiative |
| April 9 | Basil Niklou
What can astronomy teach biology? |
| May 14 | Dennis Olson
Animal Science: Irradiation Update |
| September 10 | David Grewell
High Power Ultrasonics: Equipment, Key Concepts and Applications |
| October 08 | James Dickson
Foodborne Disease in the United States |
| November 12 | Thomas Sappington
Ghost riders in the sky: understanding insect dispersal by flight (and why we care) |
| December 10 | Donald Beitz
Clinical Use of Stem Cells |

X. Financial statement, balance as of December 31, 2007

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

Starting Balance: \$1000.02

Year-end balance for 2007: \$1,181.13

The year-end balance represents the funds on deposit at the bank, corrected for the amount of checks, written in January for payment of the Memorial Union for the December meeting meals and associated costs, which had been billed by year-end.

The dinner fee was maintained at \$20.00 in 2007 to cover the costs of meals and media equipment usage fees and the dinner cost for the speaker. The chair brought projector and pointer, and 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 May. 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 nine 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, Carolyn Komar, resigned and left Iowa State, we elected two new members, Bryony Bonning and Keith Woo. 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.

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 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 2006, the amount charged for the dinner was raised from \$18.00 per person to \$20.00.

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 first 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 a bit outside of our usual disciplinary boxes. I had tremendous support from the outgoing 2006 chairperson, Diane Birt. Diane 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. Tammi Martin of Center for Crops Utilization Research for her professional assistance on handling member registrations, voting, and preparation of meeting material through the year.

In the year 2007, we had nomination and election of 5 new members of the Osborn Research Club, and we had total of 45 Life Members, 24 Active Members, and 29 Associate Members as we go into 2008. We were very pleased that six associate members returned to active status at the end of 2008, and eight active members went to associate status resulting from attending fewer than 3 meetings this year. I gave great credit to our membership for the increased number of associate members returned to active status and decreased number from active to associate members. These trends were very encouraging. Despite the fact that everyone had overly full schedules and we had to compete with some lectures of Presidential candidates, we had average meeting attendance of 29 members, slightly more than previous years, which was also encouraging. Next year's speaker line-up will be excellent, and I sincerely hope that the attendance will be significantly increased in 2008. The number of new members (five) elected in 2007 was smaller than that of the previous years. We need to put more efforts on actively

recruiting new members in 2008.

I propose we continue to try in 2008 to follow earlier chairs' suggestions to keep the club strong and vital, continuing its excellent tradition of 88 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 2008 chairperson, George Kraus, 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 2008.

Respectfully submitted,

Jay-lin Jane
Chairperson, 2007