Est. 1979

Harrison County Gem & Mineral Society, Inc.



Gulfport Gems

Volume 45

October 2024

Number 10



Member of the Southeast Federation of Mineralogical Society

P.O. Box 10136 Gulfport, Ms. 39505



www.facebook.com/gulfportgems Website: www.gulfportgems.org

A message from the President...

Dear Members.

Just got back from vacation. We have a lot to talk about at the meeting.

The slate of officers for the 2025 board are listed in newsletter but anyone can be nominated from the floor.

Beverly and Leslie have swapped workshops for this month. Beverly will be teaching this month as Leslie may not be able to attend the meeting Saturday. Leslie will teach her workshop in November.

Hope to see everyone this Saturday.

Sincerely,

President Allan Elliott

Happy Halloween



Please continue to check our website and Facebook pages for updates.

Workshops are posted on both.

www.gulfportgems.org

www.facebook.com/gulfportgems

Notes from the editor . . .

<u>Meeting:</u> October 19, 2024 at 9am Herbert Wilson Recreational Center Potluck lunch . . . Bring a dish

Door Prizes: Please bring a door prize to donate. See Cindy Braden

Gems of the Month:

Opal and Tourmaline

Show & Tell: Anything you have to share with the club, Please bring.

Workshops:

Leslie will teach in November Beverly—Snap set earrings Those who aren't taking a workshop: Work on Gem Trees for show

<u>Birthdays:</u> Sharon Greer, Bernadette M., Lynn T.

Anniversary: Peter & Bernadette M.

Program: N/A

2024 Workshop Instructors needed

Please Contact Workshop Chairman, Shirley at 228-594-9673 Msrobinson2u@icloud.com

Show Chairman: Beverly Baker Show Email:

gulfportgems.show@gmail.com



Harrison County Gem & Mineral Society



September 21, 2024

<u>Called to Order Time:</u> 1:05 p.m. by President Allan Elliott

Members in attendance: (19) Jina M.; Nicola H.; Allan E.; Sue W.; Gladys D.; Leslie J.; Shirley R.; Nicole G.; Beverly B.; Rosalind D.; Buddy S.; Laura T.; Cynthia B.; Lynn T.; Reba S.; Sheryl R.; Pete M.; Sharon G.; Jaime M.

Show & Tell: Buddy and Reba brought in some various chains and jewelry that they made at Wild Acres. Sheryl brought in some fossils, crystals, and other stones that she recently bought.

Meeting: Some members worked on unfinished projects and some members worked on making the trees for gem trees for next year's annual show. Discussion was held regarding putting the monthly meeting minutes in the Newsletter, and it was decided to leave things how they were.

Treasurer's Report: Nicole gave the treasurer's report. The balance is now \$XXX; the equipment fund is \$XXX; and the CD is at \$XXX. Laura made a motion to accept the treasurer's report. Cindy seconded the motion. After a vote of members, motion carried. Nicole mentioned that it is now a requirement for non-profit groups to complete an Annual Report form which must be gotten from the Secretary of State's office. She will work on getting a copy of the form.

COMMITTEE REPORTS:

Workshops: Shirley gave a report about future workshop projects: October - Leslie will make a Cellini Spiral and kits will be available. November - Beverly will make snap set earrings and will have kits available. Also, Sue will make bicycle earrings and the cost will depend on the stones used.

Newsletter: No report.

Facebook: No report.

Webmaster: No report.

<u>Equipment:</u> Cindy noted that her stencils (4 or 5 sheets) were still missing if anyone locates them.

Sunshine: No report.

<u>Show:</u> Beverly passed out "A Newbie Perspective" regarding the annual show and asked everyone to look over it and planned to have a later discussion.

Librarian: No report.

COMMUNICATION REPORTS:

Old Business: No old business.

New Business: Pete discussed purchasing a light box for display for taking pictures of items members have made and estimated it would be about \$100. Pete will look further into the cost.

Sharon brought in some handmade jump ring machines made from wood that were made by Terry Scott and offered members to take them if they would use them.

Split the Pot: Won by Laura T.

<u>Door Prizes:</u> Door prizes were drawn, and we had some great donations.

Adjournment: The meeting ended at 1:47 p.m.



