

**2002 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	1944	Holl, D. L., Mathematics
1921	Wilkinson, J. A., Chemistry	1945	Hewitt, E. A., Vet Physiology
1922	Bemis, H. E., Vet. Medicine	1946	Richardson, C. H., Zoology-Ent.
1923	Wellhouse, W. H., Zoology-Ent.	1947	Carr, P. H., Physics
1924	Emerson, P. C., Farm Crops-Soils	1948	Murphy, H. C., Bot.-Farm Crops
1925	Woodrow, J. W., Physics	1949	Bird, E. W., Food Technology
1926	Gilman, J. C., Botany	1950	Loomis, W. E., Botany
1927	Burnett, L. C., Farm Crops	1951	Earls, L. T., Physics
1928	Hammer, B. W., Dairy Bact.	1952	Buchanan, R. E., Bacteriology
1929	Rickey, R. W., Horticulture	1953	Hendrickson, G. O., Zoology-Ent.
1930	Brown, F. E., Chemistry	1954	Gwynne, C. S., Geology
1931	Lindstrom, W. E., Genetics	1955	Murphy, G., Nuclear Eng.
1932	Knight, H. H., Zoology-Ent.	1956	Bakke, A. L., Botany
1933	Murray, C., Vet. Research	1957	Hamilton, H. L., Zoology-Ent.
1934	Guthrie, J. E., Zoology-Ent.	1958	Craft, W. A., Animal Science
1935	Snedecor, G. W., Statistics	1959	Fox, G. W., Physics
1936	Lush, J. L., Animal Science	1960	Jacobson, N. L., Dairy Science
1937	Becker, E. R., Zoology-Ent.	1961	Shaw, R. H., Agronomy
1938	Gilkey, H. J., T. & A. M.	1962	Kirkham, D., Agronomy-Physics
1939	Beister, H. E., Vet. Research	1963	Tauber, O. E., Zoology
1940	Harris, H. M., Zoology-Ent.	1964	Allen, R. S., Biochem.-Biophys.
1941	Clark, N. A., Chemistry	1965	Wilhelm, H. A., Chemistry
1942	Cannon, C. Y., Dairy Husbandry	1966	Frey, K. J., Agronomy
1943	Werkman, C. H., Bacteriology	1967	Dahm, P. A., Zoology-Ent.
1968	Maple, C. G., Computation	1986	Dellmann, H. D., Vet. Anatomy

Center	
1969	Melampy, R. M., Animal Science
1970	Weiss, H. J., Engr. Mech.-Math.
1971	Stewart, R. M., Computer Science
1972	Wedin, W. F., Agronomy
1973	Denisen, E. L., Horticulture
1974	Pohm, A. V., Electrical Engr.
1975	Smith, F. G., Botany-Plant Path.
1976	Swenson, M. J., Vet. Physiology
1977	Cox, D. F., Statistics
1978	Seagrave, R. C., Chem. Engr.
1979	Willham, R. L., Animal Science
1980	Hammond, E. G., Food Tech
1981	Ulmer, M. J., Zoology
1982	Roderuck, C. E., Food & Nutrit.
1983	Vondra, C. F., Earth Sciences
1984	Tiffany, L. H., Bot.-Plant Path.
1985	Bergles, A. E., Mechanical Engr.
1987	Horner, H. T., Botany
1988	Beitz, D. C., An. Sci./Biochem.
1989	Greimann, P. A., Civil/Const. E.
1990	Garcia, P. A., Food & Nutrition
1991	Reilly, P. J., Chemical Engr.
1992	Bachmann, M. D., Animal Ecology
1993	Finnemore, D.K., Phys/Astronomy
1994	Anderson, L. L., Animal Science
1995	Dolphin, W. E., Zoology & Genetics
1996	Berger, P. J., Animal Science
1997	Pierson, B. L., Aero./Engr. Mech.
1998	Willson, L.A., Physics/Astronomy
1999	Clem, John R., Physics/Astronomy
2000	Hill, James C., Chem. Engr.
2001	Hall, Richard B., Forestry
2002	Lamont, Susan J., Animal Science

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

Tollefson, J.	Entomology (2002)
Murphy, P. A.	Food Sci/Human Nutr. (2003)
Cox, D. F.	Statistics (2004)
Dellman, D.	Veterinary Anatomy (2005)

