A message from Mr. Jason Hardman,
SWF ASHRAE President

Hope everyone had a safe and happy Easter! The snowbirds appear to have started heading North as the roads are beginning to become less crowded!

Last month, our own Lawrin Ellis, spoke regarding the requirements and process for electronically signing and sealing documents. It is very important and Lawrin did an excellent job in making it a fun and interesting meeting! Thanks again Lawrin!

We continue planning for our upcoming Fishing Tournament and CRC and we are still looking for sponsors. Thank you to those that have already committed! As soon as the sponsorship is paid, your Company logo will be included on the website as well as through ongoing correspondence, so get them in ASAP to maximize your dollars! 😊

Thank you,
Jason Hardman
jhardman@tombarrow.com

Lawrin Ellis, P.E., speaker for March 2016 Meeting and Jason Hardman, SWFL President

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Upcoming Events

April 13th, 2016
- Ray Patenaude

April 30th, 2016 – Fishing Tournament

May 11th, 2016
- Chris Mathis
- Past President’s Night

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Main Program: Humidity Control in Buildings

Designing buildings for humidity control requires the integration of techniques found in the ASHRAE Humidity Control Design Guide. Mr. Patenaude, P.E. will provide a presentation on the fundamentals of humidity control including estimating dehumidification loads, control of outdoor ventilation air with the use of dedicated outdoor air systems and building air pressurization. These three building systems are the main cause for concern for HVAC Engineers and comprise most building failures in hot and humid areas.

Guest Speaker: Raymond E. Patenaude, PE

Raymond E. Patenaude, PE, CPMP, CIAQP, CEM, Managing Partner of the Holmes Engineering Group LLC, is a registered Florida Professional Engineer specializing in forensic engineering of HVAC systems, moisture intrusion into buildings, and microbial contamination of building environments. He has been a Consulting and Forensic Engineer for over thirty-four years involved with the analysis, design and construction of building systems. As a recognized expert in his field, Mr. Patenaude, provides professional consultation and forensic investigation in building science including: cause and origin of construction defects; building envelope assessments; HVAC failure cause analysis; energy analysis; moisture intrusion; mold growth investigations; remediation management; claims and litigation support.

Mr. Patenaude is a former ASHRAE Vice President and current Distinguished Lecturer. He serves the Society as a member of TC 1.12, Moisture Management in Buildings, Past Chair of the Project Monitoring Sub-Committee for the new “ASHRAE Guide for Buildings in Hot and Humid Climates” and a member of Standard 100, “Energy Conservation in Existing Buildings”. In addition, Mr. Patenaude is also a member of the National Society of Professional Engineers, the National Academy of Forensic Engineers, the National Academy of Building Inspection Engineers, the Florida Engineering Society, Indoor Air Quality Association, and the Chairman of the Board of the Certified Indoor Air Quality Professionals. He has presented at various worldwide conferences including ISHRAE and FEBRAVA.
Refrigeration Update – James Martin

DOE Seeks to Include ‘Miscellaneous Refrigeration Products’ Under Energy Regulations

WASHINGTON, D.C.—The U.S. Department of Energy (DOE) is initiating a rulemaking to develop a potential test procedure and energy conservation standard for miscellaneous residential refrigeration products (MREFs), which include coolers and combination cooler-refrigeration products, that are not currently covered as residential refrigerators, refrigerator-freezers, or freezers under the Energy Policy and Conservation Act. DOE is also proposing specific definitions of the product categories that would fall within the MREF product type. In addition, DOE is proposing to amend its current definitions for refrigerators, refrigerator-freezers, and freezers to help clarify the distinctions between the proposed covered product definitions for MREFs. DOE is seeking public comment by April 4 on the proposed rulemaking.

— Article by endustry@ashrae.org The HVAC&R Industry, Weekly News – March 10, 2016 Vol. 15, No. 9

Student Activities – Bill Malphus

K-12

On March 24, 2016 the Collier County 2016 Building and Trades Fair was held at Palmetto Ridge High School. An ASHRAE table booth was set up and maintained by Kathleen Simpson, Jason Hardman, Woody Wilson and Bill Malphus.