NAME TAGS

Contact: Nicole G., Treasurer

<u>Cost</u>: \$7.00 (Due when ordered)

Cost subject to change.

Orders Taken: At monthly meeting

Thought of the Day . . .







Off The Menu ...





ICED PUMPKIN COOKIES

Ingredients:

- 2 1/2 cups all-purpose flour
- 1 teaspoon baking powder
- 1 teaspoon baking soda
- 2 teaspoons ground cinnamon
- 1/2 teaspoon ground nutmeg
- 1/2 teaspoon ground cloves
- 1/2 teaspoon salt
- 1/2 cup butter, softened
- 1 1/2 cups white sugar
- 1 cup canned pumpkin puree
 - l egg
- 1 teaspoon vanilla extract



Icing

- 2 cups confectioners' sugar
- 3 tablespoons milk
- 1 tablespoon melted butter
- 1 teaspoon vanilla extract

Directions:

- 1) Preheat oven to 350 degrees. Combine flour, baking powder, baking soda, cinnamon, nutmeg, ground cloves, and salt; set aside.
- 2) In a bowl, cream together the 1/2 cup of butter and white sugar. Add pumpkin, egg, and 1 teaspoon vanilla to butter mixture, and beat until creamy. Mix in dry ingredients. Drop on cookie sheet by tablespoonfuls; flatten slightly.
- 3) Bake for 15 20 minutes in the preheated oven. Cool cookies, then drizzle glaze with fork.
- 4) To Make Glaze: Combine confectioners' sugar, milk, 1 tablespoon melted butter, and 1 teaspoon vanilla. Add milk as needed, to achieve drizzling consistency.



WORKSHOPS

Workshop Chairman: msrobinson2u@icloud.com

October 19, 2024



Shirley Robinson 228-594-9673

Snap Set Earrings
By Beverly Baker



Kits Available

Material List:

- 2 6 inches of 22ga. Half Hard Square Wire 4 Inches of 20 ga. Half Hard Half Round Wire
- 2 6mm round faceted stones
- 2 6mm round snap set settings
- 2 ear wires or ear post with nuts

Tools:

Mat Round Nose Pliers Flush Cutters Ruler / Tape Measure Nylon Pliers

Cabbing Workshops - Equipment Chairman Cindy Braden - 228-243-2665

If you are interested in cabbing we have instructors available to teach you. Time may be limited if other members are waiting to use the machines.

- \$3.00 per Day for equipment usage
- Must be a member (waiver on file)
- Guest not allowed to use equipment

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Bench Tips from Brad



LAYOUT TOOLS



Dimensions on some features of a design can be fluid while others must be accurate for the design to work. When precision on a piece is important, good layout techniques are essential.

These are the tools that I rely upon to get holes in the right place, to achieve correct angles, and to cut pieces the correct length.

I like crisp sharp lines to follow, so I often coat surfaces with a dark marker and scribe my layout lines onto the metal. A square makes quick work of checking right angles or marking where to cut, and the thin center punch helps me mark a place to drill holes exactly where I want them.

Finally, a good set of dividers is probably my favorite layout tool. They let me quickly mark a strip for cutting, swing an arc, and divide a line or curve into as many equal segments as I need. I keep at least one set of dividers in every toolbox.

Making jewelry involves a multitude of skills, intricate hand work, and a lot of problem solving. In this series Books in this series help to::

- >Broaden your metalworking skills
- >Improve productivity at the bench
- >Save money on tools and supplies

You'll find hundreds of low cost and really practical tips and techniques that the author uses in his work and teaches in his classes and workshops.

http://amazon.com/dp/B0BQ8YVLTJ



Smart Solutions for Your Jewelry Making Problems

http://amazon.com/author/bradfordsmith

www. bradsmithjewelry.com
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FACTS

Mineral: Hydrated Silica
 Chemistry: SiO₂•nH₂O

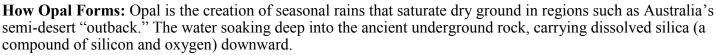
◆ Color: All colors

• Refractive index: 1.37-1.47

• Birefringence: None

• Specific gravity: 2.15 (+0.08, -0.90)

• Mohs Hardness: 5 to 6.5



Through out the dry periods, a lot of the water evaporated, leaving behind solid deposits of silica. Found in the in the cracks and between the layers of underground sedimentary rock the silica deposits formed opals. Opals contain 20% of its water trapped in its silica structure.

