

ASTM INTERNATIONAL

COMMITTEE C26

NUCLEAR FUEL CYCLE

40 YEAR HISTORY

1969-2009

ASTM COMMITTEE C26
NUCLEAR FUEL CYCLE
FORTY YEAR HISTORY – 1969 to 2009

Early History

In the 1950s, the nuclear industry was growing and numbers of reactors were in the planning stage. The American Standards Association (ASA) studied the need for nuclear standards, decided that the time was right and formed committee N5.1. Several standards were written with the most widely distributed being a manual on test methods for uranium dioxide.

In 1962, ASTM became interested in these new articles of commerce. Its response was to form a subcommittee within Committee C21, Ceramic White-ware and Related Products, to study ceramic materials for nuclear applications. It began by reviewing private and government specifications for ceramic materials that were being used, or proposed for use, as nuclear fuels in thermal reactors. Working with ASA, four specifications and methods of test were developed and approved by the United States of America Standards Institute (USASI).

In 1967, the Nuclear Standards Board (NSB) of USASI assigned ASTM the responsibility for basic materials and materials testing involved in nuclear service. To better implement their responsibility in the area of nuclear fuel materials, the ASTM Board of Directors authorized an expansion of scope and full committee status for the ASTM-connected work on fuel materials.

As part of this expansion, Subcommittee C21.05 solicited former members from the ASA N5.1 committee and several new members from industry. In November 1968, the organizational meeting of this new committee (C26) was held. The name chosen was Committee on Fuel, Control, and Moderator Material for Nuclear Reactor Applications. The responsibilities of Committee C26 were for methods of test, definitions of terms, classifications, and specifications for fissionable and fertile materials and solid control and moderator materials, excluding graphite, intended for use in nuclear core components.

There were five working subcommittees within C26: C26.01, Nomenclature, defined terms used in C26 specifications and test methods; C26.02, Fuel Specifications, wrote specifications for materials such as uranium dioxide powder and pellets, mixed oxide, plutonium oxides, etc.; C26.03, Control Materials, wrote specifications for B₄C, Ag-In-Cd, and Al₂O₃-B₄C; C26.04 dealt with moderators such as beryllium oxide; and C26.05 developed test methods. The first annual report to ASTM noted that the membership was 59.

Charter Members

The charter members list in the Membership Handbook from January 1979 which recognized the first ten years of ASTM Committee C26 included the following:

H. J. Anderson	W. A. Maxwell
M. H. Campbell	D. M. Noble
J. M. Lclabby	W. M. Pardue
R. Cooperstein	G. K. Rhode

L. T. Corbin

J. H. Schemel

C. G. Goldbeck

J. F. Soppet

J. M. Kerr

W. N. Thomas

O. L. Kruger

This is the list of the attendees at the November 1968 organizing meeting held in Washington, DC. The minutes of the subcommittee C26.05 from the meeting held on May 5-6, 1969 in New Orleans, listed 14 subcommittee attendees. Only four of the subcommittee attendees are on the charter member listing.

Growth of Members

The first annual report from C26 to ASTM in December 1969 indicated that there were 59 members. Membership remaining at this level through 1975 and then began to grow. One hundred members was reached in 1977 and increased to 150 members by 1982. By 1991, the membership had increased to 200 and has remained at this level to this date. The growth in membership came with the increase in the number of subcommittees and the push of C26 into these new areas. Foreign membership increased sharply during the development of specifications for uranium hexafluoride which was begun in the early 1990s. Attendance during this period typically exceeded one hundred. Although the C26 membership has stayed at about two hundred, the attendance has slowly decreased to where the current attendance is about sixty members. This decline is probably due to retirements and the inability to recruit new members.