The Fair was between 9:00am and 1:00pm. The Fair was attended by students in the construction academy of the Palmetto Ridge and Lely High Schools. Over 150 students were present to view the various booths set up by General Contractors, Mechanical Contractors, Collier County Public Works, and distribution warehouses. At the ASHRAE booth we discussed how to go about a career in the HVAC&R industry, weather it be through an engineering degree or HVAC apprenticeship. Brochures were available on “The Path to Engineering” which helps students on what they must do to pursue engineering degrees. This helped answer the questions from the student as to How do I get into the HVAC industry and studies.

K-12/ Stem Award.

Southwest Florida Chapter now qualifies for the K-12/Stem award and application has been submitted. It requires all chapter officers to participate in at least one K-12 activity.

Southwest Florida Chapter

Please see the attached information and forms for the

SWFL ASHRAE fishing tournament
and
C.R.C.!
Top 10 Ways Homeowners Can Ensure Good Indoor Air Quality

from the American Society of Heating, Refrigerating and Air-Conditioning Engineers

1. Vent bathrooms, kitchens, toilets and laundry rooms directly outdoors. Use energy efficient and quiet fans.

2. Avoid locating furnaces, air conditioners and ductwork in garages or other spaces where they can inadvertently draw contaminants into the house.

3. Properly vent fireplaces, wood stoves and other hearth products; use tight doors and outdoor air intakes when possible.

4. Vent clothes dryers and central vacuum cleaners directly outdoors.

5. Store toxic or volatile compounds such as paints, solvents, cleaners and pesticides out of the occupiable space.

6. Minimize or avoid unvented combustion sources such as candles, cigarettes, indoor barbecues, decorative combustion appliances or vent-free heaters.

7. Provide operable windows to accommodate unusual sources or high-polluting events, such as the use of home cleaning products, hobby activities, etc.

8. Use sealed-combustion, power-vented or condensing water heaters and furnaces. When natural-draft applications must be used, they should be tested for proper venting and should be located outside the occupiable space when possible.

9. Put a good particle filter or air cleaner in your air handling system to keep dirt out of the air and off of your ductwork and heating and cooling components.

10. Distribute a minimum level of outdoor air throughout the home, using whole-house mechanical ventilation.


www.ashrae.org
FPL and ASHRAE joined forces to clean up and beautify the area of Manatee Park located in Lee County. Pat Graef and Richard Brooks are pictured here working hard with smiles as they replant and sustain the park area.
Proudly Invites You To Join Us For Our:

2016 ANNUAL BACKWATER FISHING TOURNAMENT

Saturday April 30th, 2016

PRIZES will be awarded for:

- Best Team Catch (SNOOK, REDFISH & TROUT) total combined weight
- 1st Place, 2nd Place, 3rd Place and (4th Place with over 15 boat entry)

* REDFISH with the most spots.
* MYSTERY FISH (HEAVIEST SINGLE FISH announced at captain’s meeting)
* HEAVIEST Tournament fish by LADY ANGLER
* HEAVIEST Tournament fish by JUNIOR ANGLER

Entry Fee is $100.00 per person

Paid entry includes:
Tournament Entry, Tournament T-shirt, Tickets for Drawings, and Awards Dinner

Families Welcome!

Dinner tickets can be purchased separately for $25.00 each. Children under 12 years of age are $15.00 each. Weigh-in and awards dinner will be held at Pinchers (located at 5991 Silver King Boulevard, Cape Coral, Florida 33914).

A Mandatory Captain’s Meeting will be held Friday April 29th, 2016 @ 6:00 PM at the Islamorada Fish Company Seafood Restaurant in the Bass Pro Shops Fort Myers (located in the Gulf Coast Town Center). One representative from each Team is required to attend to pick up Rules, Tournament T-shirts and register your vessel!

