

Agricultural Science & Technology

CAST

1972-2012

*Remembering
Our Past ~
Ensuring
Our Future*



~ Remembering Our Past ~ Ensuring Our Future ~

Mission

CAST assembles, interprets, and communicates credible, science-based information regionally, nationally, and internationally to legislators, regulators, policymakers, the media, the private sector, and the public.

Vision

CAST will be recognized as a credible and objective source of science-based information on agricultural issues across the urban–rural continuum—especially those issues regarding food, fiber, landscape environments, and agriculturally related natural resource, societal, and environmental concerns.



The Science Source for Food, Agricultural, and Environmental Issues

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CAST: Meeting the Need To Be Well Informed

More than ever before, it's important—and difficult—to be well informed. And that certainly applies to the rapid advancements being made in agricultural science. With the continuing pressures for more regulations to restrict agriculture, each of us must work doubly hard to be certain of the scientific facts that are a part of public policy decision-making. The Council for Agricultural Science and Technology (CAST) was formed by agricultural scientists to meet this need.

—B. P. Cardon, CAST President
July 1976

This message about CAST and its importance to agricultural science might well have been composed recently by an advocate of this organization as CAST prepares to celebrate its 40th anniversary. However, these words were written 35 years ago when the Council for Agricultural Science and Technology was only in its fourth year of existence. Since its founding in 1972, CAST and the many scientists it represents have provided a strong, consistent source of information about food and agricultural science through publications, presentations, and outreach. Recently, social media activities have been added to the mix. CAST has partnered with many outstanding organizations, both private and governmental, to communicate science-based information to a widening audience of its stakeholders: legislators, regulators, policymakers, the media, the private sector, and the public.

This booklet has been prepared on the occasion of CAST's 40th anniversary to showcase some of the highlights of the organization and its members. A lot has happened in 40 years, so these pages represent, by necessity, only a glimpse into the history of CAST.

The theme for this anniversary acknowledges both what lies behind and what lies ahead for CAST: *Remembering Our Past ~ Ensuring Our Future*. We hope you will enjoy the celebration and will help CAST continue to reach out into the future.



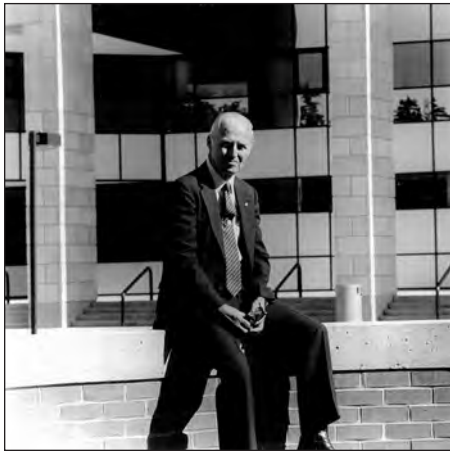
Council for Agricultural Science and Technology. 2011.

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Norman Borlaug: A CAST Advocate for 35 Years



Dr. Borlaug in front of the ISU Library, repository for his papers and other CAST archived material (1984).

Dr. Norman E. Borlaug, one of only five people in history to be awarded the Nobel Peace Prize, the Presidential Medal of Freedom, **and** the Congressional Gold Medal, was a promoter of CAST since its founding in 1972. His remarks on behalf of CAST at the initial CAST–Industry meeting in 1973 later appeared as CAST’s first published Paper, and articles on Borlaug’s life and work have appeared in several CAST publications through the years.

Dr. Borlaug received CAST’s first “Distinguished Achievement Award in Food and Agricultural Science” as part of CAST’s 10-year anniversary. On that same occasion, a tree was planted in his honor on the ISU campus, where it continues to grow and mature. In 1998 as part of an American Crop Protection Association’s Annual Meeting (now CropLife America), CAST presented a special trophy to Dr. Borlaug commending him for his scientific and humanitarian contributions to reduce the extent of hunger and starvation.

In April 2005, CAST presented the Charles A. Black Award to Dr. Borlaug for his outstanding achievements as a scientist, educator, and communicator. Dr. Borlaug participated in an Open Forum with other guest speakers and later made a presentation to CAST Board Members and guests during which he voiced his continued support for the work CAST is doing.

“Let me say that it is a real pleasure for me to see the progress that CAST has made.... I hope that more of our scientific societies will see the light and join CAST and participate. We need to pool our scientific knowledge as well as our cultural knowledge. I think that membership in CAST is a long step forward toward achieving that.... I have watched with delight the vacuum that has been filled by CAST in presenting soundly based scientific publications covering a vast array of subjects that relate to agriculture and animal industry.”

—Norman E. Borlaug
CAST’s 10th Anniversary (1982).

CAST Issue Paper 45, *Agricultural Productivity Strategies for the Future: Addressing U.S. and Global Challenges*, was released in January 2010. It is dedicated to Dr. Borlaug, who wrote the paper’s preface before his death in September of 2009, and to his myriad accomplishments. Issue Paper 45 is a forthright appraisal of the unprecedented challenges facing twenty-first century agriculture.



Dr. Borlaug receives CAST’s Charles A. Black Award in Washington, D.C. (2005).



CAST EVP John Bonner and Dr. Borlaug at the World Food Prize Event in 2005.

CAST in the 1970s

- A planning committee is convened by the National Research Council of the National Academy of Sciences to discuss “The Role of Agricultural Scientific Societies” (1970).
- Representatives of 16 scientific societies meet to discuss the new organization and decide on a name: Council for Agricultural Science and Technology (CAST). Seven societies vote to become members of CAST (1971).
- CAST is chartered as a nonprofit organization. CAST releases its first Special Publication, *Directory of Environmental Scientists in Agriculture*, and distributes 5,000 copies to news media, government officials, and other opinion leaders (1972).
- CAST is introduced as a new organization at the John Deere Administrative Center, Moline, Illinois. Norman Borlaug’s presentation at the meeting becomes CAST Paper No. 1. The first Board of Directors Meeting is held in Bettendorf, Iowa, and Report No. 1 is published. CAST conducts a “Pesticide



CAST Board of Directors Meeting, Bettendorf, Iowa (1973).

Dial-ogue” with a group of 20 scientists answering telephone questions from all over the United States (1973).

- The first issue of *News from CAST* is published. CAST’s “Operational Guidelines” are approved, and a Budget and Finance Committee is organized (1974).

- The first of CAST’s six annual “Food Day Dial-ogues” is held (up to 1,800 questions are received by 28 scientists). CAST cosponsors news conferences in major cities to call public attention to facts about food. The Executive Committee meets in Ames, Iowa, for the first time (1975).

- The first *Comments from CAST* item is published. CAST arranges for a scientist to participate in a Little Rock, Arkansas, television program concerning application of 2,4,5-T in national forests of the state. Representatives of CAST and the Task Forces for Reports No. 47 and No. 59 speak at an Environmental Protection Agency hearing on banning of chlordane and heptachlor (1976).



CAST featured on “Country Day” television program (1978).



CAST's second Food Day Dial-ogue (1976).

- The CAST Board forms three new committees—Long-Range Planning; Education; and Communications and News Media Relations—and appoints a Washington Liaison. Four cooperating agricultural organizations are offered ex officio representation on the Board. CAST hosts an “Energy Conservation in Agriculture” symposium in Kansas City, Missouri. The first edition of *Annual Meeting Dates and Sites of Member Societies of CAST* is published (1977).

“These people [CAST] are doing a thorough, definitive, and scientific job of...facing the challenges of getting their story across to Congress, universities, and public leaders. [They] do a good job of backing up their rhetoric with facts.”