C26 Leadership

C26 has been fortunate to have had excellent leadership throughout its history. The Chairman of C26 is limited to three consecutive two-year terms and most Chairmen have served three terms which resulted in significant longevity within the Chairman position. The Chairman, their affiliation, and term of office are listed below;

Chairman	Company	Term
Harlan Anderson	Westinghouse Hanford	1969-1976
Larry Corbin	Oak Ridge National Laboratory	1976-1981
Nancy Trahey	New Brunswick Laboratory	1982-1987
Bill Laing	Oak Ridge National Laboratory	1988-1993
Don Sandburg	Westinghouse Hanford	1994-1997
Richard Blauvelt	Waste Policy Institute	1998-2003
Gary Smith	Pacific Northwest National Laboratory	2004-2009

Several C26 members served ASTM in various other capacities. Nancy Trahey was elected to the ASTM Board of Directors in 1983 and then advanced in office to Treasurer, Vice-Chairman of the Board, before becoming ASTM Chairman in 1993. Bill Laing served a term on the ASTM Committee on Technical Committee Operations and chaired the Long-Range Planning Committee.

Supporting the operations of C26 are several other elected officers. These include: the First Vice-Chairmen who is responsible for managing the awards process; the Second Vice-Chairman who is responsible for international affairs; the Recording Secretary who takes, records, and issues the meeting minutes; and the Membership Secretary who is responsible to track the status of the C26 membership. The Membership Secretary position was created in 1987. To recognize the outstanding service of these elected officers, with much of their work being conducted behind the scenes, an attempt was made to identify all of these elected officers and collect the names in the table below.

C26 ELECTED OFFICERS

Year	Chairman	First Vice-Chairman	Second Vice-Chairman	Recording Secretary	Membership Secretary
1969	Harlan Anderson	Larry Corbin	R. Cooperstein	Bill Pardue	
1970	Harlan Anderson	Larry Corbin	Vacant	Bill Pardue	
1971	Harlan Anderson	Larry Corbin	Fred Miner	Bill Pardue	
1972	Harlan Anderson	Fred Miner	Larry Corbin	Bill Pardue	
1973	Harlan Anderson	Larry Corbin	Fred Miner	Bill Pardue	
1974	Harlan Anderson	Larry Corbin	Fred Miner	Bill Pardue	
1975	Harlan Anderson	Larry Corbin	Fred Miner	Bill Pardue	
1976	Larry Corbin	Bill Pardue	J. J. Stiglich	G. R. Waterbury	
1977	Larry Corbin	Bill Pardue	J. J. Stiglich	W. B. Brown	
1978	Larry Corbin	Bill Pardue	J. J. Stiglich	W. B. Brown	
1979	Larry Corbin	Bill Pardue	J. J. Stiglich	W. B. Brown	
1980	Larry Corbin	Bill Pardue	Nancy Trahey	Bob Carpenter	
1981	Larry Corbin	Bill Pardue	Nancy Trahey	Bob Carpenter	
1982	Nancy Trahey	Sam Weaver	Bill Laing	Bob Carpenter	
1983	Nancy Trahey	Sam Weaver	Bill Laing	Bob Carpenter	
1984	Nancy Trahey	Sam Weaver	Bill Laing	Bob Carpenter	
1985	Nancy Trahey	Sam Weaver	Bill Laing	Bob Carpenter	
1986	Nancy Trahey	Sam Weaver	Bill Laing	Merril Hume	
1987	Nancy Trahey	Sam Weaver	Bill Laing	Merril Hume	Sandra Frattali

