



# **FLORIDA COUNCIL of BROMELIAD SOCIETIES INC. Newsletter**

This Newsletter published by Florida Council of Bromeliad Societies, Inc. & mailed to all paid up members of those Bromeliad Societies of Florida which make up the Council. Non-members may subscribe for \$2.00 per year.

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Florida Council of Bromeliad Societies

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**VOLUME XVI - ISSUE II**

**MAY 1996**

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## CATCHING UP - STAYING EVEN

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GOOD NEWS! THE HUGE ALCANTAREA IMPERIALIS GROWING IN MY GREENHOUSE IS COMING INTO BLOOM, AND I JUDGE IT WILL BE ABOUT RIGHT FOR WORLD CONFERENCE. IT WAS STARTED FROM A BASAL FEATHER IN THE EARLY '70s. THE UNUSUAL WINTER HAS TRIGGERED HEAVY, EARLY BLOOM ON NEARLY ALL BROMELIADS. VRIESEA BLOOMING SEASON SHOULD BE AT ITS PEAK IN MAY, BUT MINE HAVE NEARLY ALL FINISHED.

THE NEXT ISSUE IS THE ANNUAL ROSTER ISSUE. IT IS IMPORTANT THAT ALL ADDRESSES BE CORRECTED BY AUGUST 1. THE TELEPHONE COMPANY HAS GONE BANANAS WITH FLORIDA AREA CODES THIS YEAR, SO PLEASE INCLUDE THE CORRECT ONES WHEN SENDING THE DIRECTORY.

FCBS, AT THE APRIL MEETING, PROPOSED RAISING THE NEWS-LETTER ASSESSMENT FROM \$1.00 TO \$2.00 (PER MAIL ADDRESS) PLEASE CONSIDER CAREFULLY BEFORE VOTING PRO OR CON ON THIS MATTER AT YOUR SOCIETY MEETING. FCBS FINANCES SEEM TO BE SOLID, BUT WE HAVE ASSUMED THE EXTRAORDINARY EXPENSE OF FUNDING WEEVIL RESEARCH. WE NEED TO RAISE THE ASSESSMENT OR FIND ALTERNATIVE FUND-RAISING SOURCES. WE ARE UNLIKELY TO RECEIVE ASSISTANCE FROM COMMERCIAL SOURCES SINCE THE WEEVIL IS EASILY CONTROLLED IN GREENHOUSE CULTURE. THE COUNCIL IS MIGHTILY CONCERNED, HOWEVER, ABOUT OUR NATIVE SPECIES IN THE WILD. THE 1989 FREEZE DESTROYED TILLANDSIA UTRICULATA IN THE NORTH HALF OF FLORIDA AND THE WEEVIL HAS GOTTEN THOSE IN THE SOUTH HALF, SO THE SPECIES IS NOW NEARLY EXTINCT STATEWIDE. WE MUST FIND A CONTROL OR ALL NATIVE SPECIES OF FLORIDA BROMELIADS WILL BE GONE.

MARK YOUR CALENDAR FOR SEPTEMBER 14. THAT IS THE DATE OF THE 1996 FLORIDA EXTRAVAGANZA, TO BE HELD THIS YEAR AT SELBY BOTANICAL GARDENS, SARASOTA. THERE WILL BE MUCH MORE ON THIS IN THE AUGUST ISSUE.

IT IS INEVITABLE THAT THE CLOSER THE WORLD CONFERENCE DATE BECOMES, THE MORE I AM INCLINED TO REMEMBER THE



FIRST WORLD CONFERENCE HELD IN FLORIDA (ALSO IN ORLANDO) IN MAY OF 1980. MANY OF THE PEOPLE INVOLVED IN THIS ORLANDIANA 96 ARE THE SAME AS IN 1980, BUT ALSO THERE ARE SOME WHO ARE NO LONGER WITH US AT ALL. TO NAME A FEW, THERE ARE JAMES ELMORE, RALPH QUILHOT, DR. DEXTER, BILL RADFORD, MARY VALE, RACINE FOSTER--THESE PEOPLE WERE ALL GREATLY INVOLVED. WHO CAN FORGET JIM ELMORE'S ARABIAN NIGHTS BOOTH OR ANDY PRICE & HIS GANG WITH THE SOCIETY DISPLAY "30 YEARS & GROWING, AND NOT A BLOOM IN SIGHT"? WE HAD THE FIRST BROMELIAD ART COMPETITION AT A WC. THE SHERATON TWIN TOWERS FURNISHED AN IDEAL SHOW AREA ON THE GROUND FLOOR, WITH FULL WINDOWS BOTH SIDES. CARL PERRYIN SET UP THE JUDGED SHOW WITH THE TABLES RUNNING LIKE SPOKES FROM THE HEAD TABLE, WHICH WAS A RAISED AXLE. ELOISE BEACH TOOK MOST OF THE HORTICULTURE AWARDS, BUT BERT FOSTER WON BEST IN SHOW WITH HIS ENORMOUS GUZMANIA LINDENII, WHICH PROMPTLY DIED OF THE EXCITEMENT WHEN HE GOT IT BACK HOME. THAT TIME WAS THE BEGINNING OF THE BROMELIAD SOCIETY FAMILY IN FLORIDA, AND WE HAVE BEEN A CLOSE GROUP EVER SINCE. WE FIGHT AND MAKE UP, CRITICIZE AND PRAISE, LIKE ANY FAMILY, BUT WE HAVE A COMMON CAUSE AND WE DO STAY TOGETHER. SINCE 1980, THERE HAVE BEEN TWO MORE WORLD CONFERENCES IN FLORIDA (MIAMI 1988, TAMPA 1992) AND ANOTHER EXCITING ONE COMING UP IN ORLANDO IN JULY. BE SURE YOU ARE A PART OF IT. YOU WOULDN'T MISS A FAMILY WEDDING, WOULD YOU?

