

The MODULATOR



The NEWS and VIEWS of
The Fort Myers Amateur Radio Club, Inc.
P.O. Box 061183,
Fort Myers, Fl. 33906
Visit our website WWW.FMARC.NET

The FMARC meets every last Tuesday night 7:15 PM

The President's Message

Well half of the hurricane season is over hopefully we will luck out for the rest. As I write this Texas was clobbered our prayers go out to them.

The services for Colleen Sammons went well all of her groups were well represented, ours by Mike KI4PTZ.

Snow birds should arrive soon and we can start some more of the events we like to do.

Don't forget to send to Don KF4PHB your selection of ham of the year and also it will be time for elections, Both national and club it is important that you cast your vote it is the only thing that is yours alone.

73,
Joe Ryan N3NAI

F.M.A.R.C. INFORMATION:

The Fort Myers Amateur Radio Club, Inc., is a non-profit corporation of both Federal Communication Commission and internationally licensed radio operators who volunteer themselves and their communications equipment in support of emergency and community services

PRESIDENT,	JOE RYAN
(239) 458-9721	N3NAI
VICE PRESIDENT,	MIKE MEEHAN
(239) 283-4026	KI4PTZ
SECRETARY,	G. E. SAMMONS
(239) 936-1431	WA4DQE
TREASURER,	NORMA REMSON
(239) 543-5487	KI4JFN
DIRECTOR,	LEN FOSTER
(239) 989-6186	VA3LGF
DIRECTOR,	DON MARZONIE
(239) 542-7274	KF4PHB

BOARD OF DIRECTORS:

Joe Ryan, N3NAI,	Presiding President
Mike Meehan, KI4PTZ,	Vice President
G. E. Sammons, WA4DQE,	Secretary
Norma Remson, KI4JFN,	Treasurer
Len Foster, VA3LGF,	Director
Don Marzonie, KF4PHB,	Director

COMMITTEE CHAIR PERSONS:

Larry Zimmer, W4LWZ,	Education
John Sholtis, KI4JFO,	Program
John Anderson, KE0TG,	Membership
Edward Radke, K9GTZ,	Greeter
Open,	Social Activity
Jim Niccum, AF4YH,	Public Relations
Joe Ryan, N3NAI,	Scheduled Contests
Larry Zimmer, W4LWZ,	Annual Hamfest
Don Marzonie, KF4PHB,	Property Control
Bill Pavela, KD4VDS,	Interference
Larry Zimmer, W4LWZ,	W4LX Trustee
Mike Branda, K4HN,	VE Coordinator
David Penezic, WA4GUK,	A.L.E.R.T.
Joyce Botchford, KJ4BEI,	Mail Manager
Mike Meehan, KI4PZT,	Webmaster
Rich Greenberg, N6LRT	The Modulator
"Butch" Brown, KE4CB,	The Swap Shop

The club's web site can be found at:
<http://www.fmarc.net>

A list of local repeaters can be found at:
http://www.fmarc.net/local_repeaters.htm

A.L.E.R.T.

The All Lee Emergency Response Team (A.L.E.R.T.) is looking for volunteer licensed amateur operators. We need volunteers to man the shelters, hospitals, fire and police departments and other critical facilities during and after severe storms. If you would like to provide a much needed service to your community, Call Dave Penezic, WA4GUK, R.A.C.E.S. Officer at:
Phone: (239) 368-2552 Email: wa4guk@arrl.net

REGULARLY SCHEDULED MEETINGS:

BOARD OF DIRECTORS MEETING is the 2nd Wednesday of each month at the Araba Shrine on Hanson Street in Fort Myers at **7:30 PM**. The purpose of this meeting is to discuss plans and issues for the club. Members are encouraged to attend.

REGULAR CLUB MEETING & PROGRAM: is the "**last**" Tuesday of each month. Membership, friends and interested persons meet at the Riverside Community Center (3061 E Riverside Dr Fort Myers, FL 33916 239-461-3788) at **7:15 PM** for reports from all Committee Chair Persons, announcements of present and future activity, old business issues, any new business for the Club and a program and/or speaker for the meeting.

