

# Diffuser

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

July/August 2003

www.ashraejax.org

Volume 16 Number 1

## A NOTE FROM OUR PRESIDENT

As I was being installed the other evening as the forty-seven president of the Jacksonville Chapter, I could not help but reflect on the tradition of excellence that has been the hallmark of this chapter, along with the personal and professional impact ASHRAE has had on me and my family.

Under Scott Bohn, our chapter continued the tradition of ASHRAE excellence. Scott also had the foresight to implement a road map that has returned our chapter to a solid financial foundation. This was especially important due to the chapter expenses associated with this year's Chapter Regional Conference in Puerto Rico and having our chapter host a similar conference in August 2004. I look forward to Scott's continued service and counsel this year as a member of the Board of Governors.

I am blessed to have a diverse group of very dedicated individuals in our chapter leadership ranks. You will find their names and positions listed in this newsletter. Since a chapter functions best when committees have 3 or 4 members, please give the committee chairs a call and volunteer to assist them. The chapter meeting schedule is also in the newsletter. John Hale as chapter vice-president is responsible for chapter programs. He has provided an outstanding blend of social and technical programs for the year. In July, we have a family outing at our new baseball park. At the August chapter meeting, we'll have an outstanding program followed by a seminar. Also in August, we have a Chapter Regional Conference (CRC) in Puerto Rico. If you have any ideas that will improve ASHRAE please get with Joey Robinson or myself so that we can present your ideas as a motion at the CRC. If your motion, is approved at CRC it is forwarded to Society for additional consideration. In September, we'll have a golf outing that Wayne Brooks will chair and a lunch meeting at the Prime Osbourne Center in conjunction with the "Plant Engineers Show" Please start thinking about putting together your foursomes for the golf outing.

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## CHAPTER MEETING SCHEDULE

July 9 <sup>th</sup>	BOG Meeting
July 19 <sup>th</sup>	Suns Baseball Game & Tour
August 6 <sup>th</sup>	BOG Meeting
August 13 <sup>th</sup> -17 <sup>th</sup>	CRC
August 19 <sup>th</sup>	Lunch Meeting
September 15 <sup>th</sup>	Golf Outing
September 24 <sup>th</sup>	Lunch Meeting
October 8 <sup>th</sup>	BOG Meeting
October 14 <sup>th</sup>	Gainesville Meeting
October 17 <sup>th</sup>	Lunch Meeting
November 5 <sup>th</sup>	BOG Meeting
November 11 <sup>th</sup>	Lunch Meeting
December 5 <sup>th</sup>	Oyster Roast
January 7 <sup>th</sup>	BOG Meeting
January 13 <sup>th</sup>	Lunch Meeting
February 4 <sup>th</sup>	BOG Meeting
February 7 <sup>th</sup>	Presidents Ball
February 17 <sup>th</sup>	Lunch Meeting
March 3 <sup>th</sup>	BOG Meeting
March 9 <sup>th</sup>	Lunch Meeting
April 7 <sup>th</sup>	BOG Meeting
April 19 <sup>th</sup>	RP Golf Outing
May 5 <sup>th</sup>	BOG Meeting
May 11 <sup>th</sup>	Lunch Meeting
June 9 <sup>th</sup>	BOG Meeting
June 15 <sup>th</sup>	Dinner Meeting

### Notes:

1. All BOG meetings are open to the membership and are at the Haskell Building in conference room 3G from 11:30 AM to 12:55 PM
2. All Jacksonville chapter meetings are at the Radisson Riverwalk Hotel
3. All Gainesville Meetings are at the Gainesville Sheraton Hotel
4. Lunch Meetings are from 11:30 AM to 12:55 PM
5. Dinner Meetings are from 6:00 to 8:00 PM
6. Any deviations will be listed in Diffuser and on Chapter Website

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 To Be Announced

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**Audit**  
 To Be Announced

