

EIGHTY-SECOND ANNUAL BUSINESS MEETING
OF THE FLORIDA ENTOMOLOGICAL SOCIETY

The 1998-99 Annual Business Meeting was called to order by President Sivinski at 5:25 p.m., July 26, 1999, at the Condado Plaza Hotel, San Juan, Puerto Rico. There were 43 members in attendance. Julie Stavisky filled in as Secretary for John Petti who could not attend the meeting. Joe Funderburk presented the proposed changes in the By-Laws. The membership voted unanimously in favor of accepting the proposed changes. Final reports from standing committees and ad hoc committees of the Society were presented. Out-going President Sivinski handed the gavel over to incoming President Lance Peterson. The first 1999-2000 Executive Committee meeting was tentatively scheduled to be held September 23 at 1:00 p.m. in Gainesville. No further business was discussed. The meeting adjourned at 6:40 p.m.

REPORT OF THE BUSINESS MANAGER
JANUARY 1, 1998 TO DECEMBER 31, 1998

INCOME:

Sustaining Members 47 @ \$55.00	\$ 2,775.00
Student Members 67 @ \$10.00	720.00
Full/Family Members 386 @ \$30.00	11,975.00
Subscriptions 185 @ \$40.00	7,935.00
Exchange-Subscriptions	400.00
Miscellaneous	503.00
Author-Link	145.00
Dividends	1,857.00
Annual Meeting Income	13,550.00
Total Income	39,860.00

EXPENSES

Business Manager Salary	9,583.33
Editor Salary	3,182.00
Office Supplies/Expense	774.00
Telephone	750.00
Postage	646.00
Scholarship & Grants	2,700.00
Student Activities	375.00
Student Representative	150.00
Student Travel	1,200.00
Editing	40.00
Newsletter/Journal	3,189.00
Miscellaneous	2,668.00
Dues & Subscriptions	143.00
Annual Meeting	18,470.00
Bank Charge	65.00
Contributions	0.00
Puerto Rico	2,952.00
On-Line Expense	2,451.00
Total Expenses	49,338.33

NET INCOME

(9,478.33)

TERESA DUCHENE (BUSINESS MANAGER)

REPORT OF THE FISCAL COMMITTEE

The Fiscal Committee met on June 23, 1999 in Gainesville to examine the financial records of the Society for the 1998 fiscal year. The records were found to be in order. As in 1998, the Fiscal Committee recommends that documentation for all disbursements be on file, especially for reimbursements of the travel expenses of symposium speakers. Symposium organizers must make arrangements with the Business Manager before the Annual meeting so that speakers can have all necessary receipts ready before a check is received. The Fiscal Committee thanks Teresa DuChene, Business Manager, for her cooperation, excellent record-keeping, and advice. The Committee was impressed with the amount of paperwork, including checks, receipts, and journal mailings that Ms. DuChene must keep organized to provide a report for the Society.

On July 21, 1999, I (RLM) met with Jeffrey and Donna Johnston at E. O. Painter Printing Company, Inc., in DeLeon Springs, FL. The purpose of the meeting was to learn information on the financial arrangement with FES's journal printer. FES in December, 1997 and in January, 1999, received \$5,000 from the Printer. Questions at the spring Executive Committee meeting were raised about these disbursements, specifically, at what point in the account is money distributed to FES. Historically, disbursements haven't been forwarded back to FES because page charges were forgiven or "relaxed" by the Journal's editors, and the balance was not large enough to fund the next issue. In fact, Mr. Johnston believes these might be the first disbursements to FES in 10-15 years. The policy of E. O. Painter is the same as it has always been—when the FES account achieves a balance over \$10,000, a check for \$5,000 is forwarded to the Society. Our account generally ebbs and flows at issue release and in between issues depending on when page charges are received and on the size of the issue. The Printer commends our *Florida Entomologist* editor, Dr. Richard Baranowski, for his ability to adhere to FES's policies concerning page charge responsibilities by authors. The Society has a very positive working relationship with E. O. Painter, and Jeffrey and Donna are excited to work with us to improve *The Florida Entomologist*.

ROBERT MEAGHER (CHAIR), JOHN ALTOM, SUSAN WEBB

REPORT OF THE PUBLICATIONS COMMITTEE

A total of 594 pages were published in Volume 81(1998) including: one symposium with a total of 5 papers, 46 research reports, 21 scientific notes, 8 book reviews, the Second Pioneer Lecture Award, Minutes of the 1997 Annual Meeting and one erratum. Ninety eight research papers and scientific notes were received for publication in 1998. Seventy four have been published, 7 rejected, one withdrawn and 18 remain in the peer review process.

Dr. L. O'Brien, Dr. M. Hubbard, and Dr. A. Wheeler resigned as Associate Editors and Dr. P. Greany and Dr. R. E. Woodruff have been appointed as Associate Editors.

R. BARANOWSKI, EDITOR

REPORT OF THE PROGRAM COMMITTEE

The program for the Fourth International Caribbean Conference of Entomology was held in conjunction with The Puerto Rico Entomological Society and the Eighty-Second Annual Meeting of the Florida Entomological Society. Dr. Alberto Pantoja, President of the Puerto Rico Entomological Society, gave the Welcoming Address and Florida Entomological Society President John Sivinski gave the Presidential Address. Dr. Pauline Lawrence of the University of Florida presented the Pioneer Lecture, honoring Dr. George N. Wolcott.