THE GULF COAST AREA REPEATER CLUB membership also meets at the Riverside Community Center (3061 E Riverside Dr Fort Myers, FL 33916 239-461-3788). The club's board of directors meet on the **FIRST** Thursday of "**odd**" months at **7:30 PM** for conducting business and discussing issues for the club. The regular meeting of the membership and friends is on the **FIRST** Thursday of "**even**" months at **7:30 PM**. GCARC also meets on the air every Monday at 7:30 PM on 147.345

The SWAP SHOP gathering of Hams and friends is on the **2nd & last** Saturdays at **noon** at the Club House area in Waterway Park Estates at 5820 Poetry Lane in North Fort Myers. Sell, Swap and Bargain.

VOLUNTEER EXAMINERS conduct testing for Amateur Radio FCC License application qualifications on the **2nd Thursday** at **6:30 PM** at the Emergency Operations Center on Ortiz Avenue.

The Modulator is a organization publication for the purpose of informing members of F.M.A.R.C. of educational and training opportunities, club events, relevant news articles and a monthly calendar of daily activities, meetings and dates. All inquiries can be made to F.M.A.R.C., Inc. at P.O. Box 061183, Fort Myers, FL 33906

THE MODULATOR STAFF

It was determined at the March Board of Directors meeting that the revised Staff for the FMARC monthly newsletter, "THE MODULATOR", is now complete.

Editor & Publisher: Rich Greenberg, N6LRT.
(239) 543 1353, 1705 Coral Way, North Fort Myers, Florida, 33917, e-mail: **modulator@richgr.users.panix.com**.

Reporter: Len Foster, VA3LGF, 2221 NE 4th Place, Cape Coral, FL 33909. (239) 989 6186, e-mail: **lfos42@hotmail.com**

Reporter: Darrell Phillips, N4OKS, 1719 NW 21st Street, Cape Coral, FL, 33993. (239) 282 1526, e-mail: **N4OKS@arrl.net**, FAX: (239) 282 1536.

Also, it was reconfirmed that the deadline for news and articles is the 15th of the month to the Reporters.

Modulator Submissions of articles and ads should be sent as early as possible by email to **modulator@richgr.users.panix.com**. **IMPORTANT:** To avoid my spam trap, the subject **MUST** start with [**Modulator**] including the square brackets or it may be missed. Plain text is preferred and please **DON'T** send all upper case. Call me at 239 543 1353 if you have any questions or problems submitting an item. Ads are free to members and are accepted on a space available basis and may be edited for clarity or space.

Every member of F.M.A.R.C., not just the reporters, are invited to submit articles for the Modulator.

Aug. 26 membership meeting minutes:

Started at 7:15 Mike led the pledge and no new illness and SK reports. Larry's current class is almost finished with 5 new candidates. He has started with the Hamfest fliers and has met and given Jeff Bieal some to distribute If anyone goes to a Hamfest please take some with you . For field day we got some PR with the News Press, Fox 4 ,The Eagle and the Breeze. Modulator was full this month send articles to Rich. EOC response for Fay was low we need more vol for emergency's. We are looking for input for the future of the club. Capt Schneiders KR4PI was the speaker on the communication upgrades and technology used by the Sheriff dept past and future. Norma KI4JFN was elected treasure for the remainder of 08 and she is running the 50/50. \$39 with \$20 to club. Interest in a Veterans day event was solicited Don KF4PHB will be asked to inquire as to weather we can set up at the monument on vets parkway. Meeting closed at 8:35 for refreshments.

Submitted N3NAI for GE

Sept. 10 board meeting minutes:

Meeting started 7:30 at the Aruba Shrine. N3NAI, KI4PTZ, KI4JFN, KI4JFO, KF4PHB, AE4DP, KI4GED, N6LRT, W4LWZ, N4OKS in attendance. Norma's first meeting as treasure, will meet with GE and get the books and signature authority, Larry will furnish a copy of Quicken. We talked about special events, publicity, how to reach new members and get new people involved with the hobby possibly with the boy scouts or the schools, and the possibly offering speaker to other clubs not just ham clubs we would like to have a chairman for special events and some help with the PR. The Ham of the year is coming up don KF4PHB is the chair, and elections are also coming soon there are all position possibly open except 1 director. Len has another year to go. Don was asked to go over the Mic. at Riverside to get them in the right working order with his traveling no one has set them up completely and he knows the system. We also would like to have a short bio on members, and we are looking to make membership cards. Meeting closed 8:30

Submitted by N3NAI for GE

WE NEED HELP

we will be seeking a few volunteers to help straighten up and inventory at the Swap Shop site. See Joe N3NAI or Don KF4 PHB at the meeting or call us. The date will be before one of the OCT swap shops in the am. The more help the quicker it will go and there will be some freebies. Not everything though HI HI

Joe N3NAI

Editors note: The following item was submitted for last month's Modulator but was dropped for space.