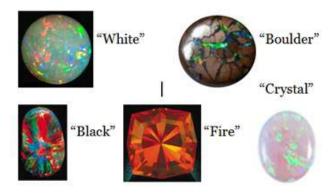
Opals being in two broad classes called precious and common. Common Opals do not display the "play-of-color" as the precious Opals.

Play-of-color is the result of lightwaves that travel between the spheres causing the waves to bend or diffract and as they break up into colors of the rainbow they produce which is called "spectral colors." This occurs in precious opals being it is made up of sub-microscopic spheres stacked in a grid-like pattern—like layers of ping-pong balls in a box.

In 1890 when Australia mines produced Opals commercially it became the world's primary source for the stone.

Experts divide gem opals into five main types:

- White or light opal: Translucent to semi translucent, with play of color against a white or light gray background color, called body color.
- Black opal: Translucent to opaque, with play-of-color against a black or other dark background.
- <u>Fire opal</u>: Transparent to translucent, with brown, yellow, orange, or red body color. This material—which often doesn't show play-of-color—is also known as "Mexican opal."
- **Boulder opal**: Translucent to opaque, with play-of-color against a light to dark background. Fragments of the surrounding rock, called matrix, become part of the finished gem.
- <u>Crystal or water opal</u>: Transparent to semi transparent, with a clear background. This type shows exceptional play-of-color.







FACTS

• Mineral: Tourmaline

• Chemistry:

• Elbaite Na(Li_{1.5},Al_{1.5})Al₆Si₆O₁₈(BO₃)₃(OH)₄

• Dravite NaMg₃Al₆Si₆O₁₈(BO₃)₃(OH)₄

• Liddicoatite Ca(Li₂Al)Al₆Si₆O₁₈(BO₃)₃(OH)₃F

• Chromedravite NaMg₃Cr₆Si₆O₁₈(BO₃)₃(OH)₄

• Color: All colors

Refractive index: 1.624 to 1.644Birefringence: 0.018 to 0.040

• Specific gravity: 3.06 (+0.20, -0.06)

• Mohs Hardness: 7 to 7.5

'Tourmalines come in one of widest variety of color ranges of any gem species, occurring in various shades of virtually every hue. Many have inspired their own trade names:

- <u>Rubellite</u> is a name for pink, red, purplish red, orangy red, or brownish red tourmaline, although some in the trade argue that the term shouldn't apply to pink tourmaline.
- <u>Indicolite</u> is dark violetish blue, blue, or greenish blue tourmaline.
- Paraíba is an intense violetish blue, greenish blue, or blue tourmaline from the state of Paraíba, Brazil.
- <u>Chrome tourmaline</u> is intense green. In spite of its name, it's colored mostly by vanadium, the same element that colors many Brazilian and African emeralds.
- <u>Parti-colored tourmaline</u> displays more than one color. One of the most common combinations is green and pink, but many others are possible.
- Watermelon tourmaline is pink in the center and green around the outside. Crystals of this material are typically cut in slices to display this special arrangement.

Cat's-eye tourmalines called Chatoyancy are most often green, blue, or pink, with an eye that's softer and diffused more than the eye in fine cat's-eye chrysoberyl. In tourmaline, this is caused by the effect of numerous thin, tube-like inclusions that form naturally during the gem's growth. The inclusions being larger than the inclusions in cat's-eye chrysoberyl, so the chatoyancy isn't as sharp. Like other cat's-eyes, these stones have to be cut as cabochons to bring out the effect.

The chemical composition of Tourmaline directly influences its physical properties and is responsible for its color. Tourmalines consisting of a group of closely related mineral species that share the same crystal structure but have a totally different chemical and physical properties. Sharing the elements silicon, aluminum, and boron, but contain a complex mixture of other elements such as sodium, lithium, calcium, magnesium, manganese, iron, chromium, vanadium, fluorine, and sometimes copper. Gemologists defining it's species use tourmaline's properties and chemical composition. The major species for Tourmaline are elbaite, liddicoatite, dravite, uvite, and schorl.