The formal program contained six symposia entitled: (a) Insect Behavioral Ecology; (b) Curculionids of the Caribbean Region: Importance to Agriculture; (c) Facing the Threat of Exotic Pest Invasion; (d) Biological Control of Pests in Ornamental Plants of the Caribbean; (e) Preserving Our View of the Past; Protecting Historic Structures from Wood-Destroying Insects; and (f) Sweet Potato Insect Pests. There were thirty-eight papers presented in 5 sessions of submitted papers including four in the Student Competition; thirteen in Pest Management, Sampling and Biology; three in Biological Control; and three in Termite Biology. A special addition this year was a Spanish speaking session for submitted papers from the Caribbean. Fifteen papers were submitted to this session, primarily from the Puerto Rico Entomological society, but also from Cuba and elsewhere in the Caribbean. The Submitted Poster session contained 14 presentations on a wide variety of topics.

One day was set aside for three sponsored excursion tours: One group went to the El Yunque Rainforest, a second group toured the Botanical Gardens and the Exotic Entomological Museum at the University of Puerto Rico; and a third group went on a guided tour of 'San Cristobal' and 'El Morro' Forts, observing the history of the sites as well as measures being taken for termite control.

The program for the conference, as well as the submitted Abstracts, were posted on the FES web site for access by the membership. LANCE G. PETERSON (CHAIR)

REPORT OF THE LOCAL ARRANGEMENTS COMMITTEE

The Local Arrangements Committee for the 82nd Florida Entomological Society meeting, to be held in San Juan, Puerto Rico July 25-29, 1999, is pleased to report that all arrangements with the Condado Plaza Hotel, the audio/visual provider, Stage Crew, Inc., and with the local tour operator, Backstage Partners, Inc., have been successfully negotiated. With the assistance of the FES Business Manager, Teresa DuChene, every effort has been made to offer a high-quality meeting but to do so without unnecessary expense. For example, many items such as video, overhead and slide projectors, plus poster boards, are being provided at no cost by the University of Puerto Rico. Three offsite tours have been arranged: to the rainforest (El Yunque), to the University of Puerto Rico Botanical Garden and Entomological Museum, and to the historic forts San Cristobal and El Morro in Old San Juan, where the focus will be on structural pest control in historic structures. Advance signups for the tours have been excellent. From all indications, this meeting promises to be a great success!

PATRICK GREANY (CHAIR) AND ALBERTO PANTOJA (CO-CHAIR)

REPORT OF THE PIONEER LECTURE COMMITTEE

The Florida Entomological Society's 1999 Pioneer Lecturer was Dr. Pauline O. Lawrence of the University of Florida, Institute of Food and Agricultural Sciences, Department of Entomology and Nematology. Her lecture honored Dr. George N. Wolcott, a pioneering and visionary entomologist in the Caribbean. This was the third Pioneer Lecture of the series and it was presented at the Fourth Caribbean Conference of Entomology in San Juan, Puerto Rico.

Dr. Lawrence delivered an exceptionally thoughtful, substantive and sensitive lecture, counseled students at a special luncheon and exemplified the Society's high scientific and academic standards throughout the conference. She expertly described Wolcott's work in agricultural entomology, biological control of pests and related fields. She also related his work to her innovative research in biological control, involving toxicology, behavior, physiology, and molecular biology of beneficial insects.

N. C. LEPPLA (CHAIR), G. R. BUCKINGHAM, H. A. DENMARK, D. H. HABECK,
J. E. LLOYD, C. W. MCCOY, J. M. SIVINSKI

REPORT OF THE NOMINATING COMMITTEE

The committee considered candidates for each elective office. Lance Petersen, Pat Greany, and John Petti were recommended to the membership for President, President-Elect, and Secretary, respectively. Richard Mankin and John Capinera were selected as candidates for Vice-President and Elzie McCord, Jr. and Susan Webb for Member-at-Large. A total of 67 ballots were received and counted. John Capinera and Susan Webb received the most votes for Vice-President and Member-at-Large, respectively.

JOE FUNDERBURK (CHAIR), JOE EGER, DAVID HALL, ELLEN THOMS

REPORT OF THE HONORS AND AWARDS COMMITTEE

This year the Florida Entomological Society is proud to recognize and honor 33 individuals for their achievements and contributions to the discipline of entomology and to the Society.

Entomologist-of-the-Year: David F. Williams

David F. Williams' medical and veterinary entomology career has been profoundly broad. Among his early successes were the widely adopted "Williams trap" for monitoring and controlling stable flies and heading up the successful eradication of the stable fly on the island of St. Croix. He has become a world authority on the development of baits and other methods for the control of fire ants and other urban pest ants. He has established and maintained the largest and most species diverse pest ant rearing facility in the nation. His techniques are used as a model for other labs throughout the country. The development of nearly every ant bait that is commercially available involved work conducted separately by David Williams, or in partnerships. He holds five patents for ant bait formulations. In 1995, he became Lead Scientist of the ARS's Biological Control Fire Ant Research Team to develop and test self-sustaining biocontrol agents in an effort to reduce pesticide use over large acreages. In 1996, he made one of his most important discoveries, a microsporidium disease agent highly specific for fire ants. He developed a means to infect field colonies, and through a USDA partnership with the fire ant infested states in the Southern Legislative Conference, established field sites in 10 states in 1998-99. He has unselfishly devoted his time to help others develop careers involving pest ant research. For his contributions to the science of entomology, the Florida Entomological Society proudly presents the Entomologist-of-the-Year Award for 1999 to David F. Williams.

