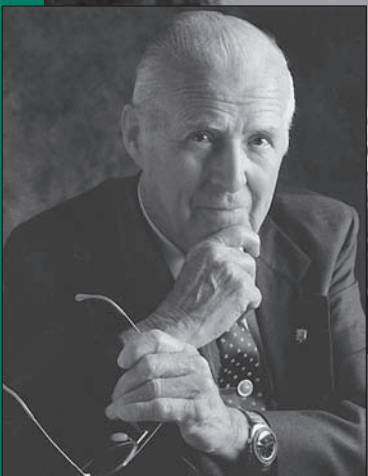
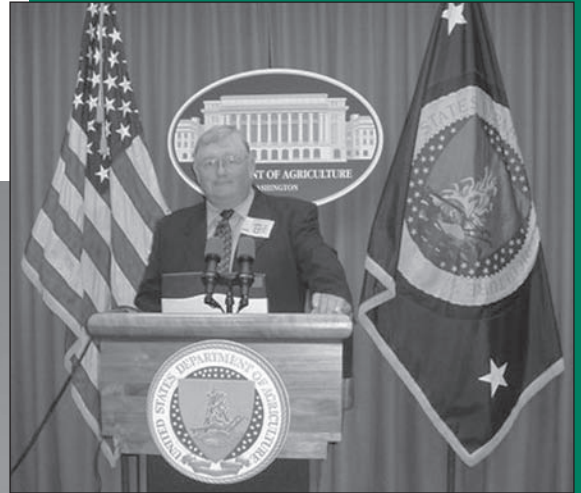


Annual Report 2005



CAST Commentary
QTA 2005-1 July 2005

Adventitious Presence: Inadvertent Commingling and Coexistence among Farming Methods

CAST
The Science Source for Food, Agricultural, and Environmental Issues

CAST Commentary
QTA 2005-1 October 2005

Crop Biotechnology and the Future of Food: A Scientific Assessment

CAST
The Science Source for Food, Agricultural, and Environmental Issues

CAST Board of Directors



Donald C. Beitz
President



Edward C. A. Runge
President-Elect



Stanley M. Fletcher
Past President



Edward A. Hanlon
Treasurer



John M. Bonner
Executive
Vice President

List as of
December 31, 2005



www.cast-science.org

Executive Committee

President: Donald C. Beitz, Iowa State University, Ames;
President-Elect: Edward C. A. Runge, Texas A&M University, College Station; **Past President:** Stanley M. Fletcher, University of Georgia, Griffin; **Treasurer:** Edward A. Hanlon, University of Florida, Immokalee
Representatives: Alan W. Bell, Cornell University, Ithaca, New York; Wayne C. Coates, University of Arizona, Tucson; James R. Martin, University of Kentucky, Lexington; R. B. Sleeth, Paradise Valley, Arizona
Executive Vice President: John M. Bonner, CAST, Ames, Iowa

Representatives of Member Societies

AACC International: Representative not appointed
American Academy of Veterinary and Comparative Toxicology: William C. Edwards, Oklahoma State University, Stillwater
American Agricultural Economics Association: Mechel S. Paggi, California State University, Fresno
American Association for Agricultural Education: Dale Layfield, Clemson University, South Carolina
American Association of Avian Pathologists: Steven Clark, Alpharma Animal Health Division, West Jefferson, North Carolina
American Association of Pesticide Safety Educators: Robert Wolf, Kansas State University, Manhattan
American Board of Veterinary Toxicology: William C. Edwards, Oklahoma State University, Stillwater
American Dairy Science Association: Harold Swaisgood, North Carolina State University, Raleigh
American Forage and Grassland Council: Marvin H. Hall, Pennsylvania State University, University Park
American Meat Science Association: Elizabeth Boyle, Kansas State University, Manhattan
American Meteorological Society Committee on Agricultural and Forest Meteorology: Joyce F. Strand, University of California, Davis

American Peanut Research and Education Society: John P. Beasley, Jr., University of Georgia, Tifton
American Phytopathological Society: Turner B. Sutton, North Carolina State University, Raleigh
American Society for Horticultural Science: Stephen Wallner, Colorado State University, Fort Collins
American Society for Nutritional Sciences: Marla Reicks, University of Minnesota, St. Paul
American Society of Agricultural and Biological Engineers: David B. Beasley, North Carolina State University, Raleigh
American Society of Agronomy: Todd A. Peterson, Pioneer Hi-Bred International, Johnston, Iowa
American Society of Animal Science: Mark J. Estienne, Virginia Tech, Tidewater Agricultural Research and Extension, Suffolk

American Society of Plant Biologists: Gary H. Heichel, Martinsburg, West Virginia
American Veterinary Medical Association: Lyle P. Vogel, American Veterinary Medical Association, Schaumburg, Illinois
Aquatic Plant Management Society: Jim Petta, Syngenta, New Braunfels, Texas
Association for the Advancement of Industrial Crops: Michael A. Foster, Texas A&M Research Station, Stillwater, Oklahoma
Association of American Veterinary Medical Colleges: Ralph C. Richardson, Kansas State University, Manhattan
Council of Entomology Department Administrators: Z.B. Mayo, University of Nebraska, Lincoln
Crop Science Society of America: Henry L. Shands, USDA-ARS, Fort Collins, Colorado
Institute of Food Technologists: Fred Shank, Institute of Food Technologists, Washington, D.C.
North American Colleges and Teachers of Agriculture: Jeannette A. Moore, North Carolina State University, Raleigh
North Central Weed Science Society: Kassim Al-Khatib, Kansas State University, Manhattan
Northeastern Weed Science Society: Robert D. Sweet, Cornell University, Ithaca, New York
Poultry Science Association: Nickolas G. Zimmermann, University of Maryland, College Park
Rural Sociological Society: Craig K. Harris, Michigan State University, East Lansing
Society for In Vitro Biology: Todd J. Jones, BASF Plant Science, Research Triangle Park, North Carolina
Society of Nematologists: Judy A. Thies, Charleston, South Carolina
Soil Science Society of America: Representative not appointed
Southern Weed Science Society: Peter A. Dotray, Texas Tech University, Lubbock
Weed Science Society of America: James J. Kells, Michigan State University, East Lansing
Western Society of Weed Science: Rodney G. Lym, North Dakota State University, Fargo

Individual Member Representative

Lorna Michael Butler, Iowa State University, Ames

Board Ex Officio Members

Agricultural Institute of Canada: Evans N. Estabrooks, New Maryland, New Brunswick, Canada
American Institute of Biological Sciences: Richard T. O'Grady, Washington, D.C.
Association of Research Directors: P. S. Benepal, U.S. Department of Agriculture, Colonial Heights, Virginia; Samuel Donald, University of Maryland, Princess Anne

Publications

Global Risks of Infectious Animal Diseases, Issue Paper 28, February.

Recent outbreaks of bovine spongiform encephalopathy (mad cow disease), West Nile virus, foot-and-mouth disease in swine, and avian influenza have made headlines and are of concern not only for significant economic costs but also for the potential to “cross-over” to humans. This Issue Paper reviews the history and outlines the potential impacts that such diseases will have throughout the world. Coauthors: James Pearson, International Consultant, Ames, Iowa; and M. D. Salman, Colorado State University, Fort Collins.

El riesgo de las enfermedades animales infecciosas, Issue Paper 28SPA.

Spanish translation of *Global Risks of Infectious Animal Diseases*.

Agricultural Ethics, Issue Paper 29, February.

What exactly makes something “right” or “wrong”? And, in the agricultural–environmental arena, who makes those decisions; how are such determinations made; and how are research, policies, and other players affected? These and related questions increasingly impact agricultural research and policy directions and provide the framework for this Issue Paper. Chair: Jeffrey Burkhardt, University of Florida, Gainesville.

Adventitious Presence: Inadvertent Commingling and Coexistence among Farming Methods, CAST Commentary QTA2005-1, July.

Adventitious presence refers to the unintended commingling of trace amounts of one type of seed, or seed product, with another. Although this process can occur with conventionally bred crops, adventitious presence is more commonly regarded as the presence of genetically engineered seed and product in nongenetically modified material. This document provides a framework to discuss development of a science-based policy for adventitious presence. Coauthors: Drew L. Kershen, University of Oklahoma; and Alan McHughen, University of California, Riverside.

Presencia adventicia: mezcla inadvertida y coexistencia entre métodos de cultivo, CAST Commentary QTA2005-1SPA.

Spanish translation of *Adventitious Presence: Inadvertent Commingling and Coexistence among Farming Methods*.

Metabolic Modifiers for Use in Animal Production, Issue Paper 30, July.

Third in a nine-part series on “Animal Agriculture’s

Future through Biotechnology,” this paper examines metabolic modifiers—compounds that alter the physiology and metabolism of animals in specific ways to improve efficiency of meat and milk production, and in certain instances, to improve yield and composition of animal-derived products—and describes the classification, characteristics, effects, and status of approval worldwide. Coauthors: Donald H. Beermann, University of Nebraska, Lincoln; and Frank Dunshee, Department of Primary Industries, Werribee, Victoria, Australia.

Crop Biotechnology and the Future of Food: A Scientific Assessment, CAST Commentary QTA2005-2, October.

Transgenic varieties of crops have been consumed by humans and animals in most countries, so a prodigious amount of data and observation is available to judge their safety and usefulness. This Commentary weighs hypothetical hazards voiced by activist critics against available scientific experience with transgenic crops. Coauthors: Bruce M. Chassy, University of Illinois, Urbana; Wayne A. Parrott, University of Georgia; and Richard Roush, University of California, Davis.

La biotecnología de los cultivos y el futuro de los alimentos: una contribución científica, CAST Commentary QTA2005-2SPA, October.

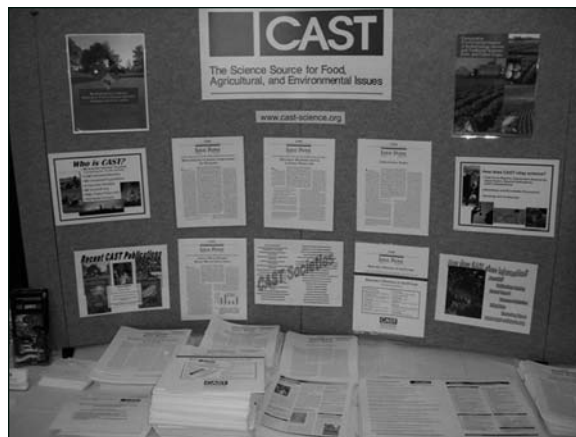
Spanish translation of *Crop Biotechnology and the Future of Food: A Scientific Assessment*.

NewsCAST Newsletter Vol. 32, No. 1—Spring/Summer 2005

NewsCAST Newsletter Vol. 32, No. 2—Autumn/Winter 2005

2004 Annual Report, Published September 2005

Publications Catalog, Updated November 2005

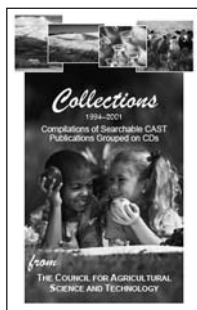


Display of CAST publications at the Fall Board Meeting.