1988	Bill Laing	Milt Campbell	G. Kilp	Merril Hume	Sandra Frattali
1989	Bill Laing	Milt Campbell	G. Kilp	Merril Hume	Sandra Frattali
1990	Bill Laing	Milt Campbell	G. Kilp	Rodney Hand	Sandra Frattali
1991	Bill Laing	Milt Campbell	Don Sandburg	Rodney Hand	Sandra Frattali
1992	Bill Laing	Milt Campbell	Don Sandburg	Rodney Hand	Sandra Frattali
1993	Bill Laing	Milt Campbell	Don Sandburg	Rodney Hand	Sandra Frattali
1994	Don Sandburg	Richard Blauvelt	Ann Gibbs	Rodney Hand	Wanda Mitchell
1995	Don Sandburg	Richard Blauvelt	Ann Gibbs	Rodney Hands	Wanda Mitchell
1996	Don Sandburg	Richard Blauvelt	Ann Gibbs	Rodney Hand	Wanda Mitchell
1997	Don Sandburg	Richard Blauvelt	Ann Gibbs	Vacent	Wanda Mitchell
1998	Richard Blauvelt	Ann Gibbs	John Renouf	Pamela Howell	Wanda Mitchell
1999	Richard Blauvelt	Ann Gibbs	John Renouf	Pamela Howell	Wanda Mitchell
2000	Richard Blauvelt	Ann Gibbs	John Renouf	Pamela Howell	Bill Palmer
2001	Richard Blauvelt	Ann Gibbs	John Renouf	Pamela Howell	Bill Palmer
2002	Richard Blauvelt	Ann Gibbs	John Renouf	Donna Beals	Marilyn Law
2003	Richard Blauvelt	Ann Gibbs	John Renouf	Donna Beals	Marilyn Law
2004	Gary Smith	Wanda Mitchell	Catherine Veyer	Donna Beals	Marilyn Law
2005	Gary Smith	Wanda Mitchell	Catherine Veyer	Donna Beals	Marilyn Law
2006	Gary Smith	Tom Thornton	Catherine Veyer	Donna Beals	Michael Soriano
2007	Gary Smith	Tom Thornton	Catherine Veyer	Donna Beals	Michael Soriano
2008	Gary Smith	Tom Thornton/Dale Wahlquist	Catherine Veyer	Ron Jeffcoat	Donivan Porterfield
2009	Gary Smith	Dale Wahlquist	Catherine Veyer	Ron Jeffcoat	Donivan Porterfield

The true backbone of the organization is the subcommittee chairman who ensures that the intent of the organization is translated into actions. In order to recognize their contributions, the following is a history of the subcommittee leadership.

C26 SUBCOMMITTEE LEADERSHIP

<p>C26.01 – Terminology</p> <p>W. R. Laing - 1974-1975</p> <p>Nancy Trahey - 1976-1980</p> <p>Evan Morgan - 1981-1982</p> <p>R. H. Kent - 1983-1987</p> <p>Sandra Frattali - 1988-1999</p> <p>Inactive - 2000-2003</p> <p>Charles Interrante - 2004-2007</p> <p>Donivan Porterfield - 2008 – present</p>	<p>C26.09 – Nuclear Processing</p> <p>R. E. Brooksbank - 1980-1987</p> <p>Ken Plummer - 1988-1997</p> <p>Frank Graham - 1998</p> <p>Tracy Rudisill - 1999-present</p>
<p>C26.02 – Fuel and Fertile Material Specifications</p> <p>F. J. Miner - 1969-1975</p> <p>R. A. Nadler - 1976-1979</p> <p>J. M. Kerr - 1980-1981</p> <p>G. R. Kilp - 1982-1990</p> <p>Tom Thornton - 1991-2008</p> <p>Bertrand Morel - 2008-present</p>	<p>C26.10 - Non Destructive Assay</p> <p>David McCue - 1980-1985</p> <p>Inactive - 1986-1987</p> <p>Ralph Gutmacher - 1988</p> <p>Francis Haas - 1989-1993</p> <p>John Fleissner - 1994-2003</p> <p>David Bracken - 2004-2008</p> <p>Ram Venkataraman - 2009-present</p>
<p>C26.03 – Neutron Absorber Material Specifications</p> <p>Frank Lewis - 1969</p> <p>M. G. Andrews - 1970-1975</p> <p>J. J. Stiglich Jr. - 1976-1979</p> <p>S. C. Weaver - 1980-1982</p> <p>Michael Bale - 1983-2001</p> <p>Hemant Shah - 2002-present</p>	<p>C26.11 – Reprocessing</p> <p>J. M. Scarborough - 1983-1985</p> <p>Wayne Delvin - 1986-1993</p> <p>Susan Flint - 1994-1996</p> <p>Inactive 1997</p> <p>Disbanded in 1999</p>
<p>C26.04 – Moderator Materials</p> <p>Ray Cooperstein - 1969</p>	<p>C26.12 – Safeguards</p> <p>M. H. Campbell - 1985-1987</p>