Achievement Award for Research: Jeffrey P. Shapiro

Jeffrey P. Shapiro has conducted breakthrough research on the resistance of citrus rootstocks to the larval stage of *Diaprepes abbreviatus*, possibly the worst insect pest to infest Florida citrus. He developed appropriate bioassays, which have, for the first time, provided leads for genetic engineering of citrus rootstocks both from existing citrus rootstocks and from *Glycosmis pentaphylla*. The results of his research have provided the key for the eventual control *D. abbreviatus*. For these contributions to the science of entomology, the Florida Entomological Society proudly presents the 1999 Achievement Award for Research to Jeffrey P. Shapiro.

Achievement Award for Extension: Philip A. Stansly

Philip A. Stansly is recognized for his excellent outreach programs overseas. He is well known for development of a successful soybean IPM program in Ecuador. His activity has also had significant beneficial effects in tomato production in the Dominican

Republic. More recently, he has become involved with tomato research in Puerto Rico and Costa Rica, again battling whitefly disseminated viruses. It is especially appropriate during a meeting that is intended to foster Caribbean and Latin American cooperation, to recognize an entomologist who has contributed so extensively to improved crop production in these areas. For these outstanding accomplishments, the Florida Entomological Society proudly presents Philip A. Stansly with the 1999 Achievement Award for Extension.

Achievement Award for Industry: Charles H. Matthews

As Assistant Director of the Environmental and Pest Management Division of the Florida Fruit and Vegetable Association, Charles H. Matthews has been instrumental in bringing together Florida growers, industry, and the university community to solve insect control problems that plague Florida agriculture. Most importantly, he has sought to resolve these problems through the use of IPM. He has contributed significantly to the successful management of insects that have threatened the very ability to produce several crops in Florida, such as the leafminer in celery and the diamond-back moth in cabbage. For his efforts and dedication in bringing all available resources together to solve insect problems in Florida, the Florida Entomological Society proudly presents Charles H. Matthews with the 1999 Achievement Award for Industry.

Achievement Award for Team Research: Thomas R. Fasulo, Philip G. Koehler, and Clay W. Scherer

The Florida Department of Education has been working since 1995 with Philip G. Koehler, Thomas R. Fasulo, and Clay W. Scherer to develop and implement a school IPM program. Clay Scherer presently chairs the Florida School IPM Advisory Board, which fosters efforts to substitute pest management practices for calendar based, high exposure rate, and broad spectrum pesticide treatments in this sensitive environment. In 1996 a survey identified the major pests and treatment techniques. These results were used to develop the content for a series of eight School IPM training workshops to be held all around the state. Members from all of Florida's 67 school districts attended at least one of the workshops. Each workshop had over 100 people in attendance. School pest technicians, sanitarians, concerned parents, extension agents, PCO's, and administrators were in attendance. Results of a 1997 survey indicate that the percentage of school districts spraying pesticides on a calendar basis dropped from 78% to just 32%. Surface sprays, once the preferred formulation for 60% of schools districts, now is a favorite in less than 25% of districts. The usage of bait doubled. IPM practices are rapidly and effectively being implemented in schools.

In addition, the National School IPM Web Site was established in 1998. This web site has become the national resource for states interested in implementing school IPM. Nearly every School IPM practitioner in the country cites the school IPM web site as their primary source of information on pest management practices. There has been broad "buy-in" from states around the country. The Team was invited by the EPA/USDA to lead discussions at three "National School IPM" meetings in Washington, DC, Detroit, MI, and Atlanta, GA. The purpose was to help provide leadership to other states interested in implementing School IPM. Thus, Florida's innovative and excellent plan is being showcased and exported throughout the country. Currently, the Team is working on a "School IPM Model Contract" which has been the last huge obstacle for schools. Schools outsourcing pest control need help here so that they get quality IPM while at the same time making it affordable for both the school and the pest control industry. The model contract should be available in late 1999. For their

significant contributions to the advancement of School IPM, the Florida Entomological Society proudly presents Thomas R. Fasulo, Philip G. Koehler, and Clay W. Scherer with the 1999 Achievement Award for Team Research.

Achievement Award for Education (K-12): Cynthia Cranford

Cynthia Cranford uses insects as integral part of her fourth grade curriculum. Several years ago, she built a butterfly garden at her newly constructed school grounds. The butterfly garden has become the showpiece for the school and the school district for educators from throughout the state. She has developed and shared multi-disciplinary insect-oriented lesson plans for grades K-6. Her students use the cascade learning model to serve as mentors to other students, teachers, and guests. A visit to her school now finds insects being featured in most classrooms with many “insect experts” on hand for interpretation! She has recently worked with a preschool for physically and mentally delayed children. She researched plants that would attract insects, prove non-toxic to touching or ingestion by the children, and serve as a center of attraction for visitors arriving at the front of the school. She is currently providing in-service instruction to assist these teachers and others to learn how to incorporate insects into their daily lesson plans. For her creativity and commitment to education, the Florida Entomological Society proudly presents Cynthia Cranford with the 1999 Achievement Award for Education (K-12).