Cesium

At the July meeting Mike Meehan KI4PTZ gave an excellent program on time signals from WWV. He showed us how a chemical element Cesium was used in the atomic clock to keep it accurate to a second in 20 million years.

I was very intrigued by the chemical element Cesium, so I looked it up on the internet. Cesium is atomic number 55. Its symbol is Cs. Cesium, an alkali metal, occurs in lepidolite, pollucte (a hydrated silicate of aluminum and cesium). and in other sources. One of the worlds richest sources of cesium is located at Bernic Lake, Manitoba. The deposits are estimated to contain 300,000 tons of pollucte averaging 20% cesium.

Cesium, gallium and mercury are the only three metals that are liquid at room temperature. Cesium reacts explosively with cold water and reacts with ice at temperatures above -116C. Cesium hydroxide the strongest base known attacks glass. Because it has great affinity for oxygen the metal is used as a "getter" in electron tubes. It is also used in photoelectric cells as well as a catalyst in the hydrogenation of certain organic compounds. The metal has recently found application in ion propulsion systems. Cesium is used in atomic clocks. Its chief compounds are the chloride and the nitrate.

John Sholtis KI4JFO

A NOTE FROM DAVID PENEZIC, WA4GUK

The Gulf Coast Area Repeater Club wants to inform the Amateur Radio community that we have

restored the APRS system. It is on the air at Lee Memorial Hospital. The frequency is 144.390. the system Igates all beacons to the internet. Feel free to use it. It is beaconing (sending CW) every 5 minutes the call sign of WA4GUK-9

Editors note: The following two images are the front and back of a Raytheon reference card sent in by Mike Meehan KI4PTZ. They were also submitted for last month's Modulator but were dropped for space.

FREQUENCY BAND DESIGNATIONS			
P-band	225-390 mc	VLF	to 30 kc
L-band	390-1550 mc	LF	30-300 kc
S-band	1550-5200 mc	MF	300-3000 kc
C-band	5000-6500 mc	HF	3000-30,000 kc
X-band	5200-10,900 mc	VHF	30,000 kc-300 kc
K-band	10,900-36,000 mc	UHF	300-3000 mc
Q-band	36,000-46,000 mc	SHF	3000-30,000 mc
V-band	46,000-56,000 mc	EHF	30,000-300,000 mc

RAYTHEON COMPANY
ELECTRONIC SERVICES OPERATION

JOINT ELECTRONICS TYPE DESIGNATION SYSTEM		
1st Ltr. INSTALLATION	2nd Ltr. EQUIPMENT	3rd Ltr. PURPOSE
A - Airborne	A - Infrared	A - Auxiliary
B - Submarine	B - Pigeon	B - Bombing
C - Air transportable	C - Carrier	C - Communications
D - Pilotless carrier	D - Radiac	D - Dir. finding/recon
F - Fixed	E - Nupac	E - Ejection/release
G - Ground	F - Photographic	G - Fire control
K - Amphibious	G - Telegraph-teletype	H - Record-reproduce
M - Ground, mobile	I - Interphone	M - Maintenance/test
P - Pack or portable	J - Electro-mechanical	N - Navigation aids
S - Surface craft	K - Telemetry	Q - Special purposes
T - Ground, transportable	L - Countermeasure	R - Receiving
U - General utility	M - Meteorological	S - Detect/range/bearing
V - Ground, vehicular	N - Sound in air	T - Transmitting
W - Water, surface and underwater	P - Radar	W - Control
	Q - Sonar	X - Ident. and recognition
	R - Radio	
	S - Special Types	
	T - Telephone (wire)	
	V - Visible light	
	W - Armament	
	X - Facsimile or TV	

