EDITED MINUTES OF THE 69th ANNUAL MEETING OF THE FLORIDA ENTOMOLOGICAL SOCIETY

The 69th Annual Meeting of the Florida Entomological Society was held at the Sheraton Sand Key Resort, Clearwater, FL, August 5-8, 1986. The Preliminary Business Meeting of Society Officers and Committee Members was held on August 5, 1986. The meeting was called to order at 7:00 p.m. by President Dale H. Habeck. The nine members present did not constitute a quorum; therefore, although several committee reports were presented, no business of the Society was transacted. It then was decided that the pertinent business and committee reports would be presented on August 8, 1986, at the closing session of the meeting.

The opening session of the FES Annual Meeting was called to order by President Habeck at 8:30 a.m., August 6, 1986. The invocation was offered by Dr. Howard V. Weems, Jr. The welcome was by Mr. Lee Regulski, Commissioner, City of Clearwater.

President Habeck then delivered the Presidential Address. The symposium "The Environmental Intoxication of Florida" followed with Mr. Henry F. Swanson, retired Orange County Florida Extension Director, giving the keynote address: "The Impending Crisis of Florida's Ground Water Resources." Invitational papers also were presented by Mr. Frank L. Wilson, Director, Polk County Florida Environmental Services, "The Environmental Impact of Management Systems in Polk County;" Dr. G. Ronnie Best, Ecologist and Associate Director, Center for Wetlands, University of Florida, "Discharge of Wastewater to Florida Wetlands: An Evaluation of Alternatives;" Mr. Charles Lee, Sr. Vice-President, Florida Audubon Society, "Environmental Concerns of the Florida Audubon Society;" and Ms. Colleen O'Sullivan, Chairperson, Florida Chapter, Sierra Club, "Environmental Concerns of the Sierra Club." D. J. Schuster presided over the Symposium's afternoon session. Poster and commercial exhibits were set up in the Bay Room and were available for viewing throughout the day. A "meetand-greet-your-fellow-members-and-guests" social at poolside Wednesday evening concluded the day's activities.

The Thursday morning program began with the presentation of submitted papers (8:00 to 11:00 a.m.) in concurrent sessions presided over by L. E. Beasley and J. M. Nation. The Student Paper Contest was held from 11:00 to 11:40 a.m. The Behavioral Ecology Symposium, Earl McCoy presiding, was held Thursday atternoon. Thursday evening began with a Social Hour at 6:30 in the Grand Ballroom, followed by the Annual Awards Banquet. President Habeck presented awards to the following members:

Awards of Merit: Dr. Frank W. Mead

FDACS, DPI Gainesville

Insect Acoustics Research Group¹

USDA, ARS Gainesville

Annual Achievement Award for Extension: Richard K. Sprenkel¹

North Florida REC

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Annual Achievement Award for Research: Billy R. Wiseman¹

USDA, ARS Tifton, GA Annual Achievement Award for Teaching:

John R. Strayer¹

University of Florida

Gainesville

Entomologist of the Year:

Dan L. Shankland¹ University of Florida

Gainesville

\$500 FES Scholarships:

David A. Rider

Louisiana State University

Nancy Pencoe

University of Arkansas

Gary N. Fritz University of Florida

Winners in the Student Contests were:

Poster Section:

First Place—\$125 Richard Kramer

Dept. of Entomology & Nematology

University of Florida

Second Place—\$75 Brian Witz

Biology Department

USF

Third Place—\$50 Bernard Kaiser

Biology Department

USF

Paper Contest:

First Place—\$125 Andrew Gannon

Zoology Department University of Florida

Second Place—\$75 Michael Antolin

Department of Biological Sciences

FSU

Friday morning began with a symposium on the imported fire ant, D. F. Wiliams presiding. The 69th Annual Meeting concluded with the Final Business Meeting. Three symposia were held and 35 papers and 7 posters were presented during the 2 1/2 day meeting.

¹Write-ups on recipients are cited under report of Honors and Awards.