Achievement Award for Higher Education: Marjorie A. Hoy

Marjorie A. Hoy has developed an outstanding course in insect molecular genetics at the University of Florida. Through this course and a variety of seminars and special problems courses, she has been exceptionally effective at introducing both undergraduate and graduate students to theory, techniques, and potential applications of this exciting field. In addition to her excellent teaching activities, she has written the only textbook in the field entitled, *Insect Molecular Genetics* (Academic Press). This textbook has gained international acclaim as documented by testimonials from many of the world's leading entomologists and molecular biologists, including a Nobel Laureate. Through her textbook, Marjorie Hoy's impact in teaching has been felt not only at the University Florida and in the United States, but also throughout the world. For her dedication and excellent teaching contributions to the profession of entomology, the Florida Entomological Society proudly presents Marjorie A. Hoy with the 1999 Achievement Award for Higher Education.

Presidential Recognition Award: Nancy Epsky

The Florida Entomological Society recognizes Nancy Epsky for outstanding and dedicated service as Co-editor of the Newsletter.

Presidential Recognition Award: Lois A. Wood

The Florida Entomological Society recognizes Lois A. Wood for outstanding and dedicated service as Co-editor of the Newsletter.

Presidential Recognition Award: Richard W. Mankin

The Florida Entomological Society recognizes Richard W. Mankin for outstanding and dedicated service as Webmaster for the Florida Entomological Society.

Presidential Recognition Award: Alberto Pantoja

The Florida Entomological Society recognizes Alberto Pantoja for invaluable service to the Florida, Puerto Rico, and Caribbean Entomological Societies.

Presidential Recognition Award: David G. Hall

The Florida Entomological Society recognizes David G. Hall for extraordinary and dedicated service as Secretary to the Society.

Recognition of the President: John M. Sivinski

The Society recognizes our outgoing president, John M. Sivinski, for outstanding dedicated service as President of the Florida Entomological Society for 1999, culminating in the 82nd Annual Meeting.

Certificates of Appreciation were presented to:

Phoebe A. Wilson for invaluable contributions in the development of the on-line Florida Entomologist.

Teresa DuChene for outstanding service to the benefit of the Society and the profession of entomology in achieving tax-exempt status for the Florida Entomological Society.

Lois A. Wood for outstanding service to the benefit of the Society and the profession of entomology in achieving tax-exempt status for the Florida Entomological Society.

Lois B. O'Brien for outstanding service to the benefit of the Society and the profession of entomology as Associate Editor of the Florida Entomologist.

Michael D. Hubbard for outstanding service to the benefit of the Society and the profession of entomology as Associate Editor of the Florida Entomologist.

Al Wheeler for outstanding service to the benefit of the Society and the profession of entomology as Associate Editor of the Florida Entomologist.

Clay W. Scherer for outstanding service to the benefit of the Society and the profession of entomology as Co-chairman of the Membership Committee.

Philip G. Koehler for outstanding service to the benefit of the Society and the profession of entomology as Co-chairman of the Membership Committee.

Patrick D. Greany for exemplary service to the benefit of the Society and the profession of entomology as Chairman of the Local Arrangements Committee for the 82nd Annual Meeting.

Lance G. Peterson for exemplary service to the benefit of the Society and the profession of entomology as Chairman of the Program Committee for the 82nd Annual Meeting.

Elzie L. McCord, Jr. for outstanding service to the benefit of the Society and the profession of entomology as Chairman of the Student Activities Committee.

Abe White for outstanding service to the benefit of the Society and the profession of entomology as Chairman of the Caribbean Conference Committee.

Norman C. Leppla for outstanding service to the benefit of the Society and the profession of entomology as Chairman of the Pioneer Lecturer Award Series Committee.

John M. Petti for outstanding service to the benefit of the Society and the profession of entomology as Secretary to the Florida Entomological Society.

David H. Vickers and for outstanding service to the benefit of the Society and the profession of entomology as Special Awards Judge for the 44th Annual State Science and Engineering Fair of Florida.

Gary L. Leibee for outstanding service to the benefit of the Society and the profession of entomology as Special Awards Judge for the 44th Annual State Science and Engineering Fair of Florida.

Certificates of Achievement were presented to:

Edward J. Fernandez of Trinity Catholic School, Tallahassee, Florida for outstanding achievement as recipient of the 1999 Florida Entomological Society Special Award in the Junior Section of the 44th State Science and Engineering Fair of Florida for his project *Bessbug Beetle Behavior: Phase 2 of a Two-Year Study*. Edward received \$100 in cash and an invitation to the 82nd Annual Meeting of the Florida Entomological Society.

Gadi Hus of Cooper City High School, Cooper City, Florida for outstanding achievement as recipient of the 1999 Florida Entomological Society Special Award in the Senior Section of the 44th State Science and Engineering Fair of Florida for his project *Foraging / Aggressive behavioral studies of Coptotermes formosanus and Reticulitermes flavipes*. Gadi received \$100 in cash and an invitation to the 82nd Annual Meeting of the Florida Entomological Society.

GARY L. LEIBEE, CHAIRMAN;
WENDY L. MEYER; FREDDIE A. JOHNSON; FORREST W. HOWARD

REPORT OF THE STUDENT ACTIVITIES COMMITTEE

Student Paper Competition—There were 4 students paper entries. Judges were Nancy Epsky, Luke Bozeman, and Elzie McCord, Jr. Criteria for judging the competition followed the traditional method as printed in the Operating guidelines. Judging sheets were photocopied from the operating guidelines and supplied to judges prior to the competition with explanations of each category. Judge scores were totaled and all scores averaged. The difference from the first place winner and the lowest score was 2 points. Therefore, the judges agreed to submit a 3-way second place tie to recognize the outstanding performance of each presenter.