FOR FURTHER INFORMATION CALL OR WRITE
RAYTHEON COMPANY
ELECTRONIC SERVICES OPERATION
SECOND AVENUE
BURLINGTON, MASSACHUSETTS
TEL. NO.: AC 617-272-9300
TELEX-094-6287

Example: AN/SPG-51
AN/ = Standard Prefix
S = Surface Craft
P = Radar
G = Fire Control
51 = Design Number

NORMA IS ELECTED AS TREASURER

Since the departure of our beloved Colleen Sammons, KQ4TR, the FMARC Treasurer of record, the office has been monitored by our President, Joe Ryan, N3NAI. At the October meeting of the membership, Norma Remson, KI4JFN, was nominated and elected to complete this year's effort as the Club Treasurer. The Treasurer is nominated and elected each year and installed at the Christmas Dinner Event in December.

THANK YOU, MR. VICE PRESIDENT

On Sunday morning, September 14th, at 10:15 a.m., several of us attended the Memorial Service for Colleen Sammons at her Church. She was honored and remembered by many events, her Masonic Auxiliary friends and by our V.P. Mike Meehan, KI4PTZ. Mike spoke last on the program and will probably be best remembered. So, here is the basic copy of what Mike would share with you of his delivery of comments and remarks.

I would like to read from a poem by Linda Elis, titled "The Dash."

I read of a man who stood to speak at the funeral of a friend. He referred to the dates on her tombstone from the beginning - to the end. He noted that first came the date of her birth and spoke of the following date with tears, but he said what mattered most of all was the dash between those years.

For that dash represent all the time that she spent alive on earth ... and now only those who loved her know what that little line is worth. It matters not, how much we own; the cars, the house, the cash. What matters is how we live and love and how we spend our dash.

For Colleen it was more than just a dash. It was dots and dashes. Amateur Radio was a big part of her life as was her Church, her Masonic Auxiliaries and being a special Volunteer with the All Lee Emergency Response Team at Lee Memorial Hospital.

Colleen's dash was very big. She spent it well. I only had the pleasure of knowing her in the role of a Ham. Those of you that know her in other endeavors will surely agree with my assessment of her dedication to helping others. I am very pleased to see the memorial services by the Masonic organizations she belonged to performed here today. I would like to share a bit of the depth of Colleen's "dash" with you. She was a lady with many talents. I knew her best as a Ham. For those of you who may not know, as the good Pastor here today read in her obituary, she was an Extra Class Amateur Radio Operator. This is the highest class of a Ham License granted by the Federal Communication Commission. To earn this distinction, you have to have a great deal of technical knowledge.

On the other end of the spectrum, she was a beautician and musician. This shows just how broad a knowledge base she had. She use her creative talents in her work with the Fort Myers Amateur Radio Club. She wrote beautiful

Installation of Officer's pledges for the Club in Masonic style. This helped turn a rather mundane event into a memorable occasion.

Colleen, you are missed; 73 and 88.

NOMINATIONS WANTED FOR "HAM OF THE YEAR"

Each year an award is extended to a member of FMARC as the individual many feel served in an outstanding manner for the Club. Your submitting a name is important and urgent for this has to be completed by the Ham Of The Year committee before the December event. Don't be bashful - jot down the name of the ham whom you feel has excelled in membership activity and give it to Don Marzonie. Use the form toward the end of the Modulator to submit your nominations.

MEETING NOTICE

COME MEET JOHN HENDRICKS, KI4LTX. Originally from Virginia, John moved to Fort Myers in 1986 when the company he was employed with moved the R&D department to Fort Myers. He and his family spent a number of years in the early 1990's in Sonderborg, Denmark with the Corporate R&D department of Danfoss, AS. John is currently employed as an electrical engineer with SAMINCO, Inc. and designs embedded microprocessors for use in traction inverters for electric vehicles. He also designs radio control systems for mining equipment. John holds two patents for radio control and monitoring systems for the petroleum industry.

An avid supporter of the Boy Scouts of America, John spends much of his free time working with the scouts in Southwest Florida. He teaches first aid, radio, electricity, engineering, wilderness survival and firearms classes for the Boy Scout Southwest Florida Council. He also teaches wilderness survival, wildlife management, first aid, and firearms classes for the Florida Fish and Wildlife Conservation Commission.