Minutes—69th Annual Meeting

Report of the Business Manager July 1, 1985 to June 30, 1986

RECEIPTS:			
Membership	\$15,545.00		
Subscriptions	5,864.00		
Annual Meeting	5,870.00		
Interest Earned	1,085.38		
Back Issues	74.50		
Refunds	(40.00))	
Miscellaneous	11.00		
Contributions	60.00		
Entomology Directories	234.50		
TOTAL RECEIPTS:			\$28,704.38
EXPENSES:			
Office Expense	326.60		
Telephone	148.90		
Postage	408.13		
Contract Labor			
J.M.	1,200.00		
A.K.	4,199.91		
Travel Expenses	332.42		
Contributions to Fla. 4-H Foundation	600.00		
Grants and Scholarships	1,500.00		
Journal Printing	4,814.72		
Editing Expenses	573.16		
Dues & Subscriptions	75.00		
Bank Charges	109.20		
Annual Meeting	7,880.40		
Miscellaneous	71.34		
Student Travel—1985 Meeting	2,409.98		
Entomology Directories	1,841.28		
TOTAL EXPENSES			\$26,491.04
NET GAIN			\$ 2,213.34
Assets:	MEMBERSHIP:		
Petty Cash \$100.00	Full	488	
Cash in Bank <u>18,487.02</u>	Student	89	
TOTAL ASSETS: $\overline{18,587.02}$	Sustaining	_42	

REPORT OF THE FISCAL COMMITTEE

 $\overline{619}$

The financial records of our business manager, Ann Knapp, were examined and found to be in good order. Ms. Knapp is commended for excellent record keeping. However, because none of the Fiscal Committee members have any fiscal or accounting training, the Committee recommends that the Society consider having the books audited by a CPA every 2 to 3 years.

O. Sosa, Jr., Chairperson; J. Bosworth; J. Price

REPORT OF THE PROGRAM COMMITTEE

The 1986 Program Committee met on three occasions; the first meeting was held in early February at the Ben Hill Griffin Conference Center, Citrus Research & Education Center, Lake Alfred; and two meetings was held in late April and late June, in the offices of J. H. Frank, Archer Road Annex, University of Florida, Gainesville.

The general format of the 1986 program was tentatively established during the first meeting at Lake Alfred. It was agreed that we would have three symposia; one dealing with the environmental intoxication of Florida, a second with behavioral ecology, and a third with the red imported fire ant in Florida. The remainder of the program consisted of submitted papers presented in two concurrent sessions.

James Taylor took responsibility for the Environmental Symposium, Earl McCoy took responsibility for the Behavioral Symposium, and Dave Williams chaired and was responsible for the Red Imported Fire Ant Symposium.

An effort was made to encourage poster displays and greater participation by offering the sustaining membership free booth space for commercial displays in the Exhibit Hall.

The program was finalized and the printed program was mailed to the entire membership during the first week in July.

The program was held during the Annual Meeting of the FES on August 5-8, 1986, at the Sheraton San Key Resort in Clearwater Beach, Florida, concluding the activities of the 1986 Program Committee.

J. Taylor, Chairperson; J. Nation; L. Beasley; D. Strong; R. Sprenkel; J. Frank; D. Williams

REPORT OF THE PUBLIC RELATIONS COMMITTEE

Notices of the Annual FES Meeting were sent to the following magazines and journals: Pest Control, Pest Control Technology, Pest Management, P. C. O., Florida Grower and Rancher, Citrus & Vegetable Magazine, The Citrus Industry, Florida Cattleman & Livestock Journal, Farm Chemicals, American Fruit Grower, Agrichemical Age, Ag Consultant & Fieldman, Environmental Entomology, and the Bulletin of the ESA.

In addition, two 1-hour and two 2-hour radio interviews regarding urban entomology in central Florida were conducted live, on the air, in Orlando. Two television interviews were made by an Orlando station and aired on the 6:00 p.m. and 11:00 p.m. evening news programs.

C. WITHERINGTON, CHAIRPERSON; A. KOEHLER; A. WHITE

REPORT OF THE LONG-RANGE PLANNING COMMITTEE

The Committee feels that the FES is being managed properly and that most of the goals of the Society are being met. However, any organization must strive to improve. Towards this end, we submit the following proposals for consideration by Society members and the Executive Committee:

- 1. Establish an endowment fund from which earnings can be used to support scholarships, awards, grants, etc.
- 2. Initiate procedures for an award to scientist(s) publishing the best paper in Florida Entomologist each year. This should encourage members to publish some of their more "prestigious" papers in our journal.