HARRY LUTHER WOULD LIKE OUR HELP IN SORTING OUT THE IDENTITY OF A GROUP OF NEOREGELIAS AND ASKS THAT THE FOLLOWING LIVE PLANTS BE SENT TO HIM AT: 8LL S. PALM AVE.; SARASOTA, FL. 34236: NEOREGELIA JOHANNIS, MARMORATA, MARCON AND ANY CONCENTRICA TERMED "RED TIPS" OR "PINK TIPS". THESE PLANTS MUST BE FROM KNOWN MULFORD FOSTER COLLECTIONS.

ORLANDIANA '96: YOU GOT QUESTIONS? THERE ARE EIGHT PAGES OF ANSWERS IN THIS ISSUE, SO PLEASE READ ON. IF YOU CANNOT COME FOR THE FULL TIME, PLEASE TRY TO SPEND AT LEAST A DAY AT THE CONFERENCE. ADMISSION IS \$5.00, BUT FOR FLORIDA SOCIETY MEMBERS, THERE ARE \$1 OFF COUPONS AVAILABLE. ASK.

FLORIDA COUNCIL OF BROMELIAD SOCIETIES, INC.

TREASURER'S REPORT

First Quarter 1996 at 3/31/96

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|                                 |             |
|---------------------------------|-------------|
| Beginning Balance, General Fund | 8,263.43    |
| Deposits during Quarter         | 6.00        |
|                                 | <hr/>       |
|                                 | \$ 8,269.43 |

General Fund Expenses:

|                      |              |        |
|----------------------|--------------|--------|
| Bulk Mail Permit     | 85.00        |        |
| Fla. Corp. Tax       | 61.25        |        |
| Ed Hall, Chair. Exp. | 8.63         |        |
| Tru Dimension,       |              |        |
| Vol. XVI #1          | 474.01       |        |
| Mail " " "           | 86.60        |        |
| 100-32 cent stamps   | <u>32.00</u> | 747.49 |

|  |             |
|--|-------------|
| General Fund Balance, 3/31, Reconciled | <hr/>       |
|  | \$ 7,521.94 |

Weevil Fund:

|                   |            |
|-------------------|------------|
| Beginning Balance | \$8,426.33 |
| Deposits          | 209.00     |

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\$8,635.33

Weevil Expense:

|                    |          |          |
|--------------------|----------|----------|
| Escuela Agricola   | 1,500.00 |          |
| SHARE              | 1,300.00 |          |
| J.H.Frank, Expense | 100.00   |          |
|                    | <hr/>    |          |
|                    | 2,900.00 | 5,735.33 |

|   |              |
|---|--------------|
| TOTAL BANK BALANCE, Reconciled, 3/31/96 | <hr/>        |
|   | \$ 13,257.27 |



## CANISTRUMS ARE COOL

THERE IS A RUMOR THAT THE "PUBLISH OR PERISH" CROWD IS EYEING GENUS CANISTRUM WITH THE OBJECT OF PUTTING IT WITH NIDULARIUM. THEREFORE, I HASTEN TO DISCUSS CANISTRUM BRIEFLY WHILE IT IS STILL A SEPARATE GENUS. THERE ARE PROBABLY NO MORE THAN A DOZEN SPECIES OF CANISTRUM AND ALL ARE NATIVE TO BRAZIL. WITH THE EXCEPTION OF *C. GIGANTEUM*, ALL ARE LOW ALTITUDE PLANTS AND THEREFORE WELL SUITED FOR GROWING IN FLORIDA. THERE ARE TWO FORMS --THOSE WITH THE INFLORESCENCE SUNK IN THE CENTER AND THOSE WITH THE BLOOM SPIKE RAISED ABOVE THE FOLIAGE. AGAIN, SOME REQUIRE LOW LIGHT GROWING CONDITIONS, BUT OTHERS THRIVE IN STRONG LIGHT, ESPECIALLY WHEN MOUNTED. MONOGRAPH XIV LISTS THEM AS TERRESTRIAL AND EPIPHYTIC, BUT MY EXPERIENCE HAS BEEN THAT SOIL GROWN PLANTS WILL EVENTUALLY WRIGGLE FREE SO THAT THE ROOTS LIE ON THE SURFACE. TIME WAS I ROOT-PRUNED AND REPOTTED, UNTIL IT DAWNED THAT THESE PLANTS WANT TO BE MOUNTED. I HAVE LISTED BELOW THE FORMS OF CANISTRUM WHICH I GROW, IN THE ORDER OF BEST TO WORST (IN MY OPINION).

1. *C. AURANTIACUM*. GROW IN BRIGHT LIGHT, MOUNTED, FOR BEST FOLIAGE COLOR AND PLANT PERSONALITY. IT IS QUITE LARGE AND STOLONIFEROUS. UNLIKE OTHER CANISTRUM, THE FLOWERS ARE A DEEP, GOLDEN YELLOW--ALMOST ORANGE. IT THRIVES WITHOUT FEEDING AND IS COLD TOLERANT.