Publications on the CAST website: www.cast-science.org
Click on "Publications"

2005 Highlights

The Year at a Glance



- CAST began offering “CD Collections,” older publications on CDs grouped by subject area (January).
- CAST Executive Committee announced closure of CAST’s Washington, D.C. Office (January).
- CAST announced Dr. Norman E. Borlaug, Nobel Prize Winner and “father of the Green Revolution,” as the 2005 recipient of CAST’s Charles A. Black Award (February).
- CAST Issue Paper #28, *Global Risks of Infectious Animal Diseases*, was released. Task Force Coauthors Dr. M. D. Salman and Dr. James Pearson attended rollout activities in Washington, D.C. hosted by Senior Advisor Dr. Richard Stuckey (February).
- CAST Issue Paper #29, *Agricultural Ethics*, was released and distributed. (February).
- A *Cultivating Leadership for a Changing Agriculture: Shared Leadership II* workshop was held in Pacific Grove, California (March).
- CAST published its first paper in Spanish: *El riesgo global de las enfermedades animales infecciosas (Global Risks of Infectious Animal Diseases)*. This paper was distributed at two Latin American venues (April).
- CAST’s Spring Board Meeting was held in Washington, D.C. Dr. Norman E. Borlaug was presented CAST’s 2005 Charles A. Black Award; interviews were conducted for a new CAST Executive Vice President; and two new Societies joined CAST—The American Association of Pesticide Safety Educators and the Council of Entomology Department Administrators (April).
- CAST announced selection of Dr. John M. Bonner as CAST’s new Executive Vice President, and he began service in CAST’s Ames, Iowa office (May, July).
- CAST Issue Paper #30, *Metabolic Modifiers for Use in Animal Production (IP30)*, was released. Task Force Coauthors Dr. Donald H. Beermann and Dr. Frank R. Dunshea attended rollout activities in Cincinnati, Ohio (July).
- CAST Commentary *Adventitious Presence: Inadvertent Commingling and Coexistence among Farming Methods*, was released in English (QTA2005-1) and Spanish (QTA2005-1SPA), *Presencia adventicia: mezcla inadvertida y coexistencia entre metodos de cultivo* (July).
- CAST EVP Dr. John M. Bonner and Dr. James Pearson, Task Force Cochair of CAST’s *Global Risks of Infectious Animal Diseases*, gave a presentation to the State Department, Office of International Health Affairs on the paper (August).
- “Friday Notes” began new format, including colored coding of news items according to CAST’s four Work Groups (August).
- The American Board of Veterinary Toxicology joined CAST (August).
- CAST EVP Dr. John M. Bonner participated in the House Agriculture Committee’s Biotech Exposition in Washington, D.C. (September).
- CAST published its *2004 Annual Report* (September).
- CAST EVP Dr. John M. Bonner and Dr. Jeffrey Burkhardt, Task Force Chair of CAST Issue Paper #29, *Agricultural Ethics*, traveled to Washington, D.C. to make a special presentation as part of the USDA’s “*Diverse Voices in Agriculture: A Series of Seminars*” on “The Case of Agricultural Ethics” (September).
- CAST Commentary QTA2005-2, *Crop Biotechnology and the Future of Food: A Scientific Assessment*, was released (October).
- CAST’s Fall 2005 Board Meeting was held in Albuquerque, New Mexico. Dr. Donald Beitz succeeded Dr. Stanley Fletcher as CAST President; Dr. Edward Runge was named President-Elect; Dr. Martin Masingale, long-time CAST Treasurer, retired from the Board; and Dr. Ed Hanlon became the new Treasurer. Dr. Mike Martin, President of New Mexico State University, addressed the Board. (November).
- *La biotecnología de los cultivos y el futuro de los alimentos: una contribución científica (QTA2005-2SPA) (Crop Biotechnology and the Future of Food: A Scientific Assessment)* was released in Spanish (December).

CAST Names New EVP

After several months of research, evaluation, and screening on the part of CAST’s Search and Selection Committee (headed by Past President Dale Maronek and staffed by representatives from each of CAST’s four Work Groups) followed by a vote of the full Board, Dr. John M. Bonner was named CAST’s new Executive Vice President on May 20, 2005.

Dr. Bonner received his B.S. (Dairy Science), M.S. (Animal Production), and Ph.D. (Nutrition Physiology



Dr. John M. Bonner opens the CAST office door as new Executive Vice President.

2005 Highlights

major/Economics and Physiology minors) degrees from Iowa State University. He worked the past 15 years for Land O'Lakes Purina Feed (LOL), LLC, first as Beef Production Manager and then as Beef Production and Marketing Manager. Most recently, he served as LOL Training and Marketing Manager and Eastern Sales Manager. In 2001, Dr. Bonner was named a Fellow of the American Society of Animal Science.

Dr. Bonner began work in the CAST Office in Ames, Iowa on July 1, 2005. To help introduce Dr. Bonner to CAST's members, stakeholders, and interested colleagues, CAST held a "Welcome Reception" in his honor on July 7, 2005, on the Iowa State University (ISU) campus in Ames. Dr. Stanley M. Fletcher, CAST President, flew in from Georgia to conduct the program; and Dr. Don Beitz, CAST President-Elect, was also present. Guest speakers included Dr. Catherine Woteki, Dean, College of Agriculture, ISU; Mr. Mark Halvorsen, Minority Staff Director for the Senate Committee on Agriculture, Nutrition and Forestry for Senator Tom Harkin; Mr. Joel Brinkmeyer, EVP for the Iowa Cattlemen's Association; and Mr. Mike Fowler, Retired, Land O'Lakes.



Dr. John Bonner (center) reviews the Executive Vice President contract with Dr. Don Beitz (left) and Dr. Stanley Fletcher.

Former EVP Dick Stuckey "Pinch-Hits" for CAST



Dr. Richard Stuckey

Although Dr. Richard Stuckey had been retired as CAST's Executive Vice President (EVP) for 3½ years and was active in several volunteer scientific activities, he agreed to lend a hand as CAST Interim Senior Advisor from December 2004 through July 1, 2005 during the time CAST searched for a new EVP following the resignation of Dr. Teresa A. Gruber.

During his months with CAST Dick supervised several activities, a highlight of which was setting up rollout

venues and joining CAST President Dr. Stanley Fletcher in conducting briefings in Washington, D.C. for the new CAST Issue Paper *Global Risks of Infectious Animal Diseases*. One group they visited was the Pan American Health Organization (PAHO), which inquired about the possibility of CAST translating *Global Risks of Infectious Animal Diseases* into Spanish. Dick "stepped up to bat" to supervise the necessary project funding and followed up with avenues of distribution. *El riesgo global de las enfermedades animales infecciosas* (IP28SPA) became the first of CAST's publications translated into Spanish.

Nobel Peace Prize Winner Norman Borlaug Receives CAST's 2005 Charles A. Black Award

CAST presented the Charles A. Black Award April 21, 2005, in Alexandria, Virginia, to Dr. Norman E. Borlaug, a decades-long supporter of CAST and world-renowned agricultural scientist and current President of the Sasakawa Africa Association. For his research on dwarf varieties of wheat, now commonly called the "Green Revolution," Borlaug was awarded the 1970 Nobel Peace Prize.

Dr. Borlaug has been an advocate of CAST since its founding in 1972. He spoke at the John Deere Company in Moline, Illinois in 1973 on behalf of the fledgling CAST organization. His remarks at that CAST-Industry meeting later appeared as CAST's first published Paper. He received CAST's first "Distinguished Achievement Award in Food and Agricultural Science" as part of CAST's 10-year anniversary in Ames, Iowa. On that same occasion, a tree was planted in his honor on Iowa State University's campus (where it continues to grow and mature). Articles on Borlaug's life and work have appeared in several CAST publications through the years, so it was extremely fitting to have this opportunity to honor Norman Borlaug for his continued, outstanding achievements as a scientist, educator, and communicator.

Along with his close associate Christopher Dowsell, Borlaug attended several activities during the CAST meeting on Thursday, April 21. The special events began with an Open Forum titled "Insights on International Agricultural Issues," at which Borlaug was one of four guest speakers. Other speakers were Dr. Jim Butler, USDA's Deputy Undersecretary for Farm and Foreign Agricultural Services; Ms. Susan Mills, Senior Liaison and Administrative Officer, United Nations Food and Agriculture Organization; and Dr. Chris Delgado, International Food Policy Research Institute.

At the Charles A. Black Award Banquet, CAST President-Elect Dr. Don Beitz narrated a special Power Point presentation to introduce Borlaug, after which President



Dr. Norman E. Borlaug, recipient of the 2005 Charles A. Black Award.



Charles A. Black Award Laureates on the CAST website: www.cast-science.org Click on "About CAST"



2005 Highlights

Dr. Stanley Fletcher presented him with the Charles A. Black Award recognizing his significant scientific contributions and communication of the importance of food and agricultural science. Dr. Fletcher also announced that a flag flown over the U.S. Capitol on April 21st in Borlaug's honor would be sent to him. Dr. Borlaug's remarks to the audience lasted nearly an hour, during which he voiced his continued support for the work CAST is doing.

To add to the festivities, the CAST Staff had created a display featuring archival photographs of Borlaug and CAST members taken at the 1982 Tenth Anniversary Celebration of CAST; special programs were printed featuring an insert about Borlaug's life; and table centerpieces were cornucopias filled with wheat to commemorate the Green Revolution. CAST was honored to have this opportunity to recognize Borlaug for his lifelong contributions to world food production and his longtime association with CAST. The special events that took place on April 21st were sponsored in part by the National Renderers Association, Inc., the American Academy of Veterinary and Comparative Toxicology, and ISK Biosciences.

The Charles A. Black Award is presented annually to a food or agricultural scientist engaged actively in research who has made significant contributions to his/her scientific field, and who communicates the importance of this work and of food and agricultural science to the public, policymakers, and the news media.

2005 ICL/CAST Shared Leadership Workshop

A Cultivating Leadership for a Changing Agriculture: Shared Leadership II Workshop was held March 10–13, 2005 in Pacific Grove, California. Sponsored jointly by the Institute for Conservation Leadership and CAST, these workshops have offered opportunities to deepen and expand leadership knowledge, skills, and perspectives. CAST President Stanley M. Fletcher, President-Elect Don Beitz, and Executive Committee Member Wayne Coates represented CAST at the March workshop.

New Societies Join CAST

Three new societies joined CAST in 2005: the **American Association of Pesticide Safety Engineers** (an internationally recognized organization that supports pesticide risk-reduction programs and practices to protect human health and the environment); the **Council of Entomology Department Administrators** (an affiliate of the Entomological Society of America, established to promote the science of entomology in the United States and Canada); and the **American Board of**

Veterinary Toxicology (a group of specially trained veterinarians who strive to inform and educate the public, private practice veterinarians, and veterinary medical students about toxicological hazards to pets, livestock, and wildlife). CAST welcomes these new societies to the Board.

