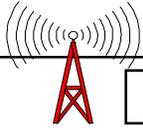


W2MMD



1999 Officers

President	Art Strong	KA2DOT
Vice President	Gene Wallace	N2IMK
Treasurer	Lou Joseph	W2LYL
Recording Sec.	Donna Strong (acting)	
Corres. Sec.	John Fisher	K2JF

Directors

Bob Krukowski	KR2U
Chuck Colabrese	WA2TML
Jim Mollica	K2OWE
Al Arrison	KB2AYU
Mark Townsend	W8HCL
Gene Schoeberlein	AA2YO

Trustees

Stu Cleveland	N2WUP
Tony Scandurra	KG2MY
Ray Martin	WB2LNR
Wayne Wilson	WA2LET

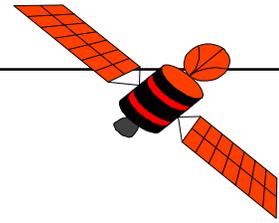
GCARC Meetings

General Membership:

7 p.m., 1st Tuesday every month,
Gloucester County Library, 389 Wolfert Station
Rd., Mullica Hill, NJ.

Board of Directors:

8 p.m., 3rd Wednesday every month,
GCARC site, Harrison Twp. 4-H Grounds
(approximately one mile south of Mullica Hill
on Rt. 77).



Advertising	John	N2AWD
ARES/RACES	Chic	WA2USI
Awards	Jack	K2ZA
Banquet	Bob	KR2U
Budget *	Lou	W2LYL
Callbook Info.	John	K2JF
Clubhouse Site *	Al	KB2AYU
Constitution *		
Crosstalk	Art	KA2DOT
Data Processing	John	AA2BN
DX	John	K2JF
Field Day *	Tony	KG2MY
Hamfest *	Jim	KC2AOF
Hospitality *	Ray	WB2NBJ
Membership *	John	AA2BN
Nominations	Bob	KR2U
Publicity *	John	N2AWD
Repeaters *	Chuck	WA2TML
Scholarships	Greg	WN2T
Special Services	Open	
Sunshine	Miriam	KB2EUA
Technical	Jack	K7LIF
Training & Testing	Chic	WA2USI
TVI	John	K2JF
4-H Parking	Bob	KR2U

(* Standing Committee)

NETS

ARES/RACES - Sundays, 2200 Hrs
(147.780/180 & 223.06/224.66 Repeaters)

10 Meter - Sundays following the
ARES/RACES net (28.350 Mhz)

Club Repeaters and Webpage

147.780/180 Mhz 223.06/224.66 Mhz
447.100/442.100 Mhz (CTCSS 131.8)
Web: <http://users.snip.net/~gradywhite>
E-Mail: gradywhite@snip.net



GCARC CROSSTALK

JULY 1999

President's Message

Generally I wonder what I'll write about when I start this column but this month there are a number of topics to touch on. First and foremost is Field day. Due to prior commitments I couldn't be there but when I was out in the heat, I certainly was thinking about all of you. I was not far from Washington, DC and it was sweltering there, also. Though I did notice that a lot of the hot air was blowing in from Capital Hill, but I guess that was a coincidence. I have heard one report that some wind was blowing so I guess that helped. I also heard that Irma did her usual fine job of feeding everyone. Irma, thank you ever so much for your efforts as I'm sure everyone appreciated all you did for the event.

4-H parking is coming up again. It's to be a four day event starting July 22 and ending the 25. This event is a big money maker for the club and we need people to come out and help. If you want to participate, contact Bob (KR2U) and let him know. Don't delay.

We have discussed it for several months, voted on it and it's coming soon; we are moving the day, time and location of the club meetings. Starting in September we are going back to the old original Wednesday night at 8pm and the location is the Pfeiffer Community Center in Williamstown. A full set of directions will be in this month's and August's issue of Crosstalk.

In August is our Hamfest. According to John (N2AWD) all is going well and tickets and flyers will be coming in the near future. What the Board has

decided to do this year is to send two tickets to each member via Crosstalk. So for the month of August only, we will be sending out a full paper issue of Crosstalk. There will be no e-mail issue. Here again, the hamfest is a big money maker for the club and we need the support of the members to make it come off.