2. *C. CYATHIFORME*. MEDIUM SIZE, WITH GREEN MOTTLED FOLIAGE, WELL SERRATED. BLOOM SPIKE IS RAISED ABOVE THE PLANT, BRACTS ARE ROSE COLORED, FLOWERS WHITE WITH YELLOW STAMENS. IT IS SLOW GROWING AND A STINGY PUPPER. I GROW IT POTTED, BUT SOMEDAY I WILL TRY IT MOUNTED AND IN BRIGHT LIGHT AS IT WOULD SURELY BE A KNOCKOUT THAT WAY.

3. *C. PERPLEXUM*. I ACQUIRED THIS PLANT FROM THE JULIAN NALLY COLLECTION AND DID NOT GET A PROPER IDENTIFICATION UNTIL IT BLOOMED. IT HAS AN ASTONISHING BLOOM SPIKE, CARRIED WELL ABOVE THE PLAIN GREEN WIDE-LEAVED FOLIAGE (THIS CANISTRUM LOOKS MORE LIKE A NIDULARIUM THAN ANY OTHER SPECIES IN THE GENUS). BRACTS ARE PALE ROSE, THE FLOWERS CHALKY WHITE OR PALE BLUE, BUT THIS IS THEN TOPPED BY A BIG WAD OF WHITE COTTONY FILAMENT. THE PLANT SELF-SEEDED AND I AM NOW OVERSTOCKED. LOW LIGHT.

4. *C. TRIANGULARE*. SOME YEARS AGO WE CALLED THIS PLANT *C. LEOPARDINUM* AND IT WAS WHAT I TERMED "TEACHER'S PET" BECAUSE SHOW JUDGES REALLY WENT FOR IT AND GAVE IT TOP HONORS. IT IS A SMALL, HARD LEAVED, STOLONIFEROUS PLANT WITH SPOTTED FOLIAGE AND BLACK LEAF SPINES. IT SHOULD BE MOUNTED, GROWN FAIRLY DRY AND IN BRIGHT LIGHT. WHEN POTTED, IT IS DIFFICULT TO KEEP THE LEAVES HEALTHY. I HAVE NEVER NOTICED IT IN BLOOM, AND MONOGRAPH XIV DOES NOT MENTION FLOWERS OR COLOR, EITHER.

5. *C. LINDENII*. THIS IS THE BEST KNOWN SPECIES IN THE GENUS, BUT, EXCEPT FOR *C. LINDENII VARIEGATA* AND *C. LINDENII ALBO-MARGINATA ELATUM*, I VOTE FOR SENDING ALL THE REST BACK TO BRAZIL. THEY ARE BIG, LOW LIGHT, GREEN PLANTS WITH (USUALLY) A SUNKEN COLORLESS INFLORESCENCE. *C. LINDENII ALBO-MARGINATA* GROWS TO ENORMOUS SIZE, HAS A HANDSOME, RAISED BLOOM SPIKE AND THE MARGINATION IS STABLE. IT AND THE VARIEGATED FORM ARE ATTRACTIVE PLANTS, BUT THE VARIEGATED FORM TENDS TO LOSE VARIEGATION WITH MATURITY OR WHEN GROWN IN BRIGHT LIGHT.

#### WEEVIL FUND ANALYSIS

##### FUND SOURCES:

|                                      |                    |
|--------------------------------------|--------------------|
| Bromeliad Society of South Florida   | 1,478.00           |
| Seminole Bromeliad Society           | 810.60             |
| Bromeliad Society of Central Florida | 470.00             |
| Caloosahatchee Bromeliad Society     | 7,111.00           |
| West Pasco Bromeliad Society         | 387.00             |
| Imperial Polk Bromeliad Society      | 195.00             |
| Florida West Coast Bromeliad Society | 940.00             |
| Sarasota Bromeliad Society           | 627.00             |
| Bromeliad Guild of Tampa Bay         | 5,000.00           |
| Jacksonville Bromeliad Society       | 26.00              |
| Broward Bromeliad Society            | 310.00             |
| Nat DeLeon                           | 255.40             |
| Pineapple Place                      | 130.00             |
| Frank Cowan                          | 20.00              |
| H. Tarver                            | 10.00              |
| Polly Pascal                         | 10.00              |
| Miscellaneaou                        | 58.00              |
| Connie Johnson                       | 55.00              |
| Total                                | <u>\$17,893.00</u> |



FLORIDA COUNCIL OF BROMELIAD SOCIETIES, INC.  
MINUTES FROM APRIL 27, 1996 MEETING  
SUBMITTED: JOY MEYER, ACTING SECRETARY

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THE MEETING WAS CALLED TO ORDER BY CHAIRMAN AL MUZZELL AT 1:20 PM IN THE SEMINAR ROOM OF THE DEPT. OF ENTOMOLOGY & NEMATOLOGY AT THE UNIVERSITY OF FLORIDA; GAINESVILLE, FL. THE MINUTES FROM THE LAST MEETING WERE ACCEPTED AS PRESENTED.

TREASURER'S REPORT: CAROL JOHNSON DISTRIBUTED THE PRINTED REPORT:

|                               |             |
|-------------------------------|-------------|
| GENERAL FUND BALANCE, 3/31/96 | \$ 7,521.94 |
| WEEVIL FUND BALANCE, 3/31/96  | 5,735.33    |
| TOTAL                         | \$13,257.27 |

REPORT ACCEPTED AS PRESENTED.

DISCUSSION OF TWO POSSIBLE BROMELIAD SOCIETIES IN THE BOCA RATON & VERO BEACH AREAS FOLLOWED. ED HALL WILL CHECK IT OUT.

NEW OFFICERS: LOU WILSON OF THE CBS WAS WELCOMED AS VICE CHAIRMAN.