Personnel Notes

- Andrea (Annie) Blass, CAST Administrative Assistant from 2002 to 2005, graduated from Iowa State University (ISU) and moved to New York City (May).
- John M. Bonner was named CAST Executive Vice President (May) and began work at the CAST Office (July).
- Jenny Goudeau, an ISU student majoring in Finance, joined CAST as an Administrative Assistant (August).
- Amanda Wall, CAST Membership Coordinator, resigned (September).
- Donna M. Freeman joined CAST as Membership and Marketing Director (October).
- Ed Giesman, an ISU student majoring in Marketing, joined CAST as an Administrative Assistant (November).
- Cindy Giesman, CAST Administrative Assistant, graduated from ISU and moved to northern Iowa (December).

Members Are Vital to the Success of CAST

In order to produce the publications, sponsor the meetings, and distribute the scientific information highlighted in this report, CAST must have the continuing support of its members. Members contribute to CAST in three valuable ways:

1. They suggest **ideas** for future publications on topics of importance to agriculture nationwide and worldwide
2. They provide the **dollars** necessary to support the activities of CAST
3. They broaden the **"reach"** of CAST by networking with colleagues

To become a member of CAST or to renew your current membership, visit the CAST website at www.cast-science.org or call the office at 515-292-2125 for further information.

Staff Directory
on the
CAST website:
www.cast-science.org
Click on
"About CAST"



2005 Board Meetings

Spring 2005

The Spring 2005 Board of Directors' Meeting was held in Alexandria, Virginia on April 21–23, 2005, under the leadership of CAST President Dr. Stanley M. Fletcher, University of Georgia. Four new Board Members attended the New Board Members' Orientation Session on Thursday April 21.

Board Members considered important business issues, including interviewing three candidates for the position of CAST Executive Vice President and listening to a dozen invited guest speakers who addressed the group at various sessions. The American Association of Pesticide Safety Educators and the Council of Entomology Department Administrators petitioned for CAST membership and the Board voted approval. The highlight of the Meeting was the presentation of the 2005 Charles A. Black Award to Dr. Norman A. Borlaug (see "Nobel Peace Prize Winner Norman Borlaug Receives CAST's 2005 Charles A. Black Award," p. 5).

The Animal Sciences Work Group proposed three new Issue Papers: Poultry Carcass Disposal Options (for Routine and Catastrophic Mortality), Ruminant Carcass Disposal Options (for Routine and Catastrophic Mortality), and Swine Carcass Disposal Options (for Routine and Catastrophic Mortality). The Plant and Soil Sciences Work Group proposed a CAST Commentary on Adventitious Presence. All four publications were approved by both the National Concerns Committee and the full Board.

The general sessions were attended by a total of 51 persons, including 8 Executive Committee Members, 32 society representatives, 1 individual member representative, 7 invited guests, and 3 Staff members.

Fall 2005

The Fall 2005 Board of Directors' Meeting was held in Albuquerque, New Mexico on November 16–18. CAST President Dr. Stanley M. Fletcher of the University of Georgia presided over the meeting, and Dr. John M. Bonner, CAST's new Executive Vice President, was introduced and reported on activities during the 5 months of his tenure. Dr. Edward A. Hanlon was named Treasurer, and six new Board Members were announced.

During general sessions, Board Members were brought up-to-date on the status of the *Analysis and Development of Pilot Safety Programs and Materials* (EPA Report), the *Trade Development Grant*, and the *Cultivating Leadership for a Changing Agriculture* project. Other business items included: the draft budget for 2006; the "clean audit" report for CAST's 2004 financial records; and a discussion on inviting CAST Stakeholders to the Spring 2006 Board Meeting. An



Norman Borlaug visits with guests at the Charles A. Black Award Dinner during the Spring Board Meeting.



CAST's Animal Sciences Work Group conferring at the Spring Board Meeting.



CAST Administrators at the Fall Board Meeting (left to right), Ed Runge, President-Elect; Don Beitz, President; John Bonner, Executive Vice President; and Stanley Fletcher, Past President.

ad hoc committee was approved to address the issue of agricultural bioterrorism and consider whether CAST should publish on this subject; new Committee and Work Group chairs were identified. Dr. Mike Martin, President of New Mexico State University, addressed the Board in general session.

At the close of the meeting, Dr. Donald C. Beitz of Iowa State University became CAST President and Dr. Edward C. A. Runge of Texas A&M University (retired) became President-Elect.

The general sessions were attended by a total of 38 persons, including 8 Executive Committee members, 25 member society representatives, 1 individual member representative, 1 invited guest, and 3 Staff members.

Letter from the CAST President



Donald C. Beitz
President

As CAST President, I have witnessed some great achievements in our organization. I am proud to contribute to CAST's 2005 Annual Report, in which the Staff, officers, and other CAST participants account for the wonderful activities of the past year. More importantly, we look forward to even greater service to agriculture in the years ahead. We ask all of you to learn more about CAST and decide how you can participate in opportunities and activities to help promote our organization. With the rapid changes in American agriculture and its interactions with agriculture of other countries, the need is great and growing. It's not enough just to sustain our CAST program; we need to grow it!

Although we can always do more, 2005 was a very productive year. CAST released several Issue Papers and Commentaries on timely topics (see "Publications," p. 3), and we are highly appreciative of Congressional funding that partially supports this mission of CAST.

Internationalization of CAST was evidenced by a new initiative: translation of three of our publications into Spanish (*Global Risks of Infectious Animal Diseases* [IP28SPA]; *Adventitious Presence: Inadvertent Commingling and Coexistence among Farming Methods* [QTA2005-1SPA]; and *Crop Biotechnology and the Future of Food: A Scientific Assessment* [CAST Commentary QTA2005-2SPA]). Clearly, CAST has been focused on releasing science-based publications on current worldwide agricultural issues, thus fulfilling our mission.

We were especially pleased to have the opportunity to honor long-time CAST supporter Dr. Norman E. Borlaug as recipient of the 2005 Charles A. Black Award and to have the opportunity to learn from his vast experience during our Spring Board Meeting. The addition of Dr. John M. Bonner as CAST's new Executive Vice President was a strong choice and already is paying dividends to CAST through John's fine leadership.

CAST welcomed into membership the American Association of Pesticide Safety Educators, the Council of Entomology Department Administrators, and the American Board of Veterinary Toxicology during 2005. Is your professional Society a member of CAST? Additional Societies allow for expansion of our activities. CAST needs all of us to aggressively promote membership by companies, nonprofit organizations, and individuals.

CAST completed large projects supported by the Trade Development Agency (biotechnology) and the Environmental Protection Agency (worker protection), and we continue to look for similar projects to serve agriculture. Your ideas in this regard are always appreciated.

As you can tell, we at CAST continue to think "bigger and better." We appreciate all of you who have renewed your membership in CAST; spoken proudly of your CAST membership; provided names of individuals, companies, and organizations to be recruited as members of CAST; and assisted in fundraising for CAST activities. In fact, CAST will be giving a Champion Award annually to recognize an individual who has provided extraordinary volunteer service to assist CAST in these four activities.

Although 2005 was a rewarding year for CAST, it's the future that inspires me most. I appreciate your wonderful support this past year as I have served as your President, and I also pledge my support for CAST's future. I hope you'll be along for the adventure.

Sincerely,

Don Beitz, President of CAST

Past Presidents of CAST

Charles A. Black, 1973–1974
J. Richie Cowan, 1974–1975
Cecil E. Howes, 1975–1976
B. P. Cardon, 1976–1977
G. Fred Warren, 1977–1978
Jack F. Carter, 1978–1979
Frank H. Baker, 1979–1980
Ralph W. Fogleman, 1980–1981
O. D. Butler, 1981–1982
R. Phillip Upchurch, 1982–1983
William F. Hueg, Jr., 1983–1984
Louis J. Boyd, 1984–1985
John F. Gerber, 1985–1986
Gale R. Ammerman, 1986–1987
Billy E. Caldwell, 1987–1988
Thayne R. Dutton, 1988–1989

Virgil W. Hays, 1989–1990
James L. Oblinger, 1990–1991
Lowell S. Jordan, 1991–1992
Gale A. Buchanan, 1992–1993
Deon D. Stuthman, 1993–1994
Justin R. Morris, 1994–1995
Warren M. Schwecke, 1995–1996
Victor L. Lechtenberg, 1996–1997
Sue L. Sullivan, 1997–1998
David R. Lineback, 1998–1999
David A. Knauft, 1999–2000
Harold D. Coble, 2000–2001
Brad L. Inman, 2001–2002
L. J. (Kelvin) Koong, 2002–2003
Dale M. Maronek, 2003–2004
Stanley M. Fletcher, 2004–2005

2005 CAST Membership

KEY

- ◇ Lifetime Member
 - Millennium Club
 - President's Club
 - ▲ Friends of CAST
 - * Century Club or Cornerstone Club
- List as of December 2005*

UNITED STATES

Alabama

Phillip C. Badger, Florence
 Donald E. Davis, Auburn ◇
 Clifford A. Flood Jr., Auburn ◇
 James Hairston, Auburn*
 Paul L. Mask, Auburn
 Mary Miller-Goodman, Auburn
 Harry S. Prim Jr., Gordon ◇
 David H. Teem, Auburn
 Luther Waters Jr., Auburn
 Gerald C. Wheelock, Huntsville *
 Stanley Wilson, Auburn ◇

Alaska

James V. Drew, Fairbanks
 Fredric M. Husby, Fairbanks *
 Winston M. Laughlin, Palmer

Arizona

Filmore E. Bender, Sun City ◇
 John H. Brock, Mesa
 Bartley P. Cardon, Tucson ◇
 Wayne Coates, Tucson *
 P. Thomas Cox, Phoenix ◇
 Jack M. Doughty, Phoenix *
 John B. Fenger, Phoenix
 C. F. Foreman, Sun City
 Mark Holt, Tolleson
 Charles Y. Hoyt, Phoenix
 J. Rukin Jelks Jr., Elgin ◇
 C. Kaltenbach, Tucson
 Thomas J. Kennedy, Phoenix *
 Bruce A. Kimball, Phoenix
 Chuck Lakin, Avondale ◇
 Susanne Leckband, Scottsdale
 Kay Macuil, Yuma
 Joseph H. Marion, Yuma
 W. Gerald Matlock, Tucson
 Francis S. Nakayama, Phoenix
 John S. Niederhauser, Tucson ◇
 James M. Riggs, Willcox
 Eugene G. Sander, Tucson *
 Jeffrey C. Silvertooth, Tucson
 R. B. Sleeth, Paradise Valley *
 Richard E. Stuckey, Surprise ◇
 Kai Umeda, Tucson
 Robert Lee Voigt, Tucson ◇
 James M. Webb, Phoenix

Arkansas

James L. Barrentine, Fayetteville *
 Ralph F. Boulware, Stamps ◇
 Fred M. Bourland, Keiser
 George C. Brown, Cabot
 James H. Denton, Fayetteville
 Richard H. Forsythe, Fayetteville *
 Nicholas Gyles, Fayetteville

John W. Hardiman, Siloam Springs *
 Otis W. Howe III, Little Rock
 J. O. Legg, Rogers
 Teresa A. Maurer, Fayetteville
 Justin R. Morris, Fayetteville
 Milo J. Shult, Little Rock *
 Carroll E. Walls, Little Rock *
 Duane C. Wolf, Fayetteville
 Bill C. Wright, Hot Springs Village