**SCHEDULED MEETINGS**

**July 9<sup>th</sup> BOG Meeting**  
**Time: 11:30-12:55**

**July 19<sup>th</sup> Suns Baseball Game**  
**Time: 7:00PM**  
 Tour of the HVAC System

**August 6<sup>th</sup> BOG Meeting**  
**Time: 11:30-12:55**

**August 12-17 CRC**

**August 19<sup>th</sup> Lunch Meeting**  
 with 3 hour PDS acoustics seminar.  
**Speaker: Dr. Gary Siebier**  
**More Information on Page 7**

**September 15<sup>th</sup> Golf Outing**

**September 24<sup>th</sup> Lunch Meeting**  
 at Osbourne Center in conjunction  
 with Plant Engineers Show (PES)

**October 14<sup>th</sup> Gainesville Meeting**

**October 17<sup>th</sup> Lunch Meeting**  
 in conjunction with 4 hour PDS IAQ  
 Forum

**November 11<sup>th</sup> Lunch Meeting**

**December 5<sup>th</sup> Oyster Roast**

**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 Gailbraith
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

\*Deceased

## A NOTE FROM OUR PRESIDENT

Continued from Page 1

At the June meeting, we had incoming Society president, Richard Rooley install the new officers. This was very special for my wife, Kate and myself, since we considered Richard and his wife, Ruth, as dear friends and members of our ASHRAE family. The chain of events that led to my meeting Richard, in the summer of 1979 can be traced back to the Jacksonville chapter.

I became a member of ASHRAE shortly after arriving in Jacksonville in 1972. The chapter had dinner meetings that continued to wee hours of the morning, the entire oyster roast was done by the membership which included all the set-up, cleaning the oyster, cooking, and clean-up the next morning. Having no family in the area, some of the people we met through the chapter became "family" and have continued to be lifelong friends. Thanks to Frank Houser, who chaired the 1977 Region IV CRC, I ended-up helping Frank, by chairing the social events which included the Oyster Roast. The CRC and Oyster Roast was a great success. Kate and myself met a lot of great people that later became part of our growing ASHRAE "family". When, my company decided that I was having too much fun in Jax, they transferred us to Atlanta. The folks we meet at the CRC, 60 days earlier, immediately got us involved with chapter activities which led to regional and then Society leadership positions. The leadership and networking, I obtained through active participation in ASHRAE has been instrumental in my personal and professional growth. I am honored to serve this chapter as president and my hope for all the chapter members to experience the ASHRAE "family".

Ron Kessner

## UPDATE YOUR CHAPTER INFORMATION

Be sure to visit the Jacksonville Chapter website to update your contact information. Go to [ASHRAEJAX.ORG](http://ASHRAEJAX.ORG) and click on the Roster Tab.

## Induction of 2003-2004 Officers and Board of Governors

The June meeting was held at the Radisson River Walk Hotel. Richard Rooley, the incoming ASRAE Society President spoke to the chapter about his upcoming year as Society President. The new 2003-2004 Officers and Board of Governors was sworn in by Mr. Rooley to begin their terms in leading the chapter. The new Officers are:

President	Ron Kessner
President Elect	Joey Robinson
Vice President	John Hale
Secretary	Stew Sedgewick
Treasurer	John Nelson
Governor	Scott Bohn
Governor	Frank Mangin
Governor	John Winslow
Governor	Stan Yelakis

The Jacksonville Chapter has always had strong leadership and the tradition continues with this group. They cannot do everything by themselves, if you would like to volunteer for service to the chapter, please contact Ron or Joey.



