

## PART II

In this section specific information is given about each meeting. The program is summarized as to content and format. In later years names of award winners are included. Comments are added regarding special events, topics, decisions, etc. as appropriate. Due to differences in the way records were kept, proceedings and supplements prepared, etc. a few details are missing. Also, precise numerical comparisons are unwise, but major trends in attendance, number of papers, etc. are readily apparent. Groupings of papers usually follow the section of the program in which they presented. "Subject Investigated" may total more than the actual number of papers because some reported on more than one principal topic.

1947 - 1948

February 18-19, 1947

Cornell University Ithaca, NY

Acting Chairman:

R.D. Sweet, Cornell

President: G.H. Ahlgren (deceased)

Rutgers Univ.

Number Registered: 84

### General Session (Minutes in Appendix)

1. Summaries of work in progress and problems needing attention.

Subject

Chairperson

Turf and Pastures

H.B. Musser

Field Crops

G.H. Ahlgren

Vegetables and Potatoes

B.H. Grigsby

Fruits

A.E. Prince

Nursery and Ornamentals

A.M.S. Pridham

Aquatic Plants

G.M. Shear

Weeds and Public Health

C.B. Link

2. The NEWCC was organized, officers elected and basic objectives stated.

Comments:

Industry and the public sectors were almost equally represented.  
(Registration list in appendix).

## 1948 - 1949

January 12-13, 1948  
Number Registered: 226

Hotel Commodore, New York City  
No sustaining members; no exhibitors

### Executive Committee

Chairman:	G.H. Ahlgren *	Rutgers University
Vice Chairman:	B.H. Grigsby	Michigan State Univ.
Secretary-Treasurer:	R.D. Sweet	Cornell University
Program:	B. Wolf	Seabrook Farms, NJ
Research:	H.B. Musser *	Penn. State College

\*deceased

### General Session

1. Written reports were given by the chairmen of each of the 7 subject matter areas designated in 1947. These comprise the bulk of the Proceedings. A few individual papers were presented.
2. At the business meeting new committees were established as follows:

Policy	Regional Support
Publications	Research

### Comments

The registration fee of \$2.00 included a copy of the Proceedings.

125 people attended a rather fancy noon luncheon which cost \$3.51 including tip and tax. Principal operating expenses for the year:

Programs	\$28.00
Telephone	\$10.00
Postage	\$28.00
Proceedings:	No cost data. The secretary (Sweet) and his staff did all the work on Cornell time. He can't remember who paid for the paper. AB Dick Stencils were provided by the authors.

## 1949 - 1950

January 5,6,7, 1949  
 Number Registered: 280

Hotel New Yorker, New York City  
 Exhibitors: 14

Executive Committee

President:	R.D. Sweet	Cornell University
Vice President:	H.L. Yowell*	Standard Oil Development
Secretary-Treasurer:	Dale E. Wolfe	Rutgers University
Research Coordinating:	W.C. Jacob*	Cornell University
Program:	A.E. Prince*	University of Maine
Publications:	R.H. Beatty*	Am. Chem. Paint Co.
Trade Show:	G.H. Ahlgren*	Rutgers University

\*deceased

Program

The general session was an all-day program that included nine speakers representing the Bureau of Plant Industry, Boyce-Thompson Institute, Canadian National Research, Cornell and private industry. They covered topics ranging from national programs in weed research to physiology of 2,4-D responses, and factors influencing its persistence in soils.

The research report was an important part of the program. However, more time was devoted to individual papers than in the previous meeting. Five papers were on mode of action, 3 on equipment, 4 on field corn, 18 on small fruits and vegetables, 2 on turf and 2 on forests and rights-of-way.

Business

An enlarged research committee, to be called "Research Coordinating Committee" was established.

The trade show was proving to be very difficult. Industry suggested they probably would prefer to make direct cash contributions to support the organization.

## 1950 - 1951

January 3, 4, 5, 1950  
Number Registered: 380

Hotel New Yorker, New York City  
Exhibitors: 44

### Executive Committee

President:	H.L. Yowell*	Esso Standard Oil, N.J.
Vice President:	S.M. Raleigh	Penn. State University
Secretary-Treasurer:	W.C. Jacob*	Cornell University
Program:	T.R. Cox	Am. Cyanamid Co.
Publication:	R.H. Beatty*	Am. Chem. Paint Co.
Research Coordinating:	R.D. Sweet	Cornell University
Trade Show:	G.H. Ahlgren*	Rutgers University

\*Deceased

### General Session

A report was given by R.D. Sweet on the 3 other regional conferences. K.S. Quisinberry, USDA, spoke on the good cooperation that was occurring in weed research. A.G. Norman, Camp Detrick discussed herbicide persistence in soils. Companies continued to have exhibits in spite of trade show difficulties.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	6	Application equipment	8
Forests and Brush	5	Application techniques	1
Fruit	4	Formulations	2
Rights of Way	3	Physiology, mode of action	2
Turf	7	Public health	6
Vegetables	15	Research methods	1
		Soils	1

**1951 - 1952**

January 3, 4, 5, 1951  
 Number Registered: 340

Hotel New Yorker, New York City  
 Exhibitors\* \*

President:	S.M. Raleigh	Pennsylvania State College
Vice President:	C.E. Minarik*	Chem. Corps, Camp Detrick
Secretary-Treasurer:	W.C. Jacob*	Cornell University
Program:	C.E. Phillips*	University of Delaware
Local Arrangements:	Walter Baran*	Dow Chemical Co.
Sustaining Membership:	A.H. Fletcher	Dept. Health, NJ
Publication:	R.H. Beatty*	Am. Chem. Paint Co.
Research Coordinating:	W.H. Jackman	University of Mass.
Public Relations:	H.J. Carew*	Cornell University

\*Deceased

General Session

Symposia

Pre-emergence Herbicides: Behavior in soils, plant responses, limitations

Brush control: The problem, contractor viewpoint, and ecological considerations, e.g., herbicide toxicity to humans, wildlife, fish, honeybees

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	7	Application equipment	1
Forest and Brush	4	Application techniques	2
Fruit	6	Conservation	2
Ornamentals	2	Formulations	2
Rights of Way	5	Herbicide activity	14
Turf	4	Physiology, mode of action	1
Vegetables	9	Public health	8
		Research methods	2
		Weather	1

Comments: Registrants came from 22 states, Canada, South Africa, Great Britain and Venezuela.

\*\*No list of exhibitors could be found, however they contributed \$875.00, while registrations amounted to \$658.00.

## 1952 - 1953

January 2, 3, 4, 1952  
Number Registered: 395

Hotel New Yorker, New York City  
Sustaining Members: 34

### Executive Committee

President:	C. E. Minarik*	Camp Detrick Maryland
Vice President:	R.H. Beatty*	Am. Chem. Paint co.
Secretary-Treasurer:	W.C. Jacob*	Cornell University
Editorial Board for "Weeds":	H.L. Yowell*	Standard Oil
Program:	R.J. Aldrich	Rutgers University
Research Coordinating:	S.N. Fertig	Cornell University
Publication:	W.C. Shaw*	U.S.D.A.
Sustaining Membership:	S.J. Noll*	Penn State College
Public Relations:	A.O. Kuhn	University of Maryland

\*Deceased

### General Session

#### Symposium

Toxicity of herbicides: Emphasis was on the dangers to livestock, particularly from their consumption of sprayed toxic plants which became palatable after being treated with 2,4-D and similar herbicides.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	11	Application equipment	1
Forest	4	Application techniques	2
Fruit	3	Formulations	1
Ornamentals	3	Herbicide activity	39
Rights of Way	3	Herbicide combinations	1
Pasture	2	Physiology, mode of action	1
Turf	3	Public health	2
Vegetables	21	Research methods	2
		Soils	1
		Weather	1

Comment: Registrants included 12 from the press.

**1953 - 1954**

January 7, 8, 9, 1953  
 Number Registered: 432

Hotel New Yorker, New York City  
 Sustaining Members: 38

Executive Committee

President:	R.H. Beatty *	Am. Chem. Paint co.
Vice President:	A.O. Kuhn	University of Maryland
Secretary-Treasurer:	W.C. Jacob *	Cornell University
Editorial Board for "Weeds":	H.L. Yowell *	Standard Oil, N.J.
Program:	John VanGeluwe *	G.L.F. (Agway)
Publication:	R.J. Aldrich	Rutgers University
Sustaining Membership:	M.F. Trevett	University of Maine
Research Coordinating:	T.E. Odland *	Rhode Island
Public Relations:	L.L. Danielson	VA Truck Expt. Sta.

\*deceased

General Session

## Panel Discussion

Methodology of evaluating herbicides, particularly rating systems.

Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	7	Application equipment	1
Aquatic	1	Application techniques	3
Forest	2	Formulations	1
Fruit	5	Herbicide activity	25
Ornamentals	3	Physiology, mode of action	2
Pasture	1	Public health	1
Turf	3	Research Methods	3
Vegetables	19	Soils	1

## 1954 - 1955

January 5, 6, 7, 1954  
Number Registered: 494

Hotel New Yorker, New York City  
Sustaining Members: 41

### Executive Committee

President:	A.O. Kuhn*	University of Maryland
Vice President:	J. VanGeluwe*	G.L.F. (Agway)
Secretary-Treasurer:	W.C. Jacob*	Cornell University
Editorial Board of "Weeds":	R.D. Sweet	Cornell University
Program:	W.W. Smith	Univ. of New Hampshire
Research Coordinating:	L.L. Danielson	VA Truck Expt. Sta.
Sustaining Membership:	C.L. Hovey	Eastern States Farmers Exchange
Public Relations:	R.A. Peters	University of Conn.
Awards:	R.H. Beatty*	Am. Chem. Paint Co.

\*deceased

### General Session

The general session featured two themes, movement and activity of herbicides, and the development of strong extension programs. 12 papers total.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	13	Application techniques	6
Forest	9	Conservation	2
Ornamentals	9	Extension	5
Pasture	2	Formulations	4
Rights of Way	6	Growth regulator	1
Turf	4	Herbicide activity	35
Vegetables	25	Herbicide combinations	1
		Public health	9
		Soils	2
		Tillage systems	3
		Weather	4

### Comments:

First paper on granular formulations. Registrants included 14 persons from the press.



AwardsExtension:

N.J. Smith, Asst. County Agent, Madison County, New York

Outstanding Papers:Authors

1. J.N. Yeatman, J.W. Brown,  
J.A Thorne, J.R. Conover
2. S.L. Dallyn
3. L.L. Danielson
4. W.E. Chappell
5. J.H. Ruskin

Affiliation

Camp Detrick  
L.I. Veg. Res. Farm, Cornell  
VA. Truck Agric. Expt. Sta.  
V.P.I., Blacksburg, VA.  
Dept. Health, Detroit, Mich.

## 1955 - 1956

January 5, 6, 7, 1956  
Number Registered: 548

Hotel New Yorker, New York City  
Sustaining Members: 41

### Executive Committee

President:	J. VanGeluwe*	G.L.F., Ithaca, NY
Vice President:	L.L. Danielson	VA. Truck Agr. Exp. Sta.
Secretary:	R.J. Aldrich	Rutgers University
Treasurer:	D.A. Shallock*	Rutgers University
Program:	C.L. Hovey	Eastern States Farmers Exchange
Research Coordinating:	R.A. Peters	University of Conn.
Publications:	R.J. Aldrich	Rutgers University
Sustaining Membership:	L.E. Cowart	DuPont
Public Relations:	E.M. Rahn*	University of Delaware
Awards:	A.O. Kuhn	University of Maryland

\*deceased

### General Session

The general session featured new chemistry from Monsanto and equipment developments. The Principle Speaker explained the problems being encountered in registering new compounds - a first!

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	18	Application equipment	3
Aquatic	5	Application techniques	2
Forest & brush	5	Extension	1
Fruit	3	Formulations	1
Industrial	1	Herbicide activity	63
Lab and greenhouse	0	Physiology, mode of action	1
Ornamentals	1	Public health	4
Rights of Way	5	Research methods	1
Turf	7	Soils	1
Vegetables	27	Weather	2
		Goose grass	1
		Veronica	1
		White Clover	1

Awards

Outstanding Paper

M.W. Schreiber, graduate student Cornell

Comment: First papers to emphasize a particular weed.

## 1956 - 1957

January 6, 1956

Hotel New Yorker, New York City

Only a 1 day meeting of NEWCC because we were hosts for the  
first meeting of WSSA, then called WSA.

Number Registered: 667

Sustaining Members: 42

### Executive Committee

President:	L.L. Danielson	VA. Truck Agr Expt Sta.
Vice-President:	C.L. Hovey	East. States Farmers Exchange
Secretary:	R.J. Aldrich	Rutgers University
Treasurer:	D.A. Shallock*	Rutgers University
Program:	R.A. Peters	University of Connecticut
Research Coordinating:	J.R. Havis	University of Mass.
Sustaining Membership:	L.G. Utter*	Diamond-Alkali
Public Relations:	E.M. Rahn*	University of Delaware

\*deceased

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	8	Application techniques	1
Forest & brush	2	Formulations	2
Fruit	5	Herbicide activity	49
Industrial	1	Physiology, mode of action	4
Ornamentals	3	Soils	3
Pasture	1		
Turf	5		
Vegetables	24		

### Awards

None.

## 1957 - 1958

January 10, 11, 12, 1957

Hotel New Yorker, New York City

Number Registered: 574

Sustaining Members: 41

### Executive Committee

President:	C.L. Hovey	Eastern States Farmers Exchange
Vice President:	S.N. Fertig	Cornell University
Secretary:	R.J. Aldrich	Rutgers University
Treasurer:	D.A. Shallock*	Rutgers University
Program:	J.R. Harris	Shell Oil Co.
Research Coordinating:	E.M. Rahn*	University of Delaware
Sustaining Membership:	E.D. Witman	Columbia-Southern Chem.
Public Relations:	L.G. Utter*	Diamond Alkali
Awards:	L.L. Danielson	VA. Truck Agr. Expt. Sta.
Publications:	R.J. Aldrich	Rutgers University

\*deceased

### General Session

The highlight of the general session was the presentation by Stauffer of EPTC, a material that needed to be incorporated prior to planting the crop. Other papers dealt with the usefulness of herbicides in roadside vegetation control, and the value of using proven extension methods in conducting weed control programs.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	5	Application equipment	1
Aquatic	11	Application techniques	4
Forest and Brush	8	Extension	3
Fruit	1	Formulations	5
Ornamentals	5	Herbicide activity	54
Pasture	1	Physiology, mode of action	1
Rights of Way	3	Soils	1
Turf	3		
Vegetables	12		

AwardsExtension:

C.O. Cartwright      Agric. Ext. Agent, Essex County, Mass.

Outstanding Paper

A.J. Kerkin and R. A. Peters      University of Conn., Storrs

W.C. Bramble, W.R. Byrnes,  
D. P. Wosley      Penn. State University

**1958 - 1959**

January 8, 9, 10, 1958  
 Number Registered: 564

Hotel New Yorker, New York City  
 Sustaining Members: 36

Executive Committee

President:	S.N. Fertig	Cornell University
Vice-President:	L.G. Utter*	Diamond-Alkali
Secretary-Treasurer:	D.A. Shallock*	Rutgers University
Program:	P. Santleman	University of Maryland
Research Coordinating:	M. Schreiber	USDA, Cornell
Sustaining Membership:	L. Southwick	Dow Chemical
Public Relations:	E.R. Marshall	Union Carbide
Awards:	C.L. Hovey	Eastern States Farmer's Exchange
Ad Hoc: To study Research Coordinating:	E.M. Rahn	

\*deceased

General Session

The general session featured "variable dosage" sprayers in England and the U.S. Also a paper on weeds in Alaska.

Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	9	Application equipment	2
Aquatic	8	Application techniques	2
Forest & brush	4	Formulations	5
Fruit	5	Herbicide activity	66
Industrial	1	Herbicide combinations	1
Ornamentals	6	Public health	5
Rights of Way	12	Soils	3
Turf	3		
Vegetables	13		

AwardsOutstanding Papers

C.M. Switzer  
E.E. Compagna

Ont. Agric. Coll. Guelph, Ontario, Canada  
Laval University Quebec, Canada



## 1959 - 1960

January 7, 8, 9, 1959  
Number Registered: 615

Hotel New Yorker, New York City  
Sustaining Members: 43

### Executive Committee

President:	L.G. Utter*	Diamond-Alkalai Co., Ohio
Vice President:	E.M. Rahn*	University of Delaware
Secretary-Treasurer:	D.A. Shallock*	Rutgers University
Program:	W.E. Chappell	V.P.I.
Research Coordinating:	C.J. Noll*	Penn. State University
Sustaining Membership:	A.B. Lindquist	Stauffer Chem. Co.
Public Relations:	M.G. Wiltse	Dow Chemical
Awards:	S.N. Fertig	Cornell University
Publications:	D.A. Shallock*	Rutgers University

\*deceased

### General Session

Invited speakers presented the status of weed science in their home countries of Canada and South Africa. Others gave material on herbicides and soil microflora, mode of action and translocation, ecological aspects of plants, public health, herbicides and conservation.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural crops	39	Application equipment	1
Agronomic Crops	24	Application techniques	7
Industrial and highways	17	Formulations	9
Public health	7	Growth regulators	1
Aquatics	6	Herbicide activity	62
Conservation and Forestry	9	Herbicide combinations	2
		Physiology	2
		Soils	3
		Tillage & control systems	3
		Weed biology	13
		Weed-crop competition	3

AwardsOutstanding Papers:

W. G. Wells and R.A. Peters      University of Connecticut

J. R. Havis, R. L. Ticknor and      University of Mass.  
P. F. Boblua

Extension:

P. A. Lutz	Pearl River, NY
Maurice Bowen	East Orange, NJ

## 1960 - 1961

January 6, 7, 8, 1960  
Number Registered: 655

Hotel New Yorker, New York City  
Sustaining Members: 38

### Executive Committee

President:	E. M. Rahn*	University of Delaware
Vice President:	L. Southwick	Dow Chemical
Secretary-Treasurer:	D.A. Shallock*	Rutgers University
Program:	M.W. Meadows	G.L.F. (Agway)
Research Coordinating:	P.W. Santleman	University of Maryland
Publications:	D.A. Shallock*	Rutgers University
Sustaining Membership:	A.J. Tafaro	Amchem Products
Research Coordinator:	R.D. Ilnicki	Rutgers University
Sustaining Membership:	C.E. Bartley	Geigy Ag. Chem.
Awards:	L.G. Utter	Diamond-Alkalai Co., Ohio

\*deceased

### General Session 1960 - 1961

Invited speakers addressed the following:

- Granular Herbicides and Equipment
- New chemicals
- Modes of Action of Herbicides
- Canadian National Weed Program
- Herbicide Breakdown by Soil Bacteria
- Determining Weed Losses

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural Crops	36	Application equipment	2
Agronomic Crops	31	Application techniques	5
Industrial and Highways	13	Growth regulators	1
Public Health	4	Herbicide activity	63
Aquatics	9	Herbicide combinations	2
		Physiology	5
		Soils	2
		Tillage & control	8
		Weed biology	4

### Awards

Outstanding Papers  
W. F. Megitt

Rutgers University

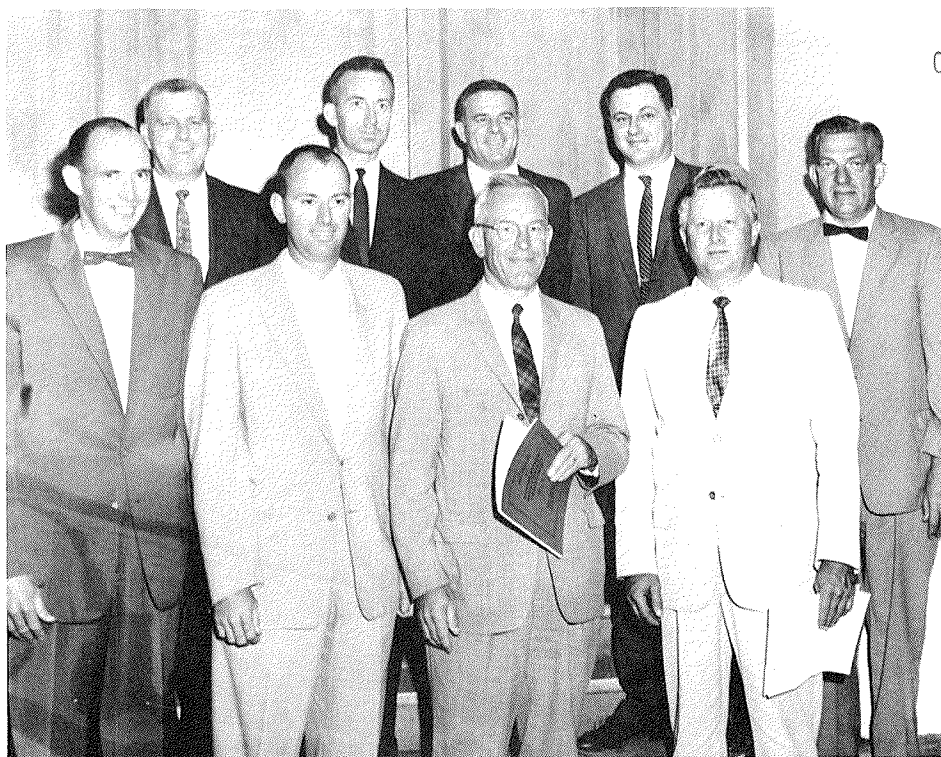
## 1961 - 1962

January 4, 5, 6 1961  
Number Registered: 682

Hotel New Yorker, New York City  
Sustaining Members: 46

### Executive Committee

President:	L. Southwick	Dow Chemical Co.
Vice President:	D.A. Shallock*	Rutgers University
Secretary:	P. Santleman	University of Maryland
Treasurer:	J.A. Meade	Rutgers University
Program:	R.A. Peters	University of Conn.
Publicity:	A.J. Tafaro	Amchem Products
Research Coordinating:	C.E. Bartley	Geigy Ag. Chem.
Awards:	E.M. Rahn*	University of Delaware



1961-62 Executive Committee (Oct. 61 photo)  
Front, L to R: J.A. Meade, P. Santleman; L. Southwick,  
D.A. Shallock\*  
Back, L to R: D.H. Marsden, R.A. Peters, A.J. Tafuro, R.D. Ilnicki,  
E.M. Rahn\*

(Photo from Marsden)

\*deceased

### General Session

Invited speakers addressed the following:

Weed Identification	Granular Herbicides
Metabolism of Herbicides	New Chemicals
Additives and Wetting Agents	Weed Control in suburban settings.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural Crops	43	Application equipment	1
Agronomic Crops	41	Application techniques	9
Industrial and Highways	14	Formulations	8
Public Health	5	Growth regulators	1
Aquatics	1	Herbicide activity	67
Conservation and Forestry	4	Herbicide combinations	0
		Physiology	7
		Soils	2
		Tillage & control systems	11
		Weed biology	7
		Weather	2
		Weed crop competition	1

### Awards

#### Outstanding Papers

H. C. Yokum, M.J. Jutras, and R.A. Peters      University of Conn.

#### Comment:

The first paper on delayed planting, the technique now called "stale seed bed".

## 1962 - 1963

January 3, 4, 5, 1962  
Number Registered: 607

Hotel New Yorker, New York City  
Sustaining Members: 51

### Executive Committee

President:	D. A. Shallock*	Rutgers University
Vice President:	A. J. Tafuro	American Cyanamid
Secretary**:	P. Santleman	University of Maryland
Treasurer**:	J. A. Meade	University of Maryland
Program:	R. D. Ilnicki	Rutgers University
Sustaining Membership:	F. Ashbaugh	West Penn Power Co.
Public Relations:	R. Skogley	Univ. of Rhode Island
Research Coordinating:	G. D. Hill	DuPont
Awards:	L. Southwick	Dow Chemical Co.

\*deceased

\*\*Santlemann was leaving for Oklahoma and J. A. Meade took over both positions.

### General Session

Seven persons were invited to make presentations on:

Aquatics	State regulations
Weed biology	New chemicals
Modes of action of herbicides	Forest management
Turf management	

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural Crops	52	Application equipment	7
Agronomic Crops	20	Application techniques	2
Industrial and Highways	4	Formulations	7
Public Health	2	Growth regulators	2
Aquatics	1	Herbicide activity	67
Conservation and Forestry	6	Herbicide combinations	1
		Physiology	4
		Soils	3
		Tillage & control systems	4
		Weed biology	2
		Weather	2
		Weed crop competition	1

Awards

Outstanding Papers

H.M. LeBaron and S.N. Fertig  
V.D. Stotts and C.R. Gillette

Cornell University  
Annapolis Maryland

Comment:

Our record keeping failed. Only members of the society are eligible for awards, but Stotts and Gillette never paid a membership or registration fee.

## 1963 - 1964

January 9, 10, 11, 1963  
Number Registered: 677

Hotel New Yorker, New York City  
Sustaining Members: 59

### Executive Committee

President:	A. J. Tafuro	American Cyanamid Co.
Vice President:	R. A. Peters	University of Conn.
Secretary and Treasurer:	J. A. Meade	University of Maryland
Program:	G. D. Hill	DuPont
Research Coordinating:	C. J. Noll*	Penn State University
Public Relations:	J. Flanagan	Geigy Agr. Chem. Co.
Sustaining Members:	A. V. Lohr	Hercules Power Co.
Awards and Nominations:	D. A. Shallock*	Rutgers University
WSSA Representative:	D. A. Shallock*	Rutgers University

\*deceased

### General Session

There were seven invited speakers who presented information on:

Utility rights of way	Modes of action of herbicides
Public relations	Environmental concerns
Controlled environment studies	New chemicals
Pesticide tolerances	

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural Crops	52	Application equipment	8
Agronomic Crops	18	Application techniques	5
Industrial and Highways	12	Environment	2
Public Health	2	Formulations	7
Aquatics	9	Growth regulators	2
Conservation and Forestry	9	Herbicide activity	60
		Physiology	3
		Soils	1
		Weather	1
		Weed-crop competition	1
		Weed biology, ecology	7



AwardsOutstanding Papers

G.M. Hamilton and E.M. Rahn  
J.C. Cialone and R.D. Sweet  
M.G. Merkle and S.N. Fertig

University of Delaware  
Cornell University  
Cornell University

Comment:

Our troubles with the unions caused us the loss of 3 projectors. The hotel had both 60 and 25 cycle current in the meeting rooms, but only the union electricians knew which outlets were which. We insisted on running our own machines and 50% of the time we chose the wrong outlet.

## 1964 - 1965

January 8, 9, 10, 1964  
Number Registered: 742

Hotel New Yorker, New York City  
Sustaining Members: 68

### Executive Committee

President:	R. A. Peters	University of Conn.
Vice President:	G. D. Hill	E.I. DuPont de Nemours
Secretary and Treasurer:	J. A. Meade	University of Maryland
Program:	J. F. Ahrens	Agr. Expt. Sta., Conn.
Research Coordinating:	R. Cole	University of Delaware
Sustaining Membership:	J. Gallagher	Amchem. Products
Public Relations:	R. A. Schwartzbeck	Dow Chemical
Awards:	A. J. Tafuro	American Cyanamid

### General Session

Four invited speakers gave information on:

- Highway vegetation management
- Fate of herbicides in soils
- Surfactants
- New chemicals

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural Crops	48	Application equipment	3
Agronomic Crops	29	Application techniques	7
Industrial and Highways	8	Environment	3
Public Health	7	Formulations	5
Aquatics	7	Growth regulators	2
Conservation and Forestry	8	Herbicide activity	58
Turf	8	Herbicide combinations	4
		Physiology	8
		Research methods	2
		Soils	2
		Tillage & control systems	14
		Weed biology, ecology	5

AwardsOutstanding Papers

I.C. Reigner, USDA Forest Service; W.E. Sopper, Penn. State University; R.R. Johnson, AmChem.

D. L. Linscott and R. D. Hagin, Cornell University

## 1965 - 1966

January 6, 7, 8, 1965  
Number Registered: 767

Hotel Astor, New York City  
Sustaining Members: 71

### Executive Committee

President:	G. D. Hill	E.I. DuPont de Nemours
Vice President:	R. D. Ilnicki	Rutgers University
Secretary and Treasurer:	J. A. Meade	University of Maryland
Program:	H. LeBaron	Geigy Agri. Chemicals
Research Coordinating	J. F. Ahrens	Conn. Agr. Expt. Sta.
Sustaining Membership:	W. E. Ashton	Hooker Chem. Corp.
Public Relations:	J. Gallagher	Amchem Products
Awards:	R. A. Peters	University of Conn.

### General Session

Three invited speakers presented information on herbicide application equipment and techniques, dimensions of the weed problem, and standardization of terminology.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Horticultural Crops	41	Application equipment	1
Agronomic Crops	18	Application techniques	7
Ecology, Phys., Soils	10	Growth regulators	2
Industrial and Brush	14	Herbicide activity	61
Public Health	2	Herbicide combinations	3
Aquatics	6	Physiology	10
Ind., Forestry, Cons.	14	Research methods	2
Turf	11	Soils	7
		Tillage & control systems	12
		Weed biology, ecology	1
		Weed-crop competition	1

AwardsOutstanding papers

B.M. Metzger, J.K. Baldwin and R.D. Ilnicki  
J.W. Suggitt

Rutgers University  
Hydroelectric  
Commission, Ontario, Canada

Comments:

The hotel was not prepared for a "working" conference. As a consequence meeting rooms were not ready at 8:00 a.m. Members pitched in and sections got started about 8:15.

The 767 registered was our highest attendance before or since.

## 1966 - 1967

January 5, 6, 7, 1966  
Number Registered: 659

Hotel Astor, New York City  
Sustaining Members: 74

### Executive Committee

President:	R. D. Ilnicki	Rutgers University
Vice President:	J. Gallagher	Amchem. Products
Secretary and Treasurer:	A. Bing	Cornell University
Program:	W. Welker	USDA - Rutgers Univ.
Research Coordinating:	C. Haramaki	Penn State University
Housing:	J. Gallagher	Amchem Products
Sustaining Membership:	K. P. Dorschner	W.R. Grace
Public Relations:	H. LeBaron	Geigy Chem. Corp.
Awards and Nominations:	G. D. Hill	DuPont



1966-67 Executive Committee  
Front, L to R: A. Bing, G.D. Hill, R.D. Ilnicki, J. Gallagher  
Back, L to R: C. Haramaki, W. Welker, K.P. Dorschner, H. LeBaron  
(Photo courtesy H. LeBaron)

### General Session

Outgoing President, G.D. Hill reminded us that we still had a long way to go in informing the public about the need for and benefits of herbicides. Also, in looking to the future, more selective herbicides are needed, basic research needs to be increased, and applied research kept at high levels.

