



Diffuser

Jacksonville Chapter of American Society of Heating, Refrigerating and Air - Conditioning Engineers, Inc.

April 2007

www.ashraejax.org

Volume 20 Number 6

A NOTE FROM OUR PRESIDENT

On February 17th, we had our annual President's Ball at the University Club, where we also celebrated our Chapter's 50th Anniversary. On hand to present our 50th Anniversary certificate was Ashrae Society President Mr. Terry Townsend and his wife Leatha. It was an honor to have Terry and Leatha as our special guests for this historic occasion. Many thanks goes out to Norm Anderson and Norm and Sue Poleski for their outstanding effort in coordinating this event. I would also like to thank the following corporate sponsors for their financial support: Performance Engineering, JEA and Spirax/Sarco.

Also in February, our Chapter meeting in Gainesville produced another good turn out by the students at the University of Florida. I would like to thank the following companies for their financial support in sponsoring a student at this meeting: JEA, Florida Hydronics, George Isreal Co., Affiliated Engineers, and Verrando Engineering. I would also like to thank our guest speaker for this meeting, Wayne Dunn who spoke about Engineering Sustainable Buildings. Wayne's presentation was very informative and entertaining and was very well received by the students.

During the next few months, our chapter officers will be reaching out to our Membership for financial support of Ashrae Research. Each officer has already donated \$100.00 which qualifies our chapter for the Full Circle Award, and shows our commitment to Research. Everyone's support is needed regardless of investment level. An honor roll investment is \$100.00 which amounts to about two dollars a week...that's four soft drinks a week cooled from the finding of Ashrae Research! Corporate Donations of \$150.00 qualify for honor roll investment. Typically companies in our area have contributed at levels such as \$250.00, \$500.00, \$1000.00 or more.

Your donation will be recognized at our monthly chapter meetings, in the Diffuser, on our chapter website, and in the October issue of the Ashrae Journal. Ashrae's research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Every dollar contributed towards Ashrae Research is spent on research projects. At any given time there are 80 or more projects being conducted under the Society's guiding support. When projects are completed, their findings are then made available to the public and the HVAC&R industry through various Ashrae publications.

CHAPTER MEETING SCHEDULE

April 18th	Satellite Broadcast
April 27th	Spring Golf Outing For Research Promotion Windsor Parke Golf Course
May 8th	Lunch Meeting San Jose Country Club
June 13th	Dinner Meeting San Jose Country Club Guest Speaker - Kent Peterson - incoming Society President and Installation of new officers

The simplest way to make a contribution to Ashrae is through the On-line Contribution Form located at www.ashrae.org. You can also make a check out to Ashrae Research and send it to our Chapter RP Chairman at the following address:

Rob McClure
c/o York/ Johnson Controls
8245 Bayberry Rd.
Jacksonville, Fl. 32256

Thank you in advance for you support.
Stew Sedgwick
Chapter President

2005-2006 OFFICERS, GOVERNORS, AND COMMITTEE CHAIRS

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SCHEDULED MEETINGS

April 18th
Satellite Broadcast

April 27th
Spring Golf Outing

For Research Promotion

Windsor Parke Golf Course

**JACKSONVILLE CHAPTER
 PAST PRESIDENTS**

- 1957-58* Burt Sayman
- 1958-59* John Spence
- 1959-60 Jim Hammond
- 1960-61 Paul Stewart
- 1961-62* Walt Van Wagenen
- 1962-63* Al Duffek
- 1963-64* Frank Griffo
- 1964-65 Earl Kelly
- 1965-66 W.W. Gay
- 1966-67* Dave Atkins
- 1967-68 Mac Newell
- 1968-69* Dick Goettling
- 1969-70 Frank Houser
- 1970-71* Loyd Davis
- 1971-72 Bo Beckwith
- 1972-73 Bob Myers
- 1973-74 Jim Grinnan
- 1974-75 Al Hospers
- 1975-76 Roy Colson
- 1976-77* Bob Baker
- 1977-78 Jim Baker
- 1978-79 Ben Bryan
- 1979-80 Vince Wasack
- 1980-81 Gary Wingfield
- 1981-82* Jan Thompson
- 1982-83 Ben Liebttag
- 1983-84 Lane Jackins
- 1984-85 Barney von Herrman
- 1985-86 Lynne Galbraith
- 1986-87 Dennis Mahin
- 1987-88 Fred Wheeler
- 1988-89 Mac Coble
- 1989-90 Neal Taylor
- 1990-91 Ed Grey
- 1991-92 Carl Corneally
- 1992-93 David Boree
- 1993-94 Suzanne LeViseur
- 1994-95 Alan Korb
- 1995-96 James D. Worth
- 1996-97 John M. Lavelle
- 1997-98 Glenn T. Grinnan
- 1998-99 Bryan Finch
- 1999-00 Larry Turknett
- 2000-01 Eric P. Lentz
- 2001-02 Benjamin J. Cole
- 2002-03 Scott Bohn
- 2003-04 Ronald J. Kessner
- 2004-05 Joey Robinson
- 2005-06 John Hale