- 3. Re-evaluate the Jamaica Conference to include input from all members, not just those in attendance. This needs to be done prior to any future consideration of meetings in the Caribbean area.
- 4. Appoint a committee to make recommendations on the feasibility of meeting with other societies such as the Florida Pest Control Association, Florida Anti-Mosquito Association, and The Georgia Entomological Society. This idea has been presented by past Long-Range Planning Committees and needs to be pursued or put to rest.
- 5. Establish procedures for the deposit of voucher specimens in a museum of all insects referred to in papers published in Florida Entomologist. This procedure could alleviate problems encountered periodically when closely related or sibling species are involved and when taxonomic names are changed.
- 6. Formulate a policy for donation of scientitic journals and books to be distributed through the Society to libraries in Latin American countries. Reference sources in some of these areas are meager and these journals and books could be a big help to their scientists and students.
- 7. Establish a policy of selecting meeting sites 2 years in advance. This procedure would provide the basis for better long-range planning by the Society and its members.
- C. Lofgren, Chairperson; R. Lipsey; D. Herzog; J. Coffelt; W. Minter

REPORT OF THE MEMBERSHIP COMMITTEE

On April 21, 1986, the Committee contacted 145 members who had not paid their 1986 membership dues. Following this, 26 students and 67 full members were dropped from the FES rolls.

Overall membership for 1986 is down by 83 members from 1985. On July 1, 1986, FES membership was comprised of 488 full members, 89 student members, and 42 sustaining members, for a total of 619 members. In 1985, total memberhip was 702. W. Schroeder, Chairperson; D. Kline; C. Chellman; J. Nation; G. Wheeler; J. Epler

REPORT OF THE SUSTAINING MEMBERSHIP COMMITTEE

The current number of sustaining members stands at 37. This is slightly higher than last year's total. A complete sustaining membership list can be obtained from our Business Manager, Ann Knapp.

T. Couch, Chairperson; R. Johnson; B. Bustillo; F. Van Essen; D. Schuster; M. Wright

REPORT OF THE HONORS AND AWARDS COMMITTEE

Honorary Membership:

At present there are three vacancies in the allotted number of Honorary Members. The Constitution of the FES allows election of two honorary membership in any one year. Therefore, the Committee proposes the nominations of Mr. Allen Selhime and Dr. Reece Sailer.

Scholarship:

Three students were selected from eleven well qualified candidates for the three \$500-scholarships awarded by the FES. These candidates came from nationally recog-

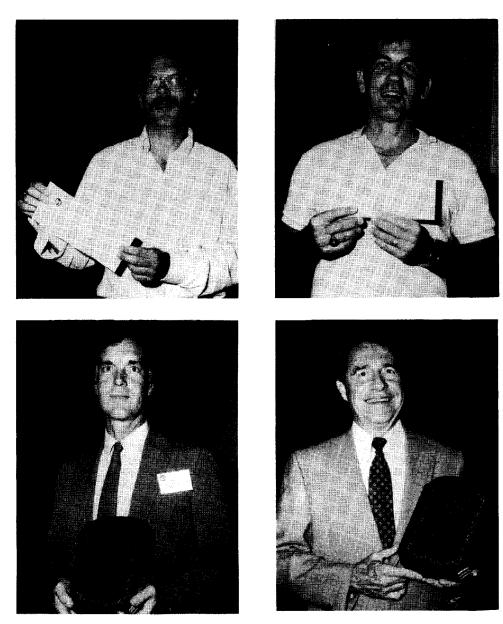


Fig. 1. Gary Fritz, Department of Entomology and Nematology, UF, Gainesville, received one of three \$500 scholarships awarded by the FES. Fig. 2. Dr. Richard R. Sprenkel, North Florida REC, Quincy, received the Annual Achievement Award for Extension. Fig. 3. First place in the Poster Contest went to Richard Kramer, Department of Entomology and Nematology, UF, Gainesville. Fig. 4. Dr. John Strayer, Department of Entomology and Nematology, UF, Gainesville, received the Annual Achievement Award for Teaching.

nized universities in Arkansas, Florida, Louisiana, New York, and Ohio. The three winners were Gary N. Fritz, University of Florida; Nancy Pencoe, University of Arkansas; and David A. Rider, Louisiana State University.

Achievement Awards:

Winners of awards for dedication to Society affairs, teaching, research, and extension, and the Entomologist of the Year are:

Certificate of Merit:

Dr. Frank Mead, former Society Secretary for many years, has been the unofficial photographer for the Florida Entomological Society. At his own expense and on his own time, Frank has taken hundreds of pictures of members and guests attending our Society functions. We owe him a debt of gratitude, thus, we recognize him with a Certificate of Merit for his many years of dedication to our Society.