Please direct all questions to: Shane Vaughan via phone at (239) 851-3715, or e-mail at svaughan@bandiflorida.com

ASHRAE (American Society of Heating, Refrigerating, and Air-conditioning Engineers), founded in 1894, is an international not-for-profit organization of 53,000 persons. ASHRAE’s mission is advancing the art and science of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education. A portion of Tournament proceeds are donated to ASHRAE research on behalf of the Southwest Florida Chapter.
Tournament Rules

Thank you for entering the Annual Southwest Florida Backwater Fishing Tournament hosted by the Southwest Florida Chapter of ASHRAE. The festivities will begin this year on Friday evening April 29th at the Islamorada Fish Company Seafood Restaurant at Bass Pro Shops Fort Myers (located in the Gulf Coast Town Center). The Captains meeting begins at 6:00 PM, which will be a cash bar social. One member from each fishing team is required to attend to register their boat and to pick up the tournament T-shirts and other information.

Saturday morning April 30th, 2016 is an Honor Start at 7:00AM from anywhere you would like. No lines in the water until 7:00 AM! There is no formal check-in.

The weigh-in will be at Pinchers (located at 5991 Silver King Boulevard, Cape Coral, Florida 33914) at 4:00 PM with a Dinner starting at 5:00 PM. The awards, trophies, prize drawings, and raffle will be held during dinner. All Anglers must be present to win!

Prizes will be awarded for:
- Best Team Catch (SNOOK, REDFISH & TROUT) total combined slam weight
- 1st Place, 2nd Place, 3rd Place and (4th Place with over 15 boat entry)

* REDFISH with the most spots.
* MYSTERY FISH (HEAVIEST SINGLE FISH announced at captain’s meeting)
* HEAVIEST Tournament fish by LADY ANGLER
* HEAVIEST Tournament fish by JUNIOR ANGLER

All fish caught and kept during this tournament must comply with Florida saltwater fishing regulations. Both artificial and live baits are allowed. This is a live weigh-in tournament. All fish must be kept alive and produced at weigh-in for judges to certify.

*Florida Saltwater Fishing Licenses/Endorsements are required and are your responsibility to acquire!*

If you have not paid your entry fees and turned in your registration, please do so promptly.

Please direct all questions to: Shane Vaughan via phone at (239) 851-3715, or e-mail at svaughan@bandiflorida.com
2016 ANNUAL BACKWATER FISHING TOURNAMENT

Saturday April 30\textsuperscript{th}, 2016

This is your opportunity to participate in sponsoring the state’s only ASHRAE Backwater Fishing Tournament! All prior backwater fishing events were a huge success. This year we anticipate an even bigger turnout. Please be of the first to join our team by sponsoring this event.

A Portion of the Proceeds will be contributed to ASHRAE Research

Medallion sponsorship is as follows:

- **Bronze Medallion** $200.00  
  Company logo will be printed on T-shirt

- **Silver Medallion** $300.00  
  Two paid entry fees, Company logo on T-shirt

- **Gold Medallion** $500.00  
  Four paid entry fees (transferable to anyone you wish)  
  Company Logo on T-shirt and special recognition

(1) **Platinum Medallion** $1,000.00  
  Six paid entry fees (transferable to anyone you wish)  
  Large Company Logo on T-shirt Sleeve, plus special recognition  
  *SOLD*

---

**Sponsorship Data**

- Company Name:  ____________________________________________________________ 
- Address:   ________________________________________________________________
- City/State/Zip:  ____________________________________________________________
- Telephone/Fax:  ____________________________________________________________
- E-mail:   ________________________________________________________________

**Sponsor Level:** (Please Circle One)

- Bronze ($200)  
- Silver ($300)  
- Gold ($500)  
- Platinum ($1,000)

Please make checks payable to:  Southwest Florida ASHRAE

2701 Prince Street  
Fort Myers, FL 33916  
Attn: Shane Vaughan

Or you can pay on-line with a credit card @ www.swflashrae.org

ASHRAE is a non-profit organization with Group Tax Exempt Status

*All Sponsorship forms and company logos must be sent in no later than April 1, 2016 in order to get the logos on to the shirts!*
# 2016 Annual Backwater Fishing Tournament