ORLANDIANA 1996: ED HALL DISTRIBUTED PACKETS WITH PLANT ENTRY FORMS. NARDA ENANDER BROUGHT UP THE NEED FOR VOLUNTEERS FOR THE CONFERENCE. SHE REPORTED THAT VOLUNTEERS FOR AT LEAST TWO HOURS WOULD RECEIVE A MEAL VOUCHER. DISCUSSION FOLLOWED ABOUT WHETHER PLANNING WAS IN PLACE FOR THE BENEFIT AUCTION FOR BIC. CAROL JOHNSON VOLUNTEERED TO CONTACT CONF. CHAIRMAN BUD MARTIN ABOUT IT.

EXTRAVAGANZA 1996: THE EXTRAVAGANZA & AUCTION WILL BE HELD ON SEPTEMBER 14 IN SARASOTA AND WILL BE COORDINATED BY DON BEADLE. THE NEXT FCBS MEETING, JULY 20, WILL BE PRIMARILY DEVOTED TO EXTRAVAGANZA DISCUSSION.

PUBLICATION COSTS FOR THE QUARTERLY NEWSLETTER WERE DISCUSSED. CURRENTLY THE QUARTERLY COSTS \$2.50 PER ADDRESS PER YEAR TO PUBLISH. CURRENT ASSESSMENT IS \$1.00 PER ADDRESS PER YEAR. CAROL JOHNSON SUGGESTED THAT FCBS REPS TAKE THE QUESTION OF RAISING THE ASSESSMENT TO \$2.00 PER YEAR BACK TO THEIR RESPECTIVE CLUBS FOR APPROVAL. ADOPTED.

THE NEXT MEETING OF FCBS WILL BE HELD JULY 20 IN SARASOTA, FL.

REPORT ON BIC: ELLEN BASKERVILLE NOTED THAT HARRY LUTHER HAS BEEN CONCERNED ABOUT MORE UNIFORM SHOW OF SUPPORT FOR THE BIC THROUGHOUT THE YEAR, AS OPPOSED TO THE CURRENT SINGLE ANNUAL CONTRIBUTION. THIS IS APPARENTLY IN RESPONSE TO CONCERN BY TRUSTEES OF SELBY BOTANICAL GARDENS, WHERE THE BIC IS HOUSED. CAROL JOHNSON MOVED TO SEND \$100.00 PER MONTH FOR ONE YEAR. SECONDED BY GEOFF JOHNSON. MOTION CARRIED.

GUEST SPEAKER DR. RON CAVE WAS INTRODUCED BY DR. HOWARD FRANK, PROFESSOR OF ENTOMOLOGY, U. OF FLORIDA. DR. CAVE IS AN INSTRUCTOR AT THE ESCUELA AGRICOLA PANAMERICANA, A PRIVATE SCHOOL IN HONDURAS OFFERING COLLEGE LEVEL COURSES IN AGRICULTURE. HIS RESEARCH INCLUDES WORK CONTRACTED BY FCBS TO FIND A BIOLOGICAL CONTROL AGENT FOR METAMASIVUS CALLIZONA. FOLLOWING PRIOR CONSULTATION WITH DR. FRANK, DR. CAVE PROPOSED THAT FCBS SPONSOR A STUDENT FOR THESIS DIRECTED RESEARCH ON A TACHNID FLY THAT CONSUMES THE LARVAE OF METAMASIVUS QUADRILINEATUS, A WEEVIL CLOSELY RELATED TO M.CALLIZONA.

FOLLOWING AN ILLUSTRATED PRESENTATION BY DR. CAVE (SEE PRINTED REPORT THIS NEWSLETTER), CAROL JOHNSON MOVED TO SPONSOR A SELECTED STUDENT FOR THE 4-TRIMESTER THESIS PROJECT, ESTIMATED COST APPROX. \$6,900.00. SECONDED BY GEOFF JOHNSON. CARRIED UNANIMOUSLY.

DR. HOWARD FRANK WILL PRESENT AN UPDATED REPORT ON WEEVIL RESEARCH AT THE WORLD BROMELIAD CONFERENCE AND TO THE BSI BOARD AT ITS ANNUAL MEETING THERE. EVELYN HAYES MOVED TO ASK THE BSI TO CONTRIBUTE FUNDS TO THE WEEVIL PROJECT. ELLEN BASKERVILLE OF SBS SECONDED. CARRIED UNANIMOUSLY.

GWEN CARNEGIE WON AECHMEA CAPRICE IN A SILENT AUCTION.

THE MEETING WAS ADJOURNED TO ALLOW TIME FOR A TOUR OF THE LABORATORY AND GREENHOUSE FACILITIES USED IN WEEVIL RESEARCH AT UNIVERSITY OF FLORIDA.



BROMELIAD WEEVIL BIOCONTROL PROJECT  
STUDENT THESIS PROJECT OUTLINE  
AUGUST 1996 - DECEMBER 1997

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OBJECTIVES:

1. DO NEARLY WEEKLY COLLECTIONS OF INFESTED BROMELIADS IN CERRO LA MONTANA DEL AGUACATE IN ORDER TO MEASURE WEEVIL DENSITY, PARASITISM RATES AND OBTAIN LIVESTOCK (WEEVILS & PARASITIC FLIES). COLLECTIONS WILL BE MOST INTENSE DURING THE PEAK WEEVIL MONTHS OF AUGUST-DECEMBER 1996 & JUNE-NOVEMBER 1997.
2. REAR WEEVILS ON ARTIFICIAL DIET OR UNINFESTED PLANT MATERIAL IN ORDER TO OBTAIN KNOWN NON-PARASITIZED WEEVIL LARVAE FOR PARASITIC FLY CULTURE & STUDIES.
3. DEVELOP METHOD TO REAR PARASITIC FLIES ON LABORATORY-REARED WEEVILS; DETERMINE REPRODUCTIVE BIOLOGY AND DEVELOPMENTAL TIME.
4. MAKE DIRECT OBSERVATIONS ON MATING BEHAVIOR, SEARCHING BEHAVIOR AND REPRODUCTIVE BEHAVIOR.