Certificate of Merit—Special Team Award:

A Certificate of Merit was presented to the Insect Acoustics Group for their research in this area. There is a critical need for methods to detect insect larvae in harvested commodities such as grapefruit, papaya, and grain. It is particularly important to have a highly sensitive non-destructive means of detecting hidden infestations. In response to this significant need, the idea of using acoustic means to detect insect larvae in post-harvest commodities was conceived by Dr. J. C. Webb, Research Leader, Biophysics and Neurophysiology Unit, Insect Attractants, Behavior, and Basic Biology Research Laboratory, USDA, ARS, Gainesville, Florida, in the fall of 1982. The concept was to develop an instrumentation system that would detect the vibrations at the surface of fruit caused by the chewing or moving action of the insect larvae that infested the fruit. This unique non-destructive acoustic approach was possible only because Dr. Webb and his colleagues have an extensive background in detecting and analyzing insect sounds that were not previously studied because of the lack of highly sensitive instrumentation.

The research of Dr. Webb, Dr. Calkins, Dr. Vick, and other members of their research teams have provided a valuable and unique tool that is now available for possible application for a wide variety of commodities. The active interest of several industrial firms underlines the potential or commercial application. The invention of the acoustical detection system and its development to date demonstrate a significant achievement in agricultural research which began with a basic investigation of insect sounds.

Annual Achievement Award for Extension:

Dr. Richard K. Sprenkel came to the North Florida Research and Education Center in August 1979 as an extension integrated pest management specialist for agronomic crops in Florida. In 1981 he organized the first of several fly-ins in Florida at Jay. These fly-ins help aerial applicators calibrate their planes for spraying, coordinate Naval use of air space with aerial applicators, and provide information on chemicals cleared for aerial application on specific crops. He organized the first of two grower-owned scouting organization in northern Florida and trained their scouts. He is Chairman of the NFREC Computer Committee. He field-tested the computerized SOYGAME growth



Fig. 5. Dr. Daniel L. Shankland, Head, Department of Entomology and Nematology, UF, Gainesville, received the Entomologist of the Year Award. Fig. 6. Dr. James B. Kring (left) presents Dr. Frank W. Mead of DACS, DPI, Gainesville, the Award of Merit. Fig. 7. Brian Witz (left) and Bernard Kaiser (right), Biology Department, USF, Tampa, received 2nd and 3rd place prizes in the Poster Contest. Fig. 8. FES President Dale H. Habeck (right) congratulates Dr. Billy R. Wiseman, Research Entomologist, Insect Biology & Population Management Research Laboratory, ARS, USDA, Tifton, GA, on being named recipient of the Annual Achievement Award for Research. Fig. 9. Dr. Everett R. Mitchell (left), Insect Attractants, Behavior, and Basic Biology Research Laboratory, ARS, USDA, Gainesville, accepts from President Habeck the Award of Merit on behalf of the Laboratory's Acoustics Research Group, composed of Drs. J. C. Webb, C. O. Calkins, and Ken Vick; and Carl Litzkow, Betty Weaver, Lloyd Davis, and Shuichi Masuda.

simulation and pest management model and demonstrated it around the state. He is Editor of the IPM Newsletter and assistant editor of the Panhandle Agri-News Newsletter. Two of his major contributions are the publication of a scouting manual and pocket field-crop pest identification guide for county agents, field personnel, and scouts.

Annual Achievement Award for Research:

Dr. Billy R. Wiseman is a world-renowned authority in host-plant resistance who has made significant contributions to the science and technology of host-plant resistance in corn and sorghum entomology. He has published 142 scientific papers, 45 abstracted articles, and a bibliography. Dr. Wiseman has made 21 invitational presentations and 51 national and international scientific presentations. He and his co-workers have developed, released, and registered nine dent corn inbreds, two sweet corn inbreds, two dent corn populations, two grain sorghum germplasms, and 28 grain sorghum germplasm lines with insect resistance or other usable agronomic characteristics. His SGIRL-MR-1 was the first sorghum midge-resistant germplasm released in the U.S. He has been very active in both ESA and ARPE, having served as National Chairman of the ESA Membership Committee and as President-Elect (1986) of SEB-ESA. He was invited to organize and chair an international symposium for 1987 titled "Methodologies tor Determining Resistance to Insects in Corn." For 10 years he has driven from Tifton, Georgia, to Gainesville, Florida, on Saturdays, to teach two graduate courses on host-plant resistance.

