



Presidents Message

As I sit here tonight I can't help thinking of field day and what to expect. I know that our operators will do their best to give the club another win in our class, what worries me is the weather on the weekend and what conditions we will have to put up with. Ray, WB2LNR, has been working to get band chairpersons and everything else taken care of. John Fisher, K2JF, has notified the local press about field day and what its purpose is and has invited the public to come out and see what we hams can do to provide communications under emergency conditions. I hope all our club members will get out and do some operating to help make this another banner year.

2003 DUES

GCARC dues for the year 2003 are due. The annual dues are \$15.00. Please send your checks directly to the treasurer, Bob Krchnavek, (K2DAD) at 50 Eastwick Dr., Gibbsboro, NJ 08026.

Let us not forget that the Hamfest is coming up in August and Harry, AA2WN, needs our help setting up on Saturday and also on Sunday to help run it and clean up afterward. We all know that the Hamfest is very important to the club's financial well being. Remember it is also an excellent time to have eyeball qso's with many fellow hams who we have been chatting with on the air and maybe pick up a bargain or two at the same time. I'm sure Harry will appreciate all the help he can get.

This year we will be asked to help with some public service events such as the Crop Walk in Pitman, the Lupus Walk at Washington Lake Park and the Cub Scout Jamboree on the Air (JOTA) at Grice Scout Camp. Please volunteer your time to help out at one of these events.

John, K2JF, has been busy sending out invitations to new hams and hams that have moved into the area to join the GCARC or come to see what we can offer to a ham. I know what it feels like when you get your ticket and then wonder what to do to get on the air. If you know of a new or old ham that may need help, get them to one of our meetings or better yet to field day.

Best 73,
Ray WB2NBJ

DX Dope

By Doug Gehring, WA2NPD

This will be a two-part drama about the new Logbook of the World (LoTW), the second part appearing next month.

The first part will describe in general terms what the LoTW is about, its purpose, and a general outline. Perhaps a good definition of the LoTW is that it will be an inexpensive, electronic (internet) means by which the Ham can obtain ARRL Certificates and Awards (DXCC, for example) without having to first obtain and submit hard copy QSL cards to either the League or to a card checker. Thus, it eliminates the expensive, time-consuming process of trying to get the other ham that you worked to send you his card for eventual credit towards some award sponsored by the League. It does not eliminate the present method of QSLing and then submitting the cards for Awards; it is a simpler, alternative, and/or a complementary method to the present system. Hence, it will NOT do away with the traditional method of QSLing and card collecting. The LoTW will NOT provide an additional means to collect hard copy QSL cards, this must be done the same as always. The LoTW major advantage is the potential of saving a typical DXer hundreds of dollars annually in postage, green stamps, IRCs, and especially turnaround time. The program is open to ALL Hams, ARRL members and non-members alike. The system has been made very highly secure by implementation of Digital Signature Technology and that is the major key to the success of this program. The Ham User must first upload his own log data to the LoTW in order to access the logs submitted by others. Files to be used will be in ADIF and/or Cabrillo format. Before uploading, the Ham must first register, obtaining a Digital Certificate; thereafter the LoTW database would provide the submitter any QSO "matches" with the log submissions from others. Registering and uploading log data to LoTW will be FREE! Only when applying for an Award will the usual ARRL fees be charged with a per-credit match from LoTW yet to be determined. For starters, only recent QSO data will be accepted but later on old log data will be added. Also, the League will publish a list of logs that have been submitted (details of this not yet available). Next month we will attempt to provide more detailed information and expansion of some of the parts of the program mentioned above.

Many congratulations to Ray, WB2NBJ, upon obtaining his DXCC. Ray has submitted QSL's evidencing that he has worked at least 100 DX entities. In fact, Ray has a DXCC Phone certificate, as all his QSO's have been via SSB. Nice going, Ray!

So what's out there for this month? At this writing the HF band conditions continue to be poor (solar winds, etc.) at best.

<u>STATION</u>	<u>DATES</u>	<u>FREQ/MODE</u>	<u>RARITY</u> *	<u>COUNTRY</u>
T21MY/T2YL	Now till 7/1	80 – 10; SSB, CW	3	Tuvalu Is.
N4BQW/KH9	Now till ~7/20	160 – 20; SSB, RTTY 06-1100z	3	Wake Is.
CU2/SM3CVM/P	6/24 – 7/6	80 – 10; CW	2	Azores
OJ0VR/OJ0RJ	7/10 – 7/14	160 – 6; SSB, CW	3	Market Reef
T32Z	6/30 - 7/21	80 – 6; SSB, CW, digital	3	E. Kiribati
VP2M—(1)	7/23 – 7/29	All; All	2	Montserrat
FO ?	7/10 – 7/22	40 – 10; SSB, CW	3	Austral Is.
A25FV et al	7/2 – 7/6	160 – 6; SSB, CW	3	Botswana
7P8NR et al	7/7 – 7-11	160 – 6; SSB, CW	3	Lesotho
5W0AH	7/3 – 7/15	40 – 10; SSB	3	Samoa
KH8 ?	7/17 – 7/23	40 – 10; SSB	3	American Samoa