EXPECTED RESULTS:

- A. INCREASED KNOWLEDGE ON THE BIOLOGY OF THE PARASITIC FLY ATTACKING THE BROMELIAD WEEVIL.
- B. A REARING METHOD FOR REPRODUCING THE PARASITIC FLY IN THE LABORATORY.

TENTATIVE TIMETABLE (BY EAP TRIMESTER):

AUGUST - DECEMBER, 1996: LITERATURE SEARCH ON TACHINID BIOLOGY. FINALIZE AND APPROVE STUDENT THESIS PROPOSAL. PERFORM FIELD AND LAB WORK.

JANUARY-APRIL 1997: EMPHASIZE LAB STUDIES. OCCASIONAL FIELD WORK AS NEEDED TO SUPPORT LAB WORK.

MAY-JULY, 1997: PERFORM FIELD AND LAB WORK. BEGIN WRITING THESIS.

AUGUST-NOVEMBER 1997: PERFORM FIELD AND LAB WORK. FINALIZE THESIS. PRESENT FINISHING SEMINAR.

PROJECT COSTS: (FOR 1.5 YEARS)

US \$6,200.00 FOR STUDENT STIPEND. US \$400.00 FOR SUPPLIES AND GASOLINE. US \$300.00 FOR FIELD WORK ASSISTANT. TOTAL, US \$6,900.00.

MY FIELD ASSISTANT WHO HAS BEEN DOING THE FIELD COLLECTIONS FOR THE PAST 15 MONTHS WILL WORK WITH THE

STUDENT FOR THE FIRST TRIMESTER OF THE PROJECT IN ORDER TO TEACH THE STUDENT WHERE TO DO THE COLLECTIONS, HOW TO RECOGNIZE AND COLLECT WEEVIL INFESTED PLANTS AND HOW TO DISSECT PLANTS WITH MINIMUM DAMAGE TO PLANT AND NO DAMAGE TO WEEVIL LARVAE AND PUPAE. AFTERWARD, THE FIELD ASSISTANT WILL PROVIDE MANUAL ASSISTANCE TO THE STUDENT FOR THE FIELD WORK.

THE STUDENT WILL WORK UNDER MY DIRECT SUPERVISION IN THE CENTER FOR BIOLOGICAL CONTROL IN CENTRAL AMERICA (CCBCA). THE STUDENT ADVISORY COMMITTEE WILL BE COMPRISED OF R. CAVE, H. FRANK (U. OF FLORIDA) AND ONE OTHER EAP PROFESSOR. THE STUDENT IS EXPECTED TO DEDICATE FULL-TIME TO HIS OR HER STUDIES AND THESIS FOR THE DURATION OF THE PROJECT. WHILE NOT IN CLASS, THE STUDENT IS EXPECTED TO BE PERFORMING WORK IN THE FIELD OR LABORATORY TOWARDS THE ADVANCEMENT OF THE THESIS. AT THE END OF EACH TRIMESTER, THE STUDENT IS EVALUATED ON THE QUANTITY AND QUALITY OF WORK PERFORMED AND THIS IS REPORTED TO THE DEAN'S AND REGISTRAR'S OFFICES. THE STUDENT IS EXPECTED TO PRESENT A SEMINAR OF THE THESIS PROPOSAL DURING THE FIRST TRIMESTER OF STUDY, A PROGRESS SEMINAR MIDWAY THROUGH THE COURSE OF STUDY AND A FINISHING (EXIT) SEMINAR DURING THE FINAL TRIMESTER OF STUDY. THE STUDENT IS EXPELLED IF HIS OR HER OVERALL GPA IS BELOW 2.3 FOR TWO CONSECUTIVE TRIMESTERS. AN OVERALL GPA OF 2.5 OR MORE IS REQUIRED FOR GRADUATION.

ALL MATERIALS AND EQUIPMENT PERTAINING TO THE CCBCA AND THE PLANT PROTECTION DEPARTMENT ARE AVAILABLE FOR USE BY THE STUDENT. THESE INCLUDE THE CCBCA VEHICLE AND OTHER DEPARTMENT VEHICLES, REARING ROOMS, LABORATORY SPACE, CAGES, DISSECTING SCOPES AND COMPUTERS.

DR. RON CAVE  
ESCUELA AGRICOLA PANAMERICANA  
HONDURAS, CENTRAL AMERICA  
APRIL 1996





# ORLANDIANA 96

Twelfth World Bromeliad Conference • Orlando Florida

IT'S ALMOST HERE! FINAL PREPARATIONS ARE UNDER WAY FOR ORLANDIANA '96. WE ARE SURE IT IS GOING TO BE THE BIGGEST AND BEST WORLD BROMELIAD CONFERENCE EVER AND WE HOPE YOU WILL BE PART OF THIS GREAT EVENT. ALL CONFERENCE EVENTS, EXCEPT FOR THE GARDEN TOURS, ARE BEING HELD INSIDE THE CLARION PLAZA HOTEL. FOR THOSE WITH QUESTIONS, FOLLOWING IS SPECIFIC INFORMATION REGARDING MANY OF THE ACTIVITIES:

**REGISTRATION:** IF YOU HAVE NOT ALREADY DONE SO, PLEASE USE THE REGISTRATION FORM ON THE LAST PAGE OF THIS NEWSLETTER AND MAIL YOUR CHECK AS DIRECTED.