Annual Achievement Award for Teaching:

Dr. John R. Strayer teaches a variety of undergraduate entomology classes at the University of Florida, including Fundamentals of Pest Management, Household Insects, Insect Natural History, Agriculture in the Environment, and Principles of Entomology. Dr. Strayer is a dynamic speaker whose lectures are always well organized. He uses audio-visual aids very effectively to clarify information and maintain interest in the material. Dr. Strayer is responsive to questions and always gives clear informative answers. He is interested in students and their concerns, both in and out of the classroom. Dr. Strayer is an excellent teacher and the ideal advisor for students beginning a career in entomology.

Entomologist of the Year:

Dr. Daniel L. Shankland has a long and distinguished career in entomology. He began his professional career with Stauffer Chemical Company in 1955. In 1957 he was hired by Purdue University as assistant professor and became associate professor in 1962 and full professor in 1966. He became Head of the Department of Entomology at Mississippi State University in 1976, and Head of the Department of Entomology and Nematology at the University of Florida in 1980.

As Department Head, he has provided an environment conducive to academic excellence in teaching, research, and extension. He fostered a spirit of intellectual inquiry and enthusiasm for in-depth research. He has often expressed the opinion that he is not interested in whether research is applied or basic; only whether the research is good science.

Dan has been very interested in the production of well-trained entomologists. He has participated in the oral exams of most or our students since he came to Florida. His standards are high and unyielding.

Dan has served on many IFAS and University of Florida committees, often as chairman. He is an advocate and active promoter of interdisciplinary research to solve pest problems. He has had an important role in the development of the Center for Environmental Toxicology and is acting director of that organization.

Most recently, he has been instrumental in obtaining planning funds for the design and construction of a new building for entomology and nematology. This building will replace over 40 buildings now utilized wholly or partially by department personnel. J. Kring, Chairperson; D. Dame; J. Knapp

REPORT OF THE STUDENT AFFAIRS COMMITTEE

First-, second-, and third-place prizes were awarded in the Poster Contest. First-and second-place prizes were awarded in the Paper Contest; there was no third place awarded in the Papers Contest due to lack of participants. Award winners are cited elsewhere in this report. Judging the Poster Contest were W. Flowers, W. Hudson, and J. Sivinski. Paper contest judges were G. Buckingham, H. Frank, P. Greany, and T. Walker.

J. SIVINSKI, CHAIRPERSON; E. GORDON; P. LOUNIBOS; R. FLOWERS

REPORT OF THE RESOLUTIONS COMMITEE

Resolution No. 1:

WHEREAS, the 69th Annual Meeting of the Florida Entomological Society, held at the Sheraton Sand Key Resort, Clearwater Beach, Florida, has enjoyed superb facilities and hospitality which tremendously contributed to the success of the meeting,

AND WHEREAS, Mr. Lee Regulski, Commissioner, City of Clearwater, generously gave his time and efforts to welcome the Society to the City of Clearwater, which effectively opened the 69th Annual Meeting of the Florida Entomological Society,

THEREFORE, BE IT RESOLVED that the Secretary of the Society is instructed to write letters of appreciation to the hotel and Mr. Regulski.

Resolution No. 2:

WHEREAS, the Local Arrangements Committee has provided excellent organization and facilities for the 69th Annual Meeting of the Society,

AND WHEREAS, J. L. Taylor and the Program Committee have prepared a high-quality and well balanced program for the Society's meeting,

AND WHEREAS, the speakers who presented papers, both invited and submitted, shared their excellent work and ideas with our Society,

AND WHEREAS, excellent and timely symposia were organized by E. McCoy, D. Strong, J. Taylor, and D. Williams,

AND WHEREAS, the Committee on Student Activities encouraged excellent student participation and contributions to our Annual Society Meeting,

THEREFORE, BE IT RESOLVED that the Society expresses its deepest appreciation to those individuals who helped to make the meeting a success.

Resolution No. 3:

WHEREAS, President Dale H. Habeck and other members of the Executive Committee have provided our Society with dedicated leadership and invaluable services,

AND WHEREAS, J. R. McLaughlin and the Associate Editors of The Florida Entomologist have done an excellent job in maintaining the highest of standards for the Society's Journal,

AND WHEREAS, members of the other committees have geneoursly contributed their time and efforts to the Society this past year,

THEREFORE, BE IT RESOLVED that the Society commends these individuals and expresses appreciation for their services to the Society and to the science of entomology.