*Deceased

NEW ASHRAE DATABASE

“Effective November 15, ASHRAE will launch the first phase of its new membership database. As part of this change, your login for the Web site will become your e-mail address and a password of your choice instead of your membership number and personal identification number (PIN). Key features of the new membership database include the ability for you to update your bio and manage your membership online. When logging on to ASHRAE.org on or after November 15 please use your e-mail address and password instead of your membership number and PIN. If you experience problems, please contact us at loginquestions@ashrae.org.”

The excerpt above was taken from the ASHRAE website. When you log into the ASHRAE website, you will be prompted to enter your email address, then password. At this point, your password will be your ASHRAE PIN, after entering your PIN, the system should prompt you to enter a password of your choice. Your password should contain 6-14 characters, a capital letter and a number. You may wish to pass this information on to your ASHRAE colleagues and members in your chapters. If you have any questions, please feel free to send an email to the email address listed above or contact ASHRAE Customer Service at 1-800-5-ASHRAE. Thank you for your continued support of ASHRAE activities.

Position: *Regional Sales Manager*

Heat Pipe Technology, Inc. a world leader in the field of dehumidification and heat recovery systems is currently looking for a regional sales manager to handle our expanded territory. Successful candidate must have a technical degree, B.S. in mechanical engineering preferred, and a minimum of five years exp. as a sales manager in the HVAC field. Approx. 35% travel is required. Competitive salary with a generous bonus program and a benefits package.

Please email resume' to sales@heatpipe.com <<mailto:sales@heatpipe.com>> or fax resume to (352) 367-1688 – Atten: HR

Michelle Weeks
Asst. Sales and Marketing Manager
Heat Pipe Technology
4340 NE 49th Ave.
Gainesville, FL 32609
michelle@heatpipe.com
Phone: 352-367-0999 Ext. 10
Fax: 352-367-1688



**We Are Looking For
YOU!**

Come Work For Us!

Membership Benefits

While technical education and information is one of the greatest benefits of ASHRAE membership, there are many other professional and personal advantages:

Learn Technology

ASHRAE is a great place to learn technology:

- Technical program content presented at chapter, region, and Society meetings. Presentations cover a wide range of HVAC&R topics, including Indoor air quality, Compliance with ASHRAE Standards, and more.
- Technical periodicals (link):
 - ASHRAE Journal, a monthly magazine included in your membership, reviews current HVAC&R technology of broad interest through publication of application-oriented articles.
 - The International Journal of Heating, Ventilating, Air-Conditioning and Refrigerating Research a quarterly journal, reports significant research from ASHRAE and the international HVAC&R research communities
 - IAQ Applications, a quarterly magazine, provides practical, applicable information on indoor air quality, and also provide a platform for debate on issues that surround IAQ.
- ASHRAE Handbooks — the most widely cited reference source for HVAC&R technology in the world. ASHRAE members receive one volume of the ASHRAE Handbook (which sells for \$155) each membership year at no charge..
- ASHRAE publications — some 300 current titles — which members are able to purchase at a 20% discount.
- ASHRAE professional educational products — From the ASHRAE Learning Institute, ranging from the Society's semiannual conferences to home study courses — feature discounted registration prices for ASHRAE members.
- ASHRAE Standards & Guidelines – Provide design and application guidance for your projects with more than 100 Standards and Guidelines currently in print. Members can purchase at 20% discount.