**HOTEL RESERVATIONS:** MAKE YOUR HOTEL RESERVATIONS AT THE CLARION PLAZA HOTEL BEFORE JUNE 1. AFTER THAT DATE YOU MAY HAVE TO STAY AT A NEARBY HOTEL VERSUS BEING IN THE MIDDLE OF THE CONFERENCE ACTIVITIES.

**AWARD SPONSORS:** DONATIONS FOR AWARDS FOR THE JUDGED SHOW IN AMOUNT OF \$35.00 ARE STILL BEING ACCEPTED. MAIL TO VICKY CHIRNSIDE; 951 SOUTHLAND RD.; VENICE, FL. 34293.

**SOCIETY & COMMERCIAL DISPLAYS:** SET UP IS FROM 8:00 AM TO 5:00 PM ON TUESDAY, JULY 2 & 8:00 AM TO 4:00 PM ON WEDNESDAY, JULY 3, 1996. DIRECT QUESTIONS TO NICK OR PAT CICCARELLO; 9073 RUNNYMEADE RD.; JACKSONVILLE, FL. 32217 (904) 739-0592.

**JUDGES SCHOOL:** BSI JUDGING SCHOOL No. 2 WILL BE HELD FROM 8:00 AM TO 5:00 PM, MONDAY, JULY 1, 1996. CONTACT: VALERIE STECKLER; 1143 PARADISE LN.; FERRISDAY, LA. 71334 (318) 757-7346.

**JUDGED SHOW ENTRIES:** ENTRIES ACCEPTED ON WED., JULY 3 FROM 9:00 AM TO 8:00 PM. ENTRIES MUST BE CLAIMED BETWEEN 4:00 & 5:00 PM ON SUNDAY, JULY 7, 1996. ENTRIES NOT REMOVED BY DEADLINE WILL BECOME THE PROPERTY OF THE CONFERENCE. AWARDS AND PRIZES WILL

BE FORFEITED FOR ENTRIES CLAIMED BEFORE THESE TIMES.  
LATE ENTRIES & EXCEPTIONS, CONTACT JUDGED SHOW CHAIRMAN  
BETTY ANN PREVATT; 2902 SECOND ST.; FT. MYERS, FL.  
33916, (941) 334-0242.

PLEASE MAKE A SPECIAL EFFORT TO ENTER PLANTS.

**RARE PLANT AUCTION:** PREVIEW VIEWING OF AUCTION PLANTS  
WILL BE 6:00 TO 7:00 PM FRIDAY, JULY 5, 1996. AUCTION  
HOURS ARE 7:00 TO 11:00 PM IN BALLROOM C. MICHAEL  
KIEHL; 1365 CANTERBURY RD. N.; ST PETERSBURG, FL. 33710  
(813) 347-0349 IS IN CHARGE OF THE AUCTION. PLEASE  
DONATE BROMELIADS (RARE, SEMI-RARE, WELL GROWN OR  
BLOOMING PLANTS) & BROMELIAD RELATED ART, CRAFTS OR  
BOOKS. DO NOT SEND PLANTS TO MICHAEL KIEHL. THEY  
SHOULD GO TO BUD MARTIN; 1405 PINEWAY DR.; SANFORD,  
FL. 32773. TEL. (407) 321-0838; FAX (407) 330-3045.  
AUCTION PROCEEDS GO TO THE BROMELIAD IDENTIFICATION  
CENTER SO PLEASE BE GENEROUS WITH YOUR PLANTS AND YOUR  
BIDDING. HERB HILL AND JOHN ANDERSON WILL BE THE  
AUCTIONEERS.

**CRYPTANTHUS AUCTION:** SATURDAY, 3:00 TO 5:00 PM,  
JULY 5. PREVIEW, 2-3:00 PM. DONATIONS OF PLANTS AND  
RELATED ITEMS, CONTACT BUD MARTIN (PREVIOUS PARAGRAPH)

**VOLUNTEER WORKERS:** HELP IS NEEDED DURING SETUP, IN THE  
AREA OF THE JUDGED SHOW, IN THE SALES AREA AND DURING  
TEARDOWN. MANY ARE "SIT-DOWN" JOBS. CONTACT NARDA  
ENANDER DURING THE CONFERENCE, OR BEFORE AT 12309 NW  
10TH PLACE; NEWBERRY, FL. 32669; (352) 331-6650.

-----YOU ARE REGISTERED AND ARE ARRIVING AT THE  
CONFERENCE----- HERE ARE SOME REMINDERS TO HELP YOU  
ENJOY YOUR STAY:

**BADGES:** YOUR NAME BADGE WILL BE YOUR ADMISSION TICKET  
TO ALL EVENTS, SO PLEASE WEAR IT TO ALL FUNCTIONS OF  
THE CONFERENCE.

**BUS TOURS:** BE SURE YOU HAVE RETURNED YOUR INFORMATION  
REQUESTING SPECIFIC BUS TOURS.



MEMBERSHIP & COMMERCIAL SALES: ALL SALE PLANTS MUST BE IN PLACE BY 3:30 PM THURSDAY, JULY 4. BRING SALE PLANTS FROM 8:00 AM TO 5:00 PM TUES., JULY 2; 8-4:00 PM WED., JULY 3 & 8-3:00 PM THURS., JULY 4, 1996. ALL QUESTIONS RE MEMBERS OR COMMERCIAL SALES SHOULD BE DIRECTED TO RON SCHOENAU (SEE SEPARATE PAGE OF PLANT SALE RULES THIS NEWSLETTER).