California

Julie G. Adams, Modesto *
 Harry S. Agamlan, Salinas *
 M. J. Bakke, Clovis ◇
 Daniel P. Bartell, Fresno *
 Wayne R. Bidlack, Pomona
 Robert Bosshart, Modesto
 Wade Brant, Davis ◇
 Christine M. Bruhn, Davis
 Janet Caprile, Pleasant Hill
 Fred M. Carasso, Van Nuys ◇
 M. Dale Christensen, Walnut Creek
 Joseph H. Connell, Oroville
 Charles Corsiglia, Delhi *
 Dennis D. Crenwelge, Turlock *
 Dennis A. Daugherty, Denair *
 M. Steven Daugherty, San Luis Obispo
 Frank J. Delfino, Bakersfield
 Richard E. Dresser, Fortuna ◇
 J. A. Driver, Knights Landing ◇
 Robert C. Ehn, Clovis
 Ralph A. Ernst, Davis
 Donald H. Ford, Fresno
 Tad H. Gantenbein, Carmichael
 W. R. Gomes, Oakland *
 Stanley G. Goodrich, Oakdale *
 Donald W. Grimes, Reedley
 Robert C. Hargreaves, Bakersfield
 John S. Herlihy, Turlock *
 Mahlon M. Hile, Fresno *
 Carol A. Hudson, Richmond
 John W. Inman, Salinas
 Carl W. Johnson, Chico
 Lowell S. Jordan, Murrieta ◇
 Adel Kader, Davis *
 Eugene K. Keating, Claremont ◇
 Franz R. Kegel, Stockton
 Mark Kreul, Baldwin Park
 Robert C. Laben, Davis ◇
 Charles M. Lawrence, Eureka
 Robert Lilley, San Luis Obispo *
 Gary Markegard, Eureka *
 Pam Marrone, Davis *
 Ernest R. Marshall, Carmel Valley ◇
 George C. Martin, Paradise *
 Roland D. Meyer, Davis *
 Gerald L. Morris, Valley Springs *
 Hal Moser, Shafter
 Ishwar P. Murarka, Cupertino ◇
 Joel Nelsen, Exeter
 Richard D. Nelson, Watsonville
 Richard S. Nielsen, Fresno
 Robert F. Norris, Davis
 James W. Oltjen, Davis
 Peter S. Pankey, Arvin
 Franklin Parks, Pinedale ◇
 Robert C. Pearl, Davis ◇
 G. Stuart Pettygrove, Davis

William Plummer, San Luis Obispo
 Parker F. Pratt, Riverside ◇
 Calvin Qualset, Davis *
 Brad Ramsdale, Fresno
 Robert G. Robinson, San Marino ◇
 Dan Y. Rosenberg, Sacramento ◇
 Charles Roudebush, Visalia
 Chris Rufer, Woodland •
 Glenn Savelle, San Andreas
 John F. Schafer, Santa Rosa
 John J. Schoenecker, San Francisco *
 Mark Shelton, San Luis Obispo
 Carol Shennan, Santa Cruz
 Gregory A. Soulds, San Diego *
 Richard F. Stier, Sonoma ◇
 Joyce F. Strand, Davis *
 Andrew Thulin, San Luis Obispo
 Joe Traynor, Bakersfield
 John E. Trei, Rancho Santa Fe
 Ronald E. Voss, Davis
 George B. E. West, Davis
 Broc Gerald Zoller, Kelseyville

Colorado

John S. Avens, Fort Collins
 George Beck, Fort Collins
 Franklyn Garry, Fort Collins *
 Carl Hittle, Fort Collins ◇
 Thomas O. Holtzer, Fort Collins
 Nancy Irlbeck, Fort Collins
 Marvin E. Jensen, Fort Collins
 Wayne F. Keim, Fort Collins ◇
 Kirvin L. Knox, Fort Collins
 E. Gordon Kruse, Fort Collins *
 W. Dennis Lamm, Fort Collins
 Delbert G. Miles, Greeley
 Jim Miller, Lakewood
 Scott Nissen, Fort Collins
 Kayleen A. Niyo, Evergreen
 Paul J. Ogg, Longmont ◇
 Jerry Olson, Fort Collins
 William Orendorff, Denver
 Robert K. Phillips, Denver
 Laura S. Quakenbush, Lakewood
 Howard Ramsdell, Fort Collins
 James O. Reagan, Centennial *
 Jean Reeder, Fort Collins
 Milan A. Rewerts, Fort Collins
 Jack L. Rhodes, Holyoke
 I. D. Russell, Boulder ◇
 Joseph F. Schuh, Parker
 Howard F. Schwartz, Fort Collins
 Lee E. Sommers, Fort Collins ◇
 Jeff Tichota, Centennial
 Peter H. Van Schaik, Montrose *
 James Voss, Livermore
 James R. Watson Jr., Littleton ◇
 Nora E. Wineland, Fort Collins *

Connecticut

John F. Ahrens, Bloomfield ◇
 John P. Brand, Storrs Mansfield
 Lynn R. Brown, West Willington
 W. A. Cowan, Storrs ◇
 Ian C. Hart, Storrs *
 John J. Kolega, Mansfield Center
 David A. Kollas, Tolland
 Todd L. Mervosh, Windsor
 Robert A. Peters, Storrs

Louis J. Pierro, Storrs
 Raymond P. Poincelot, Fairfield
 John Riesen, Storrs
 James S. Rock, Norwich *

Delaware

Richard A. Barczewski, Dover
 Faith B. Kuehn, Dover
 Linmin Kung, Newark
 Conrad R. Pope, Newark
 John L. Saladini, Wilmington
 Larry E. Stewart, Selbyville
 T. D. Van Horn, Dover
 Thomas H. Williams, Newark

District of Columbia

Philip H. Abelson, Washington ◇
 Teresa A. Gruber, Washington ◇
 Debora L. Hamernik, Washington
 Bronda F. Harrison, Washington
 Colien Hefferan, Washington *
 James Hodges, Washington ▲
 Peter Barton Hutt, Washington *
 Siphwi Mkhize, Washington
 Audra Polk, Washington
 Jean D. Reimers, Washington •
 David Schmidt, Washington *
 Fred R. Shank, Washington *
 Jac Smit, Washington
 Robert M. Smith, Washington ◇
 Ann Thro, Washington

Florida

L. Gene Albrigo, Lake Alfred
 Clarence B. Ammerman,
 Gainesville ◇
 Daniel A. Botts, Maitland ◇
 Barry J. Brecke, Milton
 Joel H. Brendemuhl, Gainesville
 William L. Brown, Gainesville
 Robert G. Cassens, Naples *
 Samuel W. Coleman, Brooksville
 Bobby C. Darst, Amelia Island ◇
 Paul J. Driscoll, Fort Pierce
 John F. Gerber, Gainesville ◇
 Les Glasgow, Vero Beach
 Norman Goldenberg, Miami*
 Daniel W. Gorbet, Marianna
 Melvin G. Greeley, Mount Dora ◇
 James T. Griffiths, Lakeland ◇
 Edward A. Hanlon, Immokalee *
 Tim Humer, Lakeland
 Robert Kahrs, Saint Augustine
 Gerald Kidder, Gainesville
 David L. Matthews, New Port
 Richey ◇
 Donald McFeeters, DeLand *
 Charles Mellinger, Jupiter
 Harry J. Mersmann, Palm Harbor *
 Richard D. Miles, Gainesville
 Lorraine Mott, Gainesville ◇
 Norman Nesheim, Gainesville
 George A. O'Connor, Gainesville
 Marvin M. Schreiber, Boynton Beach
 Lynn E. Sollenberger, Gainesville
 Arthur A. Teixeira, Gainesville
 H. H. (Jack) Van Horn, Gainesville ◇
 Earl Watson, Clewiston ◇
 Ralph W. White, Tavares

2005 CAST Membership

Georgia

Elizabeth L. Andress, Athens *
John P. Beasley, Tifton
C. Reese Berdanier, Watkinsville
H. Roger Boerma, Athens
Louis J. Boyd, Bogart ◊
William Branch, Tifton
Gale A. Buchanan, Adel ◊
Robert N. Carrow, Griffin
Jerry A. Cherry, Athens
David W. Dibb, Duluth ◊
William Flatt, Athens ◊
Stanley M. Fletcher, Peachtree City ◊
Ralph W. Fogleman, Savannah ◊
Larry L. Hawkins, Athens ◊
James E. Hook, Tifton *
Roger Howard, Gainesville ◊
Keith J. Karnok, Athens
James O. King, Alpharetta
David A. Knauff, Athens ◊
Gilbert W. Landry Jr., Griffin
Patrick McHugh, Tignall
Andrew P. Nyczepir, Byron
Albert E. Pope, Alpharetta ◊
James F. Price, Greensboro
Aaron E. Reynolds Jr., Athens
John L. Sherwood, Athens
John C. Smith, Duluth *
Holly Taylor Ballantine, Hiram
R. Donald Wauchope, Tifton

Guam

Jeff D. T. Barcinas, Mangilao ◊

Hawaii

Barry M. Brennan, Honolulu
James R. Carpenter, Honolulu ◊
Steven J. Lupkes, Kekeaha

Idaho

Dave Bjorneberg, Kimberly
Carl C. Blickenstaff, Twin Falls
T. J. Davidson Jr., Plummer
Edward Duren, Soda Springs
John C. Foltz, Moscow
James L. Halderson, American Falls
D. L. Ingle, Kendrick
Glenn G. Mahrt, Boise
Leonard N. Purdy, Picabo *
Robert W. Smythe, American Falls *
J. Dan Stallings, Kimberly

Illinois

Walter J. Armbruster, Oak Brook
Richard Bernard, Urbana
Don Boudreaux, Hoffman Estates *
John Church, Oswego
Jimmy H. Clark, Urbana
Robert B. Colville, Rochelle
Aldo J. Crovetti, Lake Forest
Bala N. Devisetty, Long Grove *
Faye M. Dong, Urbana
John W. Dudley, Urbana *
Dwight M. Dunbar, Riverton ◊
Robert A. Easter, Urbana
James A. Eckert, Belleville
George C. Fahey, Urbana
Brian R. Flood, Rochelle
Richard L. Fredrickson Jr., Mahomet ◊

K. Lanka, Fulton ◊
Ralph D. Grotelueschen,
East Moline ◊
Steve Halbrook, Oak Brook
Roy E. Harrington, Moline
Danny Heustis, Farmer City
Robert G. Hoefl, Urbana
Gilbert R. Hollis, Urbana
T. Kirk Hunter, Rolling Meadows
Michael F. Hutjens, Urbana
J. A. Jackobs, Urbana ◊
Benjamin A. Jones, Urbana
Randall T. Kane, Aurora
Frederic L. Kolb, Urbana
Robert C. Lanphier III, Springfield ◊
Philip A. Lofgren, Oak Park
John Masiunas, Urbana
Gavin L. Meerdink, Urbana *
Oval Myers, Carbondale
Kenneth E. Olson, Schaumburg
David B. Palmer, Arlington Heights
Lyle Paul, DeKalb
James E. Pettigrew, Urbana
Kailash S. Purohit, Des Plaines ◊
Charles L. Sapp, Savoy *
A. David Scarfe, Schaumburg
Wendell L. Shauman, Kirkwood ◊
Arthur J. Siedler, Urbana
David W. Smith, Moline
R. G. F. Spitze, Urbana
A. G. Taylor, Springfield
Dennis R. Thompson, Champaign *
Robert L. Thompson, Urbana
James Usry, Chicago ◊
Lyle P. Vogel, Schaumburg
Paul Walker, Normal *
Loyd Wax, Urbana
Samuel H. Weaver, Wheaton *
William F. Whiteside, Batavia
Jack M. Widholm, Urbana
Marvin Wurster, Elizabeth