While most gem tourmalines are elbaites, which are rich in sodium, lithium, aluminum, and sometimes but very rarely—copper. Occur in granite-containing pegmatites, which are rare igneous rocks. Pegmatites are mostly rich in exotic elements that are important for the formation of certain gem minerals. Pegmatites sometimes contain very large crystals up to 1 meter (about 3 feet) in length. Due to the nature of pegmatites, different gem pockets within one pegmatite body can hold tourmaline crystals of very different colors. Sometimes one pocket can produce a variety of differently colored tourmalines. As a result, many mines produce a variety of Tourmaline gem colors. Features of gem pegmatites is the scattered distribution of pockets within them. For miners, working a pegmatite consists mostly of excavating barren rock until the work results in a sudden reward of a rich pocket full of spectacular gem crystals.

Elbaites offer the widest range of gem-quality tourmaline colors. They can be green, blue, or yellow, pink to red, colorless, or zoned with a combination of colors.





Liddicoatite, being named after the late Richard T. Liddicoat, former president of GIA and former chairman of its Board of Governors, is rich in calcium, lithium, and aluminum. He's often referred to as the "Father of Modern Gemology." It also originates in granite-containing pegmatites and offers a diverse array of colors, often in complex internal zoned patterns.

The Uvite is rich with calcium, magnesium, and aluminum. Dravite is rich in sodium, magnesium, and aluminum. Both form in limestone that's been altered by heat and pressure, resulting in marble that contains accessory minerals like tourmaline.

Some of the most important gem tourmalines are mixtures of dravite and uvite. The bright yellow gems called "savannah" tourmalines are colored by the element known as iron. They're often brown, yellowish brown, reddish brown, or nearly black in color, but sometimes they contain traces of vanadium, chromium, or both. When present in the right concentrations, these impurities produce rich green hues that rival those of tsavorite garnet and, occasionally, even emerald. Dealers sell these gems as chrome tourmaline, even though they're not always colored by chromium.



Schorl, used in morning jewelry is rich in iron and is typically black. Forming in a wide variety of

rock types it's rarely used as a gem.



Tourmaline's colors have many different causes generally traces of iron, and possibly titanium, induce green and blue colors. Manganese is responsible for reds, pinks, and possibly yellows. Pink and yellow elbaites might owe their hues to color centers caused by radiation, which can be natural or laboratory-induced.















Sources: gia.edu, Wikipedia, jewelleryeditor.com, minerals.com, opals downunder.com, guinnessworldrecordbookofrecords.com



Southeast Federation News

American Federation News



S.F.M.S. Newsletter

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Email: sfms.lodestar@gmail.com Or

Editor: Cindy Reed

Can be read online:

http://www.amfed.org/sfms/index.html

www.amfed.org

SFMS 2024 Annual Convention

March 1-3, 2024 Live Oak, FL

William Holland School of Lapidary Arts 706-379-2126

Register Now at:

www.lapidaryschoolregistration.org

Federation Week Jun 8 - 14, 2025

Classes are subject to change

WILDACRES RETREAT 828-756-4573

Website @www.wildscres.org

registrarwildacres@gmail.com Claudia Erwin

When scheduling keep in mind, workshops are subjected to change without notice.

Please check the website for changes.

Federation Weeks August 12th -18th

2nd Week September 9th - 15th

Nearby Gem Societies

Ms. Gulf Coast Gem & Mineral Society

www.mgcgms.com

Meeting: 2nd Saturday of the month

Mobile Rock and Gem Society www.mobilerockandgem.com

Meeting: 2nd Tuesday of the month

Contact: Levette @ 504-214-3205

Gem & Mineral Society of Louisiana Meeting: 2nd Monday of the month

A.F.M.S. Newsletter

Subscriptions are \$5.00 per year Checks should be made payable to "AFMS"

> **AFMS Central Office Chervl Nearly 42 Jefferson Avenue** Patchogue, NY 11772-1008

Centraloffice.amfed@gmail.com PH: 516-449-5341

AFMS 2024 Annual Convention TR A

A.L.A.A.