<p>K. Koyama - 1970-1973</p> <p>Inactive in 1974</p> <p>Disbanded in 1988</p>	<p>Ann Gibbs - 1988-1995</p> <p>Debra Spencer - 1996-1998</p> <p>Allan Frymire - 1999-2005</p> <p>Joel Tingey - 2006-present</p>
<p>C26.05 – <i>Methods of Test</i></p> <p>L. T. Corbin - 1969-1975</p> <p>W. R. Laing - 1976-1988</p> <p>R. W. Morrow - 1989-1999</p> <p>Wanda Mitchell - 2000-2005</p> <p>Norbert Golchert - 2006-present</p>	<p>C26.13 – <i>Spent Fuel and High level Waste</i></p> <p>R. G. Spaunburgh - 1984</p> <p>A. S. Jennings - 1985</p> <p>Tom Thornton - 1986-1988</p> <p>C. H. Peterson - 1989</p> <p>Pedro Macedo - 1990-1995</p> <p>Ned Bibler - 1996</p> <p>Gary Smith - 1997-present</p>
<p>C26.06 - <i>Statistical Applications</i></p> <p>J. A. Merrill - 1975-1980</p> <p>J. A. Lechner - 1981-1982</p> <p>M. W. Hume - 1983-1996</p> <p>Larry Bruckner - 1997-2000</p> <p>Combined with C26.08 in 2001</p>	<p>C26.14 - <i>Remote Systems</i></p> <p>Dale Wahlquist - 2000-present</p>
<p>C26.07 – <i>Waste Materials</i></p> <p>Thomas Keenan - 1980-1981</p> <p>R. W. Chickering - 1982</p> <p>W. P. Reed - 1983-1985</p> <p>Richard Blauvelt - 1986-present</p>	<p>C26.91 – <i>Long-Range Planning</i></p> <p>S. C. Weaver - 1984-1987</p> <p>Milton Campbell - 1988-1994</p> <p>Richard Blauvelt - 1995-present</p>
<p>C26.08 – <i>Quality Assurance Applications/Reference Material</i></p> <p>M. H. Campbell - 1980-1984</p> <p>Don Sandburg - 1985-1990</p> <p>Clarence Homi - 1991-1996</p>	

Susan Flint - 1997-1998	
Don Sandburg - 1999-2000	
Bill Palmer - 2001	
Michael Soriano - 2002-2008	
Donivan Porterfield - 2009-present	

ASTM Staff Managers

ASTM assigns a staff manager to each committee to provide guidance, support, and communication with ASTM to ensure that the ASTM operating rules and regulations are followed. In these past forty years, C26 has had ten staff managers. Their terms of service are collected below.

Jack Bystrom	1969-1979
Janet Schroeder	1979-1981
Ken Pearson	1982-1984
Matt Loeff	1985-1986
Kathie Schaff	1987-1990
Pat Barr	1991-1994
Bill Brown	1995-1996
Felicia Quinzi	1997-2000
Jeff Adkins	2000-2007
Joe Koury	2007-present

C26 has been a good training ground for up and coming ASTM staffers. After their indoctrination with C26, Ken Pearson is Vice-President of ASTM, Matt Loeff is Manager, Standards Technology Training, and Kathie Schaff is Director, Standards Development. Jack Bystrom, the first C26 staff manager has retired, lives in Stuart, Florida, and is still active in C26 and E10 projects.

Meeting Locations

Since C26 members are principally DOE contractor, or organizations that support DOE contractors, their locations are spread from east to west and from north to south. Early in its life, C26 determined to move the meeting sites around the country to equalize the travel for its members and to meet in the south in the winter and the north in the summer. This remains the basic C26 strategy for meeting site selection. Up to about 1995, C26 met in the south in the winter as part of the ASTM Committee Week and meeting in the summer independently. Beginning in about 1995, hotels began to charge for meeting space and other services that had previously been provided for free if a minimum number of rooms were occupied. Meeting room charges ranged up to \$500 per day per meeting room. To

meet independently, C26 would have to pay for these charges. Because of the economics of meeting independently were beyond the resources of C26, a determination was made, for the most part, to meet as part of the ASTM Committee Week.