Indiana

Jack Albright, West Lafayette
Michael Baise, Indianapolis
Ronald R. Bell, Lebanon
James N. BeMiller, West Lafayette *
Andrew C. Boston, Paoli
Sylvie M. Brouder, West Lafayette
Tilford R. Cline, West Lafayette
Maribeth A. Cousin, West Lafayette *
Bernas S. Downing, Morristown ◊
Harry M. Galloway, West Lafayette ◊
Don Gard, Greenfield
Allan D. Goecker, West Lafayette
Alan Grant, West Lafayette
Stephen E. Hawkins, West Lafayette
Patricia Y. Hester, West Lafayette
Harvey Holt, West Lafayette
Larry F. Huggins, West Lafayette ◊
Eileen J. Kladviko, West Lafayette
Victor L. Lechtenberg, West
Lafayette ◊
Larry E. McBee, Seymour
William W. McFee, West Lafayette *
Thomas Means, Indianapolis *
Lance J. Murrell, Idaville ◊
Suzanne Nielsen, West Lafayette
Wyman Nyquist, West Lafayette
Doris Paroanagian, Indianapolis ▲
David C. Petritz, West Lafayette
William J. Prokop, Fair Oaks ◊
Roger H. Ratcliffe, Lafayette
Marvin Schultz, Indianapolis
Paul R. Shellenberger, Franklin *
Gary C. Steinhardt, West Lafayette
Richard L. Strohshine, West Lafayette
Alan L. Sutton, West Lafayette
Randall L. Warden, Fort Wayne
Clayton S. Williams, Carmel ◊

Iowa

Duane Acker, Atlantic
Jimmie L. Andersen, Council Bluffs
Paul J. Armbrrecht, Lake City *
James L. Baker, Ames
Steve G. Ballenger, Johnston
Donald C. Beitz, Ames ▲
Mark J. Bertram, Polk City
John M. Bonner, Vincent
Edward J. Braun, Ames
Lorna Michael Butler, Ames ◊
James P. Callan, Johnston
Linda M. Chimenti, Ames *
R. L. Chrisinger, Winfield
Joseph C. Cordray, Ames *
Robert J. Crabtree, Ames
Paula Davis, Johnston *
Robert W. Deegan, Maquoketa
Donald N. Duvick, Johnston ◊
David Engle, Ames
Richard S. Fawcett, Huxley
Walter Fehr, Ames ◊
Cornelia B. Flora, Ames ◊
Jan L. Flora, Ames *
G. W. Griffel Jr., Fort Dodge
John R. Hagie, Clarion ◊
Bill L. Harriott, Council Bluffs ◊
Herbert R. Heinicke, Indianola
Suzanne Hendrich, Ames *
M. Pete Hoffman, Ames
Maynard Hogberg, Ames
Palmer J. Holden, Ames *
R. B. Hopkins, Cedar Falls
Jerry G. Hora, Maquoketa
Stephen H. Howell, Ames
G. David Hurd, Des Moines ◊
D. L. Karlen, Ames
Dennis R. and Betty Keeney, Ames ◊
Marvin C. Koepfer, Rhodes ◊
William E. Kuhn, Urbandale ▲
Mark A. Kujawa, Cedar Rapids
Bob Jacobus, Fort Dodge
M. Douglas Keneally, Ames
Kenneth L. Larson, Ames ◊
Seeley G. Lodwick, Wever *
Frank A. Loeffel, Des Moines ◊
Tom E. Loynachan, Ames
Clyde Martin, Preston ◊
Robert A. Martin, Ames *
R. L. McConnell, Grimes ◊
David J. Meisinger, Des Moines
Aubrey Mendonca, Ames
James A. Meyer, Odebolt
Bill L. Miller, Webster City
Merle L. Miller, Waterloo ◊
Stuart E. Mitchell, Des Moines
Gary P. Munkvold, Johnston

Owen J. Newlin, Des Moines *
Gary D. Osweiler, Ames *
Frederick C. Parrish Jr., Ames
James Pearson, Ames
John Pesek, Ames ◊
Todd Andrews Peterson, Johnston
Donald H. Pettengill, Ottumwa
Elena Yu Polush, Ames
Noel G. Rudie, Oskaloosa *
John E. Sawyer, Ames
Steve Schmalenberger, Vincent
Joseph G. Sebranek, Ames
Rexanne Struve, Manning
Sue L. Sullivan Twilley, Urbandale ◊
William A. Summers, Des Moines
M. A. Tabatabai, Ames *
Phillip B. Thien, Des Moines
Frederick R. Troeh, Ames
Eldon K. Uhlenhopp, Ames
Bradley W. Van De Woestyne,
Urbandale
Regis D. Voss, Ames
Jerry L. Willie, Ames
Wendy Wintersteen, Ames
Jeffrey Wolt, Ames
Kenneth E. Ziegler, Ames

Kansas

Kassim Al-Khatib, Manhattan
Elizabeth Boyle, Manhattan
Larry R. Corah, Manhattan
J. Anita Dille, Manhattan
Steve Dritz, Manhattan
N. Alfred Dutrow, McPherson
Larry Erickson, Manhattan
John M. Fenderson, Kiowa
George E. Ham, Manhattan ◊
Jerry L. Heath, Olathe
Melvin C. Hunt, Manhattan
Curtis L. Kastner, Manhattan
M. Kirkham, Manhattan
Robert W. Lee, Garden City *
L. Wilburn Nelson, Manhattan
Douglas and Cathy Nord, Larned *
Dallas E. Peterson, Manhattan
Philip A. Phar, Scott City *
Gerry L. Posler, Manhattan ◊
Ralph Richardson, Manhattan *
Danny H. Rogers, Manhattan
Robert D. Rowland, Olathe ◊
Robert W. Schoeff, Manhattan *
John E. Shirley, Manhattan *
Virgil W. Smail, Manhattan
Phillip Stahlman, Hays ◊
Curtis Thompson, Garden City
Richard Vanderlip, Manhattan
Riley G. Walters, Eldorado
David A. Whitney, Manhattan *
Robert Wolf, Manhattan

Kentucky

Michael Barrett, Lexington
Durwood W. Beatty, Murray
Thomas C. Bridges, Lexington
Lowell Bush, Lexington
Russell D. Caid, Walton *
Richard D. Coffey, Princeton
Gary L. Cromwell, Lexington
Lee A. Edgerton, Lexington

2005 CAST Membership

D. B. Egli, Lexington
Wilbur W. Frye, Frankfort ◊
Richard S. Gates, Lexington
Jonathan D. Green, Lexington
Benjamin W. Harmon, Ashland *
Virgil W. Hays, Lexington ◊
Merlin D. Lindemann, Lexington
Jerry Lucietta, Lexington
James R. Martin, Princeton *
Daniel A. Niffenegger, Lexington
Douglas G. Overhults, Princeton
Charles H. Slack, Lexington
David A. Smith, Lexington
M. Scott Smith, Lexington

Louisiana

M. W. (Wink) Alison, Winnsboro
Everett D. Besch, Baton Rouge *
Thomas Binder, Baton Rouge
Cecil Brooking Jr., Ferriday
William H. Brown, Baton Rouge
Doyle Chambers, Baton Rouge ◊
James S. Dunn, Covington
Mary L. Grodner, Baton Rouge *
Brad L. Inman, New Orleans *
Bruce F. Jenny, Baton Rouge
Kenneth L. Koonce, Baton Rouge
Kenneth W. McMillin, Baton Rouge ◊
James I. McNitt, Baton Rouge
W. Allen Nipper, Homer
Kenneth Tipton, Baton Rouge *

Maine

Donna Coffin, Dover-Foxcroft
Maxwell L. McCormack Jr., Deer Isle *
Bernard P. Rines, Gorham ◊
Bruce R. Stillings, Falmouth *
Martin R. Stokes, Orono *
David E. Yarborough, Orono

Maryland

Richard A. Ahrens, Berwyn Heights
M. K. Aycock, Severn
Lynn K. Carta, Silver Spring
David J. Chitwood, Beltsville
Jack L. Cooper, Silver Spring
Edwin A. Crosby, Bethesda ◊
James A. Duke, Fulton ◊
Bernadette M. Dunham, Rockville
Don Erbach, Beltsville *
Jeffrey G. Faust, Baltimore
Angus A. Hanson, Silver Spring ◊
William Hare, Beltsville *
C. I. Harris, Silver Spring
Richard Herrett, Severna Park *
James Lindsay, Beltsville
David R. Lineback, College Park ◊
Susan McCarthy, Beltsville
Franklin Newhall, Mitchellville
Robert R. Peters, College Park
Albert E. Pohland, Laurel
Vernon G. Pursel, Beltsville
Richard D. Reynnells, Laurel
Cindy Lynn Richard, Owings Mills ▲
Ronald L. Ritter, Laurel *
Jane F. Robens, Beltsville ◊
David S. Ross, College Park *
Michael L. Scott, Laurel
Kay Walker Simmons, Beltsville

Donald A. Spencer, Silver Spring ◊
Alan V. Tasker, Silver Spring
Paul V. Twining, Princess Anne
Elymar V. Veal, Crownsville
Lester R. Vough, College Park
Richard F. Wilson, Beltsville
Edgar Young, Stevensville
Robert G. Zimbelman, New Market ◊
Nickolas G. Zimmermann, Salisbury

Massachusetts

Prasanta C. Bhowmik, Amherst ◊
A. Richard Bonanno, Methuen
Frederick J. Francis, Amherst ◊
John M. Gerber, Amherst ◊
Naomi Martin, Worcester*
Paul J. Peters, Brimfield
Norman L. Slack, Westwood
Roberta Spitko, Montague

Michigan

Max E. Benne, Sturgis
Jim Bingen, East Lansing
Douglas D. Buhler, East Lansing
Karen Ann Cichy, East Lansing
Catherine W. Ernst, East Lansing
Russell Freed, East Lansing *
David R. Hawkins, East Lansing *
James Herbert, Lansing
Richard M. Hinterman, Flint *
Lee W. Jacobs, East Lansing *
James Kells, East Lansing
Dean M. Krauskopf, Parma
E. Roland Laning, Midland ◊
James W. Lauderdale, Augusta *
O. Donald Meaders, Okemos *
Donald Penner, East Lansing
Jerald W. Riekels, Muskegon *
Harlan D. Ritchie, East Lansing
Donald R. Smucker, Stanton
J. William & Carolyn Thomas, East Lansing ◊

Ewen Todd, East Lansing *
Darryl D. Warncke, East Lansing *
Andrew Watson, Midland
Robert I. Welch, Lansing