**IV. Life members, with 25 or more years of membership (elected 1977 or before)**

Name	Elected	Department	Program (Latest)	Steering Committee	Chair
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
Boylan, D. R.	1960	Chemical Engr.	1961		
Cox, D. F.	1963	Statistics	1983	1975-78 2001-04	1977
David., H. A.	1974	Statistics	1975		
Ekberg, C. E.	1962	Civil & Const. Engr.	1965		
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
Hollander, W. F.	1953	Zoology & Genetics	1976		
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	
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		
Robertson, D. S.	1959	Zoology & Genetics	1966		
Roderuck, C. E.	1973	Food Sci/Human Nutr.	1974		1982
Rowley, W. A.	1973	Entomology	1982	1982-84	
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, 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 (2002)].**

<b>Name</b>	<b>Elected</b>	<b>Department</b>	<b>Program (Latest)</b>	<b>Steering Committee</b>	<b>Chair</b>
Bailey, T. B., Jr.	1983	Statistics	1986		
Berger, P. J.	1980	Animal Science	1980	1992-95	1996
Birt, D.	1999	Food Sci/HN			
Dekkers, J. C.	2000	Animal Science	2001		
Dellmann, H. D.	1978	Vet. Anatomy	1979		1986
Garcia, P. A.	1985	Food Sci./Human Nutr.	1986		1990
Dixon, Philip M.	2002	Statistics			
Hill, J. C.	1987	Chemical Engr.	1987		2000
Hong, Mei	2002	Chemistry			
Jane, J.-L.	1990	Food Sci./Human Nutr.	1991	1994-97	
Jolls, K. R.	1996	Chem. Engr.	1996		
Kelly, J. Michael	1998	Forestry Department	1999		
Lamont, S. J.	1988	Animal Science	2002	1998-2001	2002
Martin, R.J.	2001	Biomedical Science	2002		
Murphy, P. A.	1986	Food Sci. Human Nutr.	1987	2000-2003	
Myers, Alan	2002	Bioch/Bioph			
Narasimhan, Balaji	2002	Chemical Engineering			
Okiishi, T. K.	1980	Mech. Engr.	1981		

Rajagopalan, R. Ganesh	2002	Aero E. & Engr. Mech.			
Reecy, J. M.	2000	Animal Science	2001		
Reilly, P. J.	1979	Chem. Engr.	1999	1987-90	1991
Richt, Jurgen A.	2002	VMPM, NADC			
Ross, R. F.	1991	Micro. Imm. Prev. Med.	1973		
Ruedenberg, K.	1981	Chemistry	1985		
Russell, A. M.	2000	Material Science/Engr.	2000		
Scanes, C. G.	1996	Animal Science	1997		
Snyder, John E.	2002	Ames Laboratory			
Swenson, C. A.	1980	Physics & Astronomy	1983		
Topel, David	2002	Animal Science			
Youngquist, G. R.	1987	Chem. Engr.	1989		

**VII. Associate Members [attended less than three meetings during the calendar year (2002)]. This group receives meeting announcements, but does not vote for members or officers.**

**\* indicates members who need to attend at least one meeting in 2003 to remain members.**

Name	Elected	Department	Program (Latest)	Steering Committee	Chair
Angelici, R. J.	1989	Chemistry	1990		
Chimenti, D. E.	2000	Aero. Eng & Eng. M.	2000		
Clem, J. R.	1989	Physics & Astronomy	1990		1999
Dolphin, W. D.	1980	Zoology & Genetics	1995		1995
Duvick, D. N.	1992	Agronomy	1995		
Doraiswamy, L. K.	1989	Chem. Engr.	1990		
Graves, W. R.	2000	Horticulture	1998		
Greimann, L. F.	1985	Civil & Constr. Engr.	1987		1989
Hart, E. R.	1990	Entomology	1991		
Horst, R. L.	1994	Animal Science, NADC	1996		
Keeney, D. R.	1991	Agronomy	1992		
Kraus, G. A.	1988	Chemistry	1990		
Mallapragada, S.K.	2000	Chemical Engineering	2000		
Marple, D. N.	1994	Animal Science			
Martin, S. W.	2002	Material Science/Engr.	2001		
Parrish, F. C.	1998	Animal Science	1999		
Rothschild, M. F.	2001	Animal Science	2002		
Rudolphi, T. J.	1996	Aero. Eng. & Eng. M.	2000		
Sell, J. L.	1978	Animal Science	1979		
Switzer, Wm.	1998	Veterinary College			
Takle, E. S.	1991	Agronomy /Geol. At. Sci.	1992		
White, P. J.	1989	Food Sci. Human Nutr.	1989		
Willson, S. J.	1994	Mathematics	1995		
Windom, K. E.	1982	Geol. & Atmos. Sci.	1988		
Zaffarano, D. J.	1976	Physics & Astronomy	1980		