Have you joined the American Lands Access Association (ALAA)? Help is needed. Please volunteer!

The organization was founded to promote and ensure the right of the amateur hobby collecting, recreational prospecting and mining, and the use of public and private lands for educational and recreational purposes and to carry the voice of all amateur collectors and hobbyists to our elected officials, government regulators and public land managers.

Individual dues are \$25 per year; clubs \$50 per year.

A quarterly newsletter is sent to all members. For more information.

Visit http://amlands.org

Doug True, President



Other Interests:

International Society of Glass Blowers Visit site if you like Lampworking

Website: www.isgb.org



Harrison County Gem & Mineral Society Information



Officers 2024

President- Allan ElliottAllan.K.Elliott@gmail.comVice President- Lisa Fitchlapidaryarts@hotmail.comSecretary- Sheryl Rogerssdr@frslaw.comTreasurer- Nicole Greennfouasnon@gmail.com

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Workshop Chairman

Shirley Robinson msrobinson2u@icloud.com

Equipment Chairmen

Cindy Braden 228-243-2665

Field Trip Chairman

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<u>Librarian Chairman</u>

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Sunshine & Hospitality Chairman

Sue West msuewest@bellsouth.net

Webmaster Chairman

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Assistant Webmaster

Nicole Green nfouasnon@gmail.com

Southeast Federation of Mineralogical Societies

Ms. State Director, Parliamentarian & Boundaries

Leslie Lane 601-344-8171

Past President SFMS

John Wright osjbw21@gmail.com

Meetings / Workshops

Herbert Wilson Recreational Center 3625 Hancock Avenue Gulfport, Ms. 39501

3rd Saturday of each month

9 am - 12 pm Workshop 12 pm - 1 pm Lunch 1 pm - 2 pm Meeting

<u>Directions:</u> Coming from Pass Road or Hwy. 90 turn on Courthouse Road.

Turn next to Hancock Bank on 33rd Street until you reach Hancock Street. Look to your left and you will see the Herbert Wilson Recreational Center. We are on the left side of building thru the gates.

Come for fun . . . Stay to play!

Visit our Website and Facebook page:

www.gulfportgems.org or
https://www.facebook.com/gulfportgems

2024 MEETING DATES

Jan 20th May SHOW 18th & 19th
Feb 17th June 15th Sept 21st
Mar 16th July 20th Oct 19th

Apr 20th Aug 17th Nov 16th

Dec 21st Christmas Party

Newsletter Editor



Lisa Fitch

Submit newsletter articles to: lapidaryarts@hotmail.com

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Articles and minutes are due by the last day of each month



Membership Form

Contact Our Treasurer: Nicole Green (228) 344-8066 Email: nfouasnon@gmail.com



HARRISON COUNTY GEM & MINERAL SOCIETY, INC. MEMBERSHIP APPLICATION					
APPLICANT INFORMATION SINGLE \$20.00 18 YEARS OF AGE					
Name:	Email:				
Date of birth (Mo/Day):	Anniversary: (Mo/Day)	Cell Phone:			
Current address: Home Phone:					
City:	State / Zip Code:	Work Phone:			
CO-APPLICANT / SPOUSE INFORMATION FAMILY \$30.00 TWO ADULTS & ALL MINORS UNDER 18 YEARS OF AGE/AT SAME ADDRESS					
Co-Applicant / Spouse: Email:					
Date of birth (Mo/Day):	Cell Phone:	Work Phone:			
JUNIOR INFORMATION JUNIOR \$10.00 UNDER 18 YEARS OF AGE ☆ SPONSORED BY AN ADULT					
Name	Birthday (Mo/Day/Year)	Relationship:	Relationship:		
Name	Birthday (Mo/Day/Year)	Relationship:	Relationship:		
Name:	Birthday (Mo/Day/Year)	Relationship:	Relationship:		
Name	Birthday (Mo/Day/Year)	Relationship:			
★ EMERGENCY CONTACT INFORMATION ★					
Name:					
Relationship:	Home Phone:	Cell Phone:			
INTEREST INFORMATION					
Hobby Interest: (Each applicant initial interests) Jewelry Interest:					
Fossils Minerals Lapidary (Cabbing,Faceting, Etc.) Field Trips (Creeks, Gravel pits, Mines, Etc.) Special Interests BeadingWire Wrapping					
APPLICATION FEES					
Applications can be mail to: Harriso	on County Gem & Mineral Soc	iety P. O. Box 10136, Gulf	port, Ms. 39505		
Single \$20.00 Family \$30.	00 Junior(s) \$10.00	Each DUES:	s		
Dues: NEW No Proration Circle One RENEWAL Deadline: 3rd Saturday of January		nuary TOTAL:	\$		
SIGNATURES					
How did you hear about our society?					
Signature of applicant: Date:					
Signature of co-applicant/spouse (anly if fo	Date:				
*Newsletter will be sent via email @ no charge Modified 11/20/17 LF					