Develop Leadership Skills

ASHRAE is a great place to learn leadership skills. If you can learn to motivate volunteers via ASHRAE programs, you can soar when working with teams you are managing. With ASHRAE, there are many opportunities to lead some of the teams driving our industry's technical future.

Network with Industry Professionals

ASHRAE is a great place to network with others in our profession. Even competitors who compete fiercely on bid day can enjoy fellowship on the neutral turf of an ASHRAE meeting. Opportunities include:

- ASHRAE Chapter, Region, Society meetings
- Talk with engineers worldwide in the online forums in ASHRAE's Society Connections eNewsletter (twice monthly).

You also keep updated with the industry via:

- ASHRAE's Insights newsletter – This monthly publication provides news about ASHRAE at the chapter, region and Society levels.
- HVAC Industry eNewsletter – This weekly newsletter keeps you up-to-date on our rapidly-changing industry.

Career Advancement

ASHRAE is a good place to let it be known that you are looking to hire, or sometimes more importantly, that you are looking to be hired. Also, the ASHRAE Learning Institute provides a wide range of education courses that help you advance your career by maintaining your professional designation. Other great ways to further your career:

- Network with other HVAC&R professionals at ASHRAE Chapter, Region and Society meetings.
- Participate in the job postings on the ASHRAE web site.

Professional Development / Education

The ASHRAE Learning Institute offers a unique variety of programs to help you maintain your professional education and designation. With many of the 40+ available courses, you'll earn Continuing Education Units (CEUs) or Professional Development Hours (PDHs), and architects are eligible to receive AIA Learning Units (AIA LUs). Other benefits: by completing a course, you'll be a stronger contributor on the job and enhance your chances for career growth.

Other educational opportunities include:

- Technical topics at your local ASHRAE Chapter meetings;
- and at ASHRAE Region and Society meetings.

Industry Insight

By joining ASHRAE, you'll gain continued insight into the HVAC&R industry. You can be on the "team" with thousands of members who volunteer their time on industry-driven committees, focusing on technology, ASHRAE Standards, and other key topics. In addition, ASHRAE's weekly HVAC&R Industry eNewsletter keeps you informed in developments in our industry.

The Industry's Future: Students

ASHRAE serves a valuable function by attracting the best and brightest students to our industry. Participating in ASHRAE Student Activities gives you first shot at recruiting these students.

Other Benefits

One of the business benefits of ASHRAE membership: Group Insurance — group rate premiums on term life, high-limit accident, disability income; major medical expense, excess major medical, in-hospital expenses and Medicare supplement.



LEED for Commercial Interiors Technical Review Workshop

Certification Requirements and Process

Are you ready to enter the rapidly growing green building market?

LEED® for Commercial Interiors is the green benchmark specifically for the tenant improvement market. Attend the LEED for Commercial Interiors Technical Review Workshop presented by the U.S. Green Building Council to gain the knowledge needed to enhance project performance, achieve certification and prepare for the LEED Professional Accreditation Exam.

WHY LEARN ABOUT LEED?

The USGBC's LEED for Commercial Interiors Green Building Rating System™ gives the power to make green interiors choices to tenants and designers, who do not always have control over whole building operations. You will learn how to successfully develop a high-performance interior that is a healthier place to work, is less costly to operate and maintain, and reduces the environmental footprint. The LEED for Commercial Interiors rating system is already being used across the country and demand for expertise continues to grow. Attend this technical review workshop and learn how to get involved with this growing trend.

WHO SHOULD ATTEND?

Industry professionals seeking to increase their understanding of the LEED for Commercial Interiors Rating System and green building strategies, benefits and resources:

- Tenants
- Contractors
- Developers
- Manufacturers
- Designers
- Consultants
- Engineers

WHAT'S COVERED

- LEED for Commercial Interiors:
 - Technical requirements
 - Certification process
 - Project case studies and strategies
- Green building costs and benefits
- Available tools and resources

CONTINUING EDUCATION CREDITS AVAILABLE



HOST



North Florida Chapter

GOLD SPONSOR



April 20, 2007
8:30 am – 5:00 pm
Jacksonville, FL

Florida Community College of Jacksonville
 Kent Campus
 Room E104
 3939 Roosevelt Blvd. D-253
 Jacksonville, FL 32205

FACULTY

USGBC workshops are conducted by the top green building practitioners in the country. The following instructors are currently scheduled for this workshop (subject to change):

Holley Henderson
Carlie Bullock-Jones

REGISTRATION

To register for this or any USGBC workshop, visit www.usgbc.org/workshops/register

FEES	USGBC MEMBERS*	NON-MEMBERS
Early	\$345	\$445
Late (begins XX/XX/07)	\$375	\$495
Students NEW!	\$150 (limited availability)	

(FULL-TIME STUDENTS ONLY)

For info on student rates and all workshop inquiries, contact workshop@usgbc.org or call 202-742-3820.