Minnesota

Raymond R. Allmaras, Roseville *
John Baumgartner, Olivia
Richard Behrens, St. Paul ◊
James J. Boedicker, Grand Rapids
Lonny Buss, Maynard
Francis F. Busta, St. Paul ◊
Vernon Cardwell, Wyoming ◊
Stephen Carpenter, St. Paul
H. H. Cheng, St. Paul ◊
Charles J. Clanton, St. Paul
E. Joe Dahmer, Shakopee *
Robert Ellis, Eagan *
John Fetrow, St. Paul
Burl G. Gengenbach, St. Paul *
John H. Goihl, Shakopee
Lyle E. Henning, Montevideo
William F. Hueg, St. Paul ◊
William D. Hueston, St. Paul *
Kevin A. Janni, St. Paul ◊
Rita A. Kuznia, Janesville
William E. Larson, St. Paul

Gordon C. Marten, Roseville *
Cynthia K. Moen, Windom
R. Vance Morey, St. Paul
William S. Niehaus, Moorhead ◊
Donald E. Otterby, New Brighton ◊
Duane P. Rathmann, Waseca
Howard W. Rines, St. Paul
Michelle Rossmann, Oronoco
Michael P. Russelle, St. Paul
Joseph W. Rust, Grand Rapids
Kip W. Sander, Lakeville
Deon D. Stuthman, St. Paul ◊
Roy Thompson, Roseville
Mark T. Wall, Golden Valley
Carol E. Windels, Crookston

Mississippi

Ralph S. Baker, Leland
Carlos Blanco, Stoneville
H. D. Bunch, Starkville *
Roy G. Creech, Mississippi State ◊
Seth M. Dabney, Oxford
Stephen O. Duke, University
Kurt D. Getsinger, Vicksburg *
Harry F. Hodges, Starkville
Roger D. Howard, Southaven ◊
Johnie N. Jenkins, Starkville
Jimmy McCully, Mississippi State
Lyle E. Nelson, Starkville *

Missouri

Thomas F. Armstrong, Wildwood
Ken Bruene, Platte City *
Brett H. Bussler, Webster Groves
Will D. Carpenter, Chesterfield ◊
Andrew Clarke, Columbia
Harold D. Cleberg, Kansas City ◊
Gary W. Colliver, Stover
Pradip K. Das, Olivette *
Mario De Figueiredo, Chesterfield
Archie L. Devore, Pleasant Hope *
John Eggert, St. Louis *
Neal Hageman, Wildwood
Ib Hagsten, Gladstone
Jeffery D. Hill, Milan
John A. Hoehne, Columbia
Charles McFatrach, Washington
Gary Hoette, Montgomery City
Michael J. Horak, St. Louis
David R. Ledoux, Columbia *
C. Jerry Nelson, Columbia *
Henry Nguyen, Columbia
Thomas J. Peters, St. Louis ◊
Derek Rapp, St. Louis
John Richard, Union
Thad W. Simons, St. Louis
R. Phillip Upchurch, Chesterfield ◊
Glen W. Wolfrom, St. Joseph

Montana

Keith Fairbank, Dillon ◊
Elaine E. Grings, Miles City *
Marshall Haferkamp, Miles City*
Rodney Heitschmidt, Miles City *
Jeff Jacobsen, Bozeman *
Thomas J. McCoy, Bozeman
Robert Short, Laurel ◊
B. Staigmiller, Absarokee ◊
Clark Throssell, Billings

Nebraska

Melonee H. Baker, Lincoln ◊
David D. Baltensperger, Scottsbluff *
Donald Beermann, Lincoln *
Michael C. Brumm, Concord
Chris R. Calkins, Lincoln
Larry V. Cundiff, Clay Center
Charles A. Francis, Lincoln
Glenn W. Froning, Lincoln
Ann C. Grandjean, Omaha
G. LeRoy Hahn, Clay Center
Donald G. Hanway, Lincoln ◊
Robert B. Harris, Lincoln ◊
DeLynn R. Hay, Waverly
Gary W. Hergert, Scottsbluff
Bruce C. Karsk, Omaha *
Lloyd L. Lipska, Gothenburg
Daryl Long, Peru
Drew Lyon, Scottsbluff
Derrel L. Martin, Lincoln
Martin A. Massengale, Lincoln ◊
Z. B. Mayo, Lincoln *
Lowell E. Moser, Lincoln
Robert J. Olsen, McCook
John C. Owens, Lincoln *
Carole Peet, Omaha
Fred W. Roeth, Lincoln ◊
Gary P. Rupp, Clay Center
Larry Schulze, Lincoln *
Charles A. Shapiro, Concord ◊
Patrick J. Shea, Lincoln
David P. Shelton, Concord
Gary Snowden, Clay Center
Robert C. Sorensen, Lincoln
Leroy V. Svec, York
Stephen L. Taylor, Lincoln
Lloyd (Dale) D. Van Vleck, Lincoln *
Edward F. Vitzthum, Lincoln *
Steve S. Waller, Lincoln
Raymond Ward, Kearney ◊
Ted R. Warfield, Kearney ◊

Nevada

Randall Bradley, Reno
Matt Frolich, Gardnerville
Cleve A. Goring, Reno *
Hussein S. Hussein, Reno
Irvine L. Phillips Jr., Genoa
Warren M. Schwecke, Mesquite ◊

New Hampshire

John Hodsdon, Meredith *
Charles Schwab, Durham

New Jersey

William E. Bangs, Medford
C. Andrew Beagle, South Plainfield
Robert L. Bickford, Ho-Ho-Kus
Brant Cali, Union *
Bruce B. Clarke, New Brunswick
Roger L. DeLay, Princeton
Maarten DeVries, Franklin Lakes
C. Reed Funk, New Brunswick
Harold D. Hafs, Mountaintide ◊
Richard K. Hanrahan, Montvale
Zane R. Helsel, New Brunswick
Melvin R. Henninger, East Windsor *
Robert E. Holm, North Brunswick

2005 CAST Membership

Henry W. Indyk, Somerset
John Meade, East Brunswick ◇
Walther H. Ott, Bridgewater ◇
William M. Seymour, Parsippany *
John J. Specchio, Upper Montclair
Warren C. Stiles, Cape May Court
House
James E. Wohlt, New Brunswick

New Mexico

Philip A. Banks, Las Cruces *
Denise McWilliams, Las Cruces
Jerry Schickedanz, Las Cruces *
Jill Schroeder, Las Cruces *
Stephen H. Thomas, Las Cruces
Dorothy Vaughan, Fort Sumner ◇

New York

Lawrence P. Abrahamson, Syracuse
Dale E. Bauman, Ithaca *
George H. Bayer, Ithaca
Alan W. Bell, Ithaca *
Gary C. Bergstrom, Ithaca
Karyn Bischoff, Ithaca
A. Joseph J. Fairbank, Ashville ◇
Dale D. Fisher, Conklin
Richard Girsch, Bronx
Russell R. Hahn, Ithaca ◇
John Huntley, Albany
Alan N. Lakso, Geneva
Wendall Norvell, Ithaca
W. D. Pardee, Ithaca
Wilson G. Pond, Ithaca *
Marvin P. Pritts, Ithaca
David A. Rosenberger, Highland
Robert C. Seem, Geneva
Margaret E. Smith, Ithaca
Jeffrey A. Strauser, Dunkirk
Robert D. Sweet, Ithaca ◇
Michael L. Thonney, Ithaca
Norman Turkistt, Ithaca
Ross M. Welch, Ithaca

North Carolina

Don V. Allemann, Greensboro ◇
Neil K. Allen, Goldsboro
Markus Andres, Durham
Warwick Arden, Raleigh
David B. Beasley, Raleigh
J. V. Boyne, Research Triangle Park
Cecil F. Brownie, Raleigh
Leonard Bull, Raleigh
Steven Clark, West Jefferson *
William B. Clifford, Raleigh *
Harold D. Coble, Cary ◇
James R. Collins, Durham
Maurice G. Cook, Raleigh
James Cropper, Greensboro
Charles B. Davey, Raleigh
Philip Denlinger, Mt. Olive
E. J. Dunphy, Raleigh
Robert E. Eplee, Whiteville
Kenneth L. Esbenshade, Raleigh
Gary Fellows, Apex
Edward W. Glazener, Raleigh
Eric Gonder, Goldsboro
John Havlin, Raleigh *
Ernest Hodgson, Raleigh
Leland R. House, Bakersville ◇

Guy L. Jones, Raleigh
Todd J. Jones, Research Triangle Park
Victor H. Lytton, Salisbury
Gail Mahnken, Raleigh
Jeannette A. Moore, Raleigh
Carroll Moseley, Greensboro
George C. Naderman Jr., Cary
Robert E. Ogle, Raleigh
Katharine B. Perry, Raleigh ◇
Dwain H. Pilkington, Raleigh
Richard C. Reich, Winston-Salem
Phillip Ricks, Oak Island
Odis Wayne Robison, Raleigh ◇
Barrett D. Slenning, Raleigh
Ronald E. Sneed, Raleigh
Charles D. Sopher, Washington ◇
Charles W. Stuber, Raleigh *
Turner B. Sutton, Raleigh
Harold E. Swaisgood, Raleigh *
Kenneth E. Vaughn, Statesville
Scott Webster, Rose Hill
Ian M. Wedderspoon, Brevard *
Todd C. Wehner, Raleigh
Thomas B. Whitaker, Raleigh
Jeffrey G. White, Raleigh
Lon W. Whitlow, Raleigh
A. Douglas Worsham, Scottville
Alan C. York, Raleigh
Eric Young, Raleigh

North Dakota

David Borlaug, Bismarck ◇
Jack Carter, Fargo ◇
Alan Dexter, Fargo ◇
Hiram Drache, Fargo
Jerome D. Franckowiak, Fargo *
Kirk Howatt, Fargo
Brian Jenks, Minot
Verlin Johnson, Fargo
Rodney G. Lym, Fargo *
Martin J. Marchello, Fargo *
Calvin G. Messersmith, Fargo ◇
Dwain W. Meyer, Fargo *
John D. Nalewaja, Fargo
James L. Ozbun, Dickinson ◇
Anthony Thilmony, Valley City
Richard Zollinger, Fargo

Ohio

Dwight Armstrong, Lewisburg
David L. Ashworth, Findlay
Mark A. Bennett, Columbus ◇
Keith I. Brown, Wooster ◇
Vern R. Cahill, Columbus
Chuck R. Curtis, Columbus
Larry E. Davis, Cincinnati ◇
Gary Eilrich, Lyndhurst ▲
Fredrick H. Galehouse, Doylestown
Robert J. Gustafson, Worthington
Robert W. Harriman, Marysville ◇
Walter R. Harvey, Columbus
James Henry, Apple Creek
Stanley W. Joehlin, Curtice ◇
Michael P. Kelty, Marysville ◇
Benson J. Lamp, Dublin *
Gregory A. Leyes, Concord
John H. Litchfield, Worthington
Sam Littlepage, Findlay
Eric K. Nelson, Marysville ◇