KICKOFF BREAKFAST IS THURSDAY, 7:45 AM TO 9:00 AM.

JUDGING 9:00 AM ON THURSDAY, JULY 4, 1996. JUDGES & CLERKS MEET AT 8:30 AM FOLLOWING BREAKFAST.

SNEAK PREVIEW SHOW AND SALES: 6:30-8:30 PM, JULY 4. CASH BAR BEGINNING AT 5:30 PM.

BANQUET WILL BE SATURDAY, JULY 6, 7:00 PM. CASH BAR.

GARDEN TOURS: THURSDAY, JULY 4, LEAVE 9 AM, RETURN 1 PM. FRIDAY & SATURDAY, JULY 5 & 6, 8 AM TO 12 NOON. DEPARTURE POINT IS CLARION HOTEL, BY BUS.

PLANT INSPECTION: GOVERNMENT INSPECTORS WILL BE AVAILABLE ON SUNDAY, JULY 7, 1996 TO ISSUE EXPORT CERTIFICATES FOR PLANTS BEING TAKEN OUT OF THE UNITED STATES. THE COST IS \$35.00 PER CERTIFICATE AND OUR FOREIGN GUESTS NEED TO CHECK THEIR OWN COUNTRY'S LAWS SINCE THEY MAY NEED IMPORT CERTIFICATION ALSO.

SEMINARS: THERE WILL BE SEMINARS ALL DAY FRIDAY AND SATURDAY, JULY 5 AND 6, 1996. CHECK YOUR HANDBOOK FOR SCHEDULING.

OTHER ACTIVITIES: CONTINENTAL BREAKFASTS DAILY, MID-FLORIDA MILERS WALKATHON; WORLD WIDE SHOW & TELL; LISTSERVER CYBER COFFEE.

WE HOPE TO SEE YOU THERE!!!!!!!!!!

BUD MARTIN, GENERAL CHAIRMAN

THE FLORIDA VOLKSPORT ASSOCIATION  
& THE 1996 BROMELIAD CONFERENCE,

ORLANDIANA '96

PRESENT:

10 KM & 5 KM WALKS  
(SE 96/506)

3 JULY 1996 - CLARION PLAZA HOTEL

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**TIME:** START, BETWEEN 0700 & 0930, FINISH BY 1200

**COURSE DESCRIPTION:** The course instructions are provided. Route marked by signs at key locations.

The 10 km Volkswalk is through International Drive starting at the Clarion Hotel. Rating: 1; suitable for strollers but not wheelchairs.

The 5 km walk is through International Drive. Rating: 1; suitable for strollers and wheelchairs.

**DIRECTIONS:** From I-4 exit at Sand Lake Road and proceed east to International Drive. Turn right and go 11/2 miles to the Clarion. Exit from SR 528 (Bee Line) at Exit 2, International Drive and drive mile north to the Clarion.

**REGISTRATION:** The event is free if you do not desire credit or an award. Preregistration fee is \$5.00 for an "A" Award. Fee for the IVV credit at the walk is \$2.00, \$5.00 for the "A" Award. The event takes place regardless of weather conditions. No refund is made for no-shows or weather.

**FOOD and WATER:** Water and hard candy are available at the Start/Finish and the control point; however it is recommended that you carry your own drinking water. On both routes commercial establishments are available to purchase snacks and drinks.

**WALK AVA**





MEMBERS GENERAL PLANT SALES RULES

1. PLANT SALE CHAIRMAN IS RONALD SCHOENAU.
2. GENERAL SALES NUMBERS ARE REQUIRED AND WILL BE ASSIGNED TO GROWER BY THE SALES CHAIRMAN. CONTACT HIM AT (352) 372-6589 OR FAX (352) 372-8823 OR AT P.O. BOX 12981; GAINESVILLE, FL. 32604-0981.
3. ELIGIBILITY TO SELL: GROWER MUST BE A FULL REGISTRANT FOR ORLANDIANA '96. UNDER EXTRAORDINARY CIRCUMSTANCES, AN EXCEPTION MAY BE ARRANGED WITH THE SALES CHAIRMAN AT LEAST ONE WEEK PRIOR TO THE CONFERENCE.

GROWERS MUST WORK A MINIMUM OF 4 HOURS CASHIERING OR IN THE GENERAL SALES AREA. BEFORE CHECKS ARE MAILED, THIS WILL BE VERIFIED & ANYONE NOT MEETING THIS OBLIGATION WILL HAVE DONATED THE PROFITS FROM SALE PLANTS TO THE CONFERENCE.

GENERAL SALES IS AN AREA WHERE GROWERS SHARE PLANTS FROM THEIR COLLECTIONS. IT IS NOT AN APPROPRIATE PLACE FOR DISPOSAL OF PLANTS ACQUIRED FOR RESALE; COMMERCIAL SALES PROVIDES FOR THAT.

THOSE REGISTERED AS COMMERCIAL GROWERS ARE NOT ELIGIBLE TO SELL IN THE GENERAL SALES.

4. LIMIT: NO LIMIT IS PLACED ON THE NUMBER OF PLANTS FROM A SINGLE GROWER. HOWEVER, ANY GROWER CONTEMPLATING BRINGING MORE THAN 300 PLANTS SHOULD NOTIFY THE SALES CHAIRMAN IN ADVANCE.