Fee Includes:

- Online access to LEED for Commercial Interiors Reference Guide and a discounted price on the print edition (\$125 + S&H) when purchased at registration
- Educational handouts

Join USGBC today and start saving!

Members receive discounted rates on all workshop offerings and reference materials.

**Attendees whose firms are national members of USGBC.*



Research Promotion Golf Outing

PLACE: **Windsor Parke Golf Club**
13823 Sutton Park Drive
Jacksonville, FL 32224

DATE: **Friday, April 27, 2007**

TIME: **8:30 AM Shotgun**
Lunch \ Awards Following Round

FORMAT: **Captain's Choice**

COST: **\$125.00 Per Person**
Includes Golf, Cart, and Lunch.
Cash Beverage Cart will
be available on the course.

PRIZES: **First Place Team** *Cash Prizes*
Second Place Team *for each place*
Third Place Team *and proximities*

Proximity Prizes
On Course

Hole Sponsor: \$160.00

Foursome: \$600.00 Includes 4 golfers
and hole sponsorship.

Sign up your foursome below or individuals will be assigned a foursome as needed to complete each group. **Please note that all golf fees must be paid in advance.**

Name

Handicap

1)	_____	_____
2)	_____	_____
3)	_____	_____
4)	_____	_____

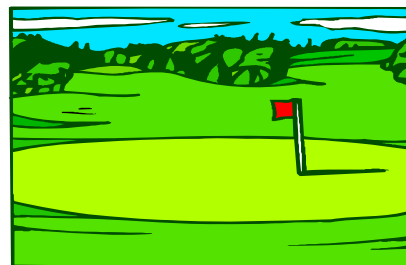
TEAM CONTACT: _____

PHONE / FAX NUMBER _____

HOLE SPONSOR: _____

Make checks payable to **ASHRAE Jacksonville Chapter** and send in with this application to:

John B. Hale
University of North Florida
4567 St. Johns Bluff Road, South
Jacksonville, FL. 32224
Fax: 904-620-2492
Phone: 904-620-1713



**Indoor Environmental Design:
Practical Solutions to Everyday Problems
SATELLITE BROADCAST/WEBCAST**

**Wednesday, April 18, 2007
1:00 p.m. - 4:00 p.m. Eastern Daylight Time**

**I N D O O R
E N V I R O N M E N T A L
D E S I G N**
PRACTICAL SOLUTIONS
TO EVERYDAY PROBLEMS

This **free** broadcast will provide specific solutions to the everyday challenges of achieving acceptable indoor environmental quality within real-world budget constraints. The program will benefit designers, building owners, architects and contractors who are faced with the daily engineering challenge of specifying systems that maximize IAQ, thermal comfort and noise control. This program is sponsored by ASHRAE's Chapter Technology Transfer Committee. For complete details, visit our website at www.ashrae.org/iedbroadcast.

How to Participate

- You may host a Satellite Broadcast site for your colleagues
- You may register to view with others at a site near you
- Or, you may register to view the Webcast on your PC

PDH Credits

Three (3) Professional Development Hours or three (3) AIA Learning Units will be awarded to viewers who complete the "Participant Reaction Form" following the program.

About the Presenters

(Visit www.ashrae.org/iedbroadcast for complete details)

- Hoy R. Bohanon, Jr.
- William J. Coad
- Lew Harriman
- Daniel In-Hout
- Christopher O. Muller

Join ASHRAE Now and Save \$50!

Viewers who are not currently ASHRAE members are cordially invited to join ASHRAE at a special introductory rate (**\$50 off**) for the first year of membership. A special membership application will be available by request at satellite broadcast sites or by request at membership@ashrae.org after March 1, 2007. [Click here](#) for information about ASHRAE member benefits.