Steven C. Prochaska, Bucyrus
Randall C. Rowe, Wooster
Y. M. Saif, Wooster
William Schnug, Hilliard
Gene E. Schram, Whitehouse
Roy W. Simonson, Oberlin
Steven A. Slack, Wooster
Ralph Stonerock, Marysville *
Paul Sutton, Marietta
Luther G. Tweeten, Columbus ◇
Kathryn Zahirsky, Kent
Tommy L. Zimmerman, Wooster

Oklahoma

Linville Bush, Stillwater
Billy R. Clay, Stillwater
George J. Cocoma, Edmond
Jim T. Criswell, Stillwater
William C. Edwards, Stillwater
J. R. Escoubas, Stillwater
Stanley E. Gilliland, Stillwater
Drew L. Kershen, Norman ◇
Dale M. Maronek, Stillwater *
Ronald Menzel, Durant
Don S. Murray, Stillwater ◇
William A. Phillips, El Reno
Jim L. Rainey, Edmond ◇
Ned and Essie Raun, Stillwater ◇
Paul W. Santelmann, Stillwater ◇
Robert E. Whitson, Stillwater *

Oregon

Holyoke P. Adams, Corvallis
Arnold P. Appleby, Corvallis
B. K. Bhat, Corvallis
Peter Bloome, Corvallis *
Ron Burr, Sublimity
Horace Cheney, Albany ◇
W. James Clawson, Dallas
Stella M. Coakley, Corvallis *
Jeanne DeHaan, Salem
J. L. DeWitt, Milton-Freewater
Thayne R. Dutson, Corvallis ◇
Lisbeth Goddik, Corvallis
Russell S. Karow, Corvallis *
Kelvin Koong, Corvallis *
William C. Krueger, Corvallis
James R. Males, Corvallis
Carol Mallory-Smith, Corvallis
Benjamin J. Mason, Grants Pass ◇
Mark Mellbye, Albany *
James Oldfield, Corvallis ◇
Donald Oldemeyer, Nyssa
Polly Owen, Aurora
Manuel Silveira, Stayton
Loydee S. Stonebrink, Rickreall ◇
Stan Timmermann, Pendleton *
Dale W. Weber, Corvallis
J. Lowell Young, Corvallis ◇
William C. Young, Corvallis

Pennsylvania

James L. Adams, Rheems
John E. Ayers, University Park
John E. Baylor, State College *
J. Russell Bishop, Lansdale
David Blumenfeld, New Britain *
Linda G. Carter, Kennett Square
Robert E. Graves, University Park ◇

Robert D. Grobengieser, Lancaster
Earl Haas, Harrisburg
Marvin H. Hall, University Park
David W. Harlan, Wyalusing *
Owen D. Keene, Annville
Verdean E. Keyser, Boswell ◇
David Kritchevsky, Philadelphia
Charles R. Krueger, University Park ◇
John R. Lake, Harrisburg
David G. Lutz, New Holland
Harold G. Marshall, Bellfonte ◇
Gregory P. Martin, Elizabethtown
Lawrence D. Muller, University Park
David Nash, Hulmeville
Denise Marie Ratterman, Philadelphia *
Joe M. Regenstein, Pittsburgh *
George A. Somkuti, Lansdale ◇
Peter E. Spangler, Greensburg ◇
Donald V. Waddington, Boalsburg
Kurt M. Walker, Somerset
Paul J. Wangsness, University Park
Robert H. Whitlock, Kennett Square
Lowell L. Wilson, State College
Paul J. Wuest, State College
Roger S. Young, Quincy *
Roy E. Young, Bellefonte

Puerto Rico

Fred Fernandez Coll, San Juan
Carmen A. Oquendo, Trujillo Alto

South Carolina

Susan Barefoot, Clemson *
William L. Hollis, Columbia ◇
Alfred Manwiller, Florence ◇
Neil J. Ogg, Pendleton
Howard J. van Dijk, Sumter *

South Dakota

Darrell W. DeBoer, Brookings
Paul E. Fixen, Brookings
David Henning, Brookings
Alex L. Kahler, Brookings
David J. Schingoethe, Brookings
SDSU Extension Plant Science,
Brookings

Tennessee

Harold L. Barrows, Lookout Mountain
Richard R. Bonczek, Oak Ridge
Clark J. Brekke, Knoxville
Mitchell Buddy, Knoxville
P. Michael Davidson, Knoxville
Bill Draper, La Vergne
Steve Gibbs, Philadelphia
David E. Harmon, Morristown ◇
Richard L. Large, Memphis ◇
Robert D. Linnabary, Knoxville
Monty Montgomery, Knoxville
Daryll E. Ray, Knoxville
Robert Seifert, Collierville
J. Paul Sutton, Jackson
James Dennis Taylor, Pulaski
Troy Wakefield Jr., Nashville ◇
Dennis R. West, Knoxville *

Texas

Vivien G. Allen, Lubbock
Sergio Arispe, Houston

2005 CAST Membership

Dick Auld, Lubbock
Larry D. Barnes, Lubbock
Alberto Bartek, Killeen
James B. Beard, College Station
B. E. Brokaw, Abilene
O. D. Butler, College Station ◇
Aubrey L. Cartwright, College Station
Esper Chandler, Edinburg *
James M. Chandler, College Station
Neville P. Clarke, College Station
Charles Cobb, Hereford
Noel Andy Cole, Bushland
Carl E. Coppock, San Antonio
Elvis R. Cozart, Santa Anna
Tim D. Davis, Dallas
Peter Dotray, Lubbock
Jackson Dzakuma, Prairie View *
Kenneth Eng, San Antonio
Cady R. Engler, College Station ◇
Paul F. Engler, Amarillo ◇
Larry James Ermis, College Station
Charles W. Everson, Missouri City ◇
Hank Fitzhugh, Fort Worth
John R. Gannaway, Lubbock
Richard W. Griffin, College Station
Paul G. Harms, College Station
Ernest M. Harper, Bloomington
Delbert C. Hess, Abilene *
Edward A. Hiler, College Station
John R. Hunter, Lubbock
Jimmy T. Keeton, College Station
William K. Keller, San Antonio
Herman Kiesling, San Angelo
Willie Krueger, College Station
Harriott O. Kunkel, College Station *
Robert A. Lane, Huntsville
Jerrell L. Lemunyon, Fort Worth
Wesley Masters, Cotton Center
A. Bruce Maunder, Lubbock ◇
Tom McDonald, Dalhart ◇
John L. Merrill, Crowley
Hilmar G. Moore, Richmond ◇
Rod O'Connor, College Station
Paul D. Ohlenbusch, Georgetown
Alfred Parks, Prairie View *
James F. Petta, New Braunfels
John S. Rogers, Bryan
Randy Rosiere, Stephenville
Edward C. A. Runge, College Station ◇
A. M. Schubert, Lubbock *
Stephen W. Searcy, College Station *
John W. Sij, Vernon
Harry E. Snyder, Big Sandy *
L. R. Sprott, College Station
Ann Thurston, Plano *
Nancy Turner, College Station *
David K. Waggoner, Hillsboro
John W. Walker, San Angelo
Neil F. Walter, Oglesby
R. Mike Watkins, Denton *
Gary Wingenbach, College Station
Chris G. Woelfel, College Station
J. Leon Young, Nacagdoches
David A. Zuberer, College Station *

Utah

R. Kent Crookston, Provo *
Howard M. Deer, Logan

Steven Dewey, Logan
Mark C. Healey, Logan
J. T. Huber, Orem
Homer M. LeBaron, Heber City ◇
Jennifer MacAdam, Logan
Darrell H. Matthews, Cedar City ◇
Lyman S. Willardson, Logan
Allen J. Young, Logan

Vermont

Richard E. Nelson, Brattleboro

Virginia

Dennis T. Avery, Churchville
John A. Becker, Falls Church
Mahlon A. Burnette III, Great Falls ◇
Robert G. Coon, Fairfax
Joseph D. Eifert, Blacksburg
Mark J. Estienne, Suffolk
Joseph Fontenot, Blacksburg
Nancy Foster, Vienna
Michael J. Goldblatt, Arlington ◇
Patricia A. Hipkins, Blacksburg
Gerald L. Jubb, Blacksburg
Candi Kelly, Blacksburg ◇
Kelly Kincannon, Vienna *
George J. Kriz, Winchester
W. Kirk Miller, Arlington
Robert A. Moore, Woodbridge
Thomas W. Orme, Purcellville ◇
Ronald Pearson, Blacksburg ◇
Fred Shokes, Suffolk
John F. Shoulders, Blacksburg
Charles M. Smith, Alexandria *
David E. Starner, Orange
Susan B. Sterrett, Painter
J. Richard Storey, Williamsburg ◇
J. C. Torio, Fairfax
Michael J. Weaver, Blacksburg
Cynthia M. Wood, Blacksburg
Catherine Woteki, McLean
Lucien Zelazny, Blacksburg

Washington

Rhoda M. Benson, Wapato
Gaylon S. Campbell, Pullman
Murray D. Dawson, Bothell
David W. Evans, Prosser ◇
Paul F. Figueroa, Chehalis
Almon S. Fish Jr., Bellevue ◇
Lawrence K. Fox, Pullman
C. B. Harston, Albion
Larry K. Hiller, Pullman ◇
Joe K. Hillers, Coupeville
Charles Matthaeci, Tacoma *
Bernalyn McGaughey, Lakewood ◇
John P. McNamara, Pullman ◇
Barton R. Nelson, Walla Walla *
Diane Panetta, Tukwila
Robert Parker, Prosser
Phil J. Petersen, Moses Lake
Lawrence E. Schrader, Wenatchee
Jean Smith, Kennewick
Robert G. Stevens, Prosser
Steven E. Ullrich, Pullman *
Leavitt S. White, Olympia ◇
Michael J. Willett, Yakima *
Tom Young, Walla Walla ◇

West Virginia

John Bargeloh, Mineral Wells
Robert L. Cochrane, Morgantown *
Gary H. Heichel, Martinsburg
Robert H. Maxwell, Morgantown ◇

Wisconsin

Elton D. Aberle, Madison
Robert F. Barnes, Madison ◇
Larry Baumann, River Falls
Joel D. Berry, Rhinelander
Larry L. Borchert, Madison ◇
Kenneth Robert Cartwright,
Oshkosh *
Arthur Cole, Prairie du Sac
Richard B. Corey, Madison *
Jerry Doll, Madison
Meganne W. Finerty, Appleton *
Paul Gould, Waunakee
Louis Greub, River Falls
William Johnson, Portage *
Kenneth C. Kilian, Platteville
Kevin Ladwig, Sheboygan Falls
Richard L. Lower, Madison *
David R. Mertens, Madison
David J. Miller, Arlington
J. Mark Powell, Madison
Dwayne A. Rohweder, Middleton
Larry D. Satter, Madison
Triveni P. Shukla, Mukwonago ◇
Rodrigo Tarte, Madison
Richard J. Wagner, Weyauwega
Leo M. Walsh, Madison ◇
Aaron Waltz, Janesville

Wyoming

John L. Baker, Lander
Francis D. Galey, Laramie
Richard Gray, Moorcroft
Roy and Jacqueline Holland,
Gillette ◇
Farrel G. Hoopes, Afton
David W. Koch, Laramie *
Stephen D. Miller, Laramie ▲
Bill & Mark Semlelt, Rozet
Alvin L. Young, Cheyenne