Lastly, this issue may appear to be a bit smaller than usual but that is because of our annual club roster issue taking up some of the usual mailing weight. Plus I'm leaving some room just in case Tony can get me some raw Field day scores before I absolutely must send this issue to the printers.

That covers it for this month. Hope to see you at the meeting.

73's ART - KA2DOT

A-1 OPERATOR AWARD TO WA2LET

At the last meeting, Wayne, WA2LET, was presented his A-1 Operator certificate, emblematic of election to the League-sponsored A-1 Operator Club. Election to the club is based upon demonstrated proficiency as an outstanding operator with clean signals and operating skills and strict adherence to the rules and gentlemanly reputation of an A-1 ham operator. For some 40 years, licensed as WA21LET, Wayne has epitomized all of the characteristics inherent to the A-1 Operator club requirements. His election thereto was overdue. Wayne also holds two Bachelor Degrees, one in Engineering, and presently is responsible for all of the communications operations for the Delaware River Port Authority, a very responsible and important position.

Please congratulate Wayne and wish him well in his next 40 years of ham operations.

TNX de WA2NPD

HAMFEST HAPPENINGS!!!

The club's Hamfest will be on August 22nd, 1999 at the 4-H Fairgrounds (our usual location) and I expect the event will have something for everyone. We will have demonstrations, VE testing, vendors and FOOD! The club's web site has more specific information about all the happenings surrounding the Hamfest. I invite those with Internet access to "Stop by" and look for themselves. But, the point of this article in Crosstalk is to ask for your help. I need your help, expertise and support. I need your support in two ways:

First, I would like to solicit members in selling raffle tickets for the Hamfest. The grand prize is a Yaesu VX-5R HT or a gift certificate from Shop-Rite supermarkets. The choice of two different prizes is to help those selling tickets to people, who might not be amateurs, but support a cause important to you.

Second, I need your help on the day of the Hamfest. Whether you are an early riser or a late sleeper, I need and want your HELP! The bulk of the work is over by 10am and then, everyone is free to enjoy the Hamfest. Please volunteer for any one of the positions needed that day. If you feel that your are restricted by personal situations to certain jobs or times, It is fine with me ... I want and need your help.

I can be contacted by phone during the day at 215-238-4955, night at 609-478-4195 or email at schumacher@kyw.com. Leave me a message with your name and phone number, then I will call you and welcome your help... Thank you for your support and I hope you can find the time

to make GCARC's Hamfest the best in South Jersey.

John Schumacher, N2AWD

NEW GCARC MEETING PLACE

WHERE: PFEIFFER COMMUNITY CENTER

BLUE BELL RD.

WILLIAMSTOWN, NJ

DATE/TIME: WEDS, SEPT. 1, 1999, 8PM
Thereafter, 1ST WEDNESDAY EACH MONTH

DIRECTIONS:

FROM BLACKWOOD/RUNNEMEDE:

Take old RTE. 168 or RTE 42 (North-South Freeway) east to Williamstown. At the intersection of RTE. 42 and Sicklerville Rd. (RTE. 536) (See Geet's Diner sign) turn right to next traffic light. At light turn left to Blue Bell Rd. and turn right to Community Center.

From Shorepoints:

Take Atlantic City Expressway to exit 38 and turn left. Continue past intersection of Rte. 42 and Rte. #22 (Geets Diner) to next light. Turn left and continue as noted above.

From Glassboro area:

Take Rte. 322 east to Williamstown. In town, continue past Williams gas station, head into town, and continue to Blue Bell Road. Turn right to Community Center.

From Franklinville/Newfield Are:

Take Rte. 322 west and continue as noted above in shore points instructions.

PSK31 A NEW DIGITAL MODE

For those of you that listen to the Repeater a.m. commuter chatter you may have heard me mention a new mode for digital enthusiasts. That new mode is PSK31.

PSK31 has been in use for a couple of years by real diehard digital types

using homebrew DSP equipment and computers. The mode recently received a big boost in its availability and popularity because of a new, readily available software package developed by Peter Martinez, G3PLX. (Download information is at the end of this article.) The software is available in DOS or Windows versions. I am using the Windows version - the display is straightforward. It contains a window for Received and Transmitted text. Tuning is very critical to proper reception so the operating screen also contains a small spectrum analyzer waterfall display and a Magic-eye type tuning indicator.