Four invited speakers gave presentations as follows:

C.L. Hovey:	A review of our history and accomplishments
W.R. Fertik:	Problems and solutions in weed science
B.B. Kemp:	A farmer's perspectives on weed problems and herbicides
R.E. Afoot:	Controlling plants with chemicals, past, present, future

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Vegetables, Potatoes	27	Application equipment	2
Fruits	6	Application techniques	7
Ornamentals	10	Environment	5
Agronomic Crops	30	Formulations	12
Ecology, Phys., Soils	12	Growth regulators	4
Industrial and Brush	9	Herbicide activity	70
Public Health	3	Herbicide combinations	10
Aquatics	6	Physiology	11
Ind., Forestry, Cons.	6	Research methods	1
Turfgrass	15	Soils	4
		Tillage & control systems	18
		Weed biology, ecology	1

## Awards

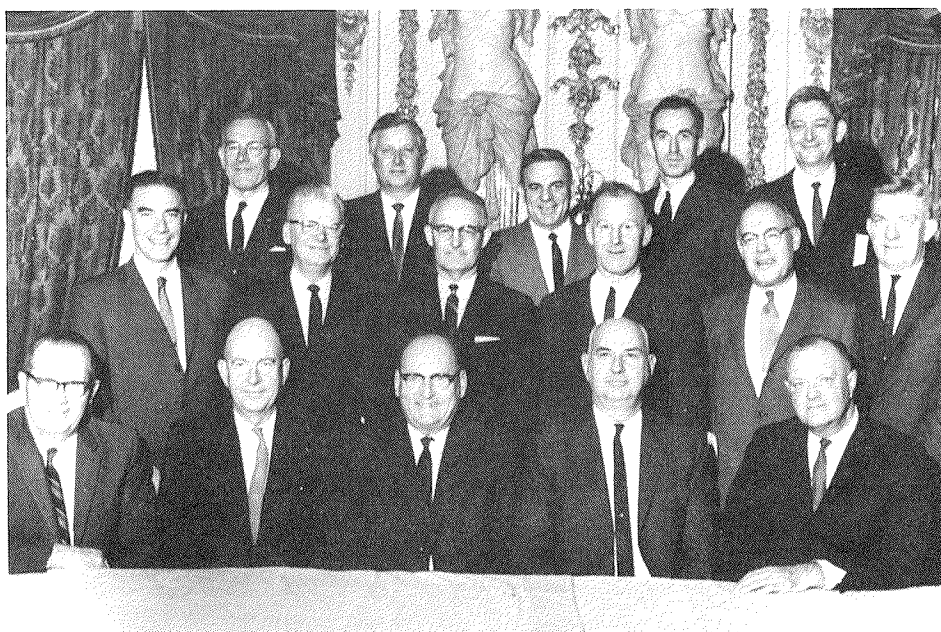
### Outstanding papers

C. Buchholz  
B.C. Byrd and C.A. Reimer

Cornell University  
Dow Chemical Co.

### Comments:

The Executive Committee was asked by the membership to investigate sites outside of NY City. The hassels of checking in and out, parking, and high costs prompted the request.



### Past Presidents

Seated L to R  
R.D. Sweet 49-50  
\*H.L. Yowell 50-51  
S.M. Raleigh 51-52  
\*C.E. Minarik 52-53  
\*R.H. Beatty 53-54

Middle L to R  
A.D. Kuhn 54-55  
L.L. Danielson 56-57  
C.L. Hovey 57-58  
S.N. Fertig 58-59  
\*G. Utter 59-60  
\*E.M. Rahn 60-61

Back L to R  
L. Southwick 61-62  
\*D.A. Shallock 62-63  
A.J. Tafuro 63-64  
R.A. Peters 64-65  
G.D. Hill 65-66

Absent: G.H. Ahlgren 47-49; J. VanGeluwe 55-56

\*deceased

(1966 Photo from R.D. Sweet)



## 1967 - 1968

January 4, 5, 6, 1967  
Number Registered: 716

Hotel Astor, New York City  
Sustaining Members: 77

### Executive Committee

President:	J. Gallagher	Amchem Products
Vice President:	J. Meade	Rutgers University
Secretary and Treasurer:	A. Bing	Cornell University
Program:	G. Bayer	Agway Inc.
Research Coordinating:	J. Ahrens	University Conn.
Sustaining Membership:	H. LeBaron	Geigy Chem. Corp.
Public Relations:	J. R. Hansen	Hercules Powder Co.
Awards and Nominations:	R. D. Illnicki	Rutgers University

### General Session

Outgoing President R.D. Illnicki "kicked off" the meeting with his address "Informing the Public", which also was the theme of the conference. B.R. Wilson, Rutgers University, enumerated the challenges facing the Land Grant system. F.R. Abeele, Elanco, gave suggestions on how we could mobilize resources to better feed the world. E.R. Marshall, Union Carbide gave an update and analysis of the world-wide pesticide situation.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Vegetables	23	Application equipment	1
Potatoes	8	Application techniques	7
Fruit and Ornamentals	12	Environment	8
Agronomic Crops	29	Formulations	13
Ind. and Conservation	16	Growth regulators	1
Public Health	1	Herbicide activity	47
Aquatics	8	Herbicide combinations	10
Turfgrass	12	Physiology	17
Ecology, Phys., soils	11	Research methods	2
		Soils	7
		Tillage & control systems	5
		Weather	2
		Weed biology, ecology	2
		Weed-crop competition	1

AwardsOutstanding papers

R.T. Leonard and R. C. Wakefield

University of N.H.

L.E. Wheatley and R.H. Cole

University of Delaware

Comment:

The proceedings were dedicated to D.A. Shallock, 1919-66, the first former officer of NEWCC to die.

**1968 - 1969**

January 3, 4, 5, 1968  
 Number Registered: 640

Hotel Commodore, New York City  
 Sustaining Members: 74

Executive Committee

President:	J. Meade	Rutgers University
Vice President:	H. LeBaron	Geigy Ag. Chem. Corp.
Secretary and Treasurer:	A. Bing	Cornell University
Program:	C. Haramaki	Penn State University
Research Coordinating:	J. Ahrens	University Conn.
Sustaining Membership:	G. Bayer	Agway Inc.
Public Relations:	G. Wilson	Shell Chem. Co.
Education:	W. Gentner	USDA
WSSA Representative:	R. Schwartzbeck	Dow Chem. Co.
Awards and Nominations:	J. Gallagher	Amchem Products

General Session

Outgoing President John Gallagher stressed the need for more people in the Land Grant System to do research on weeds and environmental aspects of Weed Science. He believed Weed Science departments should be formed.

An invited paper by C.E. Minarik on Herbicides in Vietnam was very informative.

A session on rating systems was spirited, but "standardization" appeared to be far in the future.

Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	17	Application equipment	1
Vegetables	20	Application techniques	3
Potatoes	8	Environment	7
Fruit	3	Formulations	11
Ind. Forestry, Cons.	9	Growth regulators	3
Aquatics	8	Herbicide activity	44
Public Health	7	Herbicide combinations	3
Turfgrass	7	Physiology	8
		Research methods	1
		Tillage & control systems	14
		Weather	1
		Weed biology, ecology	6

## Awards

### Outstanding papers

None awarded. The judges stated that there were several excellent reports but the authors used trade names, not generic names, and thus were disqualified.

## 1969 - 1970

January 8, 9, 10, 1969  
Number Registered: 640

Hotel Commodore, New York City  
Sustaining Members: 78

### Executive Committee

President:	H. LeBaron	Geigy Agri. Chem. Corp.
Vice President:	J. Ahrens	Univ. of Connecticut
Secretary and Treasurer:	A. Bing	Cornell University
Program:	J.C. Cialone	Rutgers University
Research Coordinating:	G. Bayer	Agway Inc.
Sustaining Membership:	C.W. Middleton	Asplund Tree Exp.
Public Relations:	R. Feeney	Am. Cyanamid
Education:	R. Otten	Amchem Products
Awards and Nominations:	J.A. Meade	Rutgers University

### General Session

W.B. Ennis Jr., the invited speaker, reviewed the many advances made in herbicides. However, he emphasized that much more work needed to be done in areas such as weed biology and ecology, herbicide impacts on the environment, and human health considerations. Regulatory problems often arise because of inadequate residue and toxicological data. Also a serious regulatory gap exists regarding the importation of seeds which might give rise to a new noxious weed.

No record of an address by outgoing President J.A. Meade.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	22	Application equipment	3
Vegetables	15	Application techniques	8
Fruit	5	Environment	4
Ornamentals	7	Formulations	2
Public Health	6	Growth regulators	1
Aquatics	11	Herbicide activity	41
Ind. Forestry, Cons.	10	Herbicide combinations	4
		Physiology	8
		Research methods	1
		Tillage & control systems	12
		Weed biology, ecology	5

## Awards

### Outstanding papers

H.P. Wilson and R.L. Waterfield	Va. Truck and Ornamentals Laboratory, Painter, VA.
O.E. Schubert	West Virginia, University

### Comments:

J.C. Cialone's paper described a hand-held logarithmic variable-dosage sprayer.

An evening program for high school science teachers designed to acquaint them about herbicides and the weed science discipline was a resounding failure! Only a handful of teachers came, and they left early.

## 1970 - 1971

January 7, 8, 9, 1970  
Number Registered: 580

Hotel New Yorker, New York City  
Sustaining Members: 84

### Executive Committee

President:	J. F. Ahrens	Conn. Agr. Expt. Sta.
Vice President:	G. Bayer	Agway Inc.
Secretary-Treasurer:	A. Bing	Cornell University
Program:	T. Flanagan	Univ. of Vermont
Sustaining membership:	R. Hansen	Hercules Powder Co.
Research coordinating:	J. Cialone	Rutgers University
Publications:	W. Gentner	USDA-ARS
Public relations:	R. Feeney	Am. Cyanamid
WSSA representative:	C. Dickerson, Jr.	Monsanto
Awards:	H. LeBaron	Geigy Agr. Chemicals

### General Session

Outgoing President Homer LeBaron reviewed our many past successes. A major failure has been our inability to gain public understanding of the need for herbicides for economical food production, and acceptance of the fact that they pose minimum risk to humans and the environment when used correctly. We must continue these efforts. Also, all of us must be flexible in our opinions, objective in our research, and recognize that our problems are actually challenges and opportunities.

Three invited speakers presented information on herbicide application equipment and techniques, dimensions of the weed problem, and standardization of terminology.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	26	Application equipment	1
Aquatics	9	Application techniques	7
Fruit and Vegetables	26	Formulations	15
Ind., Forestry, Cons.	*9	Growth regulators	2
Turf	5	Herbicide activity	61
Ecology, Phys., Soils	14	Herbicide combinations	3
		Physiology	10
		Research methods	2
		Soils	7
*Also panel discussion		Tillage and control systems	12
		Weed biology, ecology	1
		Weed-crop competition	1

AwardsOutstanding papers

B.M. Metzger, J.K. Baldwin and R.D. Ilnicki  
J.W. Suggitt

Rutgers Univ.  
Hydroelectric  
Commission,  
Ontario, Canada



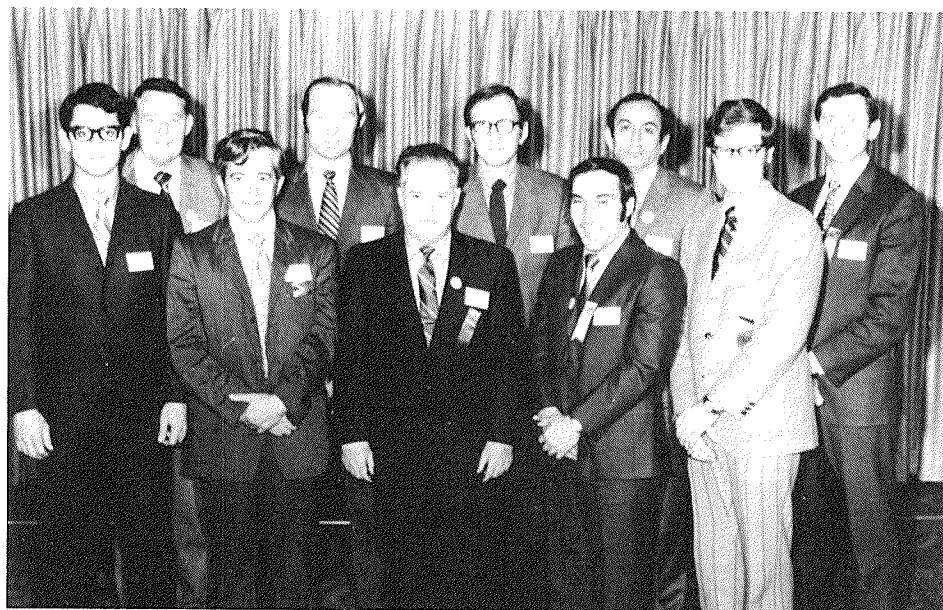
## 1971-1972

January 6, 7, 8, 1971  
Number Registered: 503

Hotel Commodore, New York City  
Sustaining Members: 80

### Executive Committee

President:	G. H. Bayer	Agway Inc.
Vice President:	A. Bing	Cornell University
Secretary-Treasurer:	H. P. Wilson	V.P.I.
Program:	R. Hansen	Hercules Inc.
Research coordinating:	W. B. Duke	Cornell University
Sustaining membership:	V. H. Unger	Rohm & Haas
Publications:	T. R. Flanagan	University of Vermont
Public relations:	J. C. Cialone	Rutgers University
WSSA Representative:	C. T. Dickerson	Monsanto
Awards:	J. F. Ahrens	Conn. Agr. Expt. Sta.



1971-1972 Executive Committee

L to R:

W.B. Duke, R. Hansen, T.R. Flanagan, C.T. Dickerson, Jr., A. Bing,  
G.H. Bayer, J.C. Cialone, V.H. Unger, H.P. Wilson, J.F. Ahrens.

(Photo from G. H. Bayer)

### General Session

Outgoing President J.F. Ahrens spoke on weed science and the environment. The basic causes of environmental degradation are population increases plus losses of farmland to housing, commerce, and industry. More educational efforts are needed with the general public and legislators.

J.C. Cialone and others explained the current status of electronic data processing and urged weed scientists to become knowledgeable now, while the system was in its infancy.

Rachel Snyder emphasized that the huge educational gap which exists between farmers and home owners in the proper use of herbicides needs to be corrected.

Representatives of Bartlett Tree Experts pointed out that an enormous negative campaign against chemical control of brush was being carried out by "environmentalists" who, either in ignorance or deliberately, are not presenting facts.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	19	Application equipment	12
Aquatics	4	Application techniques	0
Ornamentals	5	Environment	5
Fruit and Vegetables	25	Formulations	8
Ind., Forestry, Cons.	*15	Growth regulators	4
Public Health	*2	Herbicide activity	39
Turf	11	Herbicide combinations	5
Ecology, Phys., Soils	10	Physiology	7
		Research methods	3
		Soils	3
		Tillage and control systems	7
		Weed biology, ecology	5

\*Also panel discussion on regulatory concerns.

### Awards

#### Award of Merit

Gilbert H. Ahlgren	Rutgers University
Homer Neville	L.I. Agric. and Tech. Institute
Claude E. Phillips	Univ. of Delaware
S.M. Raleigh	Penn. State Univ.

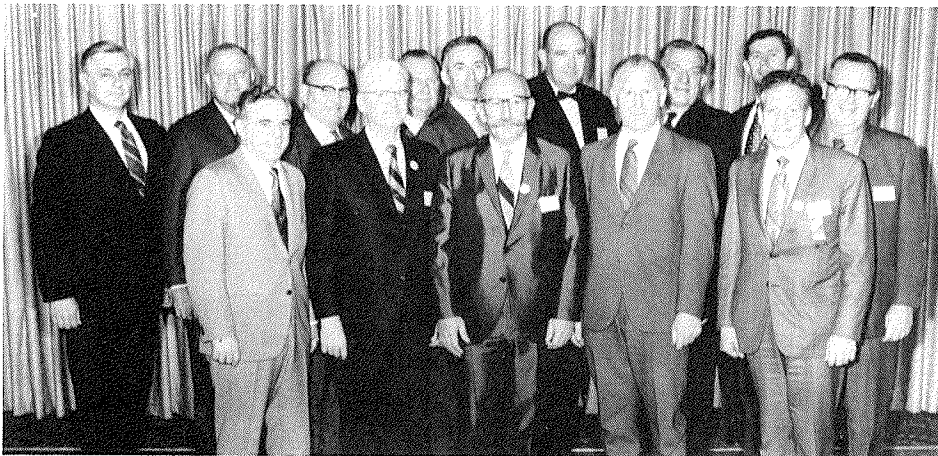
## Outstanding papers

D.A. Broadward, J.C. Cialone  
H.P. Wilson, R.L. Waterfield,  
C.P. Savage, Jr.,

Rutgers Univ.  
V.P.I.

## Comments:

J.C. Cialone gave a paper on electronic recording and processing of field data. A first.