—Congressman Mark Andrews of North Dakota, as part of the annual meeting of the Animal Health Institute (1976)

- An episode of the “Country Day” television program features CAST. The first edition of *Publications of the Council for Agricultural Science and Technology and Its Member Societies* is published. CAST representatives meet with an

official of the U.S. Department of Agriculture—Animal and Plant Health Inspection Service to discuss ways of getting more objective scientific information into decision making in the USDA. CAST hosts a reception for leaders of agricultural groups and government officials in Washington, D.C. (1978).

- The Board meets in St. Louis, Missouri, and holds a forum to review the guidelines for the Task Force process and other operational procedures of CAST. Charles A. Black retires from Iowa State University and becomes a full-time employee of CAST, completing the goal of establishing a fully independent organization. CAST creates an exhibit to display its publications and activities (1979).



CAST moves to its new office in the Memorial Union at Iowa State University (1979).

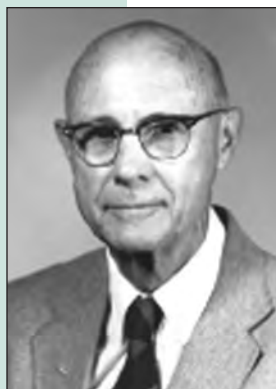
Charles A. Black

Charles A. Black is generally recognized as not only the primary founder of CAST, but also its “moving spirit” from its inception in 1972 until he retired from the Board in 1988. Dr. Black’s vision was to get accurate agricultural information from food and agricultural scientists to congressional committees, governmental agencies, and the media. At a 1970 meeting of the Agricultural Board of the National Academy of Sciences—National Research Council, Dr. Black was appointed chairman of a five-member planning committee charged with pursuing the idea of “an independent association of the agricultural science societies.”

CAST was organized in 1972 with Dr. Black as its first president. Under his leadership, CAST grew to include 25 scientific societies and more than 3,500

members. During his tenure as President, and then Executive Vice President, CAST published close to 100 major reports, including reports on dietary goals of U.S. citizens, antibiotics in animal feed, the effects of regulation on the development of agricultural chemicals, water and energy use in agriculture, and principles of carcinogenicity in foods.

Until his death in 2002, Dr. Black was a lifelong advocate of the role of science in public policy decision making. In his honor, CAST established the Charles A. Black Award in 1986. Dr. Black was the first recipient of this award, which was presented annually for 23 years.



“We need to re-examine continually, in the light of current circumstances, what we are doing in agriculture.... If we temper our observations with realism, they can

provide valuable guidance for the future.”

—Charles A. Black
Letter to U.S. Secretary of Agriculture Bob Bergland
October (1977)



- CAST hosts its first Congressional breakfast for members and staffs of the Senate and House Agriculture Committees, the subcommittees on Agricultural Appropriations, and the Office of Technology Assessment. CAST establishes State Liaison Representatives and sponsors a first workshop in New Orleans, Louisiana, and a second one in Madison, Wisconsin. The Board procedures are reorganized, placing emphasis on conducting business through an expanded committee structure (1980).
- The Executive Committee meets in Dallas, Texas, and begins a program of periodic attendance of CAST officers at the annual meetings of member societies. CAST hosts a reception for agribusiness leaders in the Dallas area. CAST begins charging nonmembers for its publications (1981).



CAST hosts its first Congressional Breakfast, Washington, D.C. (1980).

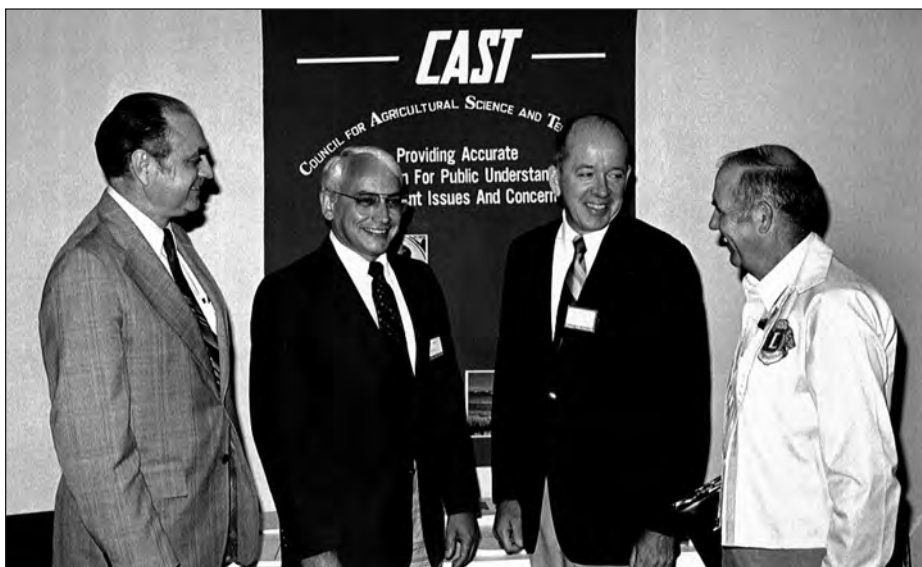
- Twenty-three people contributing \$100 or more annually are recognized by Century Club membership. The Board meets in Ames, Iowa, to celebrate CAST's 10th Anniversary with special events and guest speakers. The first "Distinguished Achievement Award in Food and Agricultural Science" is presented to Norman E. Borlaug. Board members vote to launch a magazine for

high school science teachers, titled *Science of Food and Agriculture* (1982).

- Report No. 98, *The Emerging Economics of Agriculture: Review and Policy Options*, is released by the Joint Economic Committee at a hearing in Washington, D.C. A new category designated as "Lifetime Membership"—later named "Cornerstone Club"—is approved by the Board. The first issue of *Science of Food and Agriculture* is printed and distributed to 12,000 high school science department heads nationwide; the magazine is funded on a special grants basis for a three-year period (1983).

- During a Board of Directors meeting at the University of Georgia, the staff is authorized to computerize the CAST office and to move ahead with a survey of congressional members and staff regarding CAST publications (1984).

- The Board of Directors meets in Arlington, Virginia, and takes action to reduce the Board's size by five members. A CAST-sponsored scientist testifies at a hearing on the Federal Food Irradiation and Development and Control Act of 1985. The CAST office relocates to 137 Lynn Avenue, Ames (1985).



CAST provides information at the Annual Reciprocal Meat Conference (1981).

- CAST continues its tradition of hosting congressional breakfasts; this year marks the seventh annual event. The Board authorizes an expanded-distribution magazine project (1986).
- CAST moderates a USDA Regional Conference on “Agricultural Biotechnology and the Public” (1988).
- A site visit team from the Board of Directors meets in Ames, Iowa, to evaluate the management of CAST. News releases on two subjects—bovine somatotropin and President Bush’s food safety plan—are written and submitted to Congress, the news media, and other selected groups (1989).

CAST’s 10-Year Anniversary

Although CAST’s official 10th Anniversary was in May of 1982, the celebration was held July 29, 1982, in conjunction with CAST’s semi-annual Board of Directors Meeting in Ames, Iowa, at the Memorial Union on the ISU campus. Several activities were scheduled for the July celebration, including the following:

- A special ceremony honoring Dr. Norman Borlaug, Nobel Peace Prize winner and charter CAST supporter, at which a scarlet oak tree recently planted on the ISU campus and an accompanying marker were dedicated in his honor
- Presentation of CAST’s first “Distinguished Achievement Award in Food and Agricultural Science” to Dr. Borlaug
- A news conference for Dr. Borlaug following the dedication ceremony and a luncheon at which ISU’s Associate Dean of Agriculture welcomed the CAST Board of Directors to campus
- The 10th Anniversary banquet, at which Dr. Borlaug was the guest speaker, addressing CAST members and guests on “The Place of Science in the Policymaking Process”

In addition,

- A summary of CAST activities during the first 10 years, with photos and bios of CAST Presidents, was published in the May 1982 issue of *NEWS from CAST*;



(Above) Dr. Norman Borlaug, flanked by CAST officers, addresses participants at the 10-year anniversary presentation (1982).