### ASHRAE 2003 Annual Summer Meeting

The ASHRAE 2003 Summer Meeting was held from June 28<sup>th</sup> to July 2 at Kansas City Missouri. The Summer Meeting is one of two annual meetings held to allow ASHRAE Society business to be accomplished and society committees to meet. The summer meeting is also when the new officers and board are sworn in for the year. As Regional Vice Chair for Student Activities, Region XII, this was my first Annual meeting I attended. During my 3 days at the meeting, I was able to meet fellow ASHRAE members from around the world interested in furthering the principles of ASHRAE. There was always something to see or attend with committee meetings and technical sessions scheduled throughout the day. If you have not been able to attend an annual meeting, I encourage all members to try to attend

Continued on Page 7

## ASHRAE Student Members Changing the Face of the Future

ASHRAE and the HVAC&R industry depends on the recruitment of the best students available to our industry and engineering in general. To help educate students about the industry, ASHRAE has many benefits and programs available.

### Membership

ASHRAE is unique because its membership is drawn from a wide range of disciplines relating to the HVAC&R field. Approximately 50,000 individuals from more than 100 nations belong to the Society. Among them are students, consulting engineers, mechanical contractors, building owners and employees of manufacturing companies, educational institutions, research organizations, government or any organization concerned with environmental control. Members also include longtime engineers and professionals in other related disciplines such as architecture and medical research.

### Technology

ASHRAE promotes HVAC&R technology for the benefit of all people by developing standards, sponsoring research and providing for technology transfer through technical publications, programs, conferences etc. ASHRAE's technical expertise is concentrated into technical committees (TCs), task groups (TGs) and technical resource groups (TRGs). They are responsible for preparing the text of the ASHRAE Handbook series, originating and coordinating ASHRAE-sponsored research projects, presenting programs at ASHRAE meetings, reviewing technical papers, evaluating the need for standards and advising the Society on all aspects of technology. Standards are documents written by committees comprised of ASHRAE members. These documents define properties, processes, dimensions, materials, relationships, concepts, test methods and recommended design and practice. ASHRAE standards benefit the public by providing the private and public sectors with recognized consensus criteria and guidance.

### Publications

ASHRAE student members qualify for considerable discounts on many ASHRAE publications including a discount on The Fundamentals Handbook. In addition students receive a discount on the cost of the Fundamentals, HVAC Systems and Refrigeration CD. The ASHRAE Handbook is published in four volumes: Fundamentals, Equipment and Systems, Refrigeration and HVAC Applications. Students are given a 70% discount on the cost of the ASHRAE Handbook volumes and CD. The ASHRAE Journal, the Society's monthly magazine, features technical articles, industry news and important information about Society policy and programs. The monthly tabloid,

ASHRAE Insights, provides news of Society happenings, regional and chapter events as well as news of special interest to students. Student members receive these two publications monthly as part of their membership.

### ASHRAE Learning Institute (ALI)

The ASHRAE Learning Institute (ALI) addresses the growing educational needs of the HVAC&R industry. By drawing on the experiences of ASHRAE's 50,000 members worldwide and the more than 2000 leading practitioners who serve on ASHRAE technical and standard committees, the ALI program is reshaping the process by which ASHRAE members and young graduates keep pace with the engineering demands of the 21st Century.

### Student Benefits

Over 5,000 students are taking advantage of belonging to an internationally respected Society of over 50,000 members, dedicated to advancing the arts and sciences of heating, ventilating, air conditioning, and refrigeration. Additional benefits of student membership include networking opportunities with ASHRAE members, free meeting registration to the Winter and Annual ASHRAE meetings and participation in a student branch and local chapter.

### Student Branches

If your educational institution does not have an ASHRAE Student Branch, then you may be interested in forming one. Students interested in an HVAC&R career are encouraged to participate in ASHRAE to further their knowledge, practical experience and professional development. There are more than 200 active ASHRAE student branches. Establishing a student branch is easy and the rewards are great. All you need is a minimum of 10 student members, a faculty member interested in being the student branch advisor and a local ASHRAE chapter who will serve as the sponsoring chapter.