Over the years, C26 has had an opportunity to meet in a variety of locations. Many of these locations provided opportunities for the attendees to see and visit many historical and interesting places. Below is a list of the locations where C26 has met. Reviewing the table below indicates that the most frequented cities where C26 met in its 40-year history are: New Orleans (8); San Diego (6); Reno (5); Denver (4); Washington DC (3); Fort Lauderdale (3); Las Vegas (3); Seattle (3); Colorado Springs (3); Tampa (3); and Atlanta (3).

Year	Location	Location
1968		November – Washington, DC
1969	May – New Orleans, LA	October – Philadelphia, PA
1970	March – San Diego, CA	October – Gatlinburg, TN
1971	January – Fort Lauderdale, FL	July – Boulder, CO
1972	January – New Orleans, LA	July – San Francisco, CA
1973	January – Fort Lauderdale, FL	July - San Diego, CA
1974	January – New Orleans, LA	July – Falmouth, MA
1975	January – Las Vegas, NV	July – Montreal, Canada
1976	January – Fort Myers, FL	July – Seattle, WA
1977	January – Houston, TX	July – Colorado Springs, CO
1978	January – Fort Lauderdale, FL	July – Newport, RI
1979	January – San Diego, CA	July – Minneapolis, MN
1980	January – New Orleans, LA	July – Denver, CO
1981	January – Fort Myers, FL	July – Reno, NV
1982	January – Houston, TX	July – Knoxville, TN
1983	January – Lake Buena Vista, FL	July – Quebec City, Canada
1984	January – San Diego, CA	July – Colorado Springs, CO
1985	January – Reno, NV	July – Boston, MA
1986	January – New Orleans, LA	July – Seattle, WA
1987	January – Tampa, FL	July – Palo Alto, CA

1988	January – Albuquerque, NM	July – Toronto, Canada
1989	January – Orlando, FL	July – Washington, DC
1990	January – Las Vegas, NV	July – Williamsburg, VA
1991	January – San Diego, CA	July – Colorado Springs, CO
1992	January – New Orleans, LA	July – Tacoma, WA
1993	January – San Antonio, TX	July – Toronto, Canada
1994	January – San Francisco, CA	July – Santa Fe, NM
1995	January – Phoenix, AZ	June – Denver, CO
1996	January – Atlanta, GA	July – Baltimore, MD
1997	January – New Orleans, LA	July – Arlington, VA
1998	January – San Diego, CA	July – Reno, NV
1999	January – Memphis, TN	June – Seattle, WA
2000	January – New Orleans, LA	June – Las Vegas, NV
2001	January – Reno, NV	June – Norfolk, VA
2002	January – Dallas, TX	June – Salt Lake City, UT
2003	January – Albuquerque, NM	June – Denver, CO
2004	January – Tampa, FL	June – Kansas City, MO
2005	January – Atlanta, GA	June – Reno, NV
2006	January – Phoenix, AZ	June – San Antonio, TX
2007	January – Anaheim, CA	June – Norfolk, VA
2008	January – Tampa, FL	June – Denver, CO
2009	January – Atlanta, GA	June – Oak Ridge, TN

Committee Name Change

By 1978, C26 was eight years old, membership had almost doubled and the number and focus of subcommittees had grown beyond the original scope. In July 1978, the committee name was changed to Nuclear Fuel Cycle and its scope updated to describe its new direction. In the years following these changes, subcommittees on waste materials, nuclear processing, non-destructive assay, reference materials, safeguards, waste packaging, and long-range planning were formed to pursue the goal to provide standards for the Nuclear Fuel Cycle.

Annual Book of ASTM Standards

In the early days of C26, specifications and methods of test were scattered through several volumes. In 1974, the Standards series was reorganized for a more logical grouping. All nuclear related methods developed by C26 and E10 were placed in a single volume. As the number of C26 and E10 standards increased, a further reorganization took place in 1983. At that time, C26 standards were placed in Volume 12.01, Nuclear Energy and the E10 standards placed in Volume 12.02. Currently there are 83 C26 standards in Volume 12.01. In recent years, C26 has averaged 30-35 ballot items between semi-annual meetings. Many of these ballot actions are to conduct the required five-year reviews.