(Left) Dr. Borlaug rests on the marker in front of the scarlet oak tree dedicated in his honor on the ISU campus (1982).

- A photo spread/narration was published in the July 1982 issue of *NEWS from CAST* highlighting important events in CAST’s 10-year history;
- A special CAST display featuring photographs and brief biographies of the first ten Presidents of CAST was developed.



~ Remembering Our Past ~

CAST in the 1990s

- CAST Members contribute more than \$24,000 for new CAST Office computer equipment to assist in handling publications, membership records, and administration; a new IBM computer system is installed (1990).
- Under contract with the USDA, CAST publishes Report No. 119, *Preparing U.S. Agriculture for Global Climate Change*; the report is used at the United Nations Conference on Environment and Development held in Rio de Janeiro, Brazil. The Executive Committee sends a letter to Senator Tom Daschle, chair of the Agricultural Research and General Legislation Subcommittee of the Senate Committee on Agriculture, Nutrition and Forestry, in support of the National Research Initiative (1992).

"I would conclude that CAST continues to have a very key role to play in helping agricultural scientists communicate with the public and with decision makers. The success of your efforts will continue to depend first upon your commitment and the commitment of your officers and members, and then upon CAST's processes of being certain it is heard."

—Nyle C. Brady, (former) senior assistant administrator for science and technology, U.S. Agency for International Development (1990) [NewsCAST Spring 1990]

the Food Safety Breakout Session of the National Science and Technology Council's Health, Safety, and Food R&D Committee (1994).

- The first *CAST Digest* is published, and the first CAST website is launched. CAST participates in a conference on "Sustainable Agriculture and the 1995 Farm Bill" and initiates a program called "Scientific Societies: Conversations on Change." CAST introduces a new logo, including the motto "The Science Source for Food, Agricultural, and Environmental Issues" (1995).

- CAST submits testimony to the Senate Committee on Agriculture, Nutrition and Forestry addressing the Delaney



CAST officers at the ribbon-cutting ceremony for CAST's new building (1993).

Clause. CAST adds text of some of its publications to the website and begins sending out e-mail newsletters ("CAST Update") to leaders of member societies. CAST sponsors two briefings for congressional staff on trade and agriculture issues (1996).

- The Board of Directors meets in Ames, Iowa, and celebrates the 25th Anniversary. CAST sponsors a major international conference on "Food Safety, Sufficiency, and Security: Domestic and

- A new series of publications, called Issue Papers, is approved and the first paper is published: *Admissible Scientific Evidence in Court*. CAST moves to its newly remodeled building at 4420 W. Lincoln Way, Ames, Iowa, and holds a ribbon-cutting ceremony. CAST participates in a Food Biotechnology Conference in Washington, D.C., with the Institute for Science in Society. Senator Charles Grassley requests names of scientists to serve on an Office of Technology Assessment advisory panel (1993).
- CAST establishes a Washington presence to provide publications and facilitate contacts to congressional staff. The CAST President testifies before




Participants in "Scientific Societies: Conversations on Change" program share ideas and learning (1995).

International Dimensions” and publishes the proceedings. CAST partners with the American Bar Association’s Section of Natural Resources, Energy, and Environmental Law on the first of a series of roundtables (1997).

- Meyers & Associates, a government relations/business consulting firm, is hired to represent CAST in Washington, D.C. Announcements of new publications and occasional updates are distributed through e-mail listservs. CAST cohosts a climate change workshop, “Carbon Sequestration in Soils: Science, Moni-

toring, and Beyond.” CAST provides written testimony to the USDA regarding research prioritization questions raised by the Initiative for Future Agriculture and Food Systems (1998).

- CAST sponsors a workshop on “The Food Quality Protection Act: A Challenge for Science Policy and Pesticide Regulation” and a series of biotechnology briefings. CAST submits a “Comment on Subtherapeutic Use of Antibiotics in Animal Agriculture” to the U.S. Food and Drug Administration (1999).



CAST and the Institute for Conservation Leadership partner on a leadership program, “Conversations on Change” (1995).

CAST’s 25-Year Anniversary

In May, the ISU Department of Agriculture hosted a reception for CAST in recognition of CAST’s 25th year. CAST members from across Iowa, Iowa State University faculty and students, and CAST staff weathered a windy day and threatening sky for the outdoor formal reception. Other activities during 1997 included the following:

- CAST sponsored a major international food conference, “Food Safety, Sufficiency, and Security: Domestic and International Dimensions,” in honor of its 25th anniversary. The conference included a special anniversary banquet.



- CAST produced a commemorative 25th anniversary publication, *Charting the Course to Science-Based Public Policy*. The publication featured comments from many past presidents of CAST.

CAST EVP Richard Stuckey (second from left) with CAST officers and guests at the 25th Anniversary reception (1997).

- Three new societies joined CAST in 1997. With 36 member societies, CAST represented the broadest range of professional organizations in its history.
- 247 CAST Members accepted the challenge to upgrade their membership to the Century Club level.



The Science Source for Food, Agricultural, and Environmental Issues

1972–1997

CAST Publications Series

CAST has an impressive record of publications since its founding in 1972. The earliest type of publication, known simply as **CAST Papers**, comprised a series of 16 documents published between 1973 and 1983. **Special Publications** began in 1972 and continue today with No. 30. **Task Force Reports** have been the mainstay of CAST publications from No. 1 in 1973 through No. 141 in 2004, and two more TF Reports are currently in development. **Comments from CAST** was a series of 61 papers published between 1976 and 1994. The now-familiar **Issue Paper** format began in 1993 and is ongoing at No. 47. The newest type of publication, the quick-turnaround **CAST Commentary**, began in 2003 and the seventeenth Commentary is currently in process.

In addition, from 1983 to 1994, CAST published the *Science of Food and Agriculture*, a semi-annual science magazine for high school students, and *NewsCAST* was published from 1973 to 2006. Add to all these the production of Annual Reports, *Friday Notes*, marketing flyers, news releases, and many individual communication pieces and it is clear why, over the years, the editorial department of CAST has always been a busy place!



Papers

- P1–P16
- January 1973–February 1983
- Speeches and expository statements, other than official letters
- Usually authored by one person
- Numbered as CAST documents because of their character and length



Comments from CAST

- CC1976-1–CC1994-1
- July 1976–February 1994
- Selected letters and short official comments
- Usually written by one person
- Of interest to persons beyond those addressed in the correspondence

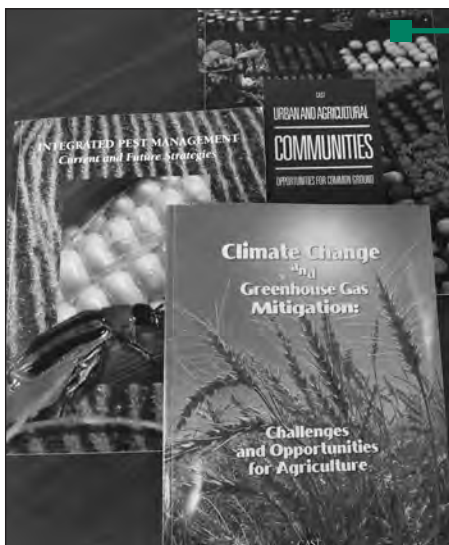
Special Publications

- SP1–SP30+
- November 1972–ongoing
- Proceedings of symposia, conferences, workshops
- Documents prepared to meet a special need
- Usually written by more than one author
- Accessible on the CAST website