## VIII. Changes to membership in 2001

- A. New Members: P. Dixon, M. Hong, A. Myers, B. Narasimhan, R. G. Rajagopalan, J. A. Richt, J. E. Snyder and D. Topel
- B. Resigned (Irs), moved (m), deceased (d), or dropped (dr): Associate members dropped because they attended no meetings in 2001 or 2002: T. A. Austin (dr), J. P. Basart (dr), R. C. Brown (dr), K. Carlander (d), R. W. Dougherty (d), D. L. Harris (dr), W. Klieman (dr), W. P. Lord (dr), J. P. Mahlstede (d), D. C. McGee (dr), F. J. Rizzon (dr), P. Paul (m), J.B. Swan (m), P. B. Swan (m), D. R. Zimmerman (m).
- C. To Life Membership: R. B. Hall, B. L. Pierson, R. H. Pletcher, J. J. Tollefson, A. H. Trenkle, and L. A. Willson
- D. Associate to Active: D. Birt, G. R. Youngquist
- E. Active to Associate: D. Chimenti, W. Dolphin, W. R. Graves, E. R. Hart, S. W. Martin, F. C. Parrish, M. F. Rothschild, W. Switzer, E. Takle, S. J. Willson, K. E. Windom

## IX. Dinner Programs presented during 2002:

Month	Speaker	Title
January	Gregory Geoffroy, President Iowa State University	<i>Promoting Excellence Within the Land Grant Mission via High Impact Interdisciplinary Initiatives</i>
February	Dr. Susan J. Lamont, Professor and Head Department of Animal Science President, Osborn Research Club	<i>Utilizing Unique Genetic Resources to Answer Genetic Questions</i>
March	Dr. Richard Willham Distinguished Professor Emeritus Department of Animal Science	<i>The Osborn Research Club: Celebrate the Rich Past and the Exciting Future</i>
April	Dr. Richard Martin, Professor and Chair Biomedical Sciences	<i>The Worm Can Turn: Pharmacology of Nematode Muscle</i>
May	Dr. Paul Canfield Department of Physics and Astronomy	<i>Superconductivity Among Light-Weights: Fun and Games with MgB2</i>

September	Catherine Woteki, Dean College of Agriculture	<i>Toward a Risk-Based Food Safety System</i>
October	Dr. Valerie Sheares Ashby Department of Chemistry	<i>New Polymer-Quasicrystal Composits</i>
November	Dr. Carolyn Komar Department of Animal Science	<i>Peroxisome Proliferator- Activated Receptors and Ovarian Function</i>
December	Dr. Max Rothschild Department of Animal Science	<i>Discovery and Use of Genes Influencing Economically Important Traits in the Pig</i>

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**X. Financial statement, balance as of December 31, 2002**

First National Bank, Ames, Iowa: Hi-Fi Money Market Account No 73184.

Year-end balance for 2002: \$1,187.33

Interest income in 2002: \$15.45

The year-end balance represents the funds on deposit at the bank, corrected for the amount of one check, written in late December for payment of the Memorial Union for the December meeting meals, which had not posted to the bank account by year-end.