### Student Design Project Competition

The Student Design Project Competition recognizes undergraduate students who have completed design projects based on the topics prescribed in the current year's competition brochure. The winners receive prize money as well as a trip to

the ASHRAE Winter Meeting. For further information on how to enter, contact your student branch advisor, local chapter or ASHRAE Headquarters. The deadline is in May.

### Undergraduate Senior Project Grant Program

Faculty members who require an ASHRAE-related topic for a senior project in an engineering curriculum may apply for a grant of up to \$5,000. The projects must be primarily of an equipment "hands-on" type (for example, test equipment, development of experimental teaching aids and laboratory experiments that can help students and research projects. Applications should be requested from

the Education Coordinator at ASHRAE Headquarters. The deadline is December 1.

#### **Grants in Aid**

Graduate students in the field of HVAC Engineering may receive up to \$7,500. Applications can be requested from and are to be sent to the ASHRAE Manager of Research and Technical Services. The deadline is December 15.

#### **Local Chapter Scholarships**

Various scholarships are offered by local chapters to undergraduate students who meet the criteria for that specific scholarship. The Jacksonville Chapter offers a yearly scholarship handed out in January. Contact the Student Activities Chair for more information and how to apply for consideration.

#### **Society Scholarships**

ASHRAE offers scholarships that provide financial support to top undergraduate engineering and engineering technology students. Students must be pursuing a course of study with emphasis in HVAC or refrigeration engineering at accredited universities. Application deadline is December 1st for the Undergraduate Engineering Scholarships and May 1 for the Engineering Technology Scholarship.

#### **ASHRAE Meetings**

ASHRAE student members may attend ASHRAE's two major meetings (Winter and Annual) on a complimentary basis. Each meeting provides an opportunity to attend a variety of technical sessions, seminars, forums, and symposia on current topics of interest to the HVAC&R engineer. Forums of special interest to students and faculty are planned for each meeting. During the Winter Meeting a student program is held on Sunday morning. The exposition makes each winter meeting unique and offers an excellent opportunity to see first hand the latest in HVAC&R technology. The next Society meeting is in January 2004 and will be held in Anaheim California. Watch the diffuser for future announcements.

#### **Upgrading To Regular Membership**

Shortly before graduation, students will receive an invitation to upgrade their membership from student to regular member. The normal application processing fee is waived for students who are upgrading their membership within one year after graduation. Contact the membership department for more information. It is currently estimated that there are between 65,000 and 85,000 technical professionals employed in the HVAC&R related industries. Approximately one third of these professionals are 55 years of age or older and expected to retire from active practice over the next 10 years. This spells opportunity for students with an interest in the HVAC&R field!

The HVAC industry is on the cutting edge of technology. Advances in the super computing and super-conductivity fields will require equal advances in the HVAC&R technolo-

gies to efficiently and cost-effectively remove heat from complex systems. New energy management systems are needed that can use state of the art digital computer controls to maintain comfort while minimizing operating costs. Technical challenge and opportunity in the HVAC&R industry is limited only by your imagination.

## **Areas of Employment in Air-Conditioning Heating and Refrigeration Industry**

#### **Design and Consulting:**

Companies devoted to designing and engineering the heating, cooling, ventilating, plumbing and electrical systems for buildings. Includes preparation of drawings, specifications, estimate of cost, supervision of installation and final approval.

#### **Contracting:**

Companies that sell and install mechanical systems. Includes installation and fabrication of system components, preparation of drawings, estimation of costs and supervision of installation according to specifications.

#### **Servicing:**

Companies that repair and maintain mechanical systems. Includes repair and maintaining of system components as well as safe end installation of replacement components for economic and efficient system operation.

#### **Manufacturing:**

Companies that purchase raw material or components and fabricate or assemble into equipment for sale. Includes sales and marketing, research development, design and production.

#### **Merchandising and Sales:**

Companies which promote and sell equipment and components which have been manufactured by others. Includes sales promotion, advertising, warehousing and technical assistance.