Reports (Task Force Reports)

- R1–R141+
- May 1973–ongoing
- Comprehensive treatment of broad topics
- 40 to more than 200 pages in length, with extensive literature citations
- Prepared by a Task Force of authors and reviewers
- Often include figures, tables, photos, and an index
- Accessible on the CAST website





Science of Food and Agriculture

- 1983–1994
- Magazine for high school teachers
- Distributed to approximately 16,000 U.S. high school science departments

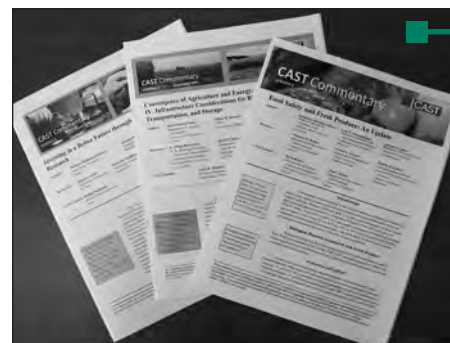


NewsCAST (formerly NEWS from CAST)

- Vol. 1 No. 1–Vol. 33 No. 1
- April 1974–Spring/Summer 2006
- News items, Board updates, photos
- A record of CAST activities and publications
- A way of communicating with CAST’s membership

Issue Papers

- IP1–IP47+
- July 1993–ongoing
- Narrowly focused on a topic, or providing an overview of a larger topic
- 8 to 24 pages with a limited number of literature citations
- Written by a Task Force of authors and reviewers
- Available in hard copy to CAST membership and policymakers
- Accessible free of charge to all users on the CAST website



CAST Commentaries

- QTA2003-1–QTA2011-2+
- December 2003–ongoing
- Brief, 2- to 8-page statements
- Known as “Quick-Turnaround” papers
- Timely response by CAST scientists to current issues
- Accessible free of charge to all users on the CAST website

Annual Reports

- 1979–2010+
- Report from the CAST Executive Vice President to members and stakeholders
- Yearly highlights, including publications released
- Letters from CAST administrators
- Membership lists
- Accessible free of charge to all users on the CAST website



~ Remembering Our Past ~ Ensuring Our Future ~



CAST enters into an agreement with the U.S. Development Agency to coordinate agricultural biotechnology projects.

The U.S. House Agriculture Committee approves the complete library of CAST publications.

Four new work groups are established within the Board of Directors: Crop and Soil Sciences, Animal Sciences, Plant Protection Sciences, and Food Sciences and Agricultural Technology. **1991**

CAST establishes the Charles A. Black Award, designed to recognize exemplary contributions to public understanding of food and agricultural science; Charles Black is the first honoree. **1986**

The CAST Washington representative position (created in 1977 as a volunteer appointment) becomes a part-time staff function. **1984**

1988 on "Agr..."

CAST publishes the names of the 4,484 individual members of CAST in the May issue of *NEWS from CAST*. **1981**

1985 CAST relocates its office to the Charles Black becomes Executive President is chosen for CAST

CAST produces a television news film clip based on Task Force Report No. 53, *Effect of Increased Nitrogen Fixation on Stratospheric Ozone*, to give Americans a more accurate understanding of the problem. The clip is sent to news directors of 150 TV stations in major metropolitan markets. **1977**

CAST officially moves from the Agronomy Building to the Memorial Union on the Iowa State University (ISU) campus. **1979**

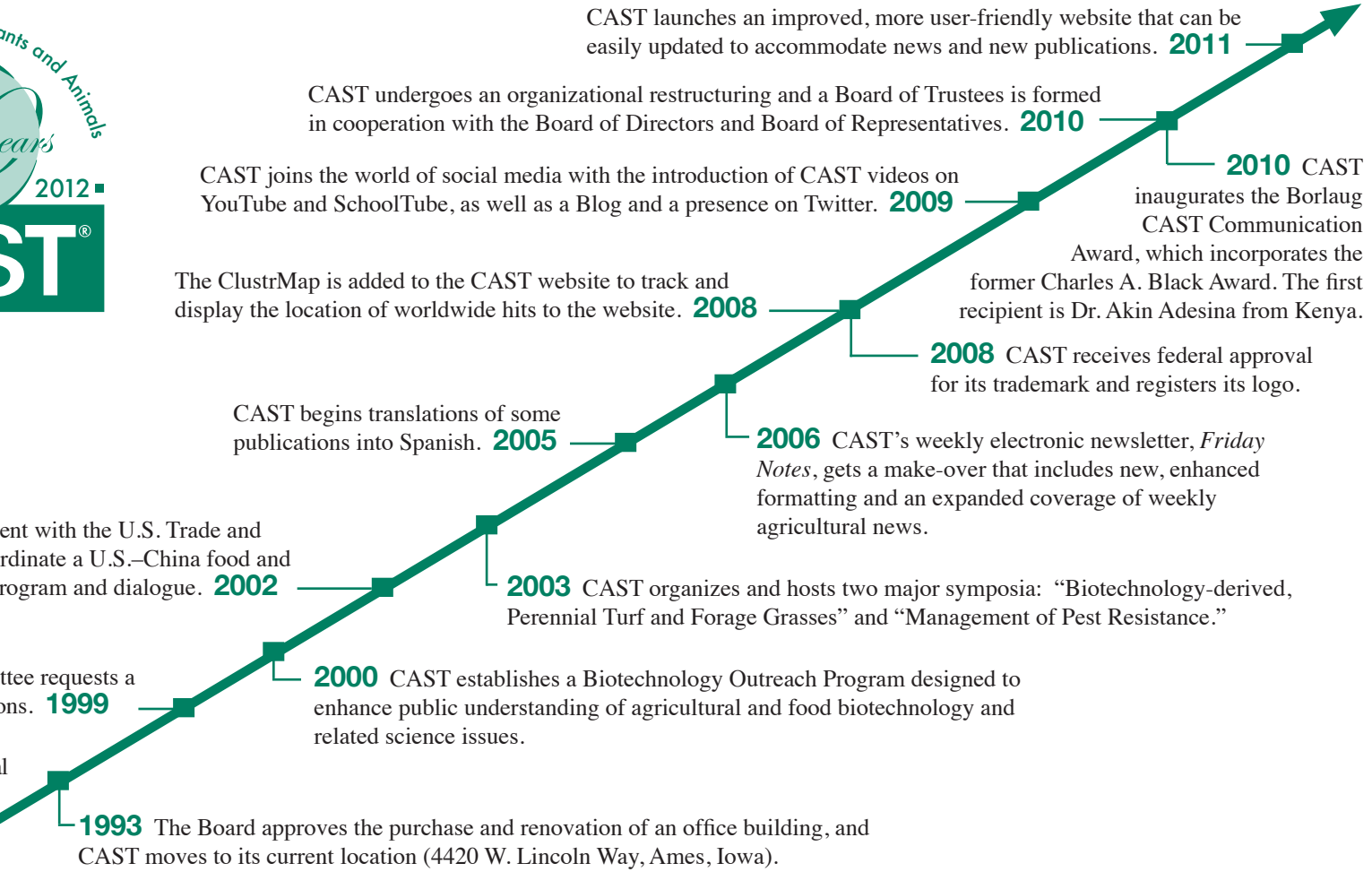
1982 CAST celebrates its 10th Anniversary with special Achievement Award in Food and Agricultural Science

CAST, now composed of ten member societies, holds its first Board of Directors Meeting, in Bettendorf, Iowa. **1973**

1978 CAST grows to become a consortium of 25 food and agricultural science societies. The Communications and News Media Relations Committee is reorganized into the Membership Advisory Committee.