Don't miss this meeting for another of our outstanding program speakers on the 30th at Riverside Community Center. You'll be better for the attendance and we all enjoy sharing your fellowship with many, many, other members of our Fort Myers Amateur Radio Club.

THE PINE ISLAND EAGLE WEEKLY JUNE 25TH ARTICLE was interesting and informative about Amateur Radio Operators participation in emergency operations.

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

OCTOBER 2008

NETS OF RECORD. Daily & Weekly

Round Table (club news) 147.345 MHz. Daily, 7:30 AM
S.W. Florida Traffic Net, 147.345 & 15.170, Mon-Sat, 10:00 AM
Gulf Coast Area Repairer Club, 147.345, Mon., 7:30 PM
All Lee Emergency Response Team, 146.880, Wed. 7:30 PM
Loggerhead, 146.790 MHz, Sunday, 7:30 PM
Cape Coral Gabfest, 146.490 MHz, Thursday, 8:00 PM

1 Round Table 7:30 AM
SWFT Net, 10:00 AM
Lec ALERT, 7:30 PM

2 Round Table, 7:30 AM
SWFT Net, 10:00 AM
C.C. Gabfest, 8:00 AM
GCARC at Riverside Community Center, 7:30 PM

3 Round Table, 7:30 AM
SWFT Net, 10:00 AM

4 Round Table, 7:30 AM
SWFT Net, 10:00 AM

5 Round Table, 7:30 AM
Loggerhead, 7:30 PM

6 Round Table, 7:30 AM
SWFT Net, 10:00 AM
GCARC, 7:30

7 Round Table, 7:30 AM
SWFT Net, 10:00 AM

8 Round Table, 7:30 AM
SWFT Net, 10:00 AM
Lec ALERT, 7:30 PM
FMARC Board of Directors, Araba Shrine, 7:30 PM, Hanson St., FM, FL

9 Round Table, 7:30 AM
SWFT Net, 10:00 AM
C.C. Gabfest, 8:00 PM
Volunteer Examiners at EOC building, 6:30 PM

10 Round Table, 7:30 AM
SWFT Net, 10:00 AM

11 Round Table, 7:30 AM
SWFT Net, 10:00 AM
FMARC Swap Shop 12:noon - Buy, Sell, Swap, Trade Bargains at Waterway Estates Park, C.C.

12 Round Table, 7:30 AM
Loggerhead, 7:30 PM

13 Round Table, 7:30 AM
SWFT Net, 10:00 AM
GCARC, 7:30 PM

14 Round Table, 7:30 AM
SWFT Net, 10:00 AM

15 Round Table, 7:30 AM
SWFT Net, 10:00 AM
Lec ALERT, 7:30 PM

16 Round Table, 7:30 AM
SWFT Net, 10:00 AM
C.C. Gabfest, 8:00 PM

17 Round Table, 7:30 AM
SWFT Net, 10:00 AM

18 Round Table, 7:30 AM
SWFT Net, 10:00 AM

19 Round Table, 7:30 AM
Loggerhead, 7:30 PM

20 Round Table, 7:30 AM
SWFT Net, 10:00 AM
GCARC, 7:30 PM

21 Round Table, 7:30 AM
SWFT Net, 10:00 AM

22 Round Table, 7:30 AM
SWFT Net, 10:00 AM
Lec ALERT, 7:30 PM

23 Round Table, 7:30 AM
SWFT Net, 10:00 AM
C.C. Gabfest, 8:00 PM

24 Round Table, 7:30 AM
SWFT Net, 10:00 AM

25 Round Table, 7:30 AM
SWFT Net, 10:00 AM
FMARC Swap Shop 12:noon, Buy, Sell, Swap, Trade Bargains, at Waterway Estates Park, C.C.

26 Round Table, 7:30 AM
Loggerhead, 7:30 PM

27 Round Table, 7:30 AM
SWFT Net, 10:00 AM
GCARC, 7:30 PM

28 Round Table, 7:30 AM
SWFT Net, 10:00 AM
FMARC, 7:15 PM monthly meeting at Riverside Community Center, Fort Myers, FL

29 Round Table, 7:30 AM
SWFT Net, 10:00 AM
Lec ALERT, 7:30 PM

30 Round Table, 7:30 AM
SWFT Net, 10:00 AM
C.C. Gabfest, 8:00 AM

31 Round Table, 7:30 AM
SWFT Net, 10:00 AM

“HAM of the year AWARD”

Please fill out the form below and nominate your choice for HAM OF THE YEAR award. The winner will be chosen from these nominations by a committee composed of past recipients, and the award will be presented at the annual “Christmas Party” in December.