## Past Presidents

From, L to R:  
A.J. Tafuro 63-64  
L.L. Danielson 56-57  
J. Gallagher 67-68  
S.N. Fertig 58-59  
H. LeBaron 67-70

\*deceased

(1971 Photo from H. LeBaron)

Back, L to Right  
R.D. Ilnicki 66-67  
\*R.H. Beatty 53-54  
S.M. Raleigh 51-52  
J. VanGeluwe 55-56  
R.A. Peters 64-65  
J.A. Meade 68-69  
\*E.M. Rahn 60-61  
J.F. Ahrens 70-71  
R.D. Sweet 49-50

## 1972 - 1973

January 5, 6, 7, 1972  
Number Registered: 418

Hotel Commodore, New York City  
Sustaining Members: 74

### Executive Committee

President:	A. Bing	Cornell University
Vice President:	R. Hansen	Hercules, Inc.
Secretary-Treasurer:	H. P. Wilson	V.P.I.
Program:	E. Cowett	CIBA-Geigy Corp.
Research coordinating:	D. N. Riemer	Rutgers University
Sustaining membership:	A. H. Furrer	Amchem Products
Editorial:	J. C. Cialone	Tropic Greenhouses, Inc.
Public relations:	R. J. Marrese	Amer. Hoechst
Education:	W. J. Bennett	University of Mass.
Awards:	G. H. Bayer	Agway, Inc.
WSSA Representative:	W. B. Duke	Cornell University

### General Session

Outgoing President George Bayer outlined past achievements but emphasized that we needed to make changes if we were to continue to be successful. He re-emphasized that our basic purpose was the rapid exchange of information, and that members were welcome regardless of their affiliation - they just need to have an interest in weeds. He then asked the audience to consider the following: How many members are optimum? Are we recruiting from all potential sources? Are our programs and sections organized most advantageously? Can we do a better job of standardizing the methods of reporting data? How can we improve our "P.R."?

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	8	Application equipment	1
Agron. Forages	7	Application techniques	14
Corn and Sweet Corn	9	Formulations	6
Agron. & Hort. Ext.	Panel	Growth regulators	5
Hort. General	7	Herbicide activity	3
Ind., Forestry, Conser.	**	Herbicide combinations	11
Hort. Potatoes	11	Physiology	16
Turf	9	Ecology, phys.	19
Research methods	3	Soils	7
		Tillage and control systems	2
**4 papers plus panel discussion		Weed biology, ecology	1
		Weed-crop competition	1
		Regulatory	2

AwardsOutstanding Papers

M.E. Pierce  
D. Alessandrello  
A.R. Templeton and W. Hurtt

Vassar College  
Marist College  
Ft. Detrick

Award of Merit

Madeline E. Pierce  
Stuart Dunn  
Howard L. Yowell  
Collins Veatch  
Robert S. Bell  
Frank Newtonson  
Alfred Fletcher

Vassar College  
Univ. of New Hampshire  
Esso Laboratories  
West Virginia Univ.  
Univ. of Rhode Island  
Penna. Fruit Research Lab.  
N.J. State Dept. of Health

Comments:

Considerable discussion took place at the business meeting regarding research summaries, which had suffered a sharp drop in number of reports received. Also the new report "Responses of Crops and Weeds to New Herbicides", fails to meet all the needs. Perhaps the two should be combined.

## 1973 - 1974

January 9, 10, 11, 1974  
Number Registered: 442

Hotel Commodore, New York City  
Sustaining Members: 49

### Executive Committee

President:	R. Hansen	Hercules, Inc.
Vice President:	W. A. Gentner	USDA-ARS
Secretary-Treasurer	J. V. Parochetti	University of Maryland
Program:	A. H. Furrer	Amchem Products
Research coordinating:	R. A. Ashley	University of Connecticut
Sustaining membership:	C. D. Christiansen	Ely Lilly, Inc.
Editorial	C. E. Beste	University of Maryland
Public relations:	L. Hiddleston	CIBA-Geigy Corp.
Awards:	A. Bing	Cornell University
WSSA Representative:	W. B. Duke	Cornell University

### General Session

Outgoing President Bing emphasized the needs and problems involved in obtaining labels for useful herbicides. Two speakers explained the IR-4 program. It could be helpful for minor crops, but requires cooperation from growers, Universities and Industry. Two speakers gave their views as to past and future rolls of Universities and companies in the various aspects of weed science.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic crops	19	Application techniques	1
Aquatics	6	Formulations	4
Brush and noncrop	2	Growth regulators	2
Ecology, Phys., Soils	14	Herbicide activity	14
Vegetables and Fruit	24	Herbicide combinations	5
Ornamentals	5	Physiology	5
Turf	5	Research methods	2
Public Health	7	Tillage and control systems	2
		Weed biology, ecology	4
		Weed-crop competition	2

AwardsOutstanding papers

A.R. Templeton and W. Hurt  
F.E. Brockman, W.B. Duke, J.F. Hurtt

Ft. Detrick, MD  
Cornell University

Award of Merit

M. F. Trevett

Univ. of Maine

Comments:

In the general session "Integrated Controls" were mentioned specifically for minor crops. An early "IPM" comment.

At the business meeting there was a heated debate regarding the selection of the nominating committee. The membership felt that the past process tended to favor "the good old boys". A new system was adopted. Three of the 5 members were to be nominated from the floor at the business meeting and only 2 were to be "ex-officio".

## 1974 - 1975

January 8, 9, 10, 1974  
Number Registered: 353

Holiday Inn, Philadelphia  
Sustaining Members: 63

### Executive Committee

President:	W. A. Gentner	USDA-ARS
President Elect:	H. P. Wilson	V.P.I.
Secretary-Treasurer:	J. V. Parochetti	University of Maryland
Program:	D. B. Carlson	Nor-Am Agr. Products
Research Coord.	J. O. Pearson	BASF-WYANDOTTE Corp.
Sustaining membership:	W. V. Welker	ARS-USDA Rutgers
Editorial:	C. E. Beste	University of Maryland
Public relations:	L. Hiddleston	CIBA-Geigy Corp.
WSSA Representative:	W. Donnelly*	Monsanto

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\* Replaced by R. A. Ashley University of Connecticut in September.

### General Session

Outgoing President Hansen emphasized the economic benefits from modern weed science. It is a key factor in keeping costs competitive for our 4 major crops, of which about 50% are exported. Weed science contributes significantly to our food supply and in conserving fuel.

A workshop on yellow nutsedge was led by six persons. The audience was large and interacted spiritedly with the leaders. It concluded that although many facts were known, there was no proven management system for nutsedge in the northeast.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic crops	20	Application techniques	1
Aquatics	2	Formulations	6
Ecology, Phys., Soils	10	Growth regulators	16
Fruit and Vegetables	35	Herbicide activity	25
Ornamentals	8	Herbicide combinations	4
Ind., Forestry, Cons.	14	Physiology	5
Turf	4	Research methods	1
		Tillage and control systems	7
		Weed-crop competition	1



AwardsOutstanding papers

Otis F. Curtis, Jr.  
Richard G. Henne

Agr. Expt. Station, Geneva, NY  
Campbell Inst. of Ag. Res., Clayton, Del.

Award of Merit

Robert Beatty  
Arthur Hawkins

Amchem, Ambler, PA  
Univ. of Connecticut

Comments:

The publication "Response of Crops and Weeds to "Herbicides" did not seem to have much support from the membership.

The hotel received serious criticism regarding rooms, and attitude of the staff. Also thievery occurred from cars in the hotel garage -- and they held the keys!

## 1975 - 1976

January 7, 8, 9, 1975  
Number Registered: 342

Americana Hotel, New York City  
Sustaining Members: 67

### Executive Committee

President:	H. P. Wilson	V.P.I.
Vice President:	R. J. Marrese	American Hoechst
Secretary-Treasurer:	J. V. Parochetti	University of Maryland
Program:	M. G. Schnappinger	CIBA-Geigy Corp.
Research coordinating:	R. A. Ashley	University of Conn.
Sustaining membership:	C. D. Christensen	Ely Lilly
Editorial:	C. E. Beste	University of Maryland
Public relations:	D. B. Carlson	NOR-AM Products
WSSA Representative:	Wm. V. Welker	ARS-USDA Rutgers
Awards:	W. A. Gentner	ARS-USDA

### General Session

There is no record of remarks by outgoing President W.A. Gentner. Memory indicates he was on assignment in South America.

A workshop on control of Fall Panicum included six discussion leaders. The conclusions were that fairly effective chemicals were available for both agronomic and vegetable crops however, directions for use need fine-tuning.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomic Crops	29	Application techniques	1
Aquatics	5	Formulations	6
Ecology, Phys., Soils	9	Growth regulators	16
Growth Regulators	11	Herbicide activity	25
Fruit and Vegetables	29	Herbicide combinations	4
Ind., Forestry, Conser.	8	Physiology	5
Turf	11	Research methods	1
		Tillage and control systems	7
		Weed biology, ecology	3
		Weed-crop competition	2

AwardsOutstanding papers

J.V. Parochetti

University of Maryland

Honorable mentionR.M. Devlin and S.J. Karczkmarczyk  
E.K. Stilwell and R.D. SweetUniversity of Mass.  
Cornell UniversityComment:

This proceedings was dedicated to E.M. Rahn (1913-72).

## 1976 - 1977

January 6, 7, 8, 1976  
Number registered 261

Statler Hilton, Boston, Mass.  
Sustaining Members: 62

### Executive Committee

President:	R. Marrese	American Hoechst
Vice President:	C.E. Beste	University of Maryland
Secretary-Treasurer:	J.V. Parochetti	University of Maryland
Program:	R.R. Hahn	Cornell University
Research Coordinator:	S.W. Pruss	CIBA-Geigy Corp.
Sustaining Membership:	H.M. Fisher	Monsanto
Public Relations:	J.B. Dobson	American Cyanamid
Editorial:	R.B. Taylorson	USDA-ARS
Awards:	H.P. Wilson	V.P.I.

### General Session

Outgoing President H.P. Wilson praised Weed Science as well as NEWSS. He complimented the members on their active participation but was disturbed about our loss in numbers. Not only companies, but also Universities are decreasing the number of employees. Furthermore the only significant new money coming into the picture was being put into regulatory aspects.

Dr. W.L. Shaw, USDA, reviewed weed science accomplishments, not only directly with herbicides but also with closely related areas such as tillage, weed biology, biological controls, and weed losses.

In a general symposium the dinotro aniline herbicides were reviewed in depth. S.J. Parka discussed modes of action; C.S. Helling described chemical and physical properties; J.F. Ellis and J.A. Norton explained the various factors which influenced biological activity.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	22	Application techniques	6
Aquatics	2	Environment	1
Ecology, Phys., Soils	10	Formulation	2
Growth regulators	7	Growth regulators	11
Vegetables and Fruit	26	Herbicide activity	39
Ind., Forestry, Cons.	5	Herbicide combinations	11
Ornamentals	9	Physiology	7
Turf	15	Research methods	2
		Tillage systems	8
		Weed biology	7
		Weed competition	2

AwardsBest Paper

A.L. Fales, A.P. Nielson, R.C. Wakefield      Univ. of Rhode Island

Honorable Mention Paper

P.J. Jaeremia (O.M. Scott Co.), P.R. Henderson (Ohio State Univ.),  
L.L. Danielson (U.S.D.A. Beltsville)

Award of Merit

Herbert Pass	CIBA-Geigy Corp., Toronto, Canada
C.E. Langer	Univ. of New Hampshire
C.E. Minarik	Ft. Detrick, MD

Comments:

The proceedings were dedicated to Wm. F. Donnelley of Monsanto who died at the age of 40.

## 1977 - 1978

January 4, 5, 6, 1977  
Number registered 347

Hilton Hotel, Baltimore, MD.  
Sustaining Members: 62

### Executive Committee

President:	C.E. Beste	University of Maryland
President Elect:	J.D. Riggleman	DuPont
Secretary-Treasurer:	J.V. Parochetti	University of Maryland
Secretary-Treasurer Elect:	R.R. Hahn	Cornell University
Program:	J.A. Grande	American Hoechst
Sustaining Membership:	H.M. Fisher	Monsanto
Research Coordinator:	H.J. Murphy	University of Maine
Public Relations:	J.B. Roy	Railroad Weed Control
WSSA Representative:	W. V. Welker	USDA-ARS Rutgers
Awards:	R.J. Marrese	American Hoechst



### 1977-78 Executive Committee

Seated: M.J. Marrese, R.R. Hahn, J.D. Riggleman, C.E. Beste  
Back: H.M. Fischer, J. Grande, J.V. Parochetti, R.B. Taylorson,  
W.V. Welker, J.B. Roy

(Photo courtesy C.E. Beste)

### General Session

Outgoing President Marrese reviewed our purpose as a society and pointed out our major accomplishments. He believes the Northeast has originated many of the research and development ideas that have led to progress in Weed Science. We will need to continue this role if we are to be successful in the future.

J.D. Caulder of Monsanto gave a humorous account of where good intentions on the part of government and regulators actually resulted in ridiculous situations. He believes both industry and university people must be more active in educating school children and adults about agricultural technology.

J.R. Curtis of the Maryland Extension Service reminded his audience of the major role U.S. agriculture plays in feeding people in developing countries.

R.H. White-Stevens, American Cyanamid, summarized the roles of research, regulations, and registrations in the development of new chemistry. The latter two aspects have a negative effect as they become more restrictive.

### General Symposium

Five speakers explained the concept of IR-4 and its current functioning. It was apparent that the concept was very good but current functioning was not impressive.

### Section Programs

Three special workshops were held: weed control in modified tillage; soybean weed control; weed control in ornamentals.

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomy	26	Application equipment	1
Ecology, Phys., Soils	11	Application techniques	2
Growth Regulators	10	Formulations	4
Vegetables and Fruit	26	Growth regulators	9
Ind., Forestry, Cons.	8	Herbicide activity	33
Ornamentals	4	Herbicide combinations	6
Turf	8	Physiology	7
		Research methods	4
		Soils	4
		Tillage systems	8
		Weed-crop competition	1
		Weed Biology	2

## Awards

### Outstanding Papers

E.H. Nelson and R.A. Ashley      Univ. of Connecticut

### Honorable Mention

R.M. Devlin and S.J. Karczkmarczyk      Univ. of Mass.

L.J.K. Hall      Penn. State Univ.

### Award of Merit

L.L. Danielson      USDA, Beltsville, MD

Madeline Pierce      Vassar College, Poughkeepsie

J.H. Steen      U.S. Fish and Wildlife Service

Lawrence Southwick      Dow Chemical, Midland, Mich.



## 1978 - 1979

January 4, 5, 6, 1978  
Number registered: 382

Americana Hotel, NY City  
Sustaining Members: 62

### Executive Committee

President:	J.D. Riggleman	E.I. DuPont de Nemours
Vice President:	J.V. Parochetti	University of Maryland
Secretary-Treasurer:	R.R. Hahn	Cornell University
Program:	J.C. Graham	Monsanto
Research coordinator:	H.J. Murphy	University of Maine
Editorial:	R.B. Taylorson	USDA-ARS
Sustaining Membership:	S. Dennis	Stauffer Chemical co.
Public Relations:	J.B. Dewey	DuPont
Awards:	C.E. Beste	University of Maryland
WSSA Representative:	W.V. Welker	USDA-ARS

### General Session

Outgoing President C.E. Beste in reviewing NEWSS praised its accomplishments, particularly the new ideas which are soon adopted by other weed scientists. He encouraged more work on combinations, formulations and additives. He pointed out that the applicator certification program had helped agronomic users become much more aware of the risks to humans from herbicides. They had been inclined to view them as equivalent to fertilizer or lime.

### Other Invited Papers

Ellery Knake	The need for realism in regulations.
D.L. Cornell, et al.	The movement of atrazine from minimum-till cornfields to the Chesapeake Bay.
M.W. Schreiber	Controlled-release herbicides.
R.D. Houghton	Surfactants and adjuvants.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomy	25	Application equipment	1
Ecology, Phys., Soils	12	Application techniques	8
Growth Regulators	7	Formulations	7
Vegetables and fruit	37	Growth regulators	9
Ind., Forestry, Cons.	4	Herbicide activity	29
Ornamentals	10	Herbicide combinations	8
Turf	9	Physiology	9
Equipment and Application	6	Research methods	1
		Soils	2
		Tillage systems	6
		Weed competition	3
		Weed biology, ecology	9
		Regulation	1

### Awards

#### Best Papers

Jonas Vengris

University of Mass.

#### Honorable Mention

R.C. Henne

Campbell Institute for Agriculture Research,  
Napoleon, Ohio

#### Award of Merit

None

The committee is investigating the development of a "Distinguished Member" award.