1975 CAST hosts the first of six annual "Food Day Dialogues," during which more than two dozen scientists answered approximately 500 telephone calls from students on subjects of food production, the environment, and agricultural chemicals.

1972 CAST is chartered in Iowa as a nonprofit corporation for "charitable, educational, and scientific purposes."



ent with the U.S. Trade and
ordinate a U.S.-China food and
rogram and dialogue. **2002**

tee requests a
ons. **1999**

CAST moderates a panel for a USDA regional conference
gricultural Biotechnology and the Public."

office from the ISU campus to 137 Lynn Avenue, Ames.
ative Chair of the Board and a new Executive Vice

pecial events in Ames, Iowa. The first Distinguished
is presented to Norman E. Borlaug.

individual
Workshop



~ Remembering Our Past ~

CAST in the 2000s

- CAST establishes a Food and Agricultural Biotechnology Program. CAST and the Institute for Conservation Leadership launch a joint program funded by the W. K. Kellogg Foundation. A series of “Shared Leadership Workshops” is initiated. CAST hosts a symposium on “Agricultural Biotechnology in the Global Marketplace” (2000).
- Twenty-six scientists from academia and professional societies participate in the three-day CAST Biotechnology Communicators’ Summit. CAST hosts a teleconference regarding studies on the impact of Bt corn pollen on monarch butterflies. CAST establishes an office in Washington, D.C., and maintains the Ames office (2001).
- CAST enters into an agreement with the U.S. Trade and Development Agency to coordinate a U.S.–China food and agricultural technology program. CAST publishes a report on biotechnology-derived crops for the United Soybean Board. Task Force scientists participate in an Urban Agriculture Symposium at Texas A&M University (2002).
- CAST and the USDA–APHIS cosponsor a symposium, “Biotechnology-derived, Perennial Turf and Forage Grasses.” CAST releases the first of a nine-part series on animal agriculture and hosts a symposium, “Management of Pest Resistance: Strategies Using Crop Management, Biotechnology, and Pesticides.” The first of CAST’s “Innovation in Biotechnology” briefings with the Senate and House Agriculture Committees is held in Washington, D.C. (2003).
- CAST introduces the “Success Stories in Agriculture” series and offers collections of older publications on CDs. CAST initiates a new Issue Paper format by publishing *Bioenergy: Pointing to the Future* as a collection of five stand-alone pieces (2004).



Cindy Lynn Richard, CAST, meets with Chinese delegates during a TDA Exchange Visit (2004).



John Bonner and former EVP Richard Stuckey burn the mortgage during the 35th Anniversary celebration (2007).

- Norman Borlaug is honored at the Charles A. Black Award dinner, and he participates in a special forum on the state of international agriculture. John Bonner joins CAST as its new EVP/CEO. CAST begins a series of translations of Issue Papers and Commentaries into Spanish and widens its publication distribution (2005).
- CAST sponsors a workshop on “Water Quality and Quantity Issues for Perennial Grasses in Urban Landscapes.” Publication releases include two Commentaries on avian influenza, translation of an Issue Paper into Vietnamese, and four new Issue Papers within a three-week period. The first CAST Champion Award is presented. CAST starts a Graduate Student Educational Program and hosts “Desk-side Briefings” for media personnel to speak with scientists (2006).
- CAST observes its 35th Anniversary with a celebratory meeting in Ames, burning the mortgage for the current location, touring several Iowa State University labs, and hosting a reception for numerous guests. *Feedstuffs* Foodlink agrees to list CAST publications as resources on its website and the *Journal of Poultry Science* publishes an article about CAST. CAST applies for a federal trademark on the use of its name and starts the practice of sponsoring the National Ag Day Student Essay Contest (2007).
- A ClustrMap is added to the website to track the frequency of online visits globally. CAST begins offering its Issue Papers free. CAST receives federal approval for its trademark and registers its logo. CAST expands the practice of training Iowa State students in the business world—student interns receive practical, relevant training that relates to their major. Word-of-mouth recommendations from departing CAST students prompt numerous applications for soon-to-be-vacant jobs (2008).
- CAST publishes an official response to the H1N1 influenza outbreak and distributes it to a wide audience of organizations, societies, government agencies, media outlets, and individuals. In conjunction with its *Fresh Produce Commentary*, CAST contracts with the Capital Media Group to videotape the presentation by William McGlynn and produce a series of shorter videos for use on the CAST website, school and farm network stations, and social media sites. Senator Tom Harkin provides a personal taped endorsement of CAST publications that is merged into the shorter videos (2009).

- The CAST Board approves a new governance structure and revised bylaws. CAST begins its own blog and Twitter account, both of which grow as the year progresses. John Bonner serves as chair of the Agriculture Council of America Board of Directors. Winfield Solutions, LLC, spearheads a new effort by sponsoring CAST's *Friday Notes* for the National FFA Organization. In cooperation with the U.S. Department of Agriculture, CAST sponsors a symposium in Washington, D.C.—“Sustaining Animal Agriculture: Balancing Bioethical, Economic, and Social Issues”. The Congressional Research Service cites two CAST Issue Papers in its *Biotechnology in Animal Agriculture: Status and Current Issues* report (2010).

- Members of the Board of Directors visit with officials in Washington, D.C., during National Ag Day activities. John Bonner visits 135 Capitol Hill offices in 15 months (2010–2011); Senator Grassley expresses appreciation for CAST's

credible information. CAST launches a new and much improved website. CAST holds two activities as side events at the World Food Prize Symposium: a breakfast presentation of the Borlaug CAST Communication Award to Catherine Bertini, and the rollout of CAST's newest Task Force Report on *Carbon Sequestration and Greenhouse Gas Fluxes in Agriculture*. CAST prepares to host a Gala Kick-off Celebration to mark the 40th Anniversary of the organization (2011).



Dusty Holley, Legislative Staffer in Congressman Larry Kissell's office, listens as John Bonner describes the information available in CAST publications (2011).



Senator Chuck Grassley and John Bonner visit in Washington, D.C. (2011).

Taking Its Message to Washington

A common publication rollout venue for CAST in the 2000s became the National Coalition for Food and Agricultural Research (NC-FAR) luncheons held in Washington, D.C., on Capitol Hill. CAST has rolled out 21 of its publications at these Lunch~N~Learn seminars, a cooperative effort between CAST EVP/CEO John Bonner and NC-FAR Executive Director R. Thomas Van Arsdall.

Following is a list, by year, of the number of CAST publications rolled out at NC-Far Lunch~N~Learn seminars:

- 2007—4
- 2008—5
- 2009—6
- 2010—3
- 2011—3 (through September)

Many Washington, D.C., rollouts also took place at USDA “Diverse Voices in Agriculture” seminars and various other stakeholder venues.



(Above left) Audience members at an NC-FAR Lunch~N~Learn in June (2011).



(Left) Left to right: NC-FAR Executive Director Tom Van Arsdall, Task Force Chair and Speaker Bernalyn McGaughey, CAST EVP/CEO John Bonner at an NC-FAR presentation in the Longworth Building (2009).