**Saturday April 30th, 2016**

**Official Entry Form**

<table>
<thead>
<tr>
<th>Captain Name</th>
<th>Shirt Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Team Name</th>
</tr>
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<tbody>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Vessel Make</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Vessel Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vessel Color</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Additional Team Members**

1. [Name]  [Shirt Size ______]
2. [Name]  [Shirt Size ______]
3. [Name]  [Shirt Size ______]

I represent by my signature below that my crew and I will comply with the rules of the Annual Backwater Tournament. We will comply with the guidelines established by the State of Florida pertaining to lengths and limits of fish. I understand that I am responsible for my boat and crew at all times and that my vessel meets the minimum safety requirements set by the State of Florida. I hereby release the Southwest Florida Chapter of ASHRAE, its principals and affiliates from all liability.

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**CAPTAIN SIGNATURE**  **DATE**

Please return this completed form **NO LATER THAN 04/15/2016** to:

Southwest Florida ASHRAE  
2701 Prince Street  
Fort Myers, FL 33916  
Attn: Shane Vaughan  
Phone: (239) 851-3715, Fax: (239) 332-5928, or e-mail: svaughan@bandiflorida.com

Please make checks payable to Southwest Florida ASHRAE  
Or you can pay on-line with a credit card at [www.swflashrae.org](http://www.swflashrae.org)
We’d like to see your logo up here too! Contact Kathleen Simpson (ksimpson@bandiflorida.com) for any help you need on Sponsorships.
Gold Sponsors

Flow Control Technology Company LLC
Precision Flow Control & Monitoring Systems

AHRI
AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE
we make life better®
Thanks to:

Conditioned Air
## Bonita Springs, Florida
### Hyatt Regency Coconut Point
#### August 3rd – 6th, 2016

### Registration Form

**NAME:** _________________________  **COMPANION/SPOUSE:** _________________________

**CONTACT PHONE #:** _______________  **EMAIL:** _______________________________

**ADDRESS:** ___________________________________________________________

**STREET**  **CITY**  **STATE**  **ZIP**

**CHAPTER:** ______________________  **DEL./ALTERNATE:** ____  **MEMBER ___**  **STUDENT ___**

**ASHRAE POSITION FOR FY 2016/2017:** _______________________________________

### Full Registration Packages

<table>
<thead>
<tr>
<th>Packages</th>
<th>No.:</th>
<th>Up to July 1st, 2016</th>
<th>After July 1st, 2016</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Delegate/Alternate*</td>
<td>_____</td>
<td>$290.00</td>
<td>$390.00</td>
<td>$________</td>
</tr>
<tr>
<td>Full Member Registration*</td>
<td>_____</td>
<td>$290.00</td>
<td>$390.00</td>
<td>$________</td>
</tr>
<tr>
<td>Companion/Spouse**</td>
<td>_____</td>
<td>$145.00</td>
<td>$170.00</td>
<td>$________</td>
</tr>
<tr>
<td>Committee Chapter Chair***</td>
<td>_____</td>
<td>$195.00</td>
<td>$225.00</td>
<td>$________</td>
</tr>
</tbody>
</table>

*Admission to ALL events, this is expected of Chapter Delegates, Alternates and Regional and Society Officers. Chapter members are encouraged to participate for an enriched experience.

**Includes: Welcome Reception, Presidential Luncheon (Friday), Sponsor Recognition Dinner (Friday), and Awards Luncheon (Saturday)

***Includes: Sponsor Recognition Dinner (Friday), Awards Luncheon (Saturday) and Workshop (Saturday)

### Individual Event Registration

**Wednesday, Aug. 3, 2016**

Golf Tournament and other events are being planned, refer to website and email updates in future.