First Place Winner:	M. A. Toapanta, University of Florida
Second Place Winners:	J. M. Alvarez, University of Florida J. Brambila, University of Florida S. Moya-Guzman, University of Puerto Rico

Grant Recipients—Travel and Mini-grants and Scholarship applications received prior to the June 15, deadline, were discussed in committee and the following recipients approved for award(s). Travel grant dollars are usually \$100.00; however, Elzie McCord discussed the high cost of attending this meeting. The Executive Committee agreed that the remaining money should be divided equally among the applicants. Travel money was determined after 1 scholarship (\$500.00), and 3 mini-grants (\$100.00 each) were awarded.

By awarding higher travel dollars to applicant at the Puerto Rico meeting, there will be no money available for the Entomological Society of America meeting to be held in Atlanta. The Executive Committee felt that the cost of attending that meeting would be far less and car and room pooling are options for attending students.

Scholarship Recipient:	J. M. Alvarez
Mini-Grant Recipients:	J. M. Alvarez Xiaochun Zhang Alonso Suazo-Calix
Travel Grant Recipients:	J. M. Alvarez Kevina Vulinec Julieta Brambila

ELZIE MCCORD (CHAIR), HEATHER MCAUSLANE, DAVID SCHUSTER, GUANGYE HU

REPORT OF THE RESOLUTIONS COMMITTEE

Resolution No. 1:

WHEREAS the 82nd Annual Meeting of the Florida Entomological Society at Condado Plaza Hotel and Casino, San Juan, Puerto Rico, has enjoyed outstanding facilities and hospitality which immensely contributed to the success of the meeting,

AND WHEREAS Alberto Pantoja, Professor of Entomology, generously gave his time and effort to welcome the Society to the city of San Juan, at the opening of our 82nd Annual Meeting,

THEREFORE, BE IT RESOLVED that the Secretary of the Society be instructed to forward a copy of the resolution to Carlos Basadre, Group Service Manager, Condado Plaza Hotel.

Resolution No. 2:

WHEREAS Pat Greany and the Local Arrangements Committee have provided excellent organization and facilities for the 82nd Annual Meeting of the Society,

AND WHEREAS Lance Peterson and the Program Committee have prepared a well-balanced, high quality program for the Society's meeting,

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

AND WHEREAS excellent and timely symposia and workshops were organized by N. D., Epsky, R. Heath, S. Lapointe, N. C. Leppla, C. W. McCoy, D. Seal, J. Sivinski, K. Sorensen, N.Y. Su, and E. Thoms,

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

THEREFORE BE IT RESOLVED that the Society expresses its deepest appreciation to these individuals.

Resolution No. 3:

WHEREAS President J. Sivinski and other members of the Executive Committee have provided our Society with dedicated leadership and invaluable service,

AND WHEREAS Teresa DuChene has done an outstanding job as Business Manager,

AND WHEREAS Richard Baranowski and the Associate Editors of Florida Entomologist have done an exceptional job in maintaining the highest standards for the Society's journal,

AND WHEREAS Lois Wood and Nancy Epsky have excelled in the production of the informative and timely newsletter for the Society,

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

THEREFORE BE IT RESOLVED that the Society commends these individuals and expresses its appreciation for their service 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, support for the journal and numerous other Society functions,

THEREFORE BE IT RESOLVED that the Society hereby expresses its appreciation to the following persons and companies for their financial support:

John Alton	Valent Corporation	\$50.00
Geri Cashion	FMC Corporation	\$50.00
John Dunckelman	Florida Sugarcane League	\$100.00
Joe Eger	Dow AgroSciences	\$150.00
Clair Erickson	Monsanto	\$150.00
Keith Griffith	Uniroyal Chemical Company	\$200.00
Craig Heim	Cyanamid	\$110.00
Brett Highland	Novartis Crop Protection	\$100.00
Edwin Ingram	RP Sedagri	\$100.00
Raymond Meyers	Cypress Sales & Marketing	\$50.00
Elzie McCord	DuPont	\$550.00
Roy Morris	Bayer Corporation	\$100.00
Lance Peterson	Dow AgroSciences	\$250.00
Ellen Thoms	Dow AgroSciences	\$150.00
Randy Stout	Florahome Pest Control	\$150.00
Abe White	Ag-Bio Enterprise Inc.	\$50.00
Henry Yonce	Zeneca Ag. Products	\$150.00
Tom Youngs	Zellwin Farms Co.	\$100.00
Brian Hanley	U. S. Army	\$500.00
TOTAL		\$3,060.00

R. DUNCAN, CHAIRMAN

REPORT OF THE MEMBERSHIP COMMITTEE

As of July 13, 1999 the membership of FES breaks down as follows: Full (331), Student (46), Sustaining (28), and Subscription (160). The Honorary category always has exactly 10 members as set by FES by-laws. I am sad to report that we were unable to repeat our enormous success of last year's membership drive. In every category we have dropped from our numbers of last year. Full memberships have dropped 10%, student memberships have dropped 33%, and sustaining has decreased 36%.

The membership committee has no simple explanation for this sudden decrease in support. However, I did warn the executive committee during its last meeting that student participation in the annual meeting was going to be low (due to the high costs of attending) and therefore automatically impact membership. This probably follows the trend of over-seas annual meetings when little financial support is available to students.