To Register or For More Information

Online registration for Site Coordinators and Webcast viewers will begin March 1, 2007, at <http://www.ashrae.org/iedbroadcast>. Satellite broadcast participant registration will begin March 15, 2007. **There is no fee for registration.**

If you have any questions, call us at 678-539-1139 or email us at ashrae-satellitebroadcast@ashrae.org.

You are receiving this email offer from ASHRAE because you are a member, or you purchased a product/service or subscribed on our web site. To avoid having these blocked by spam-blocking software, add bookstorehelp@ashrae.org to your address book today. To no longer receive our marketing emails, send a blank email to leave-215312-3271087X@listman.ashrae.org.



1791 Tullie Circle
Atlanta, Georgia 30329

ASHRAE DC FELLOWSHIP PROGRAM

About ASHRAE's Washington, DC Fellowship Program

This program will enable selected ASHRAE members to devote a year working in government providing engineering and technical advice to policy makers in Congress, federal agencies, and the White House.

Federal Government Fellowships provide a valuable public service to the nation while at the same time providing engineers with a unique opportunity to participate directly in the policy making process. This is an exciting, rewarding, and educational period in their professional careers. This enriching experience enables fellows to bring back to their employers an insider's perspective on government decision making that can contribute significantly to the mission and vision of the organization.

There are three types of fellowships available: congressional, White House and federal agency.

1. Congressional Fellowship

The ASHRAE sponsored Congressional Fellowship program provides an opportunity for Society members to work with the U.S. Congress. As federal legislation becomes increasingly technical, the need for engineering expertise is essential. Congressional fellows participate directly in the lawmaking process and learn how the federal government operates. In addition, Congress is provided with the necessary engineering expertise and, at the end of the fellowship year, a fellow's employer has an engineer with in-depth knowledge of congressional decision-making processes.

Once chosen as a congressional fellow, the selectee identifies (with assistance from ASHRAE DC staff) his or her congressional assignment through interviews with congressional offices, with assistance from the ASHRAE government affairs staff, and with reference to the issues identified in the Public Policy Agenda of ASHRAE.

2. White House Fellowship

The ASHRAE sponsored White House Fellowship entails the placement of an ASHRAE member in the White House Office of Science and Technology Policy (OSTP) www.ostp.gov.

As a key player at OSTP, the ASHRAE Fellow will be given an opportunity to work closely with political appointees within the Executive Branch of government who are charged with carrying out the policies of the President of the United States. Responsibilities would also include reviewing congressional testimony, deciphering Government Accountability Office reports, analyzing federal budget requests, and providing scientific and technical expertise to policy-makers.

3. Federal Agency Fellowship

In this assignment, an ASHRAE member would be placed in a pertinent government agency (DOE, GSA, EPA, etc) and would provide a private sector perspective to the host agency. The Fellow would:

- educate agency scientists and engineers on the intricacies of federal policymaking;
- provide scientific expertise and analysis to support agency decision-makers confronting increasingly complex scientific and technical issues;
- foster positive exchange between scientists and agency policymakers;
- empower scientists and engineers to conduct policy-relevant research that addresses challenges facing society; and
- increase the involvement and visibility of scientists and engineers in the public policy realm.

Recruitment and Training

Members participating in the the Fellowship may serve from January through December, or September through August, at their option. An ASHRAE selection committee screens applications and conducts interviews with candidates in late spring. After the interviews, the selection committee may tentatively match finalists with available fellowship opportunities.

Members participating in the Fellowship are required to attend a two-week American Association for the Advancement of Science (AAAS) orientation course in Washington, DC, held in early September of each year. Administered by the American Association for the Advancement of Science (AAAS), the course provides useful training and a foundation for a fellow's network that serves as both a formal and informal resource for participants throughout the fellowship year.

Financial Support of Federal Government Fellows

ASHRAE has a limited number of stipends of \$45,000 per congressional/federal government fellow. Because the stipend is not intended to be the fellow's entire financial support, the remaining salary and other costs, including benefits, must be negotiated between the fellow and his or her employer.

NOTE: Society members selected for congressional fellowships typically take a one-year leave of absence from their employer.