#### Comments:

The society voted unanimously to join CAST, the Council for Agricultural Science and Technology.

## 1979 - 1980

January 3, 4, 5, 1979  
Number registered 353

Boston Park Plaza, Boston, Mass.  
Sustaining Members: 51

### Executive Committee

President:	J.V. Parochetti	USDA-SEA Extension
Vice-President:	M.G. Schnappinger	CIBA-Geigy Corp.
Secretary- Treasurer:	R.R. Hahn	Cornell University
Program:	T.L. Watschke	Penn. State University
Research Coordinator:	D.B. Carlson	FMC Corp.
Sustaining membership:	S. Dennis	Stauffer Chemical Co.
Editorial:	R.B. Taylorson	USDA-SEA-ARS
Public Relations:	J.B. Dewey	DuPont
Awards:	J.D. Riggleman	DuPont
WSSA Representative:	D.L. Linscott	USDA-ARS Cornell University
*CAST Representative:	R.D. Sweet	Cornell University

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\*Not officially part of Executive Committee at this time.

### General Session

Outgoing President J.D. Riggleman gave his perspectives on the costs of regulation in getting a new herbicide to the marketplace. From 1956 to 1970 they increased 369%. An indirect but substantial cost is that the years of sales before loss of patent protection are decreased by delays in registration.

J.H. Good spoke on IPM and indicated it should be a positive development in calming the fears of those who believe all pesticides pose serious risks. He urges all weed scientists to adopt the principles of IPM as they carry out their jobs.

C.A.I. Goring of Dow reviewed the hazards and toxicity of 2,4-5-T and the contaminate, dioxin. He cited the data from the explosion in a dioxin plant in Italy. There massive exposure of humans caused only minor skin irritations.

A general symposium on label options was led by R.E. Althaus, R.R. Hahn, and M.G. Schnappinger. They gave definitions, state options, and company procedures.

A forest management workshop was led by five persons. Their topics included herbicide use and results, suppression of unwanted species rather than kill and compared injections vs aerial sprays for costs and effectiveness.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomy	28	Application equipment	6
Ecology, Phys., Soils	18	Application techniques	2
Equipment	5	Formulations	9
Vegetables and Fruit	20	Growth regulators	2
Ind., Forestry, Cons.	4	Herbicide activity	14
Ornamentals	13	Herbicide combinations	4
Turf	10	Physiology	5
Poster	6	Soils	1
		Tillage systems	7
		Weather	1
		Weed-crop competition	6
		Weed Biology, ecology	10

### Awards

#### Best Paper

John F. Ahrens	Conn. Agr. Experiment Station
R.C. Henne	Campbell Agric. Research Institute

#### Graduate Student Paper (New)

First Place	Bradley A. Majek	Cornell University
Second Place	Betty J. Hughes	Cornell University

#### Award of Merit

Jonas Vengris	Univ. of Massachusetts
Carl M. Monroe	Shell Chemical
Charles J. Noll	Penn. State University

#### Distinguished Member (New)

George H. Bayer	Agway, Inc.
Robert A. Peters	Univ. of Connecticut
Robert D. Sweet	Cornell University

## 1980 - 1981

January 8, 9, 10, 1980  
Number registered 382

Grossinger Hotel, Grossingers, NY  
Sustaining Members: 40

### Executive Committee

President:	M.G. Schnappinger	CIBA-Geigy Corp.
President Elect:	R.B. Taylorson	USDA-SEA-ARS
Vice-President:	S. Dennis	Stauffer Chemical
Secretary-Treasurer:	R.R. Hahn	Cornell University
Research Coordinator:	F. Langley, Jr.	Dow Chemical
Sustaining Membership:	J.C. Graham	Monsanto
Editorial:	C.B. Coffman	USDA-SEA-ARS
Public Relations:	D. Clayton	Lewis and Gilman,
Awards:	J.V. Parochetti	USDA-SEA-Extension
WSSA Representative:	D.L. Linscott	USDA-SEA, Cornell
*CAST Representative:	R.D. Sweet	Cornell University

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\*Not officially on Executive Committee at this time.

### General Session

Outgoing President J.V. Parochetti focused on the future and listed five areas of concern and hope.

1. Energy availability and costs
2. The role of EPA
3. IPM, both agricultural and urban
4. Pesticides in foods and in the environment
5. Research breakthroughs

Invited speakers addressed various aspects of the 2,4,5-T controversy. Studies on the West Coast, as well as an overblown incident in Maine were explained in detail. Poor research and poor investigations contributed to public concern. Regulatory procedures were faulted and the consequences of cancellation explained. Ron Arnold discussed five degrees and types of environmentalists which ranged from moderate to extreme. He asked members of the audience to pick the category in which they felt comfortable.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomy	32	Application equipment	1
Ecology, Phys., Soils	12	Application techniques	3
Vegetables and Fruit	42	Formulations	6
Ind., Forestry, Cons.	2	Growth regulators	3
Ornamentals	11	Herbicide activity	33
Turf	13	Herbicide combinations	11
Poster	5	Physiology	1
		Research methods	2
		Soils	2
		Tillage systems	12
		Weed-crop competition	4
		Weed biology	6
		Weather	3

### Awards

#### Best Paper

R.C. Henne and T.L. Paulson	Campbell Institute for Agricultural Research
J. Cardina and N.L. Hartwig	Penn. State University

#### Graduate Student Paper

John Cardi	Penn. State University
Timothy Malefytte	Cornell University

#### Award of Merit

O.F. Curtis Jr.	Agric. Expt. Sta., Geneva, NY
T.R. Flanagan	University of Vermont
O.E. Schubert	W. Virginia University

#### Distinguished Member

J. F. Ahrens	Conn. Agr. Expt. Sta. Windsor
J.E. Gallagher	Union Carbide Agr. Chemicals

#### Comment:

At the business meeting it was voted to encourage authors to use the English system rather than metric for papers in the proceedings. Both systems would be accepted.

## 1981 - 1982

January 6, 7, 8, 1981  
Number registered 401

Philadelphia Sheraton, Phil., PA  
Sustaining Members: 40

### Executive Committee

President:	R.B. Taylorson	USDA-SEA-AR
President-Elect:	S. Dennis	Stauffer Chemical
Vice-President:	T.L. Watschke	Penn. State Univ.
Secretary-Treasurer:	R.R. Hahn	Cornell University
Research Coordinator:	R.C. Henne	Campbell Soup Co.
Sustaining Membership:	B.H. Emerson	Union Carbide Agr.
Editorial:	C.B. Coffman	USDA-SEA-AR
Public Relations:	D. Clayton	Gibbs and Soell
Past President:	M.G. Schnappinger	CIBA-Geigy Corp.
WSSA Representative:	D.L. Linscott	USDA-SEA Cornell
*CAST Representative:	R.D. Sweet	Cornell University

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\*Not officially on Executive Committee at this time.

### General Session

Outgoing President M.G. Schnappinger stressed the great need for everyone in weed science to get involved with public relations in a constructive way. He cited the 2, 4, 5-T debate as well as the early work on the Chesapeake Bay problems as examples of where we could have made a difference.

The Keynote speaker, J.D. Early, presented material on the regulation of the agricultural industry. He criticized EPA for using too little of the scientific evidence as a basis for regulations. A second problem is over-zealous states trying to "out-regulate" the federal government. However, he concluded by citing examples of where reasonable discussions are being held regarding benefits and risks. He encouraged weed scientists to get involved.

A symposium on biological control of weeds was led by S.W. T. Barta and R.G. Enge, they reviewed the work under way with insects and plant pathogens and explained the elaborate procedures being followed to reduce the risks of "escapes" to as near zero as is possible.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects Investigated</u>	<u>No.</u>
Agronomy	39	Application equipment	1
Ecology, Phys., Soils	12	Application techniques	10
Vegetables and Fruit	42	Formulations	8
Ind., Forestry, Cons.	2	Growth regulators	3
Ornamentals	11	Herbicide combinations	12
Turf	13	Physiology	5
Poster	5	Research methods	1
		Herbicide activity	44
		Soils	0
		Tillage systems	7
		Weed-crop competition	6
		Weed biology	3
		Weather	0

### Awards

#### Outstanding Paper

R.C. Henne and T.L. Paulson	Campbell Inst. Agr. Res.
J.G. Jagschitz	Univ. of Rhode Island

#### Graduate Student Paper

A. Douglas Brede	Penn. State University
A.S. McCue	Cornell University

#### Award of Merit

D.L. Klingman	Weed Science Laboratory, Beltsville
H.J. Murphy	University of Maine
J. Van Geluwe	CIBA-Geigy Corp.

#### Distinguished Members

R.H. Beatty	Amchem Products
A. Bing	Cornell University
J.A. Meade	Rutgers University

#### Comments:

The 1981 Proceedings were dedicated to Associate Professor Allan Kates, V.P.I., who died of a heart attack suffered as he was leaving the 1980 meeting at Grossingers.



## 1982 - 1983

January 5, 6, 7, 1982  
 Number registered: 416

The Sheraton Centre, NY City  
 Sustaining Members: 41

Executive Committee

President:	S. Dennis	Stauffer Chemical co.
President-Elect:	T.L. Watschke	Penn. State Univ.
Vice-President:	J.C. Graham	Monsanto Agr. Product
Secretary-Treasurer:	R.R. Hahn	Cornell University
Past President:	R.B. Taylorson	USDA-ARS
Research Coordinator:	R.C. Henne	Campbell Soup Co.
Sustaining Membership:	B.H. Emerson*	Union Carbide Agr.
Editor:	C.B. Coffman	USDA-ARS
Public Relations:	C.A. Goulding	Gibbs and Soell
WSSA:	D.L. Linscott	Cornell University
CAST:	R.D. Sweet	Cornell University

\*deceased

General Session

Outgoing President R.B. Taylorson summarized aspects of weed seed biology and physiology which are basic to the nature and magnitude of the entire weed control situation. However, only a small amount of research effort is in this area and little success has been had to date in coping with dormancy and longevity of weed seeds.

The keynote address was given by Dr. M. Horowitz of Israel. He discussed the problems and development in weed control in those parts of Israel with a warm climate and intensive agriculture. He explained the beneficial effects of "solar sterilization" i.e., the placing of clear plastic on moist soil when temperatures are usually high and sunlight abundant. Not only certain weeds but also pathogens and nematodes are controlled.

Symposia

Two symposia were conducted: one considered herbicides and the environment, the other, herbicide resistant weeds.

The herbicide-environment program featured six speakers who covered topics ranging from water quality to mechanical and chemical drift as well as updates on the controversies regarding dioxin, and several woody plant herbicides such as phenoxies, picloram and triclopyr.

The herbicide-resistance program was led by five speakers, and concentrated on triazine resistance. They helped the audience to better understand the scope of the problem, the practices most likely to lead to resistance, the physiological and genetic mechanisms involved, and the reproductive potential of resistant biotypes.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	33	Application equipment	2
Ecology, Phys., Soils	15	Application techniques	12
Fruit and Vegetables	36	Formulations	8
Ind., Forestry, Cons.	15	Growth regulators	4
Ornamentals	13	Herbicide activity	48
Equipment	1	Herbicide combinations	5
Turf	12	Physiology	4
		Research Methods	4
		Tillage systems	5
		Weather	1
		Weed Crop competition	5
		Weed biology, Ecology	4

### Awards

#### Best Papers

P.C. Bhowmik	University of Mass.
J.S. Eban and J.A. Jagschitz	University of Rhode Island

#### Honorable mention

R.M. Devlin, et al.	University of Mass.
D.L. Regehr	University of Delaware

#### Graduate Student Award

A.S. McCue	Cornell University
T. Malefyt	Cornell University

#### Award of Merit

R.D. Shipman	Penn. State University
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#### Distinguished member award

W.A. Gentner	USDA-ARS
H.J. Murphy	University of Maine

#### Comments:

The Proceedings were dedicated to Prof. Claude E. Phillips (1901-1981) University of Delaware.

**1983 - 1984**

January 4, 5, 6, 1983

Grossinger Hotel and Country Club,  
Grossingers, NY

Number registered 409

Sustaining Members: 42

Executive Committee

President:	T.L. Watshcke	Penn. State Univ.
President Elect:	J.C. Graham	Monsanto Agr. Product
Vice-President:	R.R. Hahn	Cornell University
Secretary-Treasurer:	R.A. Ashley	Univ. of Connecticut
Past President:	S. Dennis	Stauffer Chemical Co.
Research Coordinator:	S.F. Gorske	Ohio State University
Sustaining Membership:	B.H. Emerson*	Union Carbide Corp.
	E. Higgins	CIBA-Geigy Corp.
Editorial:	C.B. Coffman	USDA-SEA-AR
WSSA Representative:	S.W. Pruss	CIBA-Geigy Corp.
CAST Representative:	R.D. Sweet	Cornell University
Graduate Student Rep.:	T.C. Harris	Univ. of Maryland

\*deceased

General Session

Outgoing President Stephen Dennis focused on media "chemophobia" stories which were triggered about 20 years ago by Silent Spring. The receptive audience seems to be the better educated affluent segments of our society.

The keynote address was shared by W.A. Wells of EPA and R.J. Otten of Union Carbide. They continued with the topic introduced by Dennis. Regulatory changes were described. Both speakers agreed that a basic stumbling block was that our capabilities to detect minute quantities of pesticides had increased enormously but our ability to interpret their significance had increased only moderately. As a consequence, the media can call residues biological "time - bombs".

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	31	Application equipment	5
Ecology,Phys.,Soils	16	Application techniques	15
Fruit and Vegetables	37	Growth regulators	2
Ind., Forestry, Cons.	11	Herbicide activity	48
Ornamentals	19	Herbicide combinations	12
Turf	13	Physiology	16
		Soils	2
		Tillage systems	2
		Weather	1
		Weed crop competition	5
		Weed biology, ecology	7
		Formulations	6

### Awards

#### Outstanding Papers

R.R. Bellinder, and H.P. Wilson	V.P.I.
R. Statler	St. Johns University

#### Award of Merit

Arthur Bing	Cornell University
W. E. Chappell	V.P.I.
B.E. Emerson	Union Carbide

#### Distinuished member

L.L. Danielson	USDA-ARS
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#### Graduate Student Presentation

A. Pennucci and J.A. Jagschitz.	Univ. Rhode Island
M.A. Ruizzo, E.M. Smith, S.F. Gorske	Ohio State University

#### Research Poster

R. Uniatowski and W.H. Mitchell	Univ. of Delaware
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#### Comments:

Plans for the first "Weed Meet" contest to be sponsored by the NEWSS were outlined at the business meeting. It will be held in August at Wye Institute with M.G. Schnappinger of CIBA-Geigy and B.A. Majek of Rutgers as Co-leaders.

## 1984 - 1985

January 4, 5, 6, 1984  
Number registered: 424

Hyatt Regency, Baltimore  
Sustaining Members: 44

### Executive Committee

President:	J.C. Graham	Monsanto Agr. Products
President Elect:	R.R. Hahn	Cornell University
Vice President:	E.R. Higgins	CIBA-Geigy Corp.
Secretary-Treasurer:	R.A. Ashley	Univ. of Connecticut
Past President:	T.L. Watschke	Penn. State Univ.
Research Coordinator:	S.F. Gorske	Ohio University
Editor:	C.B. Coffman	USDA-ARS
Public Relations:	W.D. Crosson	Monsanto Agr. Products
WSSA Representative:	S.W. Pruss	CIBA-Geigy Corp.
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	D.L. Little	Rutgers University

### General Session

W.A. Cawley of the Maryland Department of Agriculture welcomed the group.

Outgoing President T.L. Watschke commented on NEWSS past, present, and future with emphasis on the past. He was very complimentary of the society's accomplishments and felt it had a bright future.

The keynote speaker, Herbert Cole, Jr. discussed non-chemical weed control methods and techniques, as well as more conventional ones for rights-of-way and other non-agricultural uses. He believes that public opinion has changed from "all pesticides are bad" to "some pesticides are probably necessary in food production". However, herbicide uses for non-agricultural uses are under very close scrutiny and users were urged to operate "very gently" so that harmful environmental effects are brought to as near zero as is possible.