It became evident to us this year that the current procedure of membership period, tracking memberships, and billing/renewing members is not adequate, due to no fault of the business manager. Our current mechanism is in need of revision. It is not clear to members when the membership period begins/ends, when they should re-new, and many don't receive renewal invoices. We suggest to the executive committee that a solid attempt be made to improve the current system. Current members of the membership committee are willing to aid in this task.

In addition, the Honorary Category still seems to be the responsibility of no one. Gary Leibee (Awards Chair) and I reported to the executive committee on April 29,

1998 that this responsibility should be officially designated to an additional committee or placed in with "Awards" or "Membership" to keep it from falling through the cracks. We again would like clarification here.

Lastly, this annual meeting will signal the end of term which Dr. Phil Koehler and I co-chair the Membership Committee. The remaining members are Dr. John Zenger (UF-Gainesville), Dr. Faith Oi (USDA-Gainesville), and Dr. Tom Weissling (UF-Ft. Lauderdale).
CLAY SCHERER (CO-CHAIR), PHIL KOEHLER (CO-CHAIR)

REPORT OF THE SUSTAINING MEMBERSHIP COMMITTEE

The Committee was chaired by Keith Griffith and included Dr. Joe Knapp and Elzie McCord during 1999. Sustaining membership in the 1998-1999 year was 43 and is being updated currently. Support of allied industry to the Florida Entomological Society has been strong for many years. Contributors to student scholarships and grants in 1999 are 11 including: Ag-Bio Enterprises, Cypress Sales & Marketing, Inc., Dow AgroSciences, DuPont Products, Florahome Pest Control, Florida Sugarcane League, FMC Corp., Monsanto, Novartis Crop Protection, Zellwin Farms Co., and Zeneca Ag Products.

Industry support for the evening mixer included 11 companies and organizations including: Bayer Corp., Dow AgroSciences, DuPont, Florahome Pest Control, Monsanto, Novartis Crop Protection, RP Sedagri, Uniroyal Chemical Co., Zellwin Farms Co., Zeneca Ag Products, and Valent Chemical Co.

Special thanks goes to the United States Army Health Care Recruiting Team headed by SGT. Hanley for the sponsorships of coffee breaks. The U. S. Army needs entomologists in areas around the world.

The Graduate Student Luncheon with Pioneer Lecturer, Dr. Pauline Lawrence, was sponsored by Dow AgroSciences.

KEITH GRIFFITH (CHAIR), JOE KNAPP, AND ELZIE MCCORD

REPORT OF THE OPERATING GUIDELINES AND BY-LAWS COMMITTEE

The Committee examined the Articles of Incorporation and By-Laws of the Florida Entomological Society published in the *Florida Entomologist* June 1996 Volume 79(2):273-280. The most important recommendation is to have them reflect that the Society has become a nonprofit organization. A reprinting of the Articles of Incorporation and By-Laws with this legal language was mandated when the Florida Department of State approved the Society as a nonprofit organization. Some changes also are needed to have the Articles of Incorporation and By-Laws properly reflect current operating procedures of the Committees and Officers. Other minor changes were made in the wording in the Articles of Incorporation and By-Laws. All recommended changes were given to the Board in February 1999, and these were posted for the members on the Society website. The Business Manager, Teresa DuChene, alerted all members of the proposed changes via US mail. The Committee asks that a vote be taken on the suggested changes at the annual business meeting and that the Articles of Incorporation and By-Laws be reprinted with approved changes in the *Florida Entomologist*.

JOE FUNDERBURK (CHAIR), JOE EGER, DAVID HALL, JULIE STAVISKY, AND ELLEN THOMS

REPORT OF THE PUBLIC RELATIONS COMMITTEE

The Public Relations Committee worked with the Education Committee to publicize the Insect Encounter at the 1999 Florida State Fair. A news release describing the

displays and activities available at Insect Encounter was sent to local newspapers, and an announcement was placed in the FES newsletter. An announcement of the FES annual meeting was published in both the ESA newsletter and in the on-line version of the ESA newsletter. At the committee's request, President Sivinski e-mailed a reminder notice on the paper submission deadline to the members who had supplied e-mail addresses. NANCY EPSKY (CHAIR), FAITH OI, AND DENISE JOHANOWICZ

REPORT OF THE NEWSLETTER COMMITTEE

Four issues of the FES newsletter were produced. These included Sept. v13 (#3), Jan. v13 (#4), March v14 (#1), and May v14 (#2). Newsletters were also placed on the FES homepage in the *.pdf format, where they will continue to be available to all interested parties. It is hoped that, in the future, members will have the option of receiving the newsletter either by e-mail or by regular mail. This option is not yet available, therefore the newsletter was mailed via regular mail to all members.

NANCY EPSKY AND LOIS WOOD, CO-CHAIRS

REPORT OF THE LONG-RANGE PLANNING COMMITTEE

Activities—The long-range planning committee focused on three Society issues in 1999.

1. Because this was a year for an offshore meeting, we worked with the Webmaster and other Computer Resource Committee members to add some international flavor to the Web site. Pat Greany was instrumental in setting up the Caribbean Entomologists database online. Howard Frank assisted in the process and provided helpful information for a new Web page with links to Internet Resources in South America and the Caribbean.
2. We discussed activities that could increase opportunities for collaboration between scientist in the U.S. and our Caribbean/South American neighbors. The consensus was that these collaborations usually occur through cooperative interactions among individual scientists. The Florida Entomological Society could play a role in this process by facilitation contact, e.g. through offshore meetings. Attendance of Caribbean and South American members may increase if the offshore meetings are held at inexpensive locations.
3. We considered the problem of declining revenue from institutional subscriptions and prepared the recommendation below:

Options for Eliminating or Offsetting Declining Subscriptions Revenue.