*Please indicate if you will be participating in Golf Tournament _______

**Thursday, Aug. 4, 2016 and Friday, Aug. 5, 2016**

Technical Program (PDH points will be available)

<table>
<thead>
<tr>
<th>Event</th>
<th>No.:</th>
<th>Member†</th>
<th>Non-Member</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>½ Day 4 hour Student</td>
<td>_____</td>
<td>$30.00</td>
<td>$60.00</td>
<td>$________</td>
</tr>
</tbody>
</table>

*Full Member Registration will have Full Access to all Technical Sessions (Free)

YEA Event  

<table>
<thead>
<tr>
<th>Welcome Reception</th>
<th>Up to July 1st, 2016</th>
<th>After July 1st, 2016</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$55.00</td>
<td>$65.00</td>
<td>$________</td>
</tr>
</tbody>
</table>
Friday, August 5, 2016

Up to July 1st, 2016 $60.00
After July 1st, 2016 $70.00

President/PAOE Awards Luncheon
Sponsor Recognition/Award Dinner

Saturday, August 6, 2016

Workshop Registration $50.00
Awards Luncheon $60.00
Just Lunches Package $115.00

Total Enclosed from Above: $__________

- Membership Applications will be available for those willing to join that day
- Hospitality Suite is complimentary for all registrants
- Spouse and companion events are currently being planned – more information to follow

Make Check Payable to “SouthWest Florida ASHRAE”

Mail to: B&I Contractors, Inc.
ATTN: Kathleen Simpson
2701 Prince Street
Fort Myers, Florida 33916
RE: ASHRAE

For further information or if special dietary needs are requested, please contact Kathleen Simpson (KSimpson@bandiflorida.com) or Jason Hardman (JHardman@tombarrow.com)

Hotel Rates Good Thru July 4th, 2016

Making Reservations

Hyatt Regency at Coconut Point
5001 Coconut Road, Bonita Springs, Florida 34134

If calling in a reservation, please ask for the ASHRAE SouthWest Florida rate. Discounted rates will be available for a few days before and after the event provided rooms are available. The CRC Committee encourages booking early. For your convenience, a dedicated website from Hyatt is now available to book their hotel rooms online. Reservations can be made at this web address:

Booking Website: https://resweb.passkey.com/go/ASHRAEGeneralMeeting2016

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Single Occupancy</th>
<th>Double Occupancy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double/King Standard</td>
<td>$149.00</td>
<td>$149.00</td>
</tr>
<tr>
<td>Double/King with a View (No Balcony)</td>
<td>$179.00</td>
<td>$179.00</td>
</tr>
<tr>
<td>Double/King with a View (Balcony)</td>
<td>$209.00</td>
<td>$209.00</td>
</tr>
<tr>
<td>Regency Club Double/King</td>
<td>$274.00</td>
<td>$274.00</td>
</tr>
</tbody>
</table>

*Note:
- When booking online or by phone, your credit card information is used to guarantee the reservation, it will not be charged until the event.
- Priced rooms above are first come, first serve. These will sell out, so please book as soon as possible.
ASHRAE CRC 2016 Region XII
Sponsorship Commitment Form

Please check box next to Sponsorship(s) you are committing to:

- VENDOR SELECT PREMIUM SPONSORSHIP - $5,000.00 (FIRST COME, FIRST SERVE)
- PLATINUM - $2,500.00
- GOLD - $1,500.00
- SILVER - $1,000.00
- BRONZE - $500.00
- FRIENDS OF ASHRAE - $250.00
- LANYARDS - $2,000.00 (FIRST COME, FIRST SERVE)
- TECH TOPIC - $2,500.00 (FIRST COME, FIRST SERVE)
- RECEPTION DINNER - $1,000.00 (FIRST COME, FIRST SERVE)
- HOSPITALITY SUITE - $1,000.00 (FIRST COME, FIRST SERVE)
- SWAG BAGS - $750.00 (FIRST COME, FIRST SERVE)
- YEA EVENT - $500.00 (FIRST COME, FIRST SERVE)
- WELCOME PARTY - $500.00
- GOLF OUTING - $500.00

Please check box if you will be providing SWAG:

- SWAG BAG SPONSOR DONATIONS
  - Included with commitment of any Sponsorship Donation above
  - Submit your company logo items to be placed in SWAG Bags, minimum 200 items