A symposium on Weed management in IPM programs was led by three specialists. Ford Baldwin outlined Arkansas experiences. Harold Coble reviewed recent advances and directions in IPM programs; Richard A. Schwartzbeck presented several specific suggestions useful for promoting the adoption of IPM concepts and programs. There was excellent attendance and audience participation. Everyone agreed IPM in weed control had not been adopted by all segments of agricultural production, research, extension and suppliers.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	29	Application equipment	2
Ecology, Phys., Soils	14	Application techniques	9
Equipment	2	Growth regulators	10
Fruits and Vegetables	33	Herbicide activity	65
Industrial, Forestry, Cons.	11	Herbicide combinations	9
Growth regulators	8	Physiology	15
Ornamentals	17	Research methods	3
Turf	15	Soils	4
Poster	14	Tillage, management	11
		Weather	1
		Weed-crop competition	6
		Weed biology, ecology	4
		Formulations	6

### Awards

#### Best Paper

J. Teasdale	USDA-ARS
R.R. Bellinder, T.E. Hines, H.P. Wilson	V.P.I.

#### Outstanding Graduate Student Presentation

R.S. Peregory	University of Maryland
R.E. Gregorio	University of Connecticut

#### Research Poster

R.R. Bellinder, T.E. Hines, H.P. Wilson	V.P.I.
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#### Award of Merit

W.H. Mitchell	University of Delaware
R.S. Young	W. Virginia University

#### Distinguished Member

B.H. Emerson	Union Carbide
Henry P. Wilson	V.P.I.

#### Collegiate Weed Contest 1983, WYE Research Center, Maryland

Graduate Team		Univ. of Guelph
Undergraduate Team		Penn. State Univ.
Graduate Individual	Mike Donnelly	Univ. of Guelph
Undergraduate Individual	Bob Annet	Univ. of Guelph

#### Comment:

The first "weed meet" was held in August 1983 at Wye Institute and was described as highly successful.

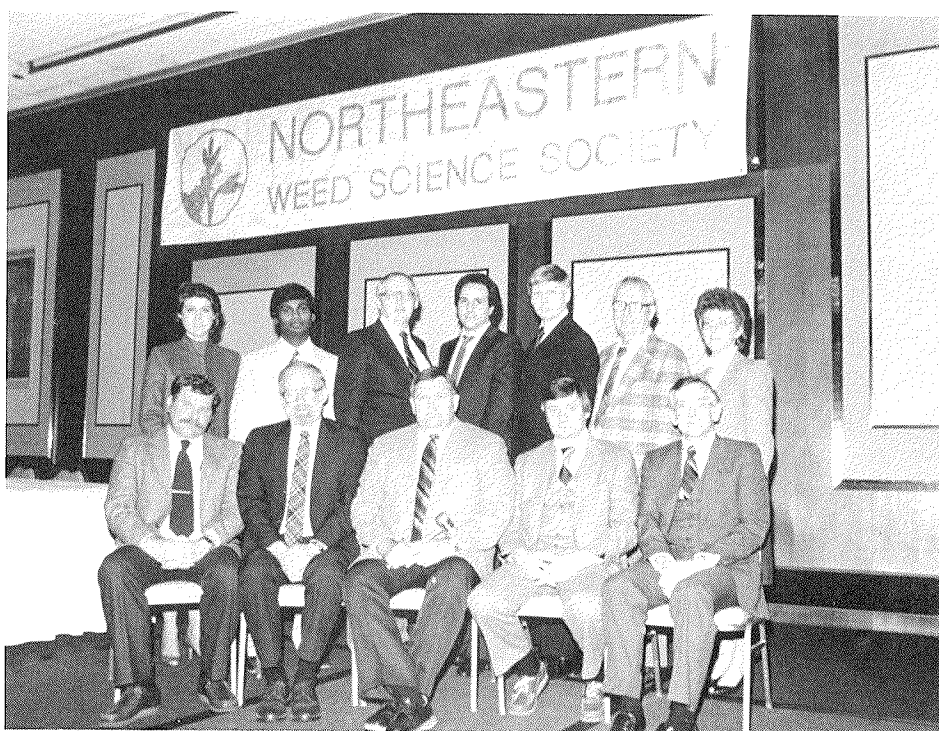
## 1985 - 1986

January 9, 10, 11, 1985  
Number registered: 456

Bally's Park Place, Atlantic City, N.J.  
Sustaining Members: 47

### Executive Committee

President:	R.R. Hahn	Cornell University
President Elect:	E.R. Higgins	CIBA-Geigy Corp.
Vice President:	M.L. McCormack, Jr.	University of Maine
Secretary-Treasurer:	R.A. Ashley	Univ. of Connecticut
Past President:	T.L. Watschke	Penn. State Univ.
Research Coordinator:	P.C. Bhowmik	University of Mass.
Sustaining Membership:	W.J. Sciarappa	BASF
Editor:	B.H. Marose	Univ. of Maryland
Public Relations:	W.D. Crosson	Monsanto Agr. Products
Awards:	J.C. Graham	Monsanto Agr. Products
WSSA Representative:	S.W. Pruss	CIBA-Geigy Corp.
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	F.J. Himmelstein	University of Mass.



1985-86 Executive Committee

Seated, L to R: R.A. Ashley, M.L. McCormack, Jr., R.R. Hahn, E.R. Higgins, J.C. Graham  
Standing, L to R: D.L. Little, P.C. Bhowmik, S.W. Pruss, W.J. Sciarappa, W. Crosson, R.D. Sweet, B.H. Marose

(Photo from S.W. Pruss)

### General Session

Outgoing President J.C. Graham challenged all members to work at making NEWSS an even better organization. A great need is for more personal involvement by individuals in society and business activities.

Two keynote speakers discussed the future of weed science. G. A. Buchanan gave an academic perspective. He reminded the group that there were about 250 weed scientists in the public sector in the 60's, about 300 in the 70's, but the number dropped to 264 in 1984. He offered several suggestions as to how individuals could help enhance the support for weed science as a discipline.

W.D. Carpenter discussed the future of weed science from an industry perspective. He highlighted issues and problems being faced, and offered suggestions for their resolution. The key was to have a strong cooperative effort between the public and private sections as has been true for those in NEWSS since its inception.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	39	Application equipment	6
Ecology, Phys., Soils	16	Application techniques	12
Fruits and Vegetables	34	Formulations	5
Ind., Forestry, Cons.	9	Growth regulators	5
Growth regulators	8	Herbicide activity	40
Ornamentals	10	Herbicide combinations	6
Turf	12	Physiology	14
Poster	14	Soils	2
		Tillage, management	8
		Weather	1
		Weed-crop competition	3
		Weed biology, ecology	5

### Awards

<u>Best paper</u>	B.A. Majek	Rutgers University
<u>Research Poster</u>	N.L. Hartig	Penn. State University

No awards of Merit or Distinguished Member

"Weed Meet" 1984, Rutgers Res. and Dev. Center, Bridgeton, New Jersey

<u>Graduate Team</u>		University of Guelph
<u>Undergraduate - individual</u>	D. Wright	University of Guelph
<u>Graduate - individual</u>	N. Harker	University of Guelph



**1986 - 1987**

January 7, 8, 9, 1986  
Number registered 449

Sheraton Hotel and Towers, Boston, Mass.  
Sustaining Members: 55

Executive Committee

President:	E.R. Higgins	CIBA-Geigy Corp.
President Elect:	M.L. McCormack, Jr.	University of Maine
Vice President:	R.R. Johnson	R.J. Services
Secretary-Treasurer:	R.A. Ashley	Univ. of Connecticut
Past President:	R.R. Hahn	Cornell University
Research Coordinator:	P.C. Bhowmik	University of Mass.
Sustaining Membership:	S.E. Crane	Rohm and Haas
Editor:	B.H. Marose	Univ. of Maryland
Public Relations:	W.D. Crosson	Monsanto Agr. Products
WSSA Representative:	S.W. Pruss	CIBA-Geigy Corp.
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	F.J. Himmelstein	University of Mass.

General Session

The keynote subject was CAST. W.W. Marion spoke on CAST programs and objectives. Cecil Howes described his activities on the Washington scene.

Outgoing President R.R. Hahn gave more detail on the CAST organizational structure. He briefly described the bad press CAST had received because it obtained so much of its support from agri-business. The board of directors however only come from member societies and individual members. He challenged the membership to become even more active in NEWSS and in CAST.

Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	45	Application techniques	14
Ecology, Phys., Soils	15	Conservation, ecology	2
Growth Regulators	9	Growth regulators	6
Fruit and Vegetables	29	Herbicide activity	45
Industrial, Forestry, Cons.	16	Herbicide combinations	9
Ornamentals	7	Physiology	9
Turf	13	Soils	3
Posters	11	Tillage systems	9
		Weather	3
		Weed-crop competition	5
		Weed biology-ecology	5
		Formulations	6

## Awards

### Best Paper

R. J. Cooper and K. J. Kanak	University of Mass.
P. R. Henderborg and J. R. Street	Ohio State University
P. D'Amieri	V.P.I. and S. U.
M. L. McCormack, Jr.,	University of Maine
D. M. Leslie	Oklahoma State Univ.

### Honorable Mention

D. P. Kain, J. B. Sieczka, and R. D. Sweet	Cornell University
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There were no awards of merit or for distinguished member.

### Graduate Student Presentations

First place	
Elizabeth Hirsh	Univ. of Maryland
Tied for second place	
R. E. DeGregorio	Univ. of Connecticut
A. V. Teitz	Ohio State University

### Research Poster

S. Gorski	Ohio State University
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### Third Annual Northeastern Collegiate Weed Science Contest 1985\*, Rohm and Haas, Spring House, Pennsylvania

#### Teams

University of Maryland

#### Individuals - graduate

David Vitolo	Rutgers University
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#### Individuals - undergraduate

Finlay Buchanan	University of Guelph
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\*formerly "The Weed Meet"

## 1987-1988

January 6, 7, 8, 1987

Colonial Williamsburg Lodge  
Williamsburg, VA

Number registered 367

Sustaining Members: 54

### Executive Committee

President:	M.L. McCormack, Jr.	University of Maine
President Elect:	R.R. Johnson	R.J. Services
Vice President:	S.F. Gorski	Ohio State University
Secretary-Treasurer:	R.A. Ashley	Univ. of Connecticut
Secretary-Treas. Elect:	B.A. Majek	Rutgers University
Research Coordinator:	P.C. Bhowmik	University of Mass.
Sustaining Membership:	S.E. Crane	Rohm and Haas
Editor:	B.H. Marose	Univ. of Maryland
Public Relations:	W.D. Crosson	Monsanto Agr. Products
Awards:	E.R. Higgins	CIBA-Geigy Corp.
WSSA Representative:	W.G. Wright	Dow Chemicals
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	F.J. Himmelstein	University of Mass.

### General Session

In his address, outgoing president Edward Higgins gave his views on significant changes taking place in weed control technology. He elaborated on six:

1. Lower rates of herbicides
2. Greater selectivity of herbicides
3. Changing application techniques
4. Developing strategies to prevent and to control resistant weed species
5. Development of integrated control programs
6. Greater emphasis on conservation tillage

In his view these changes are being brought about at least in part by our desire to develop programs that are safe to man and the environment.

The keynote speaker was B. A. Schneider of EPA, who presented the agencies views on future product performance data to be required for registration. At the core of the problem is the lack of data showing the benefits from using a particular herbicide vs an existing one vs none. He indicated a minimum of 3 years testing under field conditions at the same location, and with 5 to 6 locations in the major production regions, are likely to be required for major crops. For minor crops, grouping will be necessary. The key to successful development of a workable system will be better interfacing with USDA, grower groups, professors, and scientific societies.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	36	Application equipment	3
Ecology, Phys., soils	18	Application techniques	11
Fruit and Vegetables	26	Growth regulators	1
Industrial, Forestry, Cons.	17	Herbicide activity	45
Ornamentals	12	Physiology	13
Turf/Plant growth Reg.	22	Research methods	2
Poster	14	Soils	5
		Tillage systems	9
		Weather	4
		Weed-crop competition	11
		Weed biology-ecology	4
		Formulations	6

### Awards

#### Best Paper Award

None given. The committee judged the papers did not meet high competitive standards.

#### Distinguished member

G. D. Hill

Wm V. Welker

E.I. DuPont de Nemours

USDA-ARS, Kearneysville, W.Va.

#### Innovator of the Year

Wm V. Welker

USDA-ARS, Kearneysville, W.Va.

#### Graduate Student Presentations

1st R. W. Wallace

Cornell University

2nd - Two awards

D. E. Edwards

F. J. Himmelstein

Penn. State University

University of Massachusetts

The 1986 Collegiate Weed Science Contest, FMC, Princeton, New JerseyUndergraduate Team

University of Guleph

Graduate Individual

R. Jain

V.P.I. &amp; SU

Undergraduate Individual

Bill Litwin

University of Guleph

Poster

M.A. Kaps and L.J. Kuhns

Penn. State University

Comments:

The Executive Committee noted the relatively poor attendance at the general session. In part this may have been due to the somewhat lower number of registrants. Also, the weather was spring-like and certainly some people decided they would enjoy it and read the speeches at a later time. However, some committee members wondered if there was a basic problem with the general session.

## 1988 - 1989

January 6, 7, 8, 1988  
Number registered 288

Sheraton Hartford Hotel, Hartford, Conn.  
Sustaining Members: 38

### Executive Committee

President:	R.R. Johnson	R.J. Services
President Elect:	S.F. Gorski	Ohio State University
Vice President:	J.B. Dobson	American Cynamind Co.
Secretary-Treasurer :	B.A. Majek	Rutgers University
Past President:	M.L. McCormack, Jr.	University of Maine
Research Coordinator:	T.E. Vrabel	Rhone-Poulenc Ag. Co.
Sustaining Membership:	M.G. Schnappinger	CIBA-Geigy Corp.
Editor:	B.H. Marose	Univ. of Maryland
Public Relations:	G.L. Hamlin	Dow Chemical
WSSA Representative:	W.G. Wright	Dow Chemical
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	R.W. Wallace	Cornell University

### General Session

Outgoing President McCormack, Jr. reviewed the progress of NEWSS, particularly as it has performed in relation to the trends and needs which have been summarized by many presidents when they addressed the society. He emphasized the continuing need for getting more facts before legislative bodies as they go about their business. While CAST can help, we can also do our share. We need to differentiate between lobbying and informing legislators. Without facts, the legislative process becomes reasonable only by chance.

The keynote address was given by A. L. Young, Director, Office of Agricultural Biotechnology, USDA who gave his views on scientific challenges and federal funding for weed science. While in the past federal funding has been meager, he announced a new initiative promoted by USDA, Dept. of Energy and NSF which will fund significant increases in competitive grants for which weed scientists, and plant scientists generally, will be encouraged to apply. He believes this new program will supply strong, multi-year support for basic plant science.

A symposium on groundwater quality featured speakers who gave perspectives on regulations, nature of vulnerability, and pesticide labelling. Attendance was high and discussion lively.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	26	Application techniques	12
Ecology, Phys., Soils	18	Formulations	6
Industrial, Forestry, Cons.	28	Growth regulators	5
Ornamentals	8	Herbicide activity	42
Turf/Plant Growth Reg.	26	Herbicide combinations	3
Vegetables and Fruit	24	Physiology	18
Poster	17	Regulatory	1
		Research methods	6
		Tillage/control systems	10
		Soils	2
		Weather	4
		Weed-crop Competition	8
		Weed biology-ecology	2

### Awards

#### Best Paper

First place was awarded for a cooperative research effort involving BASF and researches in Maine, Connecticut, and Cornell.