Dudley Award

In 1981, C26 won the ASTM Dudley Award for publications. This award, presented annually, is named for Charles B. Dudley, the first President of ASTM. It is to recognize excellence in publication and is usually awarded for individual papers presented at a symposium or a series of papers. The 1981 Award to C26 was given for all the C26 standards in the Annual Book of ASTM Standards. This was the first time since the award's inception in 1927 that it had been presented for a committee's standards and it has never been done again. The award recognized both the quality and quantity of these standards. C26 was 12 years old at that time and published more standards than any other committee had in this length of time. The award consisted of an engraved plaque and a check for \$500.

Energy Emphasis Seminars

After the Arab oil crisis in 1973-1974, America began to wrestle with the problem of uncertain energy supplies. The Atomic Energy Commission's name was changed to the Energy Research and Development Agency (ERDA) and its mission was expanded to include other forms of energy. Jack Bystrom, staff manager for C26 and E10, proposed that the two committees sponsor an Energy Emphasis Seminar to bring together speakers for alternate energy sources. The first such gathering was in 1978 and brought together experts from coal, solar, geothermal, nuclear, and energy planning. These seminars continued every two years until 1990 when lower oil prices and reduced funding for solar and geothermal research reduced interest and attendance. C26 was instrumental in providing a forum for alternate energy views when our nation was searching for answers.

Recognition of the 50th Anniversary of the Manhattan Project

At the January 1993 San Antonio meeting, an afternoon seminar was presented to look back at the history of the nuclear age. Speakers described the early days at Argonne (Norbert Golchert), Hanford (Don Sandburg), Oak Ridge (Bill Laing), and Los Alamos (Larry Bruckner). The presentations reminded us of how much was accomplished in those days and how much it has changed.

C26 Anniversary Events

The members of C26 have taken the opportunity to stop and reflect on the progress and events associated with the history of C26. The first anniversary to be celebrated was the tenth with a dinner at the Hilton Hotel in San Diego, California, in January 1979. Although no attendance was kept, it appears to have been well attended. The next anniversary was the 25th which was held at the Picacho Plaza Hotel in Santa Fe, New Mexico, in July 1994. There was an excellent attendance at this event with an estimated one hundred present. A 25-year history of C26 was prepared and distributed at this dinner. The 30th anniversary was held in Seattle, Washington, in June 1999, and was celebrated with a salmon bake on Blake Island. About 60 members attended this event. The 35th anniversary was held at the Hyatt Regency Crown Center in Kansas City, Missouri, in June 2004. About 50 members attended this

event. The 40th anniversary dinner was held in Oak Ridge, Tennessee, in June 2009, at the Peerless restaurant with about 30 in attendance.

Member Awards

ASTM has established a set of awards to recognize members for their accomplishments. These awards are presented to members, typically at one of the semi-annual meetings, after nomination by their peers. These awards are:

Award of Merit – The Award of Merit was established in 1949 by the ASTM International Board of Directors and is the highest society award granted to an individual member for distinguished service and outstanding participation in ASTM International committee activities. Recipients also receive the honorary title of Fellow.

Harlan J. Anderson Award – This award, established in 1978, honors Harlan J. Anderson, a Fellow of the Society and the first Chairman of ASTM Committee C26. It is presented to a member of C26 who has made outstanding contributions toward the successful operation of the Committee for a number of years.

Don Sandburg Award – This award, established in 2002, honors Donald Sandburg, a Fellow of the Society and the former Chairman of ASTM Committee C26. It is presented to a former Chairman of C26 who has made outstanding contributions toward the successful operation of the Committee for a number of years.

Achievement Award – This award is provided in recognition of outstanding service to the committee or subcommittee or contribution to the development of a standard or group of standards.

The following is listings of C26 members who have received one or more of the above awards.