Our goal is to promote, educate and stimulate interest in the earth sciences and lapidary arts context.

Shows and Events

10/19-20/2024 SAINT LUCIE, FL: St Lucie Rock & Gem Club 47th Annual Club Show, MidFlorida Event Center, 9221 SE Event Center Pl, St. Lucie, FL 34952: Sat. 9-5, Sun. 10-4. Admission \$5; Accompanied minors are free with adult admission. www.slcrockandgem.org, slclubshow2023@aol.com

11/9-10/2024 MELBOURNE, FL: Canaveral Mineral & Gem Society 51st Annual Parade of Gems Crystal, Gem, Jewelry, Rock and Crafts Show, Melbourne Auditorium 625 East Hibiscus Avenue, Melbourne, Florida 32901. Saturday 10AM—5PM, Sunday 10AM—4PM. Admission: \$5 adults Free kids under 13. Website: https://www.canaveral-mgs.com/our-show.html Contact: ParadeofGems.Melbourne@gmail.com

FOR A COMPLETE LIST OF SHOWS VISIT - amfed.org

AKS GEM SHOW Presents New Orleans Bead & Jewelry Show

Pontchartrain Center, 4545 Williams Blvd., Kenner, La. 70065

Admission Fee \$5.00 Hours: Fri & Sat 10am-6pm / Sun 10am-4pm Phone: 504-265-8830 Email <u>info@aksshow.com</u> with inquiries

Visit website www.aksshow.com and GET A COUPON FOR \$1.00 OFF Admission

Jan. 5,6,&7 April 12,13, & 14 July 19, 20, & 21 Sept 6,7,& 8 November 1,2,& 3

Save \$1.00 off admission to any AKS Gem Show

This coupon is good for entrance to any AKS Gem Show! Be sure to check your inbox for additional savings from our exhibitors.

Check our list of shows now...

Offer Expires: no expiration.



Address Service Requested





THE OFFICIAL PUBLICATION FOR THE HARRISON COUNTY GEM & MINERAL SOCIETY, INC.

HCCMS 9094 (Postehone

HCGMS 2024 Workshops					
January 20 Victorian Bracelet	Føbruary 17 Viking Knit	March 16 Shamrock Bracelet	April 20 Lotus Pendant		
By Sue West Program - Cindy B. Equipment / Waiver	By Julie B. Program - Lisa F. Scholarships	By Lisa Fitch Program - Nicole G. Clasps	Karen Williams/ Rozz Program - Use Extra time to Prepare Post Cards for		
Happy New Years	Happy Valentines February 14th	St. Patrick's Day 17th Happy Easter March 31	Show.		
May 18	Jung 15	July 20	August 17		
S H O W 18th & 19th	Kumihimo By Nicole Green Wired Cabochon	Shaggy Earrings By Lynn & Laura T. Wired Necklace	Netted Christmas Ornament By Lisa F.		
	By Sue West Program -	By Sue West Program - Repair Stones By Allan E. Happy 4th	Program -		
September 21 Unfinished Projects	October 19	November 16 Beaded Pendant ? By Leslie J.	Døcember 21		
Or Make it Take it Or Gem Trees for show	Snap Set Earrings By Beverly B. Or Gem Trees for Show	Bike Earrings By Sue W.			
Program -	Program -	Program -	Merry Christmas		
	Happy Halloween	Happy Thanksgiving	CHRISTMAS PARTY		