Company Name: ________________________________
Contact Name: ________________________________
Contact Phone Number: __________________________
Contact Email: _________________________________
Company Website: ______________________________
ASHRAE Invoice to secure corporate check: Y or N (circle one)
*Provide company logo if available at time of return

Please visit http://crc.swflashrae.org for link to PayPal payment option.
Contact Kathleen for check/credit card payment info and other sponsorship options.
Please return to Kathleen Simpson @ KSimpson@bandiflorida.com or 2701 Prince Street, Fort Myers, Florida 33916
## ASHRAE CRC 2016 Region XII Sponsorship Packages

**VENDOR SELECT PREMIUM SPONSORSHIP - $5,000.00 (FIRST COME, FIRST SERVE)**
- Platinum Sponsorship Package
- OPPORTUNITY TO DISPLAY EQUIPMENT AND MATERIALS ON SITE AT HOTEL (VENDEOR SHOWCASE)

### PLATINUM - $2,500.00
- Full size logo on Sponsorship Recognition Board at all events
- Name and Logo on Custom Conference Promotional Material
- (2) Two Full Registrations (including all lunches and Sponsorship Dinner)
- Recognition on all luncheon/dinner Programs
- Bonus goodie pack (ASHRAE logo items, snacks, and promo items)

### GOLD - $1,500.00
- 3/4 size logo on Sponsorship Recognition Board at all events
- Name and Logo on Custom Conference Promotional Material
- (2) Two ASHRAE Sponsor Recognition Dinner tickets
- (2) Two ASHRAE Presidential Award Luncheon tickets
- Recognition on all luncheon/dinner Programs
- Bonus goodie pack (ASHRAE logo items, snacks, and promo items)

### SILVER - $1,000.00
- 1/2 size logo on Sponsorship Recognition Board at all events
- Name and Logo on Custom Conference Promotional Material
- (2) Two ASHRAE Sponsor Recognition Dinner tickets
- Recognition on all luncheon/dinner Programs
- Bonus goodie pack (ASHRAE logo items, snacks, and promo items)

### BRONZE - $500.00
- Name on Custom Conference Promotional Material
- Recognition on all luncheon/dinner Programs

### FRIENDS OF ASHRAE - $250.00
- Recognition on all luncheon/dinner Programs

### LANYARDS - $2,000.00 (FIRST COME, FIRST SERVE)
- Name and/or Logo on all lanyards
- Name and Logo on Luncheon Program
- Company name on Custom Conference Promotional Material

### TECH TOPIC - $2,500.00 (FIRST COME, FIRST SERVE)
- Name and Logo exclusively on all Tech Topic Event signs
- Solo recognition during event (short 5 min presentation)

### RECEPTION DINNER - $1,000.00 (FIRST COME, FIRST SERVE)
- Name and Logo exclusively on sign at Reception Dinner
- Solo recognition during event

### HOSPITALITY SUITE - $1,000.00 (FIRST COME, FIRST SERVE)
- Name and Logo exclusively displayed in Suite
- Company SWAG in Suite

### SWAG BAGS - $750.00 (FIRST COME, FIRST SERVE)
- Name/Logo on Swag Bags (reusable cloth bags)

### YEA EVENT - $500.00 (FIRST COME, FIRST SERVE)
- Name and Logo exclusively on all YEA Event signs

### WELCOME PARTY - $500.00
- Name and Logo displayed during Welcome Party

### GOLF OUTING - $500.00
- Name and Logo displayed during Golf Scramble

### SWAG BAG DONATIONS
- Included with commitment of any Sponsorship Donation above
- Submit your company logo items to be placed in SWAG Bags, minimum 200 items

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Please visit [http://crc.swflashrae.org](http://crc.swflashrae.org) for link to PayPal payment option.

Contact Kathleen for check/credit card payment info and other sponsorship options.

Please return to Kathleen Simpson @ KSimpson@bandiflorida.com or 2701 Prince Street, Fort Myers, Florida 33916