

Southern Weed Science Society

33rd Annual Meeting

Proceedings

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Hot Springs, Arkansas, U.S.A.

Weed Science: The Tie That Binds, Bends

SOUTHERN WEED SCIENCE SOCIETY OUTSTANDING YOUNG WEED SCIENTIST AWARD

John R. Abernathy

The Southern Weed Science Society presented its first "Outstanding Young Weed Scientist Award" in 1980. Recipient of this first award, to be sponsored annually by BASF Wyandotte Corporation, was John R. Abernathy.



John Abernathy, born in Altus, Oklahoma, is associate professor with the Texas A&M Research Center at Lubbock. After receiving bachelor and masters degrees in agronomy from Oklahoma State University, John earned his doctorate in agronomy from the University of Illinois.

He served as a research assistant at both Oklahoma State and the University of Illinois and from June 1972 until May 1973 was regional research manager with Velsicol Chemical Company in Chicago. He joined the Texas A&M staff at the Lubbock center in 1973 and has served as both assistant professor and associate professor.

In 1977, John received the West Texas Agricultural Chemicals Institute Award for "outstanding contributions to West Texas agriculture." He also co-authored the "outstanding graduate student paper presentation" of the 1977 Southern Weed Science Society meeting.

John has also been active in both SWSS and the Weed Science Society of America. He has served as secretary-treasurer of SWSS and as a member of the Executive Board. Additionally, he has been chairman of several committees and activities, including the Resolution and Necrology Committee.

He has also served on several WSSA committees, including service as membership chairman.

Since 1974, John has supervised and conducted one of the largest field weed research programs in the United States, directing research at both Lubbock and Halfway centers. Additionally, he has plots on a dozen or more farms.

Work consists of many different types of research, including preplant, preemergence and postemergence herbicide trials on most field crops grown in the Southern Plains. Then, there's research dealing with specific weed problems in the High Plains.

John, through his work, has determined varietal response of cotton, soybeans, sorghum, cowpeas and corn to herbicides to which they could be exposed. His overall research program has also contributed valuable information to area farmers regarding herbicide resistance, soil buildup after repeated herbicide use, herbicide levels in the soil which affect rotational crops, and length of weed control achieved by specific herbicides.

MINUTES OF THE
SWSS EXECUTIVE BOARD MEETING
Arlington Hotel, Hot Springs, Arkansas

Thursday, July 26, 1979

The meeting was called to order by President Morris Merkle. General comments were made as to what the accomplishments of the meeting should be. Board members in attendance were: Morris Merkle, President; Charles Moore, President-Elect; Jerry Weber, Vice-President; John Abernathy, Secretary-Treasurer; Cleston Parris, Past-President; Ford Baldwin, Board Member; and Ron Talbert, Local Arrangements Chairman.

A motion was made by Cleston Parris to approve the proposed agenda. Jerry Weber seconded the motion and the motion carried.

The first presentation was the Secretary-Treasurer's report given by John Abernathy. He reported that, as of May 31, 1979, the financial status of the Society is \$3000.00 less than the assets at the same time last year. It was anticipated that increasing the dues from \$15.00 to \$20.00, as passed by ballot earlier this year, will help the Society's financial situation. The increased income should aid in returning the budget to an acceptable operational level. Mention was made that postage and printing increases over the last few years have hurt the Society financially. John also reported that a list of the membership was prepared and sent to CAST for their use in obtaining new members. He indicated that, through mailings made earlier this year, the membership voted to raise annual dues from \$15.00 to \$20.00. Members also voted to accept the possibility of changing the format of the meeting style to allow the entire first day for graduate student presentations and to move the general session to the second day. These changes would make more time available throughout the meeting. It was reported that summer August mailings are scheduled to go out by August 15, 1979. The SWSS newsletter will be mailed as well as a call for papers, information on the Arlington Hotel in Hot Springs and information concerning transportation from Little Rock to Hot Springs.

Jerry Weber, Program Chairman, reported on progress for the 1980 program. He indicated that the title selected would be "In Weed Science the Tie That Binds Bends" and that this would be the theme of the 1980 meeting. Individuals for the general session are being lined up and, at this point, nothing is definite except that the entire graduate student program will be on the first day.

The members then toured the Arlington Hotel facilities. Mr. John Burford, Convention Manager, pointed out the meeting rooms, suites, ballroom and the available eating facilities. The hotel appeared to be a suitable and convenient place to host the meeting as there are plenty of well facilitated meeting rooms. The board members present generally felt that a good meeting in Hot Springs can be expected.

President Merkle gave the Editors report. He read letters from Bryan Truelove who had some questions concerning what index to use in the proceedings and what practices to follow in the research reports. The board directors present felt that these decisions should be left up to the Editor.

Past-President, Cleston Parris gave the Awards Committee report during which he announced a new award, funded by BASF, to be established in 1980. The award will be in recognition of an outstanding young Weed Scientist. Forms and information for the award will be submitted in the August mailing along with information on nominations for the Distinguished Service Award and officer nominations. Cleston also reported that the membership should select a Vice-President from industry, a Secretary-Treasurer and an Editor prior to next years meeting. This would allow the new officers to acquaint themselves with their new office one year prior to taking it over. A board member from industry and another one from the public sector must also be selected. It was reported that the nominations for Secretary-Treasurer and Editor are in progress and that the nominations have been narrowed down to 4 names for each office. These names will be resubmitted to the nominating committee and one name will be submitted to the Board of Directors for approval. Cleston Parris made motion that the BASF award be established and that the Board of Directors accept the criteria that this award is based on. The motion was seconded by Jerry Weber and the motion carried.

A motion was made by Jerry Weber that Cleston Parris' report on the nomination of officers and other awards be accepted. Charles Moore seconded the motion and it carried.

Jerry Weber made motion that the meeting be adjourned. The motion was seconded by Ford Baldwin and the motion carried.

Respectfully submitted,

John R. Abernathy
Secretary-Treasurer

MINUTES OF 1980 SOUTHERN WEED SCIENCE SOCIETY MEETINGS

Arlington Hotel

Hot Springs, Arkansas

January 14, 1980

The meeting of the Executive Board of Directors was called to order at 1:30 PM on January 14, 1980. Members of the Board of Directors present were Harold Hurst, Don Davis, Ford Baldwin, Jerry Weber, Charles Moore, Jim Barrentine, Dick Oliver, Don Gates, John Gallagher, Mike Chandler, Ellis Hauser, Bryan Truelove, Cleston Parris, Morris Merkle, and John Abernathy.

A motion was made by Bryan Truelove to accept the proposed agenda. It was seconded by Charles Moore. The motion passed.

A motion was made by Cleston Parris to accept the minutes as printed in the 1979 SWSS Proceedings. This was seconded by Ford Baldwin and the motion passed.

A motion was made by Don Davis to increase the price of the Research Report from \$3 to \$4 which would be a correction to the SWSS Minutes of 1979. Harold Hurst seconded and the motion passed.

The next order of business was the Secretary-Treasurer's report by John Abernathy, followed by the Editor's report by Bryan Truelove. Bryan Truelove noted that the cost of printing the Research Report was increasing and that the Board needed to decide later how many to print for the next year. Mailing costs had increased 20%.

Harold Hurst gave a report on the Weed Science Society of America as the SWSS representative to the WSSA Board of Directors. He suggested the Board should consider appointing a representative from industry to fill his position beginning in January 1981.

Reports were given by Don Davis on CAST. Auditing Committee report was given at the business meeting. Ron Talbert, Chairman of Local Arrangements, noted that 750 rooms had been booked for the 1980 Meetings.

Cleston Parris gave an Awards Committee report giving results on the recipients of the Distinguished Service Awards and Outstanding Young Weed Scientist Award. The Distinguished Service Award recipient from industry was W.S. "Bill" Westmoreland. The Distinguished Service Award recipient from the university sector was Gale A. Buchanan. The recipient of the first Outstanding Young Weed Scientist Award sponsored by the Southern Weed Science Society and BASF Corporation was John Abernathy.

In the Finance Committee report, the motion was made by Charles Moore to raise sustaining membership from \$50 to \$75. Jim Barrentine seconded and the motion passed.

A motion was made by Cleston Parris to amend the motion such that large companies with sales over \$1 million and territorial sales from several states would pay \$100 for sustaining membership, small companies \$75. It would be up to the company to decide which level of payment would be appropriate.

A motion was made to raise luncheon tickets from \$5 to \$8. This was defeated.

A second motion was made by Don Davis to raise luncheon tickets from \$5 to \$6. This motion was seconded by Cleston Parris and was passed.

The Finance Committee also suggested that the Board possibly check on industry support of Distinguished Service Awards, such as support for travel of the spouse, the making of plaques, etc.

Cleston Parris made a motion that the budget be accepted and adopted as discussed. It was seconded by Don Davis and passed.

Resolutions were presented to the Board of Directors, which are contained in the Resolutions and Necrology Report. A motion was made that the Board of Directors accept these resolutions. This motion was made by Charles Moore and seconded by Ellis Hauser. The motion passed.

The Publications Committee report was made by Jim Miller. Motion was made by Jim Miller that the Board of Directors appoint an Ad Hoc Committee which would set a format which would better satisfy extension and research personnel as to their needs for the Research Report. Possibly a table of weeds versus respective herbicide performance or efficacy should be used.

Following the Weed I.D. Committee report, a motion was made that the Weed I.D. Committee be made a permanent committee. Harold Hurst made the motion and was seconded by Cleston Parris. The motion passed. This would be a change in the constitution which will require a membership vote.

As part of the Historical Committee report, a motion was made that the paragraph reading "We recommend that Publicity Committee Chairman forward copies of photographs of officers, contest winners, and people receiving honors, as well as, news releases about the meetings to the Program Chairman who will send this and other material to the Custodian of the Southern Weed Science Society Historical File", be included as part of the Manual of Operating Procedures. This motion was made by Cleston Parris and seconded by Bryan Truelove. The motion passed.

The next report was from the Long-Range Planning Committee made by Gale Buchanan, Chairman. Several recommendations were made from this Committee which resulted in Board action. The first recommendation was that the Southern Weed Science Society enter into negotiations with Claude Cruse to handle certain specific business affairs of the Society. These responsibilities may include such things as printing publications and proceedings, arranging for distribution and sale of publications, support of

registration at annual meetings, membership maintenance, society correspondence, tax form preparation, and investments. A motion to accept this recommendation was made by Don Davis and seconded by Cleston Parris. The motion passed. At some time prior to the summer 1980 meetings, Secretary-Treasurer Abernathy, Editor Truelove, and President Moore should make arrangements to visit with Claude Cruse about some of these various points, negotiate and see exactly what service he can provide and what the cost would be.

The next recommendation was that steps be taken immediately to effectively survey the Southern Weed Science Society membership and determine the cost benefit aspects of the Research Report. There is strong support for abolishing that publication. Some members of the Long-Range Planning Committee feel that we should carefully determine the wishes of the Society before taking any further action. A motion to accept this recommendation was made by Jerry Weber, Ellis Hauser seconded it, and the motion passed.

Next, the Long-Range Planning Committee recommended that the Awards Committee begin immediately to develop an award comparable to the Outstanding Young Weed Scientist Award for a representative of the industry sector. It is a feeling of the Long-Range Planning Committee that such an award is appropriate in view of the significant contribution of industry and the fact that we already have an award for a young weed scientist from the academic sector. Specific details should be formulated by the Awards Committee. Motion was made by Cleston Parris to accept; seconded by Ellis Hauser. The motion passed.

Another Long-Range Planning Committee recommendation was that the Programs Committee carefully review and rewrite, if necessary prepare instructions for presenting papers, synchronizing watches every day, etc., and explore other factors that would enhance the quality of paper presentation, particularly by non-graduate students. A motion to accept the recommendation was made by Jerry Weber and seconded by Charles Moore; the motion passed.

Another recommendation made by the Long-Range Planning Committee was that the Publications Committee seriously consider new areas where a publication could serve a useful purpose. Some areas for consideration include, but are not limited to the following: (a) composite rating of weed responses to herbicides, (b) weed identification of related species, (c) weed control in no-tillage situations, (d) effects of agricultural surfactants on pesticide spraying, (e) herbicide use in fertilizer mixtures, and (f) Weed Identification Control Manual.

Don Davis moved that the Legislative Report be accepted. Jerry Weber seconded and it was passed. Site Selection Committee report was given by Claude Derting. Site selection for the 1984 meetings included two

possibilities--those being Opryland in Nashville, Tennessee and the Hyatt-Regency in Birmingham, Alabama, with the first choice being Opryland. The motion on this report was made that the Site Selection Committee investigate alternative sites and delay until the summer Executive Board Meeting any action. The motion was made by Don Davis; seconded by Jerry Weber. The motion passed. The Site Selection Committee should look at Jacksonville and Tampa as a couple of alternate sites.

The Publicity Committee report was presented. A motion was made by Don Davis that the report be accepted; Harold Hurst seconded and the motion passed. Cleston Parris made the Nominating Committee report. A motion that this report be accepted was made by Harold Hurst, seconded by Ford Baldwin and passed.

Placement Committee reported. Harold Hurst moved to accept the Placement Committee report and include a form in the Manual of Operating Procedures for a placement service using a format that corresponds to the form used by the WSSA. Ford Baldwin seconded and the motion passed.

Don Davis moved to accept the Program Committee report with the addition that an author index be included in the program for next year's meeting. Harold Hurst seconded and the motion passed. Don Davis moved to accept the registration report; Bryan Truelove seconded and the motion passed.

A motion by Ellis Hauser was made to accept the research report; Harold Hurst seconded; the motion passed. Ellis Hauser made a motion to accept the Student Interest Committee report. Harold Hurst seconded and the motion passed.

A motion was made by Bryan Truelove that included in the Manual of Operating Procedures should be a statement that one of the duties of the President is to write a letter of appreciation to the sustaining members. Charles Moore seconded and the motion passed.

Jerry Weber moved that we accept the report of the Terminology Committee. Ellis Hauser seconded and the motion passed.

Display Committee reported that there were 27 participants at the 1980 meeting. A motion was made by Jerry Weber that we delay action on the display until Thursday. Ellis Hauser moved to accept the membership report by Don Davis. Jerry Weber seconded and the motion passed.

The Executive Board of Directors Meeting on Monday, January 14, 1980 adjourned at 5:15 PM.

MEETING SITE SELECTION COMMITTEE REPORT--Presented by C. W. Derting

The closing of the Peabody Hotel prevents the scheduled return of the Society to that Hotel in Memphis, Tennessee in 1984.

Consequently, the mid-Southern cities of Hot Springs, Little Rock, Memphis, Nashville and Birmingham were evaluated.

Contracts were offered by the Hyatt Regency in Birmingham and the Opryland Hotel in Nashville. The latter is recommended to the Board, with reservations on food service capacity, as having excellent meeting facilities, and the best overall facilities available in the mid-South area.

Ray Dickens
J. C. Dunn
Jim Fox
R. P. Nester
C. W. Derting, Chairman

NOMINATING COMMITTEE REPORT--Presented by Cleston G. Parris

Nominations for incoming society officers were solicited from the membership. From the names submitted for consideration, the Nominating Committee selected two nominees for Vice-President, one for Editor (to serve in 1981), one for Secretary-Treasurer (to serve in 1981), and four for Executive Board Member-At-Large (two from industry, two from the public sector). Ballots were mailed to the membership in October. Those elected were:

Vice-President -- John E. Gallagher
Secretary-Treasurer -- Lawrence R. (Dick) Oliver
Editor -- R. Larry Rogers
Executive Board Member-At-Large (Public Sector) -- James M. (Mike) Chandler
Executive Board Member-At-Large (Industry) -- Don W. Gates

Respectfully submitted,

John B. Baker
James F. Miller
Russell F. Richards
Cleston G. Parris, Chairman

PLACEMENT SERVICE REPORT--Presented by Phil Banks

The Placement Service was made available to all interested participants of the 1980 SWSS meeting. A total of 33 individuals filed applications desiring employment. There were 24 positions available notices placed on file with the Service. This Committee has recommended, and it has been approved by the Board of Directors, that the placement form of the SWSS be revised to fit the format of the form used by the WSSA.

Respectfully submitted,

Mike French
Garland Burr
Phil Banks, Chairman

STUDENT INTEREST COMMITTEE REPORT--Presented by D. A. Pate

Sixty-five graduate student papers were evaluated in the graduate student contest. The papers were divided into five sections for judging. Winners from the respective sections were:

Section I

First: "Yellow Nutsedge Control in Peanuts". J. L. Wilhm III, and D. S. Murray, Oklahoma State University.

Second: "Weed Management in Narrow Row Soybeans". F. M. Godley, L. Thompson, Jr., and H. D. Coble, North Carolina State University.

Honorable

Mention: "Reduced Tillage with Herbicides for Wheat Production". D. W. Rushing and T. F. Peeper, Oklahoma State University.

Section II

First: "Factors Affecting Phytotoxicity of HOE 29152". N. K. Rogers and R. E. Talbert, University of Arkansas.

Second: "Weed Control in Field Plantings of Four Ground Covers". C. J. Wallinder, R. E. Talbert, and P. A. Saunders, University of Arkansas.

Section III

First: "Absorption and Translocation of Hexazinone (VELPAR) and tebuthiuron (SPIKE) in Winged Elm". W. K. McNeil and J. F. Stritzke, Oklahoma State University.

Second: "Absorption and Translocation of ¹⁴C-fosamine (KRENITE) by Multiflora Rose". R. K. Mann, C. E. Rieck, and W. W. Witt, University of Kentucky.

Section V

First: "Effects of Atrazine (AATREX) on Chesapeake Bay Aquatic Plants". D. R. Forney and D. E. Davis, Auburn University.

Second: "Biology and Control of Hairy Indigo, Primary Host of Cowpea Witchweed in Florida". K. A. Conlin and D. H. Teem, University of Florida.

Section VI

First: "Glyphosate (ROUNDUP) Action on Chlorophyll Synthesis". L. M. Kitchen and C. E. Rieck, University of Kentucky.

Second: "Absorption and Translocation of Polychlorinated Biphenyls (PCBs) by Weeds". H. J. Strek and J. B. Weber, North Carolina State University.

Honorable

Mention: "Ethoxylated Aliphatics as Safeners for Metribuzin (SENCOR, LEXONE)". J. E. Street, R. H. Walker, E. R. Jolley, and G. A. Buchanan, Auburn University.

Respectfully submitted,

L. L. McCormick	Don McCall
G. G. Davis	Ken Savage
L. S. Jeffery	D. A. Pate, Chairman

SUSTAINING MEMBERSHIP COMMITTEE REPORT--Presented by Sheron McIntire

On July 24, 1979, initial mailing was made to the 108 Sustaining Members of 1978. The mailing included a letter requesting their continued support, an application form for Sustaining Membership, and a numbered invoice. We received renewals from 84, cancellations of memberships from 2, and no reply from 22.

On September 13, 1979, a second notice mailing was made to the 22 firms who had not renewed their memberships. Twelve renewals were received, no response from 9, and cancellation notice from 1.

On September 13, 1979, a mailing was made to 27 prospective new members. Each prospect was sent a letter of invitation to membership outlining SWSS objectives and activities and an invoice. From these 27 prospects, we received 6 new members.

This brings the current total of Sustaining Members to 104.

All applications and checks were received by the Chairman of this Committee. A letter of acknowledgement and thanks was sent to each member. All checks, with the exception of the last two mailings, were forwarded by certified mail to the Secretary-Treasurer and applications placed in file. A list of current Sustaining Members was mailed to the Program Chairman on November 27, 1979. Address labels were mailed to the Program Chairman on November 27, 1979 and to the Editor on December 12, 1979.

As of January 16, 1980, we have 102 Sustaining Members who have contributed a total of \$5,200. We would like to express our thanks to all previous and new members for their interest and continued support of the SWSS.

The Committee, and particularly the Chairman, wishes to acknowledge the able assistance and express our sincere appreciation to Mrs. Anne Hunter for her help with the secretarial matters and the concise and accurate record keeping for this report.

Respectfully submitted,

Jessie Harris	L. C. Warner
Earl Ogle	Sheron McIntire, Chairman
Dom Riego	

BOARD OF DIRECTORS CHANGEOVER BREAKFAST

Arlington Hotel

Hot Springs, Arkansas

January 17, 1980

Members present were Jerry Weber, John Gallagher, Ellis Hauser, Harold Hurst, Larry Rogers, Morris Merkle, John Abernathy, Chester McWhorter, Bryan Truelove, Jim Barrentine, Bill Turner, Mike Chandler, Don Gates, Dick Oliver, Charles Moore, and Don Davis. This meeting was opened by President Charles Moore at 7:30 AM. A motion was made by Bryan Truelove to accept the proposed agenda; Jerry Weber seconded and the motion passed.

A motion was made by Ellis Hauser that the Board instruct the Awards Committee to develop an Outstanding Young Weed Scientist Award from industry and not consider an award for the 40-65 age bracket. This motion was seconded by Charles Moore and the motion passed.

A second report was made by Claude Derting, Chairman of the Meeting Site Selection Committee.

A motion was made by Jim Barrentine that we consider Opryland, Hot Springs, and other alternatives, such as Jacksonville and Orlando, and report to the Board prior to the summer meetings. Jerry Weber seconded and the motion passed.

It was also noted here that it would be very helpful if the Board of Directors could receive information on site selection early enough prior to the summer meetings to be able to discuss it. A registration report was given that 954 people had registered as of Thursday morning.

Jerry Weber moved that the Student Interest Committee name be changed to the Graduate Student Program Committee. This would be changed in the Manual of Operating Procedures. Mike Chandler seconded the motion and the motion passed. This Committee will be responsible for student registration.

The Display Committee report was made by Mike Chandler. In his report he noted that two new sustaining members were obtained at the meetings and that the hotel location was the key to success. He moved that this Ad Hoc Committee be continued. Harold Hurst seconded and the motion passed.

Discussion was held on the future of the research report. A survey should be sent to the membership as far as (1) continuing the research report, (2) dropping the printing of it, and (3) if it's continued, what changes need to be made. The printing of the procedures need to be quicker (takes printer 4 to 6 weeks), and possibly a worst weed section should be added.

The Board of Directors noted that Jerry Weber and his committee could solve this. He had the option to send a survey. If a survey is made, the results should be available to the Board prior to the summer meeting. On

the research report, a committee would be appointed to modify the recommendation section. Jim Miller would be Chairman and he could work with Jerry Weber.

The resolutions would be distributed as stated in the Resolutions and Necrology report. Jim Barrentine moved that the President could send the resolutions to other persons at his discretion. Mike Chandler seconded and the motion passed.

Ford Baldwin moved that Dow Chemical Co. be given permission to release Resolution No. 4 regarding 2,4,5-T. Jerry Weber seconded and the motion passed.

In the Finance Committee report at the business meeting, an omission was made by not saying that the luncheon ticket prices would be raised from \$5 to \$6.

A ballot will be sent to the membership regarding increased sustaining membership dues. Chester McWhorter should make up the ballot and explain why needed. Don Davis moved that we include in the ballot to the membership a \$10 increase in dues if registration is done at the meeting and not by preregistration. Jerry Weber seconded. This would be refunded by Secretary-Treasurer if notified prior to the meetings. This motion passed.

It was suggested that a co-chairman might help make the Graduate Student Program Committee operate more effectively.

Bryan Truelove moved in interest of shortening the banquet by having no banquet speaker that we have to pay expenses for. It was seconded by Don Davis and passed.

The meeting adjourned at 9:45 AM.