Resolution No. 4:

WHEREAS, members of the industry continue to provide much needed financial support to the Society by way of sustaining memberships, advertising in the program, supporting the Journal, and numerous other Society functions,

THEREFORE, BE IT RESOLVED that the Society hereby expresses its appreciation to these groups.

M. Pescador, Chairperson; N. Su; D. Vickers

REPORT OF PUBLICATIONS COMMITTEE

The Florida Entomologist continues to receive manuscripts in record numbers and volume 69 probably will run over 800 pages. The publisher indicates that we are in good financial shape with page charges meeting publication costs. No increases in page charges are anticipated in the next 3 years unless costs suddenly inflate.

The Journal has been late this year due to the amount of material that had to be prepared from the Jamaica meeting. We will be back on schedule by the end of this year. The publisher is using new equipment which requires authors to more closely follow published instructions. A new set of instructions was published in the June 1986 issue. Another impediment to timely publications has been the failure of authors to promptly return galleys. The printer has been instructed to indicate on the envelopes that galleys are inside so secretaries or colleagues can process galleys for absent authors. Authors are reminded that galleys should be processed within 48 hours regardles of other paperwork such as reprint orders, etc. They should not hold up a galley while waiting for a secretary to type an unnecessary letter of transmittal.

The Journal has not been publishing book reviews these past 2 years. Beginning with the December 1986 issue the Editor will publish a list of books received with a brief description of each. Comments on this policy are welcomed by the Editor.

J. McLaughlin, Chairperson; H. Weems, Jr.; M. Hubbard; F. Howard; O. Sosa; A. Ali; W. Aldlerz; J. Heppner; A. Knapp

NECROLOGY REPORT

Four members died during the past year:

RALPH L. MILLER (1902-1985), retired citrus consultant and research entomologist; President, Florida Ent. Soc., 1937; obituary, Fla. Ent. 68(4): 702.

SAM S. FLUKER (1931-1986), pesticide information officer, University of Florida; obituary, Fla. Ent. 69(2): 447.

ARCHIE N. TISSOT (1897-1986), retired entomologist, University of Florida, Agric. Expt. Stn.; President, Fla. Ent. Soc., 1932; obituary, Fla. Ent. 69(3).

WARREN C. ADLERZ (1928-1986), research entomologist, University of Florida Research Center, Leesburg; obituary Fla. Ent. 69(4).

D. H. HABECK, NECROLOGIST



Fig. 10. Outgoing President Dale Habeck (left) is presented a plaque by newly elected President David Schuster, Gulf Coast Research and Education Center, Bradenton, for a job well done (All photos courtesy of Dr. Frank W. Mead).

REPORT OF THE NOMINATING COMMITTEE

The Committee submitted the following slate of nominees for FES officers:

President-Elect

James Taylor

Vice-President

Dick Patterson

Member-at-Large

Lance Osborne

Due to a misunderstanding of the term of office, a nominee for Secretary was inadvertently omitted from the slate of nominees. This oversight was corrected at the final business meeting when Everett Mitchell was nominated for the office of Secretary.

This slate of nominees subsequently was elected for office of the FES for 1986-1987.

L. Wright, Chairperson; R. Baranowski; J. Eger; J. Kring

The new President, David J. Schuster, was escorted to the podium by Harold Denmark and Louis Berner. President Schuster congratulated outgoing President Habeck on a job well done and presented him with a plaque expressing the Society's appreciation. President Schuster then advised the members present that a site for the 1987 Annual Meeting had not yet been finalized, but a decision would be forthcoming soon. There being no further business, the 69th Annual Meeting of the Florida Entomological Society adjourned at 11:55 a.m. on August 8, 1986.

EXECUTIVE COMMITTEE MEETINGS 1985-1986

October 23, 1986, USDA, ARS, Insect Attractants, Behavior, and Basic Biology Research Laboratory, Gainesville, Florida.

January I, 1986, Citrus Research Center, Lake Alfred, Florida.

April 23, 1986, DPI, Gainesville, Florida.

August 5, 1986, Sand Key Resort, Clearwater, Florida.

Respectfully submitted,

EVERETT R. MITCHELL

SECRETARY