#### **Government and Utilities:**

Governments, utilities and other agencies provide their own consulting and servicing functions, set standards, test equipment and approve installations.

#### **Facilities Planning and Operation:**

Institutions, industrial and real estate corporations employ HVAC for planning, installation coordination and operations of building HVAC systems.

#### **Teaching and Research:**

Faculty at colleges, universities, vocational and technical schools develop and teach courses as well as conduct important research necessary to develop new technologies.

**For more information about opportunities for Students in ASHRAE, please contact the Chapter Student Activities Chair listed in the newsletter**

## SUPPORT YOUR JACKSONVILLE CHAPTER OF ASHRAE

**Benefactor Levels:** The Jacksonville Chapter of ASHRAE has many activities going on in July, August and September. On July 19, we have a family outing at the new baseball park. On August 19 we have a joint lunch meeting followed by a 3 PDH seminar on acoustic. On September 15, we have our Fall Golf Outing and on September 26, we have a lunch meeting in conjunction with the Plant Engineering and Maintenance Show. Finally, we will distribute the Roster and Product Directory in late September. Rather than calling you multiple times in such a short time frame we have decided to package some of our offerings for your consideration and benefit. Individual sponsorship of each item is still available as before.

<b>Fall Golf Outing:</b>	Individual golfer	\$ 85.00
	Individual hole sponsor	\$160.00
<b>Silver</b>	Foursome plus hole sponsor	\$500.00
<b>Acoustic Seminar</b>	Individual attendee	\$ 165.00
<b>Silver</b>	4 tickets	\$ 500.00
<b>Gold</b>	10 tickets	\$1,000.00

Roster and Product Directory: 1 Full page listing \$150.00.



### **Silver Benefactor @ \$500**

Contribution for either the Acoustic Seminar or Fall Golf Outing

### **Gold Benefactor @ \$1,000**

Contribution Includes: Foursome + Hole Sponsor to Fall Golf Outing, 4 Tickets to Acoustic Seminar, and 1 Full page Listing in Roster and Product Directory,

### **Platinum Benefactor @ \$1500**

Contribution Includes: Foursome + Hole Sponsor to Fall Golf Outing, 10 Tickets to Acoustic Seminar, 1 Full page listing in Roster and Product Directory, Signs listing benefactors at all 4 socials (Fall Golf Outing, Oyster Roast, Presidents Ball and Spring Golf Outing), and Diffuser Recognition.

As always without your support for the local chapter operations, the student chapter, the student scholarship and ASHRAE resource promotion, the chapter activities would be curtailed. Please call me if you have any questions or comments on the above. Your Chapter President, Ron Kessner, P.E.



# A.S.H.R.A.E. Annual Fall Golf Outing

**PLACE:** Eagle Harbor at Flemming Island

Jacksonville, Florida

**FORMAT:** Lowest 2 of 4 net 80% handicap 28 max

**PRIZES:** First Place Team \$100.00 EA.  
Second Place Team \$75.00 EA.  
Third Place Team \$50.00 EA.  
6 Proximity Prizes @ \$50.00 EA.

**DATE:** Monday September 15<sup>th</sup>, 2003

**TIME:** 11:30 A.M. Registration, Box Lunch,  
driving range balls will be available  
12:30 P.M. Shotgun Start

**COST:** \$85.00 Per Person  
Includes Golf, Cart, Range Balls, and  
Lunch. Cash Beverage Cart will be  
Available on the Course.

**Hole Sponsor \$160.00**  
**Silver Benefactor \$500.00** Includes 4 golfers and  
hole sponsorship.

**Please fax your registration to Wayne Brooks @ 641.8722 ASAP**

Sign up your foursome below or individuals will be assigned a foursome as needed to complete each group.