Send your selection to Don Marzonie at 1303 SE 34th Street, Cape Coral, FL 33904 not later than November 10, 2008.

I nominate _____
 For the HAM of the year AWARD because: (Use additional pages if necessary)

Past recipients of the “HAM of the year AWARD” are:

<i>W4MPV</i> '82	<i>K4OVC</i> '83	<i>KF4JA</i> '84	KA8CXQ '85	WD9AHP '86	<i>K9ALX</i> '87
W4PSV '88	WA4EIC '89	<i>K4FQU</i> '90	AC4VW '91	<i>KC4GOA</i> '92	<i>KI4ZW</i> '93
K3KT '94	WA4DQE '95	<i>KQ4TR</i> '96	<i>N8EL</i> '97	<i>W3JI</i> '98	<i>WB8REJ</i> '99
KA4FZI '00	<i>KA4YHP</i> '01	KC4UCN '02	<i>W4PPG</i> '03	W4LWZ '04	<i>W4KET</i> '05
WA4GUK '06	KF4PHB '07				

As the most recent recipient, **KF4PHB** is the chairman with as many of the earlier recipients who wish to be on it forming the rest of the committee. Calls in *italics* are silent keys. Nominees should be chosen on the merits of the individual with regard to their contribution to amateur radio, FMARC and the community. Since this is a one time award, no past recipient can be considered.

• MODULATOR •

The Fort Myers Amateur
RADIO CLUB, INC.
P.O.Box 061183
Ft. Myers, Fl. 33906

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ALL IN A DAY'S (and night's) WORK I can imagine your hearing about the emergency volunteer work that goes on with many of our members who respond to the call for monitoring and operation of satellite stations all over Lee County. But, if you have not shared in this special kind of event activity, you just don't know what you've missed. You are always invited to be part of the larger picture of the FMARC emergency response team. This is an arrangement with a bit of formal education in learning and qualifying for the operation of a station at a moment's notice. That's for you and me but for our fearless leader, David Penezic, WA4GUK, the duty is a bit extended. Here are his duties and a brief report of the latest "call up" of All Lee County Emergency Response Team for tropical storm FAY.

Friday, 8-15-08; Lee County Management started sending me e-mail about Tropical Storm FAY.

Saturday, 8-16-08; Lee County Emergency Management put our ARES/RACES group on standby and called a meeting for Sunday at 11:00 AM. I started calling team members to prepare them to deploy. Those I did not reach I sent an e-mail.

Sunday, 8-17-08; I attended the Sunday morning briefing and was told we were going to deploy but the final decision would be made on Monday; be ready. I checked the radio equipment in the EOC. I then checked the deployable radio kits in storage.

Monday, 8-18-08; I attended the Monday morning meeting a 8:00 AM. The decision was made to start preparing the special needs shelter now and open the other shelters after school dismissal that afternoon. I gave my team members the information and requested they be at their assigned post by 7:00 PM that night. At 7:45 PM I was able to complete a radio check at all shelters and started supplying information to Lee County Emergency Management and the local chapter of the American Red Cross.

Tuesday, 8-19-08; Telephone and internet communication stayed up for the entire event. Even so, the Emergency Management continued to use us for shelter communication and coordination of activities. Those activities included shelter population counts, bus arrivals, alerting shelters when busses would be arriving to return people to their homes. We even had to turn one bus around because one person had left her insulin at the shelter. After the storm passed shelters started closing as people went home. The last shelter to close was the special needs shelter at 2:30 PM.

The Emergency Operations Center closed operations at 4:00 PM.

Comment: Only one problem occurred. At the Estero Community Center, the radio operators were experiencing receive interference. They could not hear the Net Control but Net Control could hear them. They moved to another repeater (frequency), contacted Net Control and advised him of the problem. About an hour later they found an area in the building where there was no interference.

Moral of the story: If At First you Don't Succeed, Try, Try, again and again.

End of Report: David Penezic, WA4GUK, Lee County RACES EC and RACES Officer.