Background—The Florida Entomological Society was founded originally to promote and stimulate interest in the field of entomology. The *Florida Entomologist* and the Annual Meetings were instituted to support this goal. Since 1994, the Society has expanded access to these services by publishing the Florida Entomologist on the Internet and developing a Web site. Recent declines have occurred in individual and institutional memberships (see report by Tom Walker). These declines may be due in part to our new policy of expanded, free access. If these declines continue without offsetting revenues, the Society will soon become insolvent. The Society needs to reverse the decline in membership, develop new sources of revenue, or both.

Competing Concerns—The Society is committed to promoting and stimulating entomological research by providing opportunities for members to interact in annual

meetings and by facilitating the dissemination of information through journal articles and Web pages. However, the Society must remain fiscally solvent by charging fees for its services or collecting revenue through advertisements. Ideally, the service fees should be apportioned fairly among members and other users of Society services.

Options:

Complete Fairness—If fairness is of overriding importance, the total cost of the meetings, publications, and Web page access ideally will be covered by appropriately proportioned membership fees, registration fees, journal page charges, and Web page access fees. Users pay the true costs for services of publishing articles, accessing the Web site, downloading articles, or attending the annual meeting. Membership in the Society is encouraged by offering discounts on fees and providing increased or more timely services to users who are members, or by restricting services only to members. Essentially, this is the approach used by the American Association for the Advancement of Sciences (AAAS).

Maximization of Opportunity to Disseminate Research—If research dissemination is of overriding importance, authors will guarantee this process by bearing all of the costs of publishing and posting on the Web pages. They also bear some of the costs of the additional Society infrastructure that contributes to research dissemination, e.g., student subsidies and the annual meeting. The costs of annual meetings are kept low to encourage attendance. Annual meetings and the journal are advertised nationally, and advertisers are solicited to subsidize the journal, the annual meeting, and the Web site. Excellence in research is rewarded with publicity and financial support.

The committee members are not aware of any organization that has completely adopted such an approach, but the Florida Entomological Society does subsidize students, the annual meetings, and the Web site with revenue from membership fees, page charges, and advertising. The Society also provides public recognition of excellence in student and professional research.

Carve a Niche—Biomednet LTD publishes a Web journal wholly through advertising revenue. Newspapers survive in print and on the Web by a combination of advertising and subscription revenue. These have wider audiences than the Florida Entomologist, but aggressive seeking of advertising revenue might offset declines in membership and subscription income enough for the society to survive with its present approach. Adopting this approach would drive the Web site eventually towards a wider audience that would attract more interest from advertisers.

Evolution—It has become proposed that institutional subscriptions and individual memberships would stop declining if there was a 1-year delay in publishing on the Web site. Tom Walker will present an alternative plan that the Society offer authors the opportunity to make their articles immediately accessible in exchange for an extra Web-publishing fee. A delay would be imposed on other postings to the Web site. This approach encourages institutions to maintain their subscriptions and generate additional revenue. It is a partial move towards the AAAS model.

If the Society wishes to continue its present emphasis on research, authors will have to bear an increasing share of the publishing and dissemination costs. There is no guarantee that authors are able or willing to accept significantly higher page charges and/or Web publication fees. Consequently, the committee recommends that the Society shift to a cautious approach like the AAAS model that maximizes revenue from users. We can do this immediately by restricting access to the Web site and/or the journal e-reprints, and increasing the meeting registration fees. Alternatively, we can move slowly towards the AAAS model by adopting a plan similar to that proposed by Tom Walker, or towards the Biomednet model by aggressively seeking the Web page

revenue. We have already begun efforts to obtain additional revenue from the Web site by setting up a Jobs page. However, there is no guarantee that this and additional advertising revenue can provide enough income to maintain solvency.

RICHARD MANKIN (CHAIR), STEPHEN LAPOINTE, AND MICHAEL HUBBARD

REPORT OF THE COMPUTER RESOURCES COMMITTEE

Activities—The Florida Entomological Society Web Site expanded considerably in 1999.

1. New Internet browse/search capabilities were implemented for the *Florida Entomologist*. All issues of the *Florida Entomologist* from June 1917 to March 1999 are now online. Readers can search issues from June 1917 through March 1994 by Author, Title, or Keyword (words in Author, Title, Abstract, and Keyword fields). Issues from June 1994 to the present can be searched by full text.
2. The Links page was updated with new information about Entomology web servers, list servers, and resources in the Caribbean and South America. One of the resources is the Directory of Caribbean Entomologists.
3. The membership database engine was revised, enabling members to update their directory entries by using a password. In addition, new categories were added to the database for Phone numbers, Areas of interest, E-mail address, and Personal Web Page.
4. A JOBS page was implemented, similar to the employment listings at the Entomological Society of America web site.
5. Newsletter issues from March 1997 to May 1999 were posted.
6. The registration and informational forms were posted for the 1999 Annual Meeting. The abstracts were posted in addition to the program, and participants have the option of posting slide presentations with their abstracts. All the forms can be downloaded or printed using a standard Web browser.