5. PERCENTAGE TO SHOW & GROWER: 65% OF THE SELLING PRICE WILL BE REMITTED TO THE GROWER. FLORIDA SALES TAX WILL BE PAID BY ORLANDIANA '96 FROM THE REMAINING 35%.

6. HOURS: FOR PLANT SUBMISSION HOURS, SALE HOURS AND PICK UP INFORMATION, SEE MASTER SCHEDULE. NO PLANT SALES PERMITTED OUTSIDE PUBLISHED HOURS.

7. CONDITION OF SALE PLANTS: PLANTS MUST BE BROMELIADS IN CLEAN POTS, FREE OF INSECTS AND DISEASE. DISEASED

OR OTHERWISE UNDESIRABLE PLANTS WILL BE REMOVED AT THE DISCRETION OF THE PLANT SALES CHAIRMAN. PLANTS IN POTS MUST BE WELL ROOTED AND SECURE. MOUNTED PLANTS MUST BE WELL SECURED ON THEIR MOUNT. BARE ROOT PLANTS MUST BE PACKAGED AS FOLLOWS:

- (A) IN CLEAR PLASTIC BAGS.
- (B) BAGS MUST BE SECURELY SEALED OR TAPED.
- (C) NO LOOSE DEBRIS IN THE BAG.
- (D) LOOSE PLANTS WITHOUT ROOTS MUST BE CLEAN.
- (E) NAME & PRICE TAGS MAY BE ATTACHED WITH WIRE OR RUBBER BAND.

8. PRICING: PLANTS MUST BE PRICED IN MULTIPLES OF \$1.00. THE LOWEST PRICE WILL BE \$1. PLANTS PRICED IN ANY OTHER MANNER WILL NOT BE ACCEPTED, AND MUST BE PRICED PRIOR TO BEING BROUGHT TO CONFERENCE PREMISES. WE DO NOT HAVE SPACE TO PERMIT GROWERS TO PERFORM THIS TASK IN THE SALE AREA. ALL PLANTS MUST BE MARKED WITH THE GROWER NUMBER AND PRICE. PLANT NAME, PRICE AND GROWER NUMBER MAY BE ON A SINGLE TAG. SALES WILL BE TALLIED ON AN ELECTRONIC CASH REGISTER, SO TAGS WILL NOT BE PULLED. FOR ADDED PROTECTION, GROWERS MAY WISH TO FURTHER MARK POTS WITH MASKING TAPE WHICH ALSO CARRIES GROWER NUMBER AND PLANT PRICE.

9. PLACING PLANTS: ALL PLANTS WILL BE PLACED ON SALES TABLES BY CHAIRMAN OR HIS DESIGNEES. IF FEASIBLE, THE PLANT SALES AREA WILL BE SECTIONED BY VARIOUS GENERA.

10. PLANT PICK UP AFTER SALE: PLANTS NOT PICKED UP PRIOR TO DEADLINE DATE AND TIME NOTED IN MASTER SCHEDULE WILL BE DEEMED DONATIONS TO ORLANDIANA '96.

11. SECURITY: REASONABLE PRECAUTIONS WILL BE EXERCISED. HOWEVER, ANY LOSS WILL BE THE RESPONSIBILITY OF THE PLANT OWNER.

NO CREDIT CARDS WILL BE ACCEPTED IN PAYMENT FOR PLANTS, BUT THERE IS AN ATM IN THE MAIN LOBBY OF THE CLARION PLAZA HOTEL.





# ORLANDIANA 96

Twelfth World Bromeliad Conference • Orlando Florida

## 1996 WORLD BROMELIAD CONFERENCE JULY 4-7, 1996 ORLANDO FLORIDA

ARE YOU READY? COME EARLY, BRING THE FAMILY, VACATION!

### HIGHLIGHTS

Welcome To The Conference Breakfast on July 4, Plant Sale Preview Party on July 5th, Banquet on July 6th, seminars on a wide range of bromeliad topics, garden tours, a standard judged show, plant sales, a proceedings of the conference book including 8 pages of color pictures, and more.

### CONFERENCE REGISTRATION RATES:

Early.....\$130.00  
    Until March 31, 1996  
Regular.....\$150.00  
    Until June 28, 1996  
Late.....\$155.00  
    After June 28, 1996  
Available at the door only!

The Host Hotel: CLARION PLAZA HOTEL ORLANDO (Reservations 1-800-627-8258)  
The official airline: CONTINENTAL AIRLINES

The Conference is being sponsored by:  
THE BROMELIAD SOCIETY OF CENTRAL FLORIDA, FLORIDA EAST COAST BROMELIAD SOCIETY,  
SEMINOLE BROMELIAD SOCIETY, THE FLORIDA COUNCIL OF BROMELIAD SOCIETIES  
AND THE BROMELIAD SOCIETY INC

### REGISTRATION FORM 1996 WORLD BROMELIAD CONFERENCE Please print or type

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_  
ZIP \_\_\_\_\_ COUNTRY \_\_\_\_\_  
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AMOUNT ENCLOSED \_\_\_\_\_ US DOLLARS ONLY  
BSI AFFILIATE SOCIETY \_\_\_\_\_

Make check payable to: 1996 World Bromeliad Conference  
Mail registration form to: Betsy McCrory, Registration Chair  
3615 Boggy Creek Road  
Kissimmee FL 34744  
(407) 348-2139

Refunds: Only with written request prior to June 15, 1996. \$30 processing fee on all refunds.