Friday Notes

In 1996, CAST began electronically distributing *CAST Update*, a newsletter for leaders of Member Societies. By 1998, CAST was offering *CAST News*—occasional updates on CAST activities and announcements of CAST publications—via e-mail, and in 2001, CAST introduced *Friday Notes*, then an update of ag-related news items supplemented by comments from the EVP. *Friday Notes* in this format was published periodically from the D.C. office until September 2004, when it became the responsibility of the editorial staff in the Ames office and evolved into a weekly e-publication. Associate Editor Lynette Allen worked closely with EVP John Bonner to upgrade and expand *Friday Notes* to its current format; Dan Gogerty took it over in 2010 and continues to en-

hance it, as well as make the readers smile. With news item links gleaned from more than 125 sources weekly, *Friday Notes* is a valued membership benefit. In its updated format, it provides the following:

- a “news flash” relating the current happenings at CAST
- one or more feature stories on timely topics in agriculture
- updates from CAST Executives, Work Group representatives, and Staff
- recognition of CAST members who have been “in the news”
- details on featured CAST publications or lists of forthcoming publications
- color-coded news item links, arranged by categories (Animal Agriculture and Environmental Issues, Food Science and Safety, Plant Agriculture and Environ-



- mental Issues, International News, and General Interest)
- Washington, D.C., updates from Meyers & Associates
- a proposal form for submitting publication topics to CAST
- a link to the CAST SchoolTube site
- a list of CAST’s Board member societies, nonprofits, and companies

CAST Website www.cast-science.org

CAST first began distributing some of its information over the Internet in the early 1990s; by 1995, more than 100 CAST documents and links to scientific societies and public policy sites were available through an Internet host. In 1995–1996, CAST introduced its own website (www.cast-science.org), where Task Force Reports, Issue Papers, and information on CAST activities were available to view and download. In spring 2003, CAST unveiled a newly remodeled homepage, and significant updating and development occurred in 2004 and 2006. A redesign of the website occurred in 2007.

A significant upgrade took place early in 2011 that did away with the obsolete programming language that had been used before that time. Features of the new website include the following:

- is easier to manage administratively



- presents a clean look
- is simpler to navigate and search
- offers a shopping cart
- has password-protected pages and information accessible to members only
- offers a donation option

Social Media

The expanded use of social media allows CAST to reach an extended audience that otherwise would have been virtually unattainable, thereby considerably boosting recognition of CAST's science-based agricultural information. At the close of 2009, CAST developed a social media strategy that was officially rolled out in a February 2010 edition of *Friday Notes*.

Twitter

- Under the name CASTagScience, CAST began building recognition among producers, companies, associations, and other individuals in the social media spectrum.
- In March of 2010 CAST began its participation in the weekly AgChat discussion. AgChat is a moderated Twitter conversation for people associated with the agriculture industry to share viewpoints and ideas about the diverse issues

impacting agriculture.

- Throughout 2010, CAST became increasingly more involved in the AgChat discussions and developed a significant network within the continually growing AgChat community.
- As a result, by April 2011 CASTagScience had more than 1,000 followers on Twitter, with more than 700 of those follows having been established since June of that year.
- The TweetStats chart shows CAST Twitter traffic for 2010 alone.

Blog

- Since its inception in 2010, there have been close to 50 blog posts.
- In November 2010, CAST was given the opportunity to be a guest blogger for an Elanco blog, "Plenty to Think About," in which the Borlaug CAST Communication Award was highlighted.



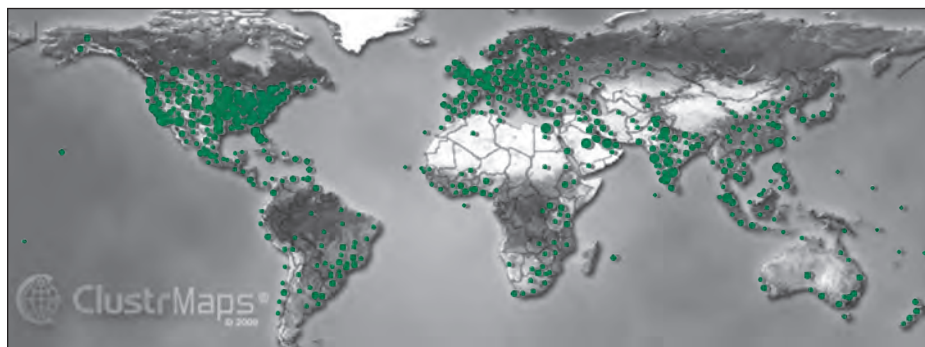
Senator Harkin introduces CAST Commentary *Food Safety and Fresh Produce: An Update*.

Video

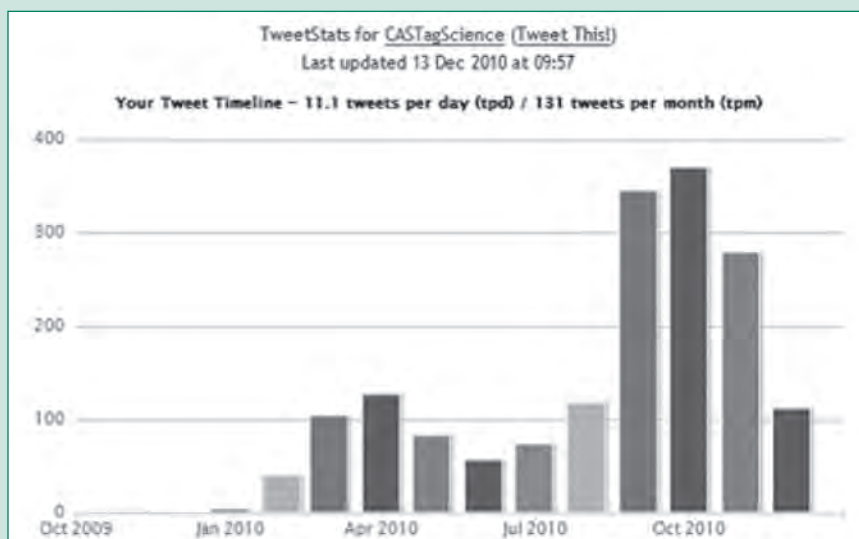
- CAST established a "one-stop shop" on SchoolTube in May 2010, where people can view all of CAST's educational videos on the same site as well as share the channel and post comments to CAST.
- The CASTagScience channel on YouTube was also established, and the subscriber list is growing.
- Videos available on the CAST website include *The Science and Regulation of Food from Genetically Engineered Animals*; *Probiotics in Human Health*; *Water, People, and the Future: Water Availability for Agriculture in the United States*; and *Food Safety and Fresh Produce: An Update*.

Google Places

- In June 2010, CAST officially established a profile on Google Places. Throughout 2010, CAST has had more than 3,000 impressions via Google and Google Maps due to the Google Places profile.



The ClustrMap presents the broad impact that CAST publications and activities are having around the world. This is continually updated on the CAST website as locations log on. Since January 2008, more than 115,300 visits have occurred.



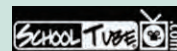
CAST Blog:

www.cast-science.blogspot.com



CAST Twitter:

www.twitter.com/CASTagScience



CAST SchoolTube:

www.schooltube.com/user/CAST



CAST YouTube:

www.youtube.com/user/CASTagScience

Where CAST Began

Ames, Iowa: Home of CAST and So Much More

Located at the confluence of the Skunk River and Squaw Creek in Story County, Ames is nearly at the geographical center of the state. The town was established in 1864 to serve the Cedar Rapids and Missouri River Railroad. It was incorporated in 1869 and named after Oakes Ames, a Massachusetts congressman and friend of the railroad president, who traveled to the Midwest to explore railroad expansion possibilities.

Development of Iowa State University

Shortly before this, in 1858, the Iowa General Assembly established the Iowa Agricultural College and Model Farm, situated about 2 miles west of Ames. The impetus for the Assembly's action dates back to 1853 when it was petitioned for an agricultural research facility. The school was later designated the first land-grant college in the United States when Iowa became the first state to accept the terms of the federal Morrill Act in 1862, awarded to the school in 1864. The institution officially opened in 1869, became a state college in 1898 (Iowa State College of Agricultural and Mechanic Arts), and achieved university status in 1959. The campus officially became part of Ames when the town annexed it in 1893.