Note—The rate of accessing pages on the Web Site has been steadily increasing from 10,000 hits/day in January to about 18,000 hits/day in June. (The average number of hits per visit is about 15, so there were 700-1,200 separate visits per day). After the home page, the most visited page was the *Florida Entomologist* Searches Page. As anticipated, the Web site has become a valuable scientific resource for members.

Membership—Pat Greany resigned as chair of the committee after many hours of service in planning and setting up the Society's Web Site. Jeff Shapiro joined the committee to replace him, and Richard Mankin became chair.

Future plans—We expect to continue integrating the web-site database with the business manager's database to help cut costs and streamline the Society's operation. TO assist in this process, Adam Cohen implemented a procedure that enables the Webmaster to add and delete new members to the database. As funding permits, we will add new categories to the Caribbean Entomologists data base and provide some support for multiple languages.

It may be necessary to modify access to the *Florida Entomologist* to avoid further reductions in institutional subscriptions. Tom Walker will be presenting a proposal to charge a fee to authors who want their e-reprints to be immediately available on the Web. The Long-Range Planning Committee will present a report that suggests access will have to be restricted and user-fees instituted unless an aggressive search for Web advertising brings in offsetting revenue.

RICHARD MANKIN (CHAIR), RICK BRENNER,
SANFORD PORTER, MICHAEL HUBBARD, TOM WALKER, AND JEFF SHAPIRO

REPORT OF THE EDUCATION COMMITTEE

The principal activities of the education committee this year were to develop operating guidelines for the committee, and to sponsor the insect encounter exhibit at the Florida State Fair. The operating guidelines were submitted to president John Sivinski in December 1998, and the exhibit was held February 4-15, 1999. The exhibit included participation by USDA, Florida Department of Agriculture, University of Florida, Florida Mosquito Control Association, and Disney World. The various agencies are very cooperative and a growing problem seems to be shortage of space for displays. Otherwise, the State Fair exhibit was very successful. JOHN CAPINERA (CHAIR)

1998-99 EXECUTIVE COMMITTEE MEETINGS

September 24, 1998—Gainesville
December 1, 1998—Gainesville
April 13, 1999—Gainesville
July 26, 1999—San Juan, Puerto Rico

REPORT OF THE RESOLUTIONS COMMITTEE

Resolution No. 1:

WHEREAS the 82nd Annual Meeting of the Florida Entomological Society at Condado Plaza Hotel and Casino, San Juan, Puerto Rico, has enjoyed outstanding facilities and hospitality which immensely contributed to the success of the meeting,

AND WHEREAS Alberto Pantoja, Professor of Entomology, generously gave his time and effort to welcome the Society to the city of San Juan, at the opening of our 82nd Annual Meeting,

THEREFORE, BE IT RESOLVED that the Secretary of the Society be instructed to forward a copy of the resolution to Carlos Basadre, Group Service Manager, Condado Plaza Hotel.

Resolution No. 2:

WHEREAS Pat Greany and the Local Arrangements Committee have provided excellent organization and facilities for the 82nd Annual Meeting of the Society,

AND WHEREAS Lance Peterson and the Program Committee have prepared a well-balanced, high quality program for the Society's meeting,

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

AND WHEREAS excellent and timely symposia and workshops were organized by N. D., Epsky, R. Heath, S. Lapointe, N. C. Leppla, C. W. McCoy, D. Seal, J. Sivinski, K. Sorensen, N.Y. Su, and E. Thoms,

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

THEREFORE BE IT RESOLVED that the Society expresses its deepest appreciation to these individuals.

Resolution No. 3:

WHEREAS President J. Sivinski and other members of the Executive Committee have provided our Society with dedicated leadership and invaluable service,

AND WHEREAS Teresa DuChene has done an outstanding job as Business Manager,

AND WHEREAS Richard Baranowski and the Associate Editors of Florida Entomologist have done an exceptional job in maintaining the highest standards for the Society's journal,

AND WHEREAS Lois Wood and Nancy Epsky have excelled in the production of the informative and timely newsletter for the Society,

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

THEREFORE BE IT RESOLVED that the Society commends these individuals and expresses its appreciation for their service 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, support for the journal and numerous other Society functions,

THEREFORE BE IT RESOLVED that the Society hereby expresses its appreciation to the following persons and companies for their financial support:

John Alton	Valent Corporation	\$50.00
Geri Cashion	FMC Corporation	\$50.00
John Duncelman	Florida Sugar Cane League	\$100.00
Joe Eger	Dow AgroSciences	\$150.00
Clair Erickson	Monsanto	\$150.00
Keith Griffith	Uniroyal Chemical Company	\$200.00
Craig Heim	Cyanamid	\$110.00
Brett Highland	Novartis Crop Protection	\$100.00
Edwin Ingram	RP Sedagri	\$100.00
Raymond Meyers	Cypress Sales & Marketing	\$50.00
Elzie McCord	DuPont	\$550.00
Roy Morris	Bayer Corporation	\$100.00
Lance Peterson	Dow AgroSciences	\$250.00
Ellen Thoms	Dow AgroSciences	\$150.00
Randy Stout	Florahome Pest Control	\$150.00
Abe White	Ag-Bio Enterprise Inc.	\$50.00
Henry Yonce	Zeneca Ag. Products	\$150.00
Tom Youngs	Zellwin Farms Co.	\$100.00
Brian Hanley	U.S. Army	\$500.00
TOTAL		\$3,060.00

R. DUNCAN, CHAIRMAN

SUBMITTED BY: JOHN M. PETTI, SECRETARY
NOVEMBER 11, 1999