I believe this mode will appeal to many. Best of all the software is FREE! It's EASY - anyone with a computer containing a sound card and a stable Transceiver can operate this mode. The software program is small (only about 1.5M) so it will fit nicely on any computer system. The package is easy to configure and operate - I made my first QSO within an hour of downloading the program. The mode is very spectrum friendly - it uses a mere 31.25Hz of our precious bands. Because of the method used to encode the transmission, it operates near error free in-spite of QRM and QRN. QRP enthusiast please note - I have had several error free, long (60minutes+) QSO's with Dx stations on a very crowded 20 meter band with both of us using less than 30 watts. I have made stateside contacts running much less than 5 watts.

How does it work?

The code used to generate the keying tones is similar to RTTY but more closely resembles CW in that character lengths are not constant as in RTTY. G3PLX analyzed the English language to determine the most used letters. He then assigned a digital code to the entire alphabet - using the smallest number of bits to define the most

frequently used letters. Using this method, he devised a variable length code set (Varicode), similar to Morse Code. This Varicode is used to shift the phase of the transmitted carrier. By using audio frequencies to accomplish this shift, we are essentially transmitting a two-tone data stream. The transmission speed is approximately 50WPM. This speed yields a baud rate of 31.25 or Phase Shift Keying - PSK31. Accepted practice is to use the USB setting for transmission, regardless of the band you are operating on. Most PSK31 activity is found from 69-71Khz up from the bottom of the band (except on 30m PSK31 is at 140Khz up from the bottom).

For more details on this interesting new mode - visit the PSK31 Web page at: <http://aintel.bi.ehu.es/psk31.html>. This page contains a much more detail than I have included here and the software is available for downloaded. I strongly recommend printing out the "Help" pages and reviewing them before attempting your first QSO.

Hope to see you all on the bands on
PSK31.

73 - Harry, AA2WN

HAPPY BIRTHDAY TO THE FOLLOWING
FOR THE MONTH OF JULY
FROM ALL THE MEMBERS OF G.C.A.R.C.

CALL	FIRST	LAST	DAY
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N2FJQ	ALAN	TRUEBLOOD	4
K2DAD	ROBERT	KRCHNAVEK	11
KC2PC	CHRIS	KELLY	16
N2YNB	GOLDIE	ROSENBERG	16
KB2VSE	JOHN	LOGAN JR.	18
KA2DOT	ART	STRONG	20
N2WHL	RAYMOND	FLANIGAN	21
WB2THM	LOUIS	MICELI	22
N2HTS	CONRAD	SALATI	27

FIELD DAY 1999

Well, another Field Day has gone by, and, like fine wine, we are getting better every year. God nows we fermented in the sun this weekend!

A quick look at the logs indicate we garnered almost 11,000 points. I'll have a complete report and a write-up in next month's Crosstalk.

I wish to express my appreciation to all who participated in making this Field Day the big success that it was. Special mention to Irma Colabrese for an excellent job. I'll have more to say about that later.

In the meantime, start thinking about what YOU will be doing next year. Your fearless Field Day leader needs your help to keep making this the best Field Day site in SNJ! See you on Tuesday!

73, Tony KG2MY, 1999 Field Day Chairman

DEADLINE FOR CROSSTALK

July 16th is the deadline for the August issue of Crosstalk. Yes it is early but then I will be on vacation when I would normally be putting it together. So get those articles to me asap so I can include them. Send them to Apt 11-E 801 W. ParK Ave. Lindenwold, NJ, 08021; ka2dot@Bellatlantic.net. Either way, I'll get it.

73's ART

JULY 1999

GLOUCESTER COUNTY AMATEUR RADIO CLUB

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
6	5	6 General Membership Meeting 1900	7	8	9	10
11	12	13	14	15	16 Deadline For Crosstalk	17
18	19	20	21 Board Meeting 2000	22 4H Parking	23 4H Parking	24 4H Parking
25 4H Parking	26	27	28	29	30	