Who Should Apply?

All Fellowship Applicants must be:

- A U.S. citizen

- ASHRAE member at the time of application.

The following credentials are encouraged:

- at least five years of professional experience;
- advanced engineering degree;
- professional engineer registration; and
- public policy experience preferred

To Apply:

To apply, fill out the online application or contact Douglas E. Read at dread@ashrae.org
ASHRAE's Washington Office
1828 L Street, N.W., Suite 906
Washington, DC 20036
Phone: (202) 785-3756 - Fax: (202) 429-9417

Program Guidelines

1. Sex, creed, race, ethnic background, and political affiliation are expressly excluded as selection criteria for Fellows.
2. The fellowship does not create an employer-employee relationship with the government or with ASHRAE.
3. During the entire selection process, federal government fellow applicants shall only contact a prospective government host office with the knowledge and consent of the ASHRAE program manager.
4. Except for the congressional fellows, final selection of the federal government fellows is conditional upon consent of the host government office where the fellow will be working during the fellowship year and successful completion of any necessary agreements between the host office and ASHRAE.
5. The federal government fellow may receive a stipend of \$45,000. The remaining salary, moving expenses, and all other costs (including fringe benefits) must be negotiated between the fellow and his or her current employer (if applicable).
6. ASHRAE's financial liability to the federal government fellow does not exceed the amount of any expenses approved by the ASHRAE program manager. No person or entity shall have any claim against ASHRAE for any other expenses nor for the actions of the fellows.
7. Federal government fellows shall be willing to make oral presentations and appearances at a reasonable number of ASHRAE functions during their fellowship year. Travel expenses for such activities will be paid by ASHRAE. Any travel must be approved in advance by the ASHRAE program manager.
8. Fellows are responsible for all out-of-pocket costs once they begin work in Washington; any costs they anticipate for which they wish ASHRAE reimbursement must be approved by the ASHRAE program manager.
9. Fellows must attend an orientation program in Washington, DC preceding the fellowship; his or her employer must be prepared to give the fellow this time off. The orientation program is paid by ASHRAE.
10. Fellows must submit monthly activity reports to the ASHRAE program manager.
11. Fellows must comply with ASHRAE policy on conflict of interest. In addition, White House Fellows must comply with executive branch policies regarding conflict of interest and financial disclosure.
12. Fellows shall not discredit the integrity of the assistance rendered to the Congress, White House, or other government office by permitting improper influence by any organization nor by action that would suggest such influence. Fellows must not engage in any partisan political activities during the term of appointment, including campaign activities.
13. In the event of malfeasance on the part of a fellow, as determined by the ASHRAE Washington Office, the fellowship may be suspended immediately.
14. After they have completed their term, fellows will be asked to serve as adjunct members of the ASHRAE Advocacy Committee and encouraged to participate in the society's public affairs activities.

This issue of the Diffuser has been made possible by the following people



Applied Mechanical Equipment, Inc.

HVAC Industry Manufacturers' Representatives

11455 Saints Road
Jacksonville, Florida 32246
Telephone (904) 642-8701
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Vice President

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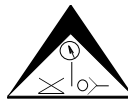
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MARK YOUR CALENDAR!

April 18th

Satellite Broadcast

April 27th

Spring Golf Outing
For Research Promotion
Windsor Parke Golf Course

May 8th

Lunch Meeting
San Jose Country Club

June 13th

Dinner Meeting
San Jose Country Club

Guest Speaker - Kent Peterson - incoming Society President and Installation of new officers

**JUST A REMINDER THAT YOUR WRITTEN ARTICLES
OR PDF FILES FOR MAY DIFFUSER NEED TO BE
SENT TO BEN COLE AT COLE.BEN@COMCAST.NET
BY THIS APRIL 20TH!!**

Notes:

1. All BOG meetings are open to the membership and will be at Florida Hydronics from 11:30 AM to 1:00 PM
2. All Jacksonville chapter meetings are at the San Jose Country Club \$25.00 for Lunch
3. All Gainesville Meetings are at the Gainesville Sheraton Hotel
4. Lunch Meetings are from 11:30 AM to 1:00 PM
5. Dinner Meetings are from 6:00 to 8:00 PM
6. Any deviations will be listed in Diffuser and on Chapter Website