AUSTRALIA

Shaun Coffey, St. Lucia QLD *

BAHAMAS

John L. Hammerton, Nassau*

BRAZIL

Louis Pascal de Geer, Barretos
Bernardo van Raij, Campinas

CANADA

E. Atimoyoo, Saskatoon
Tim Blackwell, Fergus
Jim Dalrymple, Brighton
Dale Engstrom, Edmonton
Evans N. Estabrooks, New Maryland *
Essi H. Evans, Bowmanville
Gordon Fairchild, DSL, Saint-Andre
Robert Hall, Guelph ◇
James A. Hobbs, Winnipeg
Jerry A. Ivany, Charlottetown
Paul C. Lague, Baie d'Urfe

Marilyn B. Lee, Toronto
John N. Mitchell, Dalkeith ◇
Erasmus Okine, Edmonton
Arnold B. Pierce, Calgary
Judy Shaw, Guelph *
Ian L. Stevenson, Ottawa
Sunterra Farms Ltd., Acme *
Janice Tranberg, Saskatoon
John Vanderstoep, Surrey *
W. Woodbury, Winnipeg ◇

COLOMBIA

Sergio Martinez, Cartagena *

COSTA RICA

Jorge M. Sanchez, Heredia

DENMARK

Arne Moller, Hundested

GREECE

Constantin Genigeorgis, Panorama

HONDURAS

Dale T. Krigsvold, San Pedro Sula

INDIA

Manharbhai Dayaljbhai Patel,
Baroda *

IRELAND

Thomas Butler, County Wicklow *
Brendan Lynch, Fermoy, County
Cork *

ITALY

Franco Calini, Lugo

JAPAN

Tetsuhisa Goto, Kami Ina
Hidesuke Karl Sera, Tokyo

MEXICO

Francisco Mayorga, Zapopan *
Fernando Mayorga Castaneda,
Guadalajara

PANAMA

Jose L. Pacheco, Penonome Cocle *

PHILIPPINES

Lourdes M. Labrador, Makati
M-Manila *

SPAIN

Emilio Godia, Monte Julia, Huesca

TAIWAN ROC

Shu-Kong Chen, Taipei
Kou-Joong Lin, Chia-Yi *

UNITED KINGDOM

Leon Gorris, Sharnbrook (Bedford) ◇

Sustaining Members 2005

Member Societies

AACC International
American Academy of Veterinary and Comparative Toxicology
American Agricultural Economics Association
American Association for Agricultural Education
American Association of Avian Pathologists
American Association of Pesticide Safety Educators
American Board of Veterinary Toxicology
American Dairy Science Association
American Forage and Grassland Council
American Meat Science Association
American Meteorological Society Committee on Agricultural and Forest Meteorology
American Peanut Research and Education Society
American Phytopathological Society
American Society for Horticultural Science
American Society for Nutrition
American Society of Agricultural and Biological Engineers
American Society of Agronomy
American Society of Animal Science
American Society of Plant Biologists
American Veterinary Medical Association
Aquatic Plant Management Society
Association for the Advancement of Industrial Crops
Association of American Veterinary Medical Colleges
Council of Entomology Department Administrators
Crop Science Society of America
Institute of Food Technologists
North American Colleges and Teachers of Agriculture
North Central Weed Science Society
Northeastern Weed Science Society
Poultry Science Association
Rural Sociological Society
Society for In Vitro Biology
Society of Nematologists
Soil Science Society of America
Southern Weed Science Society
Weed Science Society of America
Western Society of Weed Science

Associate Organization

National Alliance of Independent Crop Consultants

Ex Officio Members

Agricultural Institute of Canada
American Institute of Biological Sciences
Association of Research Directors

Companies and Cooperatives

Agriliance, LLC
Alico, Inc.
American Proteins, Inc.
BASF Corp., Chemicals Division
Bayer CropScience
Campbell Scientific, Inc.
Cerexagri, Inc.
CHS, Inc.
Church & Dwight Company, Inc.
Cobb-Vantress
Coca-Cola Company
Compliance Services International

Deere & Company
Dow AgroSciences, LLC
Eli Lilly and Co., Elanco Animal Health
Exseed Genetics
Farmers National Company
Fort Dodge Animal Health
Gerber Products Company
GROWMARK, Inc.
Hoard's Dairyman Magazine
Hy-Line International
ISK Biosciences Corporation
Kraft Foods Global, Inc.
Land O' Lakes Purina Mills Feed, LLC
McGregor Company
Midwest Laboratories, Inc.
Monsanto Life Sciences Company
Nitragin, Inc.
Novus International, Inc.
Perdue Farms, Inc.
Philip Morris USA
Pioneer, A Dupont Company
Potash Corporation of Saskatchewan, Inc.
Progressive Farmer
Riceland Foods, Inc./Riceland Foods Foundation
Sukup Manufacturing Company
Summit Helicopters, Inc.
Syngenta Crop Protection, Inc.
Syngenta Seeds
Townsend Engineering
Van Diest Supply Company
Wilcox Farms, Inc.
Zeigler Brothers, Inc.

Nonprofit Organizations

American Agri-Women
American Seed Trade Association
American Society of Agricultural Consultants
American Society of Sugar Beet Technologists
Arkansas Crop Protection Association
Association of American Feed Control Officials
Association of American Plant Food Control Officials
Association of Equipment Manufacturers
Association of Texas Soil and Water Conservation Districts
Biotechnology Industry Organization
California Cattlemen's Association
California Citrus Quality Council
California Crop Improvement Association
California Farm Bureau Federation
California Fig Institute
Canadian Agri-Food Research Council
CropLife America
Delmarva Poultry Industry, Inc.
Florida Farm Bureau Federation
Foundation for Agronomic Research
Indiana Crop Improvement Association, Inc.
Indiana Horticultural Society
Iowa Beef Industry Council
Iowa Farm Bureau Federation
Iowa Pork Producers Association
Iowa Soybean Association
Iowa State University Agronomy Department
Iowa Turkey Federation

Sustaining Members 2005

Kansas Agribusiness Retailer Association
Kentucky Turfgrass Council
Louisiana Farm Bureau Federation
Mid America CropLife Association
Mississippi Soybean Association
Missouri Agricultural Industries Council, Inc.
National Association of Animal Breeders
National Chicken Council
National Cotton Council of America
National Grain and Feed Association
National Meat Association
National Pork Board
National Renderers Association
Nebraska Agri-Business Association
Nebraska Farm Bureau Federation
New York State Vegetable Growers Association
North Carolina College of Agriculture and Life Sciences
North Carolina Farm Bureau Federation
Oklahoma Seed Trade Association
Oregon Department of Agriculture
Oregon Seed Council
Pennsylvania Pork Producers Council
Potash and Phosphate Institute
Purdue College of Agriculture
Rice Research Board
Samuel Roberts Noble Foundation, Inc.
Southern Crop Production Association
Texas Farm Bureau
Texas Pork Producers Association
Texas Poultry Federation
The Sulphur Institute
U.S. Golf Association
U.S. Poultry and Egg Association
United Egg Producers
University of Nebraska Pesticide Education Office
Virginia Farm Bureau Federation
Wyoming Farm Bureau Federation

Subscribers

Albert R. Mann Library, Cornell University
Alberta Government Library
Canadian Agriculture Libraries
Cargill, Inc. Library
Colorado State University Libraries
Congressional Research Service
Corporate Library, Anheuser-Busch, Inc.
Deere & Company Library
Evansdale Library
Federal Reserve Bank of Kansas City Research Library
Georgia Experiment Station Library
Hamilton Library, University of Hawaii
Harold B. Lee Library, Brigham Young University
Hawaii Agriculture Research Center Library
Hilton M. Briggs Library, South Dakota State University
Indiana University Libraries
Lehigh County Cooperative Extension
Library of Science and Medicine, Rutgers University
Life and Health Science Library, University of Nevada,
Reno
Magrath Library, University of Minnesota
Manitoba Agriculture, Food and Rural Initiative
Margaret and Herman Brown Library, Abilene Christian
University

McKeldin Library, University of Maryland
McLaughlin Library, University of Guelph
McRae Library, Nova Scotia Agricultural College
Michigan State University Libraries
National Agricultural Library, USDA
New York Center for Agricultural Medicine and Health
North Carolina State University Libraries
North Dakota State University Libraries
Ohio State ATI Library
Oregon State Library
Parks Library, Iowa State University
Purdue University Libraries
Rawlins County Jr./Sr. High School, Agriscience
Department
Tennessee Farm Bureau Federation
Texas A&M University at Evans Library
Texas Tech University Libraries
University of California at Davis Library
University of Georgia Library
University of Idaho Library
University of Tennessee Library
Virginia Tech University Libraries
Wageningen University and Research Centre
William T. Young Library, University of Kentucky

Grantors

International Turf Producers Foundation
National Pork Board
Responsible Industry for a Sound Environment
State of Georgia, Department of Natural Resources
U. S. Environmental Protection Agency
U. S. Golf Association
U. S. Trade and Development Agency
USDA Agricultural Research Service
USDA Cooperative State Research, Education, and
Extension Service
USDA Cooperative State Research, Education, and
Extension Service Special Grant/Iowa State University
W. K. Kellogg Foundation, through partnership with the
Institute for Conservation Leadership

Financial Statements

Statement of Financial Position December 31, 2005

ASSETS

Current Assets	
Cash and cash equivalents	\$ 84,228
Accounts and contributions receivable	5,093
Grants receivable	25,652
Prepaid expenses	<u>12,955</u>
Total Current Assets	127,928
Investments	702,397
Property and Equipment,	
less accumulated depreciation	<u>167,498</u>
Total Assets	<u><u>\$997,823</u></u>

LIABILITIES AND NET ASSETS

Current Liabilities	
Accounts payable	\$ 13,912
Unearned dues	83,546
Refundable grants	112,397
Accrued vacation	6,774
Current portion of long-term debt	<u>7,169</u>
Total Current Liabilities	223,798
Long-Term Debt,	
less current portion above	<u>26,782</u>
Total Liabilities	<u>250,580</u>
Net Assets	
Unrestricted:	
Undesignated	477,982
Board designated	208,630
Total Unrestricted Net Assets	686,612
Temporarily restricted	<u>60,631</u>
Total Net Assets	<u>747,243</u>
Total Liabilities and Net Assets	<u><u>\$997,823</u></u>

Statement of Activities Year Ending December 31, 2005

Revenue and Support	
Memberships	\$325,963
Subscriptions	4,600
Sales	5,912
Other income	3,181
Contributions and grants	143,976
Federal grants	302,441
Interest and dividends	16,863
Realized gain on investments	26,435
Unrealized gain on investments	<u>562</u>
Total Revenue and Support	<u>\$829,933</u>
Operating Expenses	
Program services	
External projects	356,975
Publishing	77,204
Charles A. Black Award	<u>4,352</u>
Total Program Services	438,531
Supporting services	
Management and general	334,216
Membership development and fundraising	<u>43,568</u>
Total Supporting Services	<u>377,784</u>
Changes in Net Assets	<u>13,618</u>
Net Assets, Beginning of Year	<u>733,625</u>
Net Assets, End of Year	<u><u>\$747,243</u></u>