AWARD OF MERIT AND SOCIETY FELLOW

Name	Year
Lawrence T. Corbin	1974
Harlan J. Anderson	1976
Carleton Bingham	1979
Glenn Waterbury	1981
William R. Laing	1982
Samuel C. Weaver	1983
Robert C. Carpenter	1984
Milton H. Campbell	1985
Gerald R. Klip	1986
Nancy M. Trahey	1987
Wayne L. Delvin	1989

Merril W. Hume	1990
Michael G. Bale	1991
Ann Gibbs	1992
Don Sandburg	1993
Roy Morrow	1994
Tom Thornton	1995
Richard Blauvelt	1996
Norbert Golchert	1997
Larry Bruckner	1998
Reed Durham	1999
Charles Interrante	2000
Gary Smith	2001
Wanda Mitchell	2002
John Fleissner	2003
Paul Fehlau	2004

HARLAN J. ANDERSON AWARD

Name	Year
Frend John Miner	1979
Richard Spaunbaugh	
William Pardue	1980
Glenn R. Waterbury	1981
Lawrence T. Corbin	
John M. Kerr	
Joe H. Stewart, Jr.	
Milton Campbell	1982

Robert Carpenter	1983
Gerald Kilp	1984
Michael Bale	1985
Wayne Delvin	1986
Merril Hume	1987
Tom J. Hayes	1988
Ralph G. Gutmacher Donald Sandburg	1989
Nathan Furman Alain Sarda	1990
Sandra Fratalli Richard Blauvelt	1991
Roy Morrow Tom Thornton	1992
Ronday Hand Norbert Golchert	1993
Francis Haas Ken Plummer	1994
Joel Dahlby Larry Bruckner	1995
Reed Durham Paul Fehlau	1996
Nancy Trahey Alan Gethin	1997
Wanda Mitchell Danielle Cangiano	1998
John Fleissner	1999

Gary Smith	2000
Pam Howell	
Jim Sprinkle	2001
John Renouf	2002
Stephen Lee	2003
Catherine Veyer	2004
Donna Beals	2007
Dale Wahlquist	2009

DONALD SANDBURG AWARD

Name	Year
Mrs. Donald Sandburg	2002
Richard Blauvelt	2004

ACHIEVEMENT AWARD

Name	Year
Michael G. Bale	1978
William R. Laing	
Nancy Trahey	1979
Wayne Delvin	1980
John Limpert	1981
Charles Pepper	
W. B. Brown	
Peter M. French	
Evan Morgan	
Sam C. Weaver	

Robert Brooksbank H. G. Tepp	1983
William Hogg	1984
Tom Thornton Louis Cox	1985
Lawrence Macklin Ralph Kent	1986
Mick Marlowe Ralph Gutmacher	1987
Robert Faron Dan Merz Larry Bruckner Norbert Golchert	1988
Roy Morrow Tom Thornton Jim Bradbury	1989
Clarence Homi Ollie Vita Joel Dahlby Rod Hand Mick Marlowe Joe Goleb	1990
Carl Sutter Martin Edelson Fran Haas Bill Riedeman	1991
Richard Hamilton	1992

John Fleissner John McGowan Ken Plummer Christoph Forsey	
Reed Durham Carol Jantzen John Bates Robert Pollard Jim Sprinkle Wanda Mitchell	1993
Roy Swank Paul Closeener Isabel Fisenne	1994
Alan Gethin Don Temer Danielle Cangiano Stephen Lee Walt Wolf	1995
Delbert Bowers Pamela Howell Larry Addington Tsutomu Sato	1996
Marilyn Law Susan Flint Rob Henry	1997
Gary Smith Jeff Crain	1998

John Renouf Mark Hollenbeck	
Deborah Andrews Robert Bolin Charles Interrante	1999
Robert Baschwitz Chris Gassiot George Westsik Bertrand Morel All Frymire Catherine Veyer Donna Beals	2000
Tony Aldridge Hemant Shah Mark Dubecky Irene Spaletto Tracy Rudisill	2001
Mikael Pellfolk Bill Palmer Michael Soriano Bill Ebert Joe Watcher Clyde Ward	2002
Chuck Interrante Efrem Schwartz Rich Mayer Donivan Porterfield	2003

Raymond Rutitis Dale Wahlquist Chuck Kalkwarf Richard Thomason	
Norbert Ensslin Michael Fern Scott Nagley Randy Blevins	2004
Ed Kuhn	2005
Bill Bracey Chris Brown Frank Heckendorn Jim Hobbs Jonathan Quartly	2007
George Belev John Abrefah Bill Ebert Eric Shaber Tom Thornton	2008
Koen Vanaken Maarten Van Winjkoop	2009

September 10, 2009