Three boys pose with their exhibition cows in the field northeast of Main Hall (present site of Beardshear Hall), circa 1899. The boys belonged to one of the precursors of the 4-H Club. *Photo courtesy of Farwell T. Brown Photographic Archive, Ames Public Library.*

People and Programs of Distinction

Known today as Iowa State University of Science and Technology (ISU), the school has given us agricultural greats such as George Washington Carver (plant and peanut scientist), Henry A. Wallace (Pioneer Hi-Bred founder, U.S. Secretary of Agriculture, and third-term vice president to Franklin D. Roosevelt), and Griffith Buck (horticulturalist who developed dozens of rose varieties). Iowa State University created the nation's first College of Veterinary Medicine in 1879, and the university's Center for Agricultural and Rural Development (CARD) is the largest university-based agriculture policy research institute in the United States. Although Ames is not defined solely by the university, the relationship between the two is synergistic and vibrant!

Early Use of Ethanol

The city of Ames has a long history of ties not only to agriculture, but to its scientific use as well. For example, a blend of corn ethanol gasoline was first sold commercially in Ames in 1932. The fuel was developed by a group of ISU chemists, including Ralph Hixon and Leo Christensen. The 10% alcohol-blend gasoline was sold at the Square Deal gas stations for 17 cents per gallon.

Growth of Biotechnology

This connection to and support of agriculture and biotechnology is predominant in Ames' present economic structure as well. Ames, with a population of more than 58,000, is home to dozens of agricultural and biotech companies and organizations, including Advanced Analytical Technologies, Ames Laboratory–U.S. Department of Energy, BASF Plant Sciences, Becker-Underwood, BioForce Nanosciences, Garst Seed Company, MTI Biotech, NASA Food Technology Commercial Space Center, National Animal Disease Center–USDA-ARS, National Veterinary Services Laboratory, NewLink Genetics, Stine Seed, and Syngenta. Companies involved in biotech research and production continue to pursue futures in Ames.



Veterinary Medicine's horse-drawn ambulance makes a call on a cold winter day in 1912. *Photo courtesy of Farwell T. Brown Photographic Archive, Ames Public Library.*



Although it was founded in Ames, Iowa, and continues to have its headquarters in the heartland of the United States, through the years CAST has extended its reach to circle the globe. A survey of the places from which CAST draws its scientists to serve as Task Force authors and reviewers results in an impressive list of cities, countries, and continents.

Africa

Kenya

Nairobi

Asia/Pacific

Australia

Camden, St. Lucia, Werribee

China

Hong Kong

New Zealand

Dunedin, Hamilton, Wellington

Europe

Austria

Herzogenburg

Belgium

Brussels

France

Paris

Germany

Berlin, Braunschweig

Italy

Rome, Venice

Republic of Ireland

Cork, Dunsany

Spain

Barcelona

Switzerland

Bern, Geneva, Mittelhäusern, Orbe

The Netherlands

Bilthoven, Lelystad, Wageningen

United Kingdom

England: Berkshire, Chatham, London,

Reading, Sharnbrook, York

Scotland: Aberdeen, Roslin

North America (outside of U.S.)

Canada

Calgary, Alberta; Edmonton, Alberta;

Guelph, Ontario; London, Ontario;

Mississauga, Ontario; Ottawa, Ontario;

Spruce Grove, Alberta; St. John's,

Newfoundland

South America

Argentina

Buenos Aires

Brazil

Brasilia, Rio de Janeiro

CAST Restructures to Ensure Its Future

Building on a major restructuring initiative that began in 2009, the CAST organization completed the “ReCAST of CAST” in 2010. During that year, a new set of bylaws was approved, the Board of Trustees was established, and commercial and nonprofit groups joined scientific societies in the discussion of CAST publications as members of the Board of Representatives.

The new structure of CAST comprises three boards and allows a division of power similar to the federal government's structure.

The Board of Representatives, which resembles the legislative branch, comes from scientific societies, companies, and nonprofit organizations. The Representatives are responsible for developing or reviewing proposals for new publications, assisting with distribution of CAST publications, providing contacts for potential new members of CAST, and helping to locate and secure funding.

The Board of Trustees, which functions in the manner of the judicial branch, is composed of nationally prominent individuals from academia, industry, and nonprofit organizations. Trustees discuss and evaluate national concerns and the role of CAST publications in addressing them. This group also focuses on improving the communications between CAST and potential stakeholders.

The Board of Directors, which serves as the executive branch, is composed of one liaison from each CAST Work Group, as well as one representative each from professional societies, commercial companies, nonprofit organizations, and the Board of Trustees. Four elected officers lead this board, which is responsible for overseeing the governance of CAST.



“The new structure is a major constructive change which demonstrates

that CAST is well aware the world changes and it must change accordingly or go out of business.”

—Robert Sweet, Professor Emeritus, Department of Horticulture, Cornell University, Ithaca, New York

Notable People in CAST's History



A display of early CAST Presidents, CAST's 10th Anniversary celebration (1982).

CAST Presidents

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. Dutson, 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. Knauff, 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
Donald C. Beitz, 2005–2006
Edward C. A. Runge, 2006–2007
Kassim Al-Khatib, 2007–2008
Henry L. Shands, 2008–2009
Todd A. Peterson, 2009–2010
Thomas P. Redick, 2010–2011



Six who have served as CAST President (from left): Todd Peterson, Henry Shands, Kassim Al-Khatib, Edward Runge, Stanley Fletcher, and Harold Coble (2008).

CAST Executive Vice Presidents

1974 Charles A. Black
1985 William W. Marion
1989 Kayleen A. Niyo,
as Interim EVP
1990 Stanley P. Wilson
1992 Richard E. Stuckey
2001 Teresa A. Gruber
2005 Richard E. Stuckey,
as Interim Advisor
2005 John M. Bonner

CAST Honors and Awards



(Far Left) John Bonner, Akin Adesina, and Jay Vroom of CropLife Foundation at the presentation of the Borlaug CAST Communication Award in Des Moines (2010).

(Left) CAST President Ed Runge (left) presents the Distinguished Service Award to Robert Sweet (2007).

Borlaug CAST Communication Award

Dedicated to Dr. Norman Borlaug, author of the first CAST publication in 1973, and to Dr. Charles A. Black, first President and Executive Vice President of CAST, the Borlaug CAST Communication Award was introduced in 2010. It replaces the Charles A. Black Award, which was given from 1986 through 2009.

The Borlaug CAST Communication Award is presented annually for outstanding achievement by a scientist, engineer, technologist, or other professional working in the agricultural, environmental, or food sectors in contributing to the advancement of science in the public policy arena. The winner receives a custom-made bronze created by sculptor Jerry Palen.



Borlaug CAST Communication Award Honorees

2010—Akin Adesina, Alliance for a Green Revolution in Africa

2011—Catherine Bertini, Maxwell

School of Citizenship and Public Affairs, Syracuse University

Previous winners of the Charles A. Black Award follow.