**Hole Sponsor:** \_\_\_\_\_

	<b>NAME</b>	<b>HANDICAP</b>
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

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

**Wayne Brooks  
C/O Brooks Air Systems, Inc.  
11196 St. Johns Ind. Pkwy. S.  
Jacksonville, FL 32246  
904.642.5303 Phone  
904.641.8722 Fax**

**Company Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_

**Contact Person:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Fax:** \_\_\_\_\_

**Please indicate if invoice/receipt is required**

**Yes** \_\_\_\_\_ **or** **NO** \_\_\_\_\_

**Larry Reich**



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**Why Belong To An ASHRAE Chapter?**

ASHRAE's chapters are the grassroots of the organization. In ASHRAE, nourishment comes from local chapters, each Supported by volunteer effort.

Each of the Society's more than 170 chapters usually meets for a monthly dinner and technical session featuring a noted speaker. This activity brings the latest in technical information to the local level. Chapters also sponsor seminars and lecture series to provide members with more detailed technical information. Some chapters even conduct courses that are not available at local universities for their members and other interested professionals.

Public information programs are another important chapter activity. For example, it is not uncommon for ASHRAE members to hold seminars on energy conservation in the home, or to provide engineering career guidance to young people. In addition, many chapters sponsor scholarships to students attending college and help organize and support ASHRAE student branches.

Chapters are divided into geographic regions to effectively organize chapter efforts; provide volunteer training; and open a communications channel to the Society's Board of Directors. Each region holds an annual conference that includes a technical program and business session. Nominations for service on many Society-level committees are made at these meetings.

For more information on upcoming Chapter Meetings, refer to the listing of meetings in the Diffuser Newsletter.

**Continued From Page 3**

one of the future meetings; it really places a new perspective on ASHRAE. The next annual meeting is the 2004 Winter Meeting in Anaheim, CA, then the 2004 Summer Meeting in Nashville, and then the 2005 Winter Meeting will be held in Orlando, Florida. Plan now to attend one of the upcoming meetings.

The summer meeting did bring about one drastic change within the grass roots committees. Starting in the 2004-2005 fiscal year, the Chapter Programs Committee, and TEGA Committee will be brought back together as the Chapter Technology Transfer Committee, which will report to the Regions Council. This reorganization is only part of the overall strategic planning of the next 10 years of ASHRAE to improve the "Business of ASHRAE" and utilize more effectively the primary resource of ASHRAE, the membership and the volunteers in committee assignments. To learn more about this and other changes, log on to ashrae.org where you can find the latest on Society business and presentations given at the meeting.

Benjamin J. Cole  
 RVC Student Activities  
 Region XII

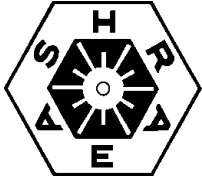
**August 19<sup>th</sup> Lunch Meeting** with 3 hour PDS acoustics seminar.  
**Speaker: Dr. Gary Siebier**

Dr. Gary Siebier will give a "teaser" presentation on acoustics during the regular luncheon from 11:30 to 1:00. **Cost \$15**

A 3HR PDS on acoustics will immediately follow the luncheon and will be open to all who wish to attend. **Cost \$75 for ASHRAE members, \$95 for non-members. \$500 group up to ten.**

We will be extending an invitation to our fellow organizations related to the building construction industry to attend the seminar.

*The meetings this year will continue to be held at the Radisson Riverfront downtown.*



**Jacksonville Chapter of ASHRAE**  
11310 Rustic Wheel Court  
Jacksonville, FL 32257

**Attention: Karen Cole**

**ADDRESS SERVICE REQUESTED**

*Chapter May Not Act For Society*

## **MARK YOUR CALENDAR!**

**July 9<sup>th</sup>** **BOG Meeting**

**July 19<sup>th</sup>** **Suns Baseball Game & Tour**

**August 6<sup>th</sup>** **BOG Meeting**

**August 12<sup>th</sup>-17<sup>th</sup>** **CRC**

**August 19<sup>th</sup>** **Lunch Meeting**  
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