Given the attendance level at the meetings in 2002, at the \$12.00 dinner fee approved by the membership in 2001, we were able to keep a stable financial picture through 2002. Our dinner fee will have been the same (\$12.00) for two years. However, the Memorial Union raised the dinner price in September 2002 from \$11.21 to \$11.79 per dinner (\$10.25 plus 15% service charge). At this dinner price and fee structure, each attendee only contributes \$0.21 to the payment of the "speaker's expenses" of the meeting -- the dinner fee for the speaker and the media charge. Under the current price structure, every single member of the club would need to attend each future meeting for the club to break even. (This is an excellent attendance goal, but overly optimistic.) Because of the increase in the Union's dinner price in September 2002, the 2003 Steering Committee should consider bringing to a vote of the membership an increase in the dinner fee, to begin in September 2003, in order to adequately cover future meeting costs on a break-even basis. The meetings in the first half of 2003 will run slightly in the red.

## **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 the Friday prior to the Monday meeting. Members are liable for reservations not canceled by noon the Friday before the meeting.

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. 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 on campus one year, or be transferring from another organization where they were responsible for their own research program.

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 2001, the amount charged for the dinner was raised from \$11.00 per person to \$12.00.

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**

It is appropriate for me to begin my remarks with expressions of appreciation to many people. We had an incredible line-up of speakers, including long-term and relatively new Osborn Research Club members, new research faculty (potential new members of Osborn in the future) and top administrators of Iowa State University. Each speaker gave an excellent 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 outstanding support from the outgoing 2001 chairperson, Rick Hall. He passed well-organized records and good suggestions to me, which eased my transition into the role of chairperson. The Steering Committee members (Dave Cox, Dieter Dellman, Pat Murphy, Jon Tollefson) provided excellent support in the form of suggestions for speakers and in serving as the nominating committee. Dave Cox also ably assumed the duties of meeting host for multiple times during the year when I was out of the state or country on professional travel.

The year 2002 showed two very positive trends for the Osborn Research Club. Average meeting attendance jumped! At 33 attendees, this year's average is a full two participants higher than that of the previous three years. I attribute this increased meeting attendance to the quality of the speakers and the dedication of the club members. Next year's speaker line-up will also be excellent and I am convinced that the membership can show the same dedication in attendance in 2003 that it has throughout 2002. It would be great to average five full tables (40 attendees) at every meeting! Another highlight is the nomination and election of eight new members of the Osborn Research Club, again a promising trend for the club. I look forward to interacting with the new club members, as I'm sure you all do. The nominators deserve our thanks for bringing these new participants into club membership.

A continuing negative trend is one that is not new for the club, and is probably not unique for our organization. That trend is the percentage attendance by our members. Certainly, part of this we can attribute to the overly full schedules that many professionals have nowadays, with many competing demands for our time. But the 33 average attendance



means that less than one-third of our membership, on average, attends any meeting. There were 34 members who did not attend a single meeting in 2002. Twelve associate members were dropped from the roll because they did not attend a single meeting in 2 years. Several of these former members had moved, but others are still here in Ames. And another 11 members were moved from active status to associate status because they were not at the required minimum of three meetings during the year.

What do I propose to keep the club strong and vital, continuing its excellent tradition of 83 years? Let's keep in mind the many benefits that we derive from club membership (pleasant conversation with colleagues that we likely would not otherwise meet, an interesting presentation and a stimulating follow-up discussion) and then let's each commit ourselves to the following:

1. Attend the minimum of 3 meetings per year that are required for the active membership category, regardless of your present membership category.
2. Once during the year 2003, invite a guest to the meeting. Think of the new faculty members in your department (cultivate them for future membership), long-time colleagues who are not members, a postdoc or visiting scientist in your research group, or maybe a scientist or engineer in your neighborhood.
3. Once during the year 2003, contact a life member who you know but you haven't seen at meetings recently and arrange to attend the next meeting together. Some of our life members are our most faithful attendees, but others would find it helpful to have someone offer transportation to and from the meeting.
4. Each active and life member should be first or second nominator for at least one new member. Think of the benefits that you derive from the club and which members of your department would also benefit from these same things. (For your reference, a nomination form is attached. Please contact the chairperson to get the template in an electronic file, and submit the form to the chairperson by email, as well as submitting one original, signed nomination.) Remember, the only way that we can increase club membership is through the active nomination process by current members!

I am confident that the club will thrive with the leadership of the 2003 chairperson, Colin Scanes, 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 2003.

Respectfully submitted,

Susan J. Lamont  
Chairperson, 2002