G. A. Porter and L. S. Morrow	University of Maine
R. A. Ashley	Univ. of Connecticut
R. R. Bellinder, and D. T. Warholc	Cornell University
M. P. Mascianica	BASF, New Jersey

Second place was shared by:

C. T. Smith	Univ. of New Hampshire
M. L. McCormack, Jr.	University of Maine
and	
R.D. Hipman and P.J. Prunty	Penn State University

#### Outstanding Graduate Student Presentation

1st	W.K. Vencil, H. P. Wilson, T.E. Hines	V.P.I. & SU
2nd	L.M. Walker, H.P. Wilson, E.S. Hagood	V.P.I. & SU

#### Best Poster

W. V. Welker and D. M. Glenn USDA, Kearneysville, W. Va.

Award of Merit

J. L. Pearson

University of Rhode Island

Distinguished member

W. R. Mullison

Consultant, Agric. Products, Dow  
Chemical

J. V. Parochetti

Principle Weed Scientist, C.S.R.S.,  
USDA-ARSCollegiate Weed Science Contest 1987, duPont, Newark, DelawareGraduate Team

University of Guleph

Undergraduate Team

University of Guleph

Graduate Individual

Lewis Walker

V.P.I. &amp; SU

Undergraduate Individual

Allan Eadie

University of Guleph



## 1989 -1990

January 4, 5, 6, 1989  
Number registered: 414

Stouffer Harborplace Hotel, Baltimore, MD  
Sustaining Members: 38

### Executive Committee

President:	S.F. Gorski	Ohio State University
President Elect:	J.B. Dobson	American Cynamind Co.
Vice President:	P.C. Bhowmik	University of Mass.
Secretary-Treasurer:	B.A. Majek	Rutgers University
Research Coordinator:	T.E. Vrabel	Rhone-Poulenc Ag. Co.
Sustaining Membership:	M.G. Schnappinger	CIBA-Geigy Corp.
Editor:	R.R. Bellinder	Cornell University
Public Relations:	G.L. Jordan	ACDS Inc.
Awards:	R.R. Johnson	R.J. Services
WSSA Representative:	W.G. Wright	Dow Chemicals
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	R.W. Wallace	Cornell University

### General Session

Outgoing President Roy K. Johnson spoke on "Good Science" and "good communication". He complimented NEWSS for its many contributions to good science and called attention to the impressive list of "Best Papers" awards made since 1954. In the area of communication, our record is not quite as good. For example, good science was not enough to keep the useful herbicide 2,4,5-T on the market. Nor have scientists been able to translate into more readily understood every day public language, some our jargon such as, parts per million, billion or trillion. Similarly such words as "significance" and "probability" do not mean much to the public. At the same time a few NEWSS scientists have communicated their findings well. He mentioned the right-of-way work in Pennsylvania, the forestry program in Maine and the no-till herbicide studies in Virginia.

Michael Heller discussed the research program and principal findings to date of the Chesapeake Bay Foundation which is concerned with the impacts of agriculture on the "health" of the Bay. He was a strong advocate for low chemical inputs.

Dixon D. Hubbard of the Extension Service, USDA, presented the Low Input Sustainable Agriculture (LISA) concept. He indicated the concept embraces five critical issues identified by Extension.

1. Competitiveness and Profitability
2. Alternative Agricultural Opportunities
3. Water Quality

4. Conservation and Management of Natural Resources
5. Nutrition, Diet, and Health

Symposium on new technologies for weed science. Four speakers discussed various aspects of plant pathogens and their toxins for controlling weeds. One speaker explained how genetic manipulation could lead to herbicide resistant crops.

#### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subject investigated</u>	<u>No.</u>
Agronomy	28	Application techniques	8
Ecology, Phys., Soils	10	Growth regulators	16
Ind., Forestry, Cons.	6	Herbicide activity	30
Turf, growth reg., ornal.	47	Herbicide combinations	5
Vegetables and fruit	25	Physiology	8
Poster	16	Regulatory	2
		Research methods	2
		Sales	1
		Tillage and control sys.	22
		Weed-crop competition	1
		Weed ecology & biology	3

#### Awards

##### Award of Merit

Robert A. Peters

Univ. of Connecticut

Distinguished Member -- None awarded

Outstanding paper -- None awarded

##### Outstanding Graduate Student Presentation

(Tied for first place)

Frank Rossi

Cornell University

Amy E. Stowe

Cornell University

##### Research Poster

H.P. Wilson and T.E. Hines

V.P.I. and S.U.

Collegiate Weed Science Contest 1988, CIBA-Geigy Corp., Hudson, New York

Graduate Team

V.P.I. & SU

Undergraduate Team

University of Guleph

Graduate Individual

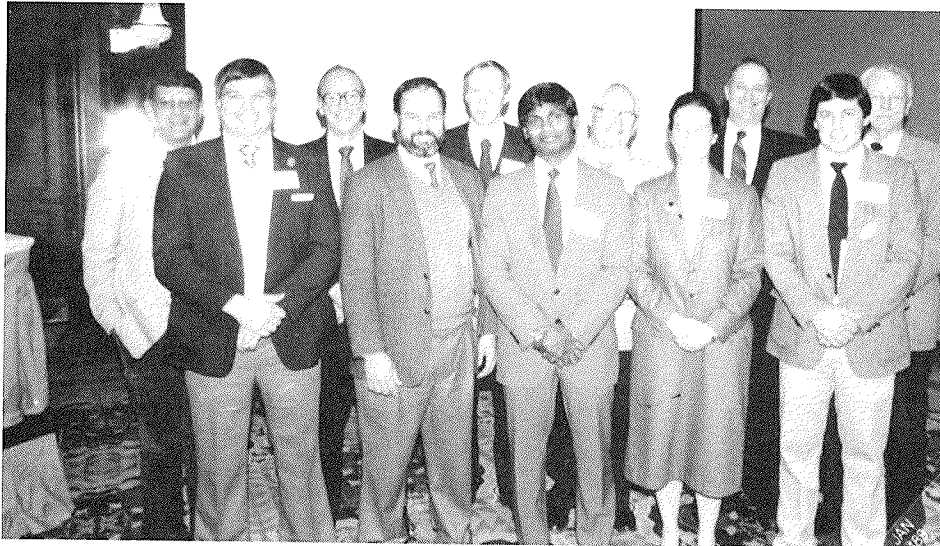
Carol Moseley

V.P.I. & SU

Undergraduate Individual

Del Voight

Penn. State University



1989-90 Executive Committee

L to R: G. Schnappinger, G. Jordan, W. Wright, B. Majek,  
S. Gorski, P.C. Bhowmik, R. Sweet, R. Bellinder, J. Dobson,  
R. Wallace, R. Johnson

(Photo from G. Jordan)

## 1990 - 1991

January 3,4,5, 1990  
Number registered 340

Sheraton Hotel, Boston, Mass.  
Sustaining Members: 42

### Executive Committee

President:	J.B. Dobson	American Cyanamid Co.
President Elect:	P.C. Bhowmik	Univ. of Mass.
Vice President:	S.W. Pruss	CIBA-Geigy Corp.
Secretary-Treasurer:	B.A. Majek	Rutgers University
Past President:	S.F. Gorski	Ohio State Univ.
Research Coordinator:	T.E. Vrabel	Rhone-Poulenc Ag. Co.
Editor:	R.R. Bellinder	Cornell University
Sustaining Membership:	M.G. Schnappinger	CIBA-Geigy Corp.
WSSA Representative:	W.G. Wright	Dow Chemical
CAST Representative:	R.D. Sweet	Cornell University
Legislative:	A.R. Bonanno	Bonanno Farm Trust
Grad. Student Rep.:	R.W. Wallace	Cornell University
Public Relations:	G.L. Jordan	ACDS Inc.

### General Session

Outgoing president S. F. Gorski commented on recent media stories about pesticides. A large number are continuing to emphasize the erroneous viewpoint that our foods are dangerous because of pesticides. Fortunately major print media such as NY Times, Wall Street Journal and Chicago Tribune are printing reasonably balanced stories. Much remains to be done before this issue is resolved.

David Whitacre of Sandoz gave a forward-looking view as to how we should proceed. Both new approaches and new chemistry are needed to make continued progress in better but safer control measures for weeds and other pests. However, to gain public acceptance, a significant additional effort must be made in explaining to the public what we are doing, why we are doing it and at the same time that the environment is not being put at risk.

Robert D. Sweet of Cornell presented his views on the performance of the Land Grant System. He complimented the system for its excellent record of working to assist agriculture in the control of pests. Unfortunately we have completely avoided the crying need to educate the public on all aspects of pesticides. A key basic step is to change our attitude. When someone criticizes use of pesticides because they are dangerous to humans and the environment, we need to stop the typical "we used them to provide you cheap

food." Instead we should meet the safety issue head on. Present facts where we have them, and if we don't have them, get them as soon as possible.

## Symposia

"Herbicide Resistance: Weeds and crops" was moderated by P. C. Bhowmik and featured H. M. LeBaron of CIBA Geigy, D. L. Shaner, American Cyanamid, S. R. Radosevich of Oregon State, M. T. Molin of Monsanto, and R. L. Ritter of Univ. of Maryland. The topics included the weed resistance situation, ecological research needs, resistance to newer herbicides, molecular strategies for crop resistance to glyphosate, and management strategies for farmers with resistant weeds.

Perspectives on: Operational Herbicide Programs on Private Forest Lands in Maine" was moderated by M. L. McCormack, Univ. of Maine. Participants included representatives from four paper companies as well as from Monsanto chemical.

## Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	18	Application equipment	2
Ecology Physiology, Soils	8	Application techniques	4
Ind., Forestry, Cons.	11	Formulations	5
Ornamentals	7	Growth regulators	4
Turfgrass and Growth Regulators	18	Herbicide activity	37
Vegetables and Fruit	16	Herbicide combinations	6
Posters	16	Physiology	5
		Tillage and control systems	12
		Weather	1
		Weed-crop competition	1
		Weed biology	1

AwardsDistinguished member

R. M. Devlin

Univ. of Massachusetts

Award of Merit

Byrant L. Walworth

American Cyanamid Co.

Innovator of the Year

None awarded

Outstanding Paper

None awarded

Outstanding Graduate Student Presentation

W. J. Chism

R. W. Wallace

VPI and S.U.

Cornell University

Research poster

J. A. Meade and J. Ingerson-Mahr

L. J. Kuhns and J. Loose

Rutgers University

Penn. State University

Collegiate Weed Science Contest 1989, American Cyanamid, Princeton, New JerseyUndergraduate Team

SUNY Cobleskill

Graduate Team

Cornell University

Undergraduate Individual Anita Dielman

Guelph Univ.

Graduate Individual

Paul Stachowski Cornell Univ.

## 1991 - 1992

Jan. 8, 9, 10, 1991  
Number registered 327

Stouffer Harbor Place Hotel, Baltimore, MD  
Sustaining Members: 35

### Executive Committee

President:	P.C. Bhowmik	Univ. of Mass.
President elect:	S.W. Pruss	CIBA-Geigy Corp.
Vice President:	R.L. Ritter	Univ. of Maryland
Secretary-Treasurer:	B.A. Majek	Rutgers University
Secretary-Treasurer Elect:	B.D. Olson	DowElanco
Past President:	J.B. Dobson	American Cyanamid
Research Coordinator:	T.E. Vrabel	Rhone-Poulenc Ag.
Editor:	R.R. Bellinder	Cornell University
Sustaining Membership:	M.B. Schnappinger	CIBA-Geigy Corp.
WSSA Representative:	W.G. Wright	DowElanco
CAST Representative:	R.D. Sweet	Cornell University
Public Relations:	G.L. Jordan	ACDS Inc.
Legislative:	A.R. Bonanno	Bonanno Farm Trust
Grad. Student Rep.:	R.W. Wallace	Cornell University

### General Session

Outgoing President J.B. Dobson set the scene for the session topic of "Food Safety" with his address titled "There is a Worm in My Apple". He felt that one "worm" was eliminated when California voters defeated proposition 128 but that more "worms" still exist. Examples were given of highly negative views of agriculture that were based on false information. He concluded by re-inforcing several previous presidents of NEWSS who emphasized the need for more effort by scientists to get their views into the public information streams.

Phil Koch of the Agricultural Council of America explained the make-up of his organization and how it was conducting its public awareness and education campaign on the fact that we do have a safe food supply in the U.S.

Gordon Conklin of the American Agriculturist Magazine presented "Farm Perspectives" on food safety. He used many humorous jokes and episodes to make his point that people act on what they believe, not on what they know. Nonetheless we need to continue to provide the public with facts, but package them with a more emotional wrapping.

## Symposium

### Impact of Government Programs and Initiatives on Agriculture

Earl J. Butz spoke about farm policy and described it as costly, controversial, and too often counter productive. He strongly recommended more policies that considered the market place as a major factor.

P.E. Kindinger stressed the need for applied scientists to become globally oriented when they are planning their research programs.

L.P. Gianessi, Resources for the Future, examined pesticide policy making. He cited numerous examples of how the overall goal of safe food and environmentally sound practices often fails to recognize that many trade-offs are required. Also, most policies are designed "to reduce pesticide use", with no parameters as to how goals are to be achieved or what constitutes a reduction. Ironically, because pesticide chemistry is becoming more effective on a weight basis, pesticide use if measured by tons will decline no matter what policy makers do.

A.R. Bonanno, chair of the newly formed NEWSS committee on legislation, explained what steps had been taken to date and what still needs to be done. In summary, it will try to organize our members and cooperate with other groups to better communicate facts about our agriculture and its contributions to a safe food supply and a healthy environment.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	24	Application techniques	8
Ecology, Physiology, Soils	6	Formulations	5
Ind., Forestry, Cons.	9	Herbicide activity	32
Ornamentals	7	Herbicide combinations	7
Vegetables and Fruit	12	Physiology	3
Turfgrass and Growth Regulators	15	Tillage and control systems	16
Sustainable Agric.	7	Weed biology and ecology	4
Posters	16		



AwardsDistinguished Member

J.B. Dobson	American Cyanamid
R.D. Shipman	Penn. State University

Award of Merit

Posthumously, D. T. Warholc	Cornell University
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Innovator of the Year

T.W. Watschke	Penn. State University
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Outstanding Applied ResearchFood and Feed

R.R. Hahn	Cornell University
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Turf, Ornamentals, and Vegetation Management

Wayne Bingham	VPI and SU
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Research Poster

T.E. Hines and H.P. Wilson	VPI and SU
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Graduate Student Presentation

E.T. Maynard and H.C. Wien	Cornell University
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Tie for second

D.L. Kunkel, J.C. Steffens

and R.R. Bellinder

M. Waters and R.D. Ilnicki	Cornell University
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Rutgers University

Collegiate Weed Science Contest 1990, Agway Farm Res. Center, Tully, New YorkUndergraduate Team

SUNY at Cobleskill

Graduate Team

V.P.I. and SU

Undergraduate Individuals

Dwight Lingenfelder	Penn. State University
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Graduate Individual

Brian Manley	V.P.I. and SU
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## 1992 - 1993

Jan. 6, 7, 8, 9, 1992  
 Number registered: 254

Marriott Copley Place, Boston, MA  
 Sustaining Members: 45

Executive Committee

President:	S.W. Pruss	CIBA-Geigy Corp.
President Elect:	R.L. Ritter	Univ. of Maryland
Vice President:	W.G. Wright	DowElanco
Secretary-Treasurer:	B.D. Olson	DowElanco
Past President:	P.C. Bhowmik	University of Mass.
Research Coordinator:	L.J. Kuhns	Penn. State Univer.
Sustaining Membership:	M.P. Whalen	ICI Americas Inc.
Editor:	R.R. Bellinder	Cornell University
Public Relations:	G.L. Jordan	ACDS Inc.
Legislative:	A.R. Bonanno	Bonanno Farm Trust
WSSA Representative:	M.G. Schnappinger	CIBA-Geigy Corp.
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	VACANT	

General Session

Outgoing President P. C. Bhowmik gave his views on the "Challenges in Weed Science". An overriding challenge for agriculture as a whole is how to produce abundant, high quality food at reasonable cost and at the same time protect the environment and conserve natural resources. He concluded that we must continue to pursue avenues which will help educate the public concerning the facts about agriculture, pesticides, and particularly our specialty, herbicides.

R.S. Fawcett presented material on the contamination of wells by pesticides and nitrogen. In more than 80% of the cases of contaminated wells in Iowa, the culprit was mixing-loading near the well. Similar results were found in Illinois and Kansas. However, the low percentage of contaminated wells which are caused by field and home owner applications must be addressed.

J.D. Weber and R.L. Warren discussed a system for selecting environmentally safe pesticides. The leaching potential of soils is based on texture, pH and organic matter. The leaching potential of pesticides is based on longevity or half-life of the pesticide, rate of application, fraction which reaches the soil, and index of soil retention. A matrix of these values for 110 pesticides and 163 soils has been developed to allow users to avoid "hot chemicals" on "hot soils".

## Biological Pesticides: Environmental Issues and the Regulatory Process

J.D. Panetta of the Mycogen corporation reviewed the early concerns about efficacy under field conditions representative of present day commercial producers. He believes much of the early negativism has been rejected because biologicals are now an integrated approach that may combine organisms and synthetic chemicals. However, biologicals must be proved or they will not be successful in the market place. He also reviewed the regulatory requirements. Since this is a new area, there is still considerable disagreement as to whether the system has important omissions in some aspects, and overkill in others.

J. Baron of IR-4 explained the current IR-4 programs as well as traced its history since being established in 1963. He commented on the "Third Party" label as a strong step towards solving the liability issue with minor crops. However, due to the large number of minor crops, before IR-4 can play a major role, its resources must be greatly increased.

Three Workshops were conducted:

1. Species Diversity: A growing concern in forest vegetation management
2. Third Party Pesticide labels for minor crops
3. Application Technology

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	20	Application techniques	9
Ecology, Physiology, Soils	0	Formulations	3
Ind., Forestry, Cons.	Panel	Herbicide activity	30
Ornamentals	9	Herbicide combinations	2
Vegetables and Fruit	12	Physiology	6
Turfgrass and Growth Regulators	9	Tillage and control systems	15
Sustainable Agric.	0	Weed-crop competition	2
Posters	14	Application equipment	2

AwardsDistinguished Member

M.G. Schnappinger

CIBA-Geigy Corp.

Award of Merit

Robert Duell

Rutgers University

R.D. Ilnicki

Rutgers University

J.A. Meade

Rutgers University

W. V. Welker

USDA-ARS, WV

Innovator of the Year

E.S. Hagood

VPI &amp; SU

R.L. Ritter

Univ. of Maryland

Outstanding Applied ResearchFood and Feed

H.P. Wilson

VPI &amp; SU, Painter, VA

Turf, Ornamentals, and Vegetation Management

J.F. Ahrens

Connecticut Agr. Exp. Sta.

Research Poster

B. Marose, N. Anderson,

L. Kaufman-Alfera, and T. Patton

Univ. of Maryland

Graduate Student Presentation

Jose DeCastro, T. Malefyte, and

R.D. Ilnicki

Rutgers University

T.A. Blomgren and R.R. Bellinder

Cornell University

Collegiate Weed Science Contest 1991, Rutgers University, New Brunswick, New JerseyUndergraduate Team

Guelph University

Graduate Team

VPI &amp; SU

Undergraduate Individual

Tim Borho

Guelph University

Graduate Individual

Carroll Moseley

VPI &amp; SU

Comment: The section "Ecology, Physiology, and Soils", which had been active since 1965, was dropped.

## 1993 - 1994

Jan. 4, 5, 6, 7, 1993  
 Number registered: 315

Stouffer Harbor Place Hotel, Baltimore, MD  
 Sustaining Members: 31

Executive Committee

President:	R.L. Ritter	Univ. of Maryland
President Elect:	W.G. Wright	Dow Elanco
Vice President:	B.A. Majek	Rutgers University
Secretary-Treasurer:	B.D. Olson	DowElanco
Past President:	S.W. Pruss	CIBA-Geigy Corp.
Editor:	J.C. Neal	Cornell University
Research Coordinator:	L.J. Kuhns	Penn. State Univ.
Sustaining Membership:	M.P. Whalen	ICI Americas Inc.
Public Relations:	G.L. Jordan	ACDS, Inc.
Legislative:	A.R. Bonanno	Bonanno Farm Trust
WSSA Representative:	M.G. Schnappinger	CIBA-Geigy Corp.
CAST Representative:	R.D. Sweet	Cornell University
Grad. Student Rep.:	VACANT	



1993-94 Executive Committee

Front, L to R:

S.W. Pruss, R. Ritter, W. Wright, B. Majeck, J. Neal, B. Olson

Back, L to R:

G. Jordan, R. Sweet, G. Schnappinger, L. Kuhns, M. Whalen,  
 R. Bonanno

(Photo from G. Jordan)

### General Session

Outgoing President S.W. Pruss reinforced the topic for the general session, i.e., "communication". He pointed out that our membership was now below 300, and that we were trying to bring more agri-business into our meetings such as the Maryland group this year. One of the strengths of NEWSS is the willingness of members to help. He received offers from 64 members when he became president. Additionally, he cited the recent "anti-milk" campaign, and how it was denounced from many different quarters before it hardly got off the ground, as a hopeful sign that we may have turned the corner regarding food scares that are not based on facts.

D. McCallum discussed "risk communications" regarding agriculture technology, including agricultural chemicals and the environment, chemical residues in foods, and the newest biotechnology. He then enumerated 5 points to be addressed before a communications program is begun and 5 aspects that need to guide the program while it is underway.

E.D. Miller reviewed the program which contributed to the defeat of proposition 128 "Big Green" in California. He believed the 4 most important aspects were: starting early, basing strategy on sound issues and public opinion, involving a broad section of industry for monetary support, and hiring competent campaign professionals.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	21	Application techniques	8
Ind., Forestry, Cons.	13	Application equipment	2
Ornamentals	8	Formulations	7
Vegetables and Fruit	15	Herbicide activity	53
Turfgrass and Growth Regulators	20	Herbicide combinations	3
Posters	16	Growth regulators	4
		Research methods	1
		Tillage and control systems	12
		Weed biology and ecology	7
		Weed-crop competition	1

## AWARDS

<u>Distinguished Member</u>	Stephen Dennis	Zeneca Agr. Products
	James Graham	Monsanto

Award of Merit -- None

Innovator of the year -- None

Outstanding Applied Weed Scientist:

Food and Field Crops -- None

Turf, Ornamentals and Vegetation Management

J.C. Neal

Cornell University

Outstanding Graduate Student Presentation

E.D. Wilkins

Cornell University

H.C. Wetzel

University of Maryland

### General Symposium

Herbicide Reduction in North America: Where do we go from here?

The symposium was moderated by J.T. Andoloro, DuPont, and featured 6 speakers.

A.S. Hamill, Agric. Canada; Spoke on the opportunities this movement has provided. Increased funds for research education and extension have resulted in a general lowering of active ingredient usage.

Andreas Zoschke, CIBA-Geigy Corp.; emphasized that weed management practices must meet the requirements of the environment, society, and economics of our groups.

M.L. McCormack, Jr., University of Maine; stated that reductions in amounts of herbicides used in forestry will depend on new chemistry, improved delivery technologies, and using overall management approaches which may include alternative methods.

R.R. Bellinder, Cornell University; explained the Swedish model for reduction in pesticide use. She pointed out that for Europe as a whole all countries reduced pesticides about the same percentage whether or not they had government mandates to do so.

F.L. Baldwin, University of Arkansas; explained their strong program of research and extension to reduce herbicide rates in soybeans. It has been so successful the program now includes other agronomic and horticultural crops. It has been expanded to more of a cropping systems approach to include cover cropping, ridge-tillage, and rotations.

H.L. Coble, N.C. State University; reviewed computer aids for reducing herbicide use. The software program is called HERB T.M. and is being sold nationally.

Collegiate Weed Science Contest, 1992, Ridgetown College, Ridgetown, Canada

<u>Undergraduate Team</u>	Ohio State University
<u>Graduate Team</u>	Michigan State University
<u>Graduate Individual</u>	
Troy Bauer	Michigan State University
<u>Undergraduate Individual</u>	
Jeff Stackler	Ohio State University
<u>Research Poster</u>	
R.H. Uva and J.C. Neal	Cornell University



Past Presidents 1993 Meeting

Front Row L to R: G. Bayer 71-72; J. Ahrens 70-71; R. Peters 64-65; R. Illnicki 66-67; J. Dobson 90-91; P. Bowhmik 91-92; R. Sweet 49-50; E. Higgins 86-87; M. McCormack 87-88

Back Row L to R: T. Watschke 83-84; R. Hahn 85-86; J. Meade 68-69; J. Riggelman 78-79; R. Johnson 88-89; S. Fertig 58-59; J. Graham 84-85; E. Beste 77-78; R. Raylorson 81-82; J.

Parochetti 79-80; S. Pruss 92-93

(Photo from G. Jordan)



**1994 - 1995**

Jan. 3, 4, 5, 6, 1994  
 Number registered: 315

Hyatt Regency Hotel, Baltimore, MD  
 Sustaining Members: 31

Executive Committee

President:	W.G. Wright	DowElanco
President Elect:	B.A. Majek	Rutgers University
Vice President:	T.E. Vrabel	Rhone-Poulenc Ag.
Secretary-Treasurer:	B.D. Olson	DowElanco
Past President:	R.L. Ritter	Univ. of Maryland
Editor:	J.C. Neal	Cornell University
Research Coordinator:	L.J. Kuhns	Penn. State Univer.
Sustaining Membership:	M.P. Whalen	Zeneca Ag. Products
Public Relations:	J.F. Derr	V.P.I. and SU
Legislative:	A.R. Bonanno	Bonanno Farm Trust
WSSA Representative:	D.B. Vitolo	CIBA Crop Pro.
CAST Representative:	R.D. Sweet	Cornell University

General Session

Outgoing President R.L. Ritter reviewed: what we do, who we are, the media, encouragement, the environment, now and the future. While there are many negatives, it is important to also consider the many positives. Weeds will always be a serious potential threat to crops, and chemicals will be a major weapon against them for the foreseeable future. However, newer chemistry promises selectivity with minimum risk to either the environment or humans, and educational programs are in place to help applicators use chemicals both effectively and safely. He cited a humorous poem by the late H.J. Carew which describes his views on the results of excessive environmental regulations.

The invited speaker, Leonard Genova of FDA spoke on residues in foods. He explained how his agency operates, its principal responsibilities, and the generally very good status of our food supplies with regard to pesticide residues.

## Symposia

### Liability Concerns for Agriculture

Four speakers addressed the following aspects:

1. Government Policy on Pesticides.
2. Personal Liability of Professionals.
3. Liability in Herbicide Development and Marketing.
4. Land Use Liability and Environmental Audits.

### Special Symposia

1. Landscape/Nursery Weed Control.

Six speakers covered many aspects necessary for safe, effective controls.

2. Vegetation Management in Commercial Hardwood Forests.

Four speakers emphasized management for oak. They represented areas from Maine to West Virginia.

3. Issues Facing the Agrichemical Industry.

This was part of a special program designed to assist the dealers and applicators in the Mid-Atlantic states. Business associations headquartered in New Jersey, Pennsylvania, Virginia, Maryland and DelMarva were involved. An entire day was spent on topics ranging from new developments from industry, to regulations, environmental issues, and education.

### Section Programs

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	20	Application techniques	9
Ind., Forestry, Cons.	18	Application equipment	1
Ornamentals	9	Formulations	8
Vegetables and Fruit	19	Herbicide activity	32
Turfgrass and Growth Reg.	20	Herbicide combinations	2
Posters	7	Conservation	2
		Physiology	1
		Weed biology and ecology	9
		Research methods	1
		Weed-crop competition	3
		Soils	1
		Weed manage. systems	16

### Awards

#### Distinguished Member

Maxwell McCormack  
Russell Hahn

University of Maine  
Cornell University

#### Award of Merit

John F. Ahrens  
John B. Dobson  
J. Ray Frank

Conn. Agr. Expt. Station  
American Cyanamid Co.  
USDA/ARS/IR-4

#### Innovator of the Year

George Hamilton

Penn. State University

#### Outstanding Applied Weed Scientist

##### Food and Feed Crops

Robin R. Bellinder

Cornell University

##### Turf, Ornamentals, and Vegetation Management

Prasanta C. Bhowmik

University of Maryland

Outstanding Graduate or Undergraduate Student Presentation

Jed B. Colquhoun	Cornell University
Eric D. Wilkins	Cornell University

Research Poster

M. Macksel and J. C. Neal	Cornell University
A. Senesac	L.I. Hort Res. Laboratory

Collegiate Weed Science Contest 1993, V.P.I., Blacksburg, Virginia

Undergraduate Team	SUNY Cobleskill
Graduate Team	VPI and SU
Undergraduate Individual Brian Cook	Univ. of Guelph
Graduate Individual Brian Manley	VPI and SU

**1995 - 1996**

Jan. 2, 3, 4, 5, 1995

Marriott Copley Place, Boston, MA

Number registered: 300

Sustaining Members: 37

Executive Committee

President:	B.A. Majek	Rutgers University
President Elect:	T.E. Vrabel	Rhone-Poulenc Ag.
Vice President:	J.C. Neal	Cornell University
Secretary-Treasurer:	B.D. Olson	DowElanco
Past President:	W.G. Wright	DowElanco
Editor:	S. Glenn	Univ. of Maryland
Research Coordinator:	W. Curran	Penn. State Univ.
Sustaining Membership:	D. Mayonado	Monsanto
Public Relations:	J.F. Derr	VPI and SU
Legislative:	A.R. Bonanno	Bonanno Farm Trust
WSSA Representative:	D.B. Vitolo	CIBA Crop Pro.
CAST Representative:	R.D. Sweet	Cornell University

General Session

Dr. R.G. Helgeson, Dean College of Food and Natural Resources gave the welcoming address. He stressed the changes in agriculture and the Land Grant System that have occurred and the current situations which dictate that more changes are to come.

Outgoing President W.G. Wright spoke on the same general theme, but related changes and accomplishments to NEWSS.

Invited Speaker, Dr. Paul E. Waggoner, Conn. Agr. Expt. Sta. presented an optimistic analysis regarding our ability to feed 10 billion people and still have land to spare for nature.

### Symposia

The general symposium featured the role of herbicides in vegetation management. Four speakers addressed the topic from the standpoint of power companies, tree experts, golf courses, and agronomic cropping. They concluded that the benefits from herbicides far outweighed their risks. However, the benefits could not be achieved unless applicators worked closely with environmentalists and sincerely addressed their concerns. Excellent research with heavy private funding is providing facts which help fine-tune herbicide usage and allay fears of environmental damage.

A special symposium was sponsored by the Industrial, Forestry, and Conservation section on "Interactions Between Wildlife and Forest Vegetation Management". Eight speakers covered a range of topics including fate of herbicides in wetland soils, the effects of manual, mechanical, and aerial sprayers on a forest ecosystem in Northwestern Ontario. The impact of deer on a hardwood forest, and the effects of glyphosate sprays on deer and moose nutrition was also reported.

A third symposium was conducted on weed control in turf and landscape ornamentals. Ten speakers addressed a wide range of topics of interest to the special audience made up primarily of agri-business representatives, golf course superintendents and the Green Industry Alliance.

### Section Programs\*

<u>Section</u>	<u>Papers</u>	<u>Subjects investigated</u>	<u>No.</u>
Agronomy	23	Application techniques	9
Ind., Forestry, Cons.	12	Formulations	7
Ornamentals	10	Herbicide activity	24
Vegetables and Fruit	9	Herbicide combinations	4
Turfgrass and Growth Reg.	23	Conservation	0
Posters	17	Physiology	3
		Weed biology and ecology	6
		Weed manage. systems	15

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\*Not including symposia

AwardsDistinguished Member

Richard Ashley  
Richard Marrese

Univ. of Connecticut  
Hoechst-Noram

Award of Merit

Francis J. Webb

University of Delaware

Innovator of the Year

Kent D. Redding

DowElanco

Outstanding Applied Weed Scientist

Food and Feed Crops      No Award

Turf, Ornamentals, and Vegetation Management

Andrew F. Senesac

Long Island Hort.  
Research Laboratory

Collegiate Weed Science Contest 1994, Lower East. Shore Res. and Ed. Center, Salisbury, Maryland

Undergraduate Team

Univ. of Guelph

Graduate Team

V.P.I. and S.U.

Undergraduate Individual    Robert Maloney

Univ. of Guelph

Graduate Individual

Brian Manley

V.P.I. & S.U.