1986—Charles A. Black, Council for Agricultural Science and Technology

1987—William E. Larson, University of Minnesota

1989—Stanley E. Curtis, University of Illinois, Urbana-Champaign

1990—Donald E. Davis, Auburn University

1991—Homer M. LeBaron, Ciba-Geigy

1992—John Pesek, Iowa State University

1993—Fergus M. Clydesdale, University of Massachusetts, Amherst

1994—F. J. Francis, University of Massachusetts, Amherst

1995—Dale E. Bauman, Cornell University

1996—Luther G. Tweeten, The Ohio State University

1997—Neil E. Harl, Iowa State University

1998—Per Pinstrup-Anderson, International Food Policy Research Institute

1999—Abner W. Womack, University of Missouri, Columbia

2000—Dennis R. Keeney, Iowa State University

2001—Judith S. Stern, University of California, Davis

2002—Calvin O. Qualset, University of California, Davis

2003—Kong Luen Heong, International Rice Research Institute

2004—Marjorie A. Hoy, University of Florida, Gainesville

2005—Norman E. Borlaug, Sasakawa Africa Association

2006—Stanley R. Johnson, Iowa State University

2007—David H. Baker, University of Illinois

2008—Pedro A. Sanchez, Columbia University

2009—Wayne Skaggs, North Carolina State University

CAST intermittently honors people who have demonstrated outstanding support for the organization in one of several ways: by advocacy of CAST's outreach activities, by active membership and fundraising efforts, or by dedicated participation on the CAST Board.

CAST President's Award

2007—Richard Stuckey, CAST Executive Vice President (1992–2001)

2008—Tom Harkin, Senator (Iowa)

2011—Clare Hasler-Lewis, Executive Director, Robert Mondavi Institute for Wine and Food Science, UC-Davis

2011—Mike Johanns, Senator (Nebraska)

2011—A. G. Kawamura, Former California Secretary of Agriculture

2011—Edward B. Knippling, Administrator, Agricultural Research Service

2011—Jerry Palen, Sculptor, creator of CAST bronzes

2011—Collin Peterson, Representative (Minnesota)

2011—Jay Vroom, President and CEO, CropLife America

CAST Champion Award

2006—Kip Sander, Fundraiser

2009—Edward A. Hanlon, CAST Executive Committee Member and Treasurer

2009—Richard Reynnells, National Program Leader, USDA

2010—Claude Brown, CAST Board Member and meeting organizer

2010—Gale Buchanan, CAST Board of Trustees Chair and Task Force Chair

2011—Tom Van Arsdall, Executive Director, National Coalition for Food and Agricultural Research

CAST Distinguished Service Award

2007—Robert Sweet, CAST Board Member for 29 years

Who is CAST?

A Coalition of Scientific Societies, Nonprofit Organizations, and Commercial Companies Comprises the Governing Board of CAST

During the 40 years since it was chartered, CAST has grown from an initial group of 7 founding scientific societies to its current membership of 24 societies. The restructuring of CAST in 2010 expanded the foundation of CAST to include nonprofit organizations and commercial companies that participate on the CAST Board of Representatives. It is the Representatives from each of these organizations, along with 11 Directors, who form the CAST Board. CAST relies on the dedication, energy, and scientific expertise of its volunteer Representatives to identify and select the topics for publications, workshops, and outreach activities. These Representatives also help to carry out the mission of communicating credible science-based information to all stakeholders—legislators, regulators, policymakers, the media, the private sector, and the public.

Board Members in 2011

American Academy of Veterinary and Comparative Toxicology/American Board of Veterinary Toxicology
American Association of Avian Pathologists
American Association of Bovine Practitioners
American Association of Pesticide Safety Educators
American Bar Association, Section of Environment, Energy, & Resources – Agricultural Management
American Dairy Science Association
American Farm Bureau Federation
American Forage and Grassland Council
American Meat Science Association
American Meteorological Society, Committee on Agricultural and Forest Meteorology
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
Council of Entomology Department Administrators
CropLife America
Elanco Animal Health
Iowa Soybean Association
Land O'Lakes
Monsanto
National Cattlemen's Beef Association
National Pork Board
North Central Weed Science Society
Northeastern Weed Science Society
Novus International, Inc.
Pioneer, A DuPont Business
Poultry Science Association
Society for In Vitro Biology
Society of Nematologists
Syngenta Crop Protection, Inc.
The Fertilizer Institute
United Soybean Board
Weed Science Society of America
Western Society of Weed Science

The Three “I”s

Like all nonprofit organizations, CAST relies on a variety of funding sources (e.g., dues, contributions, grants) to support its activities. Throughout the 40-year history of CAST, a number of fundraising strategies and development initiatives have been used by both staff members and volunteer Board members. The current plan, developed and implemented by Executive Vice President John Bonner, outlines how agricultural scientists, companies, nonprofit organizations, scientific societies, and individuals can provide the “Three I’s” that are essential to maintaining CAST.

Input

Stakeholders provide **input** for future publications on topics of importance to agriculture nationwide and worldwide.

- A list of “core topics” includes
 - ♦ Animal Science
 - ♦ Biotechnology
 - ♦ Energy and Biofuels
 - ♦ Food Safety and Nutrition
 - ♦ Plant, Soil, and Environmental Sciences

Impact

Stakeholders broaden the **impact** of CAST by communicating CAST information to colleagues and customers.

- CAST publishes Reports, Issue Papers, Special Publications, Commentaries, and an e-newsletter
 - ♦ Publications are available online for viewing or downloading
 - ♦ Notices of new publications are distributed to more than 500 media sources
 - ♦ Publications are available free-of-charge to legislative assistants and policymakers

“What CAST can accomplish depends on three ‘I’s’ and ‘U!’”

—John M. Bonner (2007)

Investment

Stakeholders provide the **investment** necessary to support the activities of CAST.

- CAST is challenged by rising costs, an increasing number of company mergers, fewer members, and less funding available

What They Have to Say About CAST



Former USDA Under Secretary for Research, Education, and Economics Gale Buchanan.

“I sincerely hope CAST will continue to play a leading aggressive role in providing reliable scientific data for policymakers at state, national, and international levels.”

—**Norman E. Borlaug, 2005 CAST Charles A. Black Award Winner**

“With all of our daily living costs rising—such as fuel, medical, utilities, insurance, etc.—our food costs remain very low, especially compared to other countries. Be sure to thank the farmers, ranchers, and organizations such as CAST every time you eat.”

—**Claude Brown, CAST Champion Award Winner and President and Founder of Ag Industrial Manufacturing, Inc.**

“Science, of course, is at the core of our efforts to prepare for detection of the high pathogenic H5N1 avian influenza virus in the United States. The Council for Agricultural Science and Technology has done some very extensive work on AI and we appreciate that. Science needs a voice to speak on its behalf. Thanks to CAST for being that voice.”

—**Mike Johanns, U.S. Secretary of Agriculture 2005–2007 Senator, Nebraska 2009–present**

“If there was ever a time when all agricultural scientific disciplines should be working together, it is now. There are many critical issues...that demand the accurate, timely, and science-based information that CAST can provide as decisions are made that will impact life around the globe for generations to come.”

—**Gale A. Buchanan, CAST President 1992–1993; Trustees Chair, 2010–2012 USDA Under Secretary for Research, Education, and Economics 2006–2008**

“The Council for Agricultural Science and Technology plays a crucial role in gathering and distilling scientific information on food and agricultural topics, and making it more accessible and understandable to the public and to policymakers. Everyone wins when the scientific community provides informed analysis to assist the public debate on food and agricultural issues.”

—**Tom Harkin (D-IA), Chairman, Senate Health, Education, Labor, and Pensions Committee**

“Since CAST information is unbiased and designed for policymakers, it is universal in its application within the economic and political situations in which it is considered. Keep up the efforts on internationalization. The investment is invaluable as we move toward world harmony.”

—**C. Jerry Nelson, Curators’ Professor Emeritus, University of Missouri**

“Many of the issues the Congress deals with involve complex scientific and technical considerations. CAST, through its publications and face-to-face briefings, plays a critical role in informing policymakers of the costs and benefits of the various policy options affecting the food and agricultural sciences.”

—**Bob Goodlatte (R-VA), House Committee on Agriculture**



U.S. Secretary of Agriculture Mike Johanns answers questions from the media following his address to the CAST Board (2006).



*Plants
Food
Animals*

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