(1) a major DXpedition

*5 is rarest

Thanks to The Weekly DX; 425 DX News, W2YC, AA2WN, WA2LET, K2JF

Help Needed with Washington Twp. Parade

The organizers of the Washington Township Fourth of July Parade have asked the Club for our assistance. They would like to have several of our members along the parade route to relay information about the progress of the parade so that they can take necessary measures to keep the parade moving. Any members who are available on the Fourth of July and have a 2 meter handheld rig can help out. If you are available and would like to help please contact Chuck Colabrese, WA2TML.

Club Designated Special Service Club

The GCARC has been designated a Special Service Club by the American Radio Relay League for our work in 2001 and 2002. The designation is in recognition of our help in such activities as the Crop Walk, Lupus Walk and the Jamboree of the Air (JOTA) with the Cub Scouts. The designation is good through 2005.

60-Meter Band to Become Available July 3

The new five-channel 60-meter amateur allocation becomes available to US Amateur Radio operators at midnight (12:00 AM) local time on July 3. The local time designation means that amateurs in the US territory of Guam likely will be the first to get a crack at the new band.

The new band will be a secondary allocation--federal government users are primary--and the first on which the only permitted mode will be upper-sideband (USB) phone (emission type 2K8J3E). The FCC last month announced it would grant hams access to five discrete 2.8-kHz-wide channels instead of the 150 kHz-wide band ARRL had requested and the FCC initially proposed.

The FCC has granted amateurs center-channel frequencies of 5332, 5348, 5368, 5373 and 5405 kHz--the last channel common to the amateur experimental operation under way in the United Kingdom. To be "on channel," users of 60 meters should set their transmitted carrier frequency 1.5 kHz lower than the channel-center frequency. In terms of day-to-day operation, the new band is expected to resemble the sort of channel sharing typical on local repeaters.

Hams using the new frequencies will need to keep additional records if they use anything other than a simple half-wave dipole for an antenna.

According to §97.303(s), a half-wave dipole on the 5 MHz allocation will be presumed to have a gain of 0 dBd. "Licensees using other antennas must maintain in their station records either manufacturer data on the antenna gain or calculations of the antenna gain," the newest addition to the FCC's Amateur Service rules says.

Because the new rules also require hams to run no more than 50 W effective radiated power (ERP) on the new channels, the choice of antenna becomes an important compliance factor. The FCC rules stipulate, "For the purpose of computing ERP, the transmitter PEP will be multiplied with [sic] the antenna gain relative to a dipole or the equivalent calculation in decibels."

Under no circumstances may amateurs on 5 MHz radiate more than 50 W ERP in any direction, so those choosing to employ gain antennas will have to "do the math" and calculate their ERP. They also will have to keep a record of such antenna gain calculations on file.

Thanks to the American Radio Relay League and the [ARRL Letter](#).

Happy Birthday

Congratulations to the following Club members:

Ray Flanigan, N2WHL	7/21
Anthony Gargano, N2SS	7/14
Christopher Kelly, KC2PC	7/16
Bob Krchnavek, K2DAD	7/11
John Logan, KB2VSE	7/18
Frank Messick, KC2JIW	7/31
Louis Miceli, WB2THM	7/22
Art Strong, KA2DOT	7/20
Dave Strout, W2YC	7/17
Alan Trueblood, N2FJQ	7/4



Crosstalk Submissions

All submissions, queries, comments, editorials, etc. should be directed to:

Gene Schoeberlein, AA2YO
401 Westwood Drive
Woodbury, New Jersey 08096-3131

aa2yo@arrl.net

Submission deadline: 7/25/2003

President-Ray Schnapp WB2NBJ
Vice President-Wayne Wilson WA2LET
Treasurer-Bob Krchnavek K2DAD

Chuck Colabrese WA2TML
Lou Joseph W2LYL
Al Arrison KB2AYU

Advertising-Open
ARES/RACES-Chick WA2USI
Awards-Jack K2ZA
Banquet-Bob KR2U
Budget-Bob K2DAD
Clubhouse Site-Al KB2AYU
Constitution-Open
Crosstalk-Gