

Howard O. L. Green

PROCEEDINGS

Biotechnology & Weed Science

SOUTHERN

WEED

**SCIENCE
SOCIETY**

**37th Annual Meeting
January 17–19, 1984
Hot Springs, Arkansas
SWSPBE 37: 1–452 (1984)**

	Term Expires in
Project (3) <u>Seed and Propagation Beds...</u> Dr. Dean H. Gjerstad, Auburn University, Dept. of Forestry, Auburn, AL 36830.	1985
CATEGORY E - WEEDS OF FOREST AND RANGELANDS	
Project (1) <u>Weeds in Rangeland...</u> Dr. James F. Stritzke, Oklahoma State University, Dept. of Agronomy, Stillwater, OK 74078.	1986
Project (2) <u>Weeds in Forests...</u> Mr. Timothy C. Sharp, E. I. duPont de Nemours & Co., 4280 Jackson Court, Millbrook, AL 36054.	1987
CATEGORY F - AQUATIC WEEDS...Dr. Kenneth A. Langeland, North Carolina State University, Weed Science Center, Box 7627, Raleigh, NC 27695.	1987
CATEGORY G - CHEMICAL AND PHYSICAL PROPERTIES OF NEW HERBICIDES... Dr. Robert M. Hayes, University of Tennessee, West Tennessee Agricultural Experiment Station, 605 Airways Blvd., Jackson, TN 38301.	1987
CATEGORY H - ECONOMIC LOSSES DUE TO WEEDS...Dr. Charles T. Bryson, USDA-ARS, Southern Weed Science Laboratory, P. O. Box 225, Stoneville, MS 38776.	1986
CATEGORY I - WEED SURVEY - SOUTHERN STATES...Dr. C. Dennis Elmore, U. S. Dept. of Agriculture, Southern Weed Science Laboratory, P. O. Box 225, Stoneville, MS 38776.	1985
CATEGORY J - PUBLICATIONS...Dr. James R. Martin, University of Kentucky, West Kentucky Research and Education Center, P. O. Box 469, Princeton, KY 42445.	1987

MINUTES OF SWSS EXECUTIVE SUMMER BOARD MEETING

Arlington Hotel
Hot Springs, Arkansas
July 15, 1983

The summer meeting of the SWSS Board of Directors was called to order at 8:00 a.m. on July 15, 1983. Board members present were: Chester G. McWhorter (President), W. Sheron McIntire (President-Elect), Ronald E. Talbert (Vice President), Lawrence R. Oliver (Secretary-Treasurer), Larry R. Rogers (Editor), John E. Gallagher (Past President), Claude J. Cruse (Business Manager), Gene D. Wills (Constitution and Operating Procedures), and Ford L. Baldwin (Local Arrangements Chairman and CAST Representative).

The Secretary-Treasurer reviewed minutes of the Change-Over Board meeting. McWhorter stated that he had checked with the Iowa State Library about maintaining the historical records for the Society. The actual transfer of records will be coordinated with the Archivist.

Baldwin (Local Arrangements Chairman) stated that the Arlington Hotel and Majestic Hotel have committed 450 and 200 rooms, respectively until 3 weeks before the annual meeting. The room rates of the Arlington will be \$40 single and \$52 double. The Majestic manager will be sending a letter concerning student housing rates. There will be only one reservation card for the meeting with members spending the entire time at the meeting getting preference at the Arlington. The other hotels in Hot Springs will not be blocked for the meeting. The Society needs 2,000 reservation cards for mailing. The Arlington has 21 suites for industry. The Newsletter will state that interested companies should contact John Burford directly for a suite. Burford will tell each person what size suites are available and what the costs are for catering services. Audio visual equipment will be handled in the following manner: projectors will be provided by the membership, screens will be provided by the hotel for \$105, podiums and mikes will be provided by the hotel, and neck mikes will be provided by the hotel for \$5/day. The Newsletter will contain airline and limousine travel services available. Plus, a limousine schedule card from Little Rock to Hot Springs will be mailed out to the membership. A bulletin board will be placed in the lobby so that the membership can arrange rides to and from the Little Rock airport. The Local Arrangements Committee will have up to \$250 to obtain a luncheon speaker. The luncheon menu was determined and the price/person will be \$10. The ladies program will consist of a room and coffee and rolls each day. A list of potential activities will be made available and then interested ladies can sign up and pay for the activity if necessary which will allow the Local Arrangement person to arrange for the activity.

The preregistration information should be to the Business Manager's office by September 1 so that the information can be sent to both voting and inactive members (attended meeting in last 4 years).

The general session program was discussed by McIntire. The theme will be "Biotechnology and Weed Science" with two to three speakers which would mean starting the meeting at 8:00 a.m. The new policy of no other functions during the meeting was discussed and McIntire will write a Newsletter article stating the new policy. The graduate student winners' presentations on Thursday were again discussed and everyone felt the presentations were an excellent idea.

Las Vegas night was discussed. Mobay stated that they did not want to be in charge of the function because of an individual's actions last year. The chip and money policies were discussed. Baldwin moved and Gallagher seconded that Mobay be encouraged to continue sponsoring Las Vegas night with SWSS Business Manager handling all money and chips. Motion passed. The Local Arrangements Committee will also provide assistance. The possibility of having a security guard was discussed. No one will be allowed into the room unless they have a SWSS name tag. The price of the second bag of chips will be set by the Business Manager. The possibility of limiting prizes to one per member was discussed. There will not be a problem with planned gambling activity in Hot Springs. Baldwin also mentioned the possibility of changing format to horse racing. Las Vegas night will be listed in the program at a later starting time of 9:00 to 11:00 pm. McWhorter will write MoBay stating Board's actions and asking for their sponsorship again this year.

Talbert will check on the possibility of obtaining free wine and cheese for the graduate student reception.

Gallagher asked about the possibility of utilizing a portion of the display area for Weed Contest pictures. He will contact Walker for photos and advice.

McWhorter discussed the price of printing the SWSS Newsletter. Oliver moved and Rogers seconded that the Business Manager be in charge of printing the Newsletter for continuity and for cheaper printing costs, but maintaining the same format and at least equal quality of paper and printing. Motion passed. Information will have to be sent to the Business Manager by August 1 for layout and printing so that August 15 mailing deadline can be obtained. Correspondence between Business Manager and Newsletter Editor should be done by Federal Express if quick turn around time is required.

The Weed ID leaflet idea of the Weed ID Committee was discussed by McWhorter. The committee wants a distinctive format and A.W. Evans has agreed to supply exceptionally high quality photographs. The committee already has photographs of over 30 weeds at various stages of development. The printing cost will likely be over \$900/weed for 10,000 copies of which \$500 will be for initial plates. McIntire moved and Talbert seconded that SWSS proceed with publication and that Business Manager obtain cost estimates by the next Board meeting. Motion passed. The exact format and cost estimates will be sent out to the Board 1 month prior to the annual meeting. The possibility of industry support was discussed but we will need to have the actual costs before making industry contacts.

A letter from Hoagland requesting \$900 for travel and computer indexing of the 40 year Cumulative Index of SWSS Proceedings was discussed. Rogers moved and McIntire seconded that Hoagland and Williams be allowed to spend \$900 and continue working on the 40-year Cumulative Index of the SWSS Proceedings. Motion passed.

Progress on the revised Methods Manual was discussed. Rogers will contact Camper concerning a series of deadlines and a report at the annual meeting.

Cruse presented the finance report stating that the Society lost \$3,569 at the annual meeting but finished the year with a \$2,031 gain. The new fee structure should continue to insure the Society of a sound financial base. He stated that the Proceeding is now costing approximately \$10/copy. The Graduate Student program expenses were again discussed. McIntire moved and Wills seconded that students no longer receive a copy of the Proceedings with \$10 registration fee. Motion passed. Oliver will write an article stating the new policy for the Newsletter.

The following areas were clarified or corrected in the MOP by Wills.

1. Page 39, Item 5 under Southern Weed Contest Committee. It is assumed here that the Society will draw interest on unused Weed Contest funds. Everyone agreed.
2. Page 15, Item 2 under Business Manager. Two separate mailing lists are maintained (1) for voting (attended last meeting) and late registration members and (2) pre-registration, voting, late registration members, and inactive members (attended meeting in last 4 years).
3. Page 14 under Editor. Delete duties 2, 6, 8, and 9.
4. Page 20, Item 1(b) under Awards Committee. Funding for the Weed Contest of Year Award does come from general fund but will eventually be funded through Endowment Fund.

Gallagher discussed getting qualified members nominated for Awards. He will write an article for the Newsletter asking for Award nominations.

Baldwin asked about officer nomination procedures since 7 new officers will be elected this year. Gallagher volunteered to write a Newsletter article to outline officer nomination procedures.

Meeting was adjourned at 12:03 pm.

Respectfully submitted,

Lawrence R. Oliver, Secretary-Treasurer

MINUTES OF SWSS EXECUTIVE BOARD MEETING

Arlington Hotel
Hot Springs, Arkansas
January 16, 1984

The Executive Meeting of the SWSS Board of Directors was called to order at 1:40 pm on January 16, 1984. Board members present were: Chester G. McWhorter (President), W. Sheron McIntire (President-Elect), Ronald E. Talbert (Vice-President), Lawrence R. Oliver (Secretary-Treasurer), Larry R. Rogers (Editor), John E. Gallagher (Past-President), Elmer L. Ashburn (Member-at-Large), Homer M. LeBaron (Member-at-Large), Ray B. Cooper (Member-at-Large), Charles R. Swann (Member-at-Large), Claude J. Cruse (Business Manager), Ford L. Baldwin (CAST Representative), Harold D. Coble (WSSA Representative), and Gene D. Wills (Constitution and Operating Procedures).

The Secretary-Treasurer reviewed minutes of the Summer Board meeting and presented the Treasurer's report. The Society has \$73,689 in total assets and liabilities as of May 31, 1983 and had a net earnings of \$2,031 for the year. The MOP needs to state that letters reminding companies of their support for award programs needs to be sent by early April. Wills moved and LeBaron seconded that the minutes and Treasurer's report be approved as read. Motion passed.

Cruse stated that SWSS has 1,041 active and 694 inactive members. Income from the 1983 Proceedings was \$1,651.19 with 1,350 copies sold at a cost of \$13,368.64 and 1983 Research Report income was \$256.90 with 600 copies sold at a cost of \$5,074.47. The Society still has 312 and 111 copies of 1983 Proceedings and Research Reports, respectively.

Baldwin presented the Local Arrangements report. Complementary rooms were a problem because instructions in the MOP do not state who reserves the rooms. The MOP needs to state the order of complementary rooms and that the Local Arrangements Committee will reserve the required rooms. The number of members attending the luncheon must be turned in by the morning before. Also, names of wives for officers and award winners needs to be obtained. MOP should state that the Local Arrangement Committee will provide coffee and donuts for the contest judges.

Baldwin also presented a brief CAST Committee report stating that more individual memberships are needed.

Wills presented the Constitution and Operating Procedures Committee report. Each officer and Committee Chairman received their portion of the MOP in late fall 1982 for updating of duties. The updated MOP was sent out in early August. SWSS members approved the Constitution changes in Article II, Section 1 by 188 to 1 and By-law changes in Article I, Section 1 by 181 to 1. The need for a new Constitution and Operating Procedures Chairman was discussed since Wills was elected to a Member-at-Large position. The decision will be

made at a later date. McIntire moved and Coble seconded that the appointment of the Constitution and Operating Procedures Chairman to a 3-year term be placed under the Board of Directors duties instead of the President. Motion passed.

Gallagher presented the Awards Committee report. The committee recommended that the selection process be reviewed to consider changing the current method of selection to one similar to that of the WSSA where a separate five-person subcommittee is set up for each award. It was still difficult to obtain nominees for awards though articles requesting nominees were placed in both newsletters sent out during the year. The lack of experience on the committee was also mentioned as making the selection process difficult. It was suggested that McIntire work with a committee or appoint a committee to evaluate the awards selection process in the areas of continuity and number of committees or subcommittees, selection of committee members to insure experience and background, and prepare a written report on recommendations prior to the Summer Board Meeting.

The Finance Committee report was presented by McIntire. The Business Manager was asked why books are closed on May 31 each year instead of December 31. Cruse stated that the closing date was for three reasons: (a) all expenses are in for the year by May 31, (b) ease of handling for the Business Manager, and (c) books were previously closed on that date.

The Graduate Program Committee was discussed. University faculty contacts were established and were very successful. A total of 39 papers are entered in the contest and are arranged into five divisions. Forty-one additional papers also are being presented by students. A special section has been initiated to present papers of the first place contest winners, and if time permits, the second place contest winners. A recommendation for the MOP is that the Chairman of the Graduate Program Committee shall be responsible for arranging the contest divisions and placing papers within the various sections. The paper order within the section would still be the responsibility of the Program Chairman. However, if possible, alternating contest papers with contributed papers is desired. This procedure would prevent contestants from the same university competing against each other, permit ease in arranging divisions, and allow time for judges to grade papers. Thus, the Program Chairman will provide the Graduate Program Chairman a copy of title submission forms of all papers entered in the contest prior to arranging the sections. Rogers moved and LeBaron seconded that the recommendations be approved. Motion passed.

39
41
80

Quimby presented the Historical Committee report. The committee has sent archive materials to Iowa State for indexing and eventually checking out. The committee recommends that the MOP be changed so that the Business Manager keep one copy of all publications, financial records, programs, etc. and send them to the Historical Committee Chairman by July 1 each year. The Archivist will now be the Chairman of the Historical Committee. Oliver moved and Swann seconded that the Historical recommendations be approved. Motion passed.

Progress on the third edition of the Research Methods Manual was discussed by Camper. There will be 19 chapters, 6 of which are completed at present, and 1 chapter (Protein and Nucleic Acid Synthesis in Excised Plant Tissues) is in doubt due to illness of the author. He hopes to have a completed draft by July 1 and be published by the Annual Meeting. A discussion of the \$100 honorarium followed. Gallagher moved and Coble seconded that the motion of January 20, 1983 to allow a \$100 honorarium per chapter be withdrawn. Motion passed.

Klosterboer presented the 1984 Local Arrangements Committee report. He reported that a formal contract had not been signed with the Hyatt Regency Hotel in Houston and that the Shamrock Hilton has shown interest in hosting the SWSS. Both hotels submitted contracts. The Shamrock would be less expensive, but everyone could not be housed in the hotel. The Hyatt has nicer rooms and meeting rooms but singles are \$53 and doubles are \$63. Cooper moved and Rogers seconded that in 1985 SWSS go to the Hyatt Regency in Houston. Motion passed. Contracts will be signed and given to the President, Business Manager, and Secretary-Treasurer.

The SWSS Endowment Fund Committee report was presented by Frans. The committee had the following four recommendations. 1) upon approval by the Board, establish an Endowment Fund, 2) investment interest be used to support graduate student programs such as student contest and weed contest, etc., 3) establish a non-profit organization to manage the fund, and 4) establish five-member Board of Trustees to govern fund with ex-officio members of Business Manager, President-Elect, and Secretary-Treasurer. LeBaron asked about funding for the Awards programs, and if the endowment fund could also be utilized. Ashburn moved and McIntire seconded that the report be conditionally accepted, reworked, and voted on at the Summer Board Meeting. Motion passed. To avoid losing another year, Frans will notify the membership that SWSS has an Endowment Fund and ask for donations at the Business Meeting.

Patterson presented the Terminology Committee report. The committee reviewed the 1983 Proceedings and found many inconsistencies in weed and chemical names and metric units. They recommended establishment of an Editorial Review Committee which would be responsible for reviewing abstracts and full-length papers to be published in the SWSS Proceedings. The Board felt that the review process would slow down publication of Proceedings, and papers would have to be turned in much earlier. The Board took no action on the recommendation.

French presented the Placement Committee report and stated that a more private room was needed and had moved to another room. Also, the committee has sent placement forms to WSSA Placement Service.

Gallagher stated in the Nominating Committee report that getting members to nominate potential officer candidates was still difficult. Also, only 267 members returned ballots. Candidates were called and notified of election results by either the Chairman or Secretary-Treasurer. The MOP needs to state that the Chairman of the Nominating and Awards Committee and the Secretary-Treasurer should

notify each candidate of their election or selection prior to the Annual Meeting. Oliver moved and Wills seconded that the report be accepted. Motion passed.

It was also brought to the Board's attention that a new board member will have to be appointed for the last year of LeBaron's Member-at-Large (Industry) position. Gallagher was appointed to present two names for the position and a recommendation for Newsletter Editor at the Change-over Board Meeting.

No action was taken on the Newsletter Committee report.

Talbert presented the Research Committee report. The Research Report was 18 pages larger than last year's because of additional contributions in sections not scheduled to be reported this year. The MOP should refer to schedule of full reports in previous Research Reports so that proper sequencing will be maintained. Swann moved and Rogers seconded that the report be approved with changes in MOP. Motion passed.

McIntire, Chairman of Program Committee, stated that the number of papers presented in 1983 were down 55 from 1982. However, the graduate student program and awards luncheon program went much smoother and all mailing dates were met.

Peeper presented the Resolution and Necrology Committee report and stated that his committee knew only of Tom McCutchen's death. Gallagher stated that he knew of the death of Jack Taylor and John Steenis. No resolutions were presented.

The Sustaining Membership Committee report was reviewed and no action was required.

Elmore presented the Weed Identification Committee report. The cost for printing 10,000 ID sheets of each weed will be approximately \$1,500 per weed. The committee has photos of 40 weeds completed with 20 more presently being photographed. The tremendous investment and quality control was discussed. Coble moved and Rogers seconded that 1,000 pre-publicity ID packages consisting of desirable prints of one grass and one broadleaf weed and an order form be sent to sustaining members, universities, and extension personnel. Motion passed. A Pre-publication and Advertising Committee also needs to be appointed. This committee also needs to evaluate methods of packaging the Weed ID sheets.

The Display Committee report was given by Banks and the idea of a certificate of merit being awarded to the outstanding educational display was discussed. McIntire moved and Wills seconded that the changes listed below be made in the MOP. Motion passed.

"During the first day of the meeting, the committee will judge all educational displays for innovation, appeal, and usefulness to the audience for which the display is intended. The best display, as

deemed by the committee, will be recognized at the awards luncheon and a certificate of merit will be presented. If it is deemed by the committee that none of the displays meet the standards of merit deserving of special recognition, then no award will be made that year. Also, if more than one display is deserving of recognition, then at the discretion of the committee chairman, more than one award may be given."

Coble presented the WSSA Representative report and no action was requested.

Rogers presented the Editor's report and stated that the 1983 Proceedings was sent to the membership in early May. The Proceedings cost \$8.52 per copy not including postage cost. Also, there has been a steady increase in size and cost of the Proceedings each year. The membership needs to vote on By-law changes in Section 5 under a and d in the Editor's duties. LeBaron moved and Swann seconded that the changes in the Editor's duties in the MOP be approved. Motion passed.

The Cumulative Index is progressing and should be completed prior to the 40th meeting. Rogers moved and Oliver seconded that the meeting be adjourned at 5:42 pm. Motion passed.

Respectfully submitted,

Lawrence R. Oliver
Secretary-Treasurer

FINANCE COMMITTEE REPORT--Presented by W.S. McIntire

As of this date this Society has not reached the goal of maintaining cash reserves equal to 2 years operating expenses of about \$160,000. The actual loss at last year's Annual Meeting was \$4,002.65. The Board of Directors at the last Annual Meeting (1983) took the following steps to help insure the financial health of the Southern Weed Science Society.

1. Registration fees increased to \$40.00 for regular members who register at the annual meeting and \$30.00 for regular members who preregister for such meeting.
2. Require \$10.00 registration fee from graduate students for Annual Meeting.
3. Require \$10.00 registration fee from spouses for Annual Meeting.
4. Require business manager to set fees on all publications sold by the SWSS with a 25% mark-up above the cost of publishing, handling, and mailing of those publications.
5. Both the Research Methods Manual and the Index of the proceedings are being revised as future sources of new income.
6. An Endowment Fund is being established as a long-term income source for the SWSS.
7. A \$10.00 membership fee is being offered to previous SWSS members who did not attend the most recent meeting.

Respectfully submitted,

S.O. Duke L.R. Oliver
C.W. Swann R.L. Rogers
W.S. McIntire, Chairman

GRADUATE PROGRAM COMMITTEE REPORT--Presented by T.J. Monaco

A total of 39 graduate student papers were entered into the contest. These were divided into five divisions (two each in Sections I and VI; one in Section II). No more than two students from the same university competed in the same division. Graduate student papers were alternated with contributed papers thereby allowing judges more time to complete their evaluations. Judges worksheets were revised in an attempt to provide students more feedback on their presentations. Twenty-five SWSS members volunteered to serve as judges; these individuals were recruited from judges who served in that capacity at the 1983 meeting.

In addition to papers entered in the contest, there were 41 papers presented by graduate students under the auspices of the graduate program. Contestants and non-contestants received an invitation to the Graduate Student Reception, complimentary ticket to the SWSS Awards Luncheon, and were eligible for free housing. Faculty contacts at each of the participating universities facilitated housing arrangements and assisted in alerting students to deadlines.

First place and second place awards of \$50 and \$30, respectively, were given in each of the five divisions. First and second place winners in each division presented their papers in Section X on Thursday morning. Winners of the respective divisions were:

DIVISION I A - AM (Agronomic Crops)

- 1st Place E.J. Stamm and L.R. Oliver, University of Arkansas, Fayetteville, AR - An economic evaluation of entireleaf morningglory control in soybeans.
- 2nd Place D.L. Colvin, G.R. Wehtje and M.G. Patterson, Auburn University, Auburn, AL - Weed management in minimum tillage peanuts as influenced by variety, row spacing, and herbicide.

DIVISION I B - AM (Agronomic Crops)

- 1st Place J.A. Mills and T.F. Peeper, Oklahoma State University, Stillwater, OK - Effects of no-till wheat on productivity of marginal pastures.
- 2nd Place L.W. Wells and R.H. Walker, Auburn University, Auburn, AL - Bristly starbur interference and control in soybeans.

DIVISION II - AM (Horticultural Crops)

- 1st Place R.L. Cantrell, D.M. Flinchum and D.G. Neary, University of Florida, Gainesville, FL - The effects of eight herbicides on turkey oak topkill and sprouting.
- 2nd Place D.J. Doohan, T.J. Monaco, T.J. Sheets, and R.B. Leidy, North Carolina State University, Raleigh, NC - Residue and efficacy of fluzifop-butyl in strawberries.

DIVISION VI - AM (Physiology)

- 1st Place T.F. Bregger, J.B. Weber, and R.B. Leidy, North Carolina State University, Raleigh, NC - Determination of dinitroaniline herbicides by GLC.
- 2nd Place J.M. Shribbs and W.A. Skroch, North Carolina State University, Raleigh, NC - Response of apple seedlings to several soil management systems.

DIVISION VI - PM (Physiology)

- 1st Place R.L. Ratliff, T.F. Peeper, T.G. Wheless, and E. Basler,
Oklahoma State University, Stillwater, OK - Metabolism of
metribuzin by two winter wheat cultivars, TAM W 101 and
Vona.
- 2nd Place P.H. Munger, J.R. Gipson, Texas Technical University, and
J.R. Abernathy, Texas Agricultural Experiment Station,
Lubbock, TX - The influence of selected plant residues on
the germination and development of cotton and sorghum.

Respectfully submitted,

Barry Brecke Mary Ketchersid
Michael Edwards Paul Zorner, Co-Chairman
C. Michael French Tom Monaco, Co-Chairman

HISTORICAL COMMITTEE REPORT--Presented by P.C. Quimby, Jr.

The Board of Directors of the SWSS voted to have the Archives of the Society turned over to the library at Iowa State University for indexing, cataloging, and future storage. Accordingly, the Historical Committee transferred all records on hand (190.5 lbs) to Dr. Stanley Yates, Dept. of Special Collections, Iowa State University Library, Ames, Iowa 50011, (AC 515)294-6672. Dr. Yates has agreed to archive these records since their Dept. of Special Collections provides this service to professional agricultural societies. It has been recommended to the Board of Directors that the Manual of Operating Procedures (MOP) be amended to require the SWSS Business Manager to transmit copies of society documents annually to the Chairman of the Historical Committee, who will in turn transfer the documents to the Dept. of Special Collections, Iowa State University.

Respectfully submitted,

Howard A. Greer
Frederick T. Corbin
Harold R. Hurst
P. C. Quimby, Jr., Chairman

The results of our most recent election shows that those elected were:

Vice President	Homer LeBaron
Secretary/Treasurer	William Witt
Editor	Michael French
Member at Large Public Sector	Gene Wills
Member at Large Industry Sector	John Taylor
Cast Representative	Wayne Houston
WSSA Representative	J. Mike Chandler

Respectfully submitted,

W. A. Skroch
C. W. Derting
C. T. Lichy
E. L. Ashburn
S. J. Locasscio
J. E. Gallagher, Chairman

PLACEMENT COMMITTEE REPORT--Presented by C. Michael French

The Placement Service had a total of 55 individuals desiring positions and 18 positions available. Of the individuals desiring positions, there were 8 B.S., 23 M.S., and 25 Ph.D. graduates. Of the 18 positions available, 6 were graduate assistantships and 12 were professional positions. A message file system was used for communication between interested parties during the SWSS annual meeting. All positions desired and positions available forms were passed on to the Placement Service of the Weed Science Society of America.

Respectfully submitted,

Mark C. Boyles
Tomie J. Runyan
Allison H. Tally
W. Eugene Thilsted
Laura L. Whatley
C. Michael French, Chairman

SOUTHERN WEED CONTEST COMMITTEE REPORT--Presented by R.H. Walker

The Fourth Annual Southern Weed Contest was held July 11, 12, and 13, at the Union Carbide Agricultural Products Co., Inc. Research Station at Clayton, North Carolina.

Participating in the contest were teams from the following universities: Arkansas, Auburn, Clemson, Florida, Georgia, Louisiana State, Mississippi State, North Carolina State, Tennessee, and Virginia Polytechnic Institute and State University.

Winning teams and individuals were as follows:

Team Awards: 1st Place - University of Arkansas
 2nd Place - North Carolina State University
 3rd Place - University of Florida

Individual Awards: 1st Place - Rex Liebl
 North Carolina State University
 2nd Place - David Monks
 University of Arkansas
 3rd Place - Bill Henry
 Virginia Polytechnic Institute
 and State University

Individual plaques and cash awards were presented to the top three individuals and teams by the North Carolina Commissioner of Agriculture, the honorable Jim Graham. Arkansas also won the privilege to keep the rotating team trophy for at least one year.

Funding for plaques and cash awards was provided as gifts from American Cyanamid, American Hoechst, CIBA-Geigy, Chevron, Dow, DuPont, Eli Lilly, ICI, Mobay, Monsanto, Nor-Am, PPG, Rhone-Poulenc, Rohm and Haas, Stauffer, Union Carbide, and the Alabama and Florida Weed Science Societies. Funding for food, lodging, entertainment, and other contest related expenses was provided by Union Carbide. No funds from SWSS were used for the 1983 contest.

We wish to recognize Union Carbide personnel that were directly responsible for the successful 1984 contest. They were D.W. Brown (Chairman), J.E. Gallagher, S.R. McLane, M.L. Kyle, R.M. See, R.M. Dryden, J.H. Hope, J.E. Fish, J.H. Jones, R. Lockett, and M.A. Ford.

The committee requests 5 minutes be allocated at the 1984 SWSS luncheon to recognize the winners from the 1983 contest and that the list of winning teams and individuals be included in the awards brochure and SWSS proceedings.

Plans for the 1984 contest are incomplete at this time.

Respectfully submitted,

L.R. Oliver P.A. Banks
J.M. Chandler M.L. Kyle
M.G. Patterson W.L. Curry
D.A. Teem, Vice-Chairman
R.H. Walker, Chairman

DISPLAY COMMITTEE REPORT--Presented by P.A. Banks

Invitations to participate in the Display Section for the 1984 SWSS meeting were sent to potential participants and a notice was included in the August issue of the SWSS newsletter. Prior to the meeting, 13 companies and 3 state extension specialists had contacted the display chairman to participate in the Display Section. All had displays at the meeting except for two of the companies. All companies which were not sustaining members were referred to Dr. Robert Dill, Sustaining Membership Chairman, prior to the 1984 meeting. The Board of Directors approved the recommendation of this committee to allow for the recognition of outstanding educational displays at the Awards Luncheon. The first awards will be made at the 1985 meeting.

Respectfully submitted,

Edward C. Murdock Ted Whitwell
Barry Brecke Eddie Jolley
Philip A. Banks, Chairman

ENDOWMENT FUND COMMITTEE REPORT--Presented by Bob Frans

During this past year this committee, through correspondence, has developed further the possibility for establishing a vehicle to allow for donations to the Society in support of the educational endeavors of SWSS. Procedures followed, potential actions to be taken, and objectives have been presented to the Board of Directors. Basically, the Board has endorsed the concept of creating a fund for the support of the Graduate Student program of SWSS, and to seek special contributions to this fund, the idea being that, as this fund grows through the years, the proceeds from its investments will be available for supporting this effort. The Board has requested that this committee develop the concept further and determine the best mechanism to be utilized serving the concept. Our work in the next few months will be to present a finalized plan with recommendations for establishing the endowment program and covering all legal aspects for the Society.

Respectfully submitted,

Charles Moore Homer LeBaron
Bob Colby Howard Greer
Morris Merkle John Gallagher
Bob Frans, Chairman

Minutes of the SWSS Executive

Change-Over Meeting

Arlington Hotel
Hot Springs, Arkansas
January 19, 1984

The change-over meeting of the SWSS Board of Directors was called to order at 8:00 am on January 19, 1984. Present were W.S. McIntire (President), R.E. Talbert (President-Elect), H.M. LeBaron (Vice-President), W.W. Witt (Secretary-Treasurer), C.G. McWhorter (Past-President), C.M. French (Editor), G.D. Wills (Member-at-Large), C.W. Swann (Member-at-Large), D.W. Houston (CAST Representative), and Claude Cruse (Business Manager).

President McIntire asked P.S. Zorner, Graduate Student Program Chairman, for a report on the graduate student paper contest. Zorner reported no major complaints or problems with the 1984 contest. He did ask that changes in judging criteria made this year be included in the Manual of Operating Procedures. It was also reaffirmed that a graduate student can win a first place award one time only. A problem in distributing graduate student luncheon tickets was reported by Cruse. After much discussion, it was decided that the university contact person be responsible for distributing tickets to all graduate students from that state. These tickets would be picked up at the registration desk from the Business Manager.

McIntire raised the question of graduate student members serving on committees. According to the SWSS constitution they can.

The summer Board of Directors meeting was set for June 29, 1984 at Houston, TX.

President McIntire indicated he will appoint Tom Peeper as SWSS Newsletter editor.

The Endowment Committee will report at the summer Board meeting on final arrangements for implementing the Endowment Fund.

A discussion on developing a Weed Identification publication was held. French moved and Talbert seconded that a market survey committee be appointed and the survey completed by the summer Board meeting. Motion passed. A decision on financing this publication will be made by the Board at the summer meeting.

A discussion about the Awards committee and selection of award winners was held. Concern was expressed that such a large task was placed on only a few members of the Society. McIntire appointed McWhorter, LeBaron, Oliver, and Gallagher (Past-President) to study the award selection process and report at the summer Board meeting.

P.C. Quimby brought a suggestion before the Board to include biological weed control in the title of a program section. McWhorter moved and LeBaron seconded to change Sec. V to read:

Biological Weed Control, New Weed Problems, and Aquatic Weed Control. Motion passed. Quimby agreed to develop an article on this section for the SWSS Newsletter.

Discussion of the site selection and a joint meeting with WSSA at the 40th annual meeting resulted in the recommendation by the Board to invite charter members, past presidents, and Distinguished Service Award recipients of the SWSS to the 40th annual meeting. In addition, it was suggested to invite officers of WSSA, NCWCC, NEWSS, and WWSS to this meeting. Concern was expressed by several Board members about a joint meeting with WSSA and it was decided to continue developing plans for the 40th meeting without a joint meeting.

LeBaron reported on progress made appointing members to the Research Committee.

Swann moved and French seconded that Wills be chairman of the Constitution and Operating Procedures Committee. Motion passed and Wills accepted a 3-year term.

Roland Cargill of Rhone-Poulenc was elected by the Board to fill the unexpired (1-year) term of LeBaron as a Member-at-Large (Industry) on the Board.

President McIntire expressed his appreciation to Business Manager Cruse for his efforts at this annual SWSS meeting.

It was the concensus of the Board that the Las Vegas night activity needed more publicity. McWhorter agreed to write an article for the SWSS Newsletter explaining its operation and how the proceeds benefit the SWSS. President McIntire indicated he would write a letter of appreciation on behalf of SWSS to Mobay for their efforts on this event.

Suggestions for the 1985 program included: (1) attempt to arrange the program by time of each paper in addition to section, (2) include an author index, (3) include graduate student reception in body of the program, and (4) have the graduate student reception a more formal gathering with introductions of SWSS officers and industry personnel. Program chairman Talbert agreed to consider these suggestions. McIntire stated he would also work on the graduate student reception and would call on the graduate and industry committees for assistance.

L.R. Oliver (Past Secretary) suggested that a list of proposed changes in the MOP be available to the Board to facilitate Board action. These changes should be circulated to the Board by the Secretary prior to Board meetings.

Program chairman Talbert briefly discussed program items for the 1985 annual meeting. He will present to the Board at the summer meeting a tentative program. Also, he will write all section chairmen informing them that graduate student contest papers come from the graduate committee chairman. The order of appearance of papers in each section will still be the responsibility of the section chairmen.

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A change in the MOP approved by the Board designates the Chairman of the Historical committee as the Archivist. Another change in the MOP will allow members to present more than one paper in Sec. II, Weed Control in Horticultural Crops.

A short discussion of the Displays was held. It was agreed by the Board that more publicity is needed and a request of Display chairman Banks to write an article for the SWSS Newsletter.

Wills moved and Chandler seconded that the meeting be adjourned at 11:00 am. Motion passed.

Respectfully submitted,

William W. Witt
Secretary-Treasurer

THE BASE FOR THE FUTURE OF THE SOUTHERN WEED SCIENCE SOCIETY. C. G. McWhorter, President, SWSS; U.S. Dep. of Agriculture, Agricultural Research Center, Southern Weed Science Laboratory, Stoneville, MS.

A recent compilation of National Research Priorities for the Food and Agricultural Sciences in the United States includes basic biotechnology research as the No. 1 priority (1). Thus, it is appropriate that the Program Committee selected "Biotechnology and Weed Science" as the theme for the 1984 program of the Society. As we enter the new era of biotechnology, it is fitting to consider not only the role of weed science, but that of the Society in coping with this new era. Will the Southern Weed Science Society be able to perform its primary mission in the present and future decades with so many challenges and changes? This is discussed from two different perspectives, including (a), present activities and financial needs of the Society; and (b), future directions for the Society.

Weed scientists in general, and more specifically, those in our Society, have always felt that they were living in an age of change. This is demonstrated by reviewing Presidential Addresses made before the Society for the last 35 years. Practically all of the earlier Presidential Addresses related to changes and challenges, such as that by Dr. W. C. Shaw, who served as President in 1955, who spoke on "Weed Control, the Challenge of a New Scientific Discipline" (2). A few of the Presidential Addresses within the last decade also express the need for our Society to accept new challenges. These include the addresses by Dr. Joe Orsenigo, "Weed Science in the Future" (3); "Comments on the Near Future in Weed Science," by Dr. Paul Santelman in 1976 (4); "Weed Science--the Unfinished Discipline," by Dr. Gale Buchanan in 1978 (5); "Keeping Pace is not Enough," by Dr. Cleston Paris in 1979 (6); "Ties that Bind, Bend," by Dr. Morris Merkle in 1980 (7); and "Reach Out," by Dr. John Gallagher in 1983 (8). Each of these addresses was concerned with our ability as a Society to cope with future challenges. This concern is still appropriate in 1984.

The primary purpose of the Society, as stated in the Preamble to the Constitution, is two-fold: "(a)--exchange ideas, experiences, opinions, and information; and (b)--plan means of securing more adequate weed control through more and better correlated and coordinated efforts on weed research and control by Federal, State, and local public or private agencies." Our annual program fulfills much of this challenge, but we have many other activities that go beyond our annual meeting. These include our student programs, publication efforts, and involvements with other organizations. Our ability to meet these challenges is based on sound finances.

The Society's financial needs are often poorly understood by a portion of the membership, so it is appropriate to discuss the financial needs of the Society and the need for a sound financial base. The total net worth of the Society at the end of our last fiscal year was about \$73,000. A few members have felt that the Society has attempted to accumulate too much money and that our "extra monies" should be returned to the membership through reduced registration fees. In actuality, the Society has never met the financial goal, expressed in the Manual of Operating Procedure (MOP), of "--maintaining cash reserves approximately equal to two years' operating expenses." This

goal was possibly included in the MOP in the mid 1960's, when the cash assets of the Society reached an all-time low of \$31 (9). During those chaotic financial years of the 1960's, individual members of the Society, such as Don Davis, Hanley Funderburk, and others, had to borrow several thousand dollars to permit the Society to print the Research Report and the Proceedings. None of our members want to return to those days when individual members needed to borrow money to support the activities of the Society.

The operating expense of this Society during this last complete fiscal year (which ended May 31, 1983) was a little less than \$50,000; our total income during this fiscal year was slightly over \$51,000. This left the Society with net earnings of about \$1,700. If it is assumed that the Society could always realize a net earning of about \$2,000 per year, then a two-year operating reserve of about \$100,000 could be achieved within the next 13 to 15 years. This is not a practical assumption, however, because costs such as printing, postage, insurance, along with many other expenses, continue to increase. The estimated annual operating budget of the Society in about 15 years will be more than \$100,000, even if the cost of operating the Society increases at a rate of only 5% per year. This will result in the need for a net worth of about \$200,000 for us to have a two-year operating reserve.

The Society must make a commitment to increase its earnings at a faster rate if we are to provide a two-year operating reserve to protect us against a financial disaster. Such a financial disaster could occur if an ice storm began a day or two before the meeting and extended through the early part of the meeting. Much of our income is from the registration fee at our annual meeting. A natural disaster of this type would eliminate more than 60% of the annual income of the Society for that year, without having much effect on expenditures.

In the 1982-83 fiscal year, 28% of the Society's income was from the sale of Proceedings, mostly at the annual meeting; 22% was from that part of the registration fee set aside to conduct the annual meeting; 8% was from membership dues, which also is a part of the registration fee. The remaining monies came from contributions by sustaining members (17%); earnings on investments (11%); sale of the Research Reports, (9%); and from sale of the Research Methods Manual, (4%).

Many different expenditures are incurred by the Society, seven of these consume most of the Society's income. The actual operation of our annual meeting uses nearly a third of our budget (31%). Publication of the Proceedings accounts for 27%, and 10% of our expenses are for printing and mailing of the Research Report. Four other items, travel, postage, management fees, and the SWSS Newsletter, each require from 3 to 5% of our total funds each year. These items represented more than 85% of our total expenditures during the 1982-83 fiscal year.

The financial condition of the Society should improve during the next few years. Actions taken by the Board of Directors and later by the membership of the Society at the 1983 Business Meeting have resulted in increased registration fees in several categories. The increase in registration fees to members should increase income by \$6,000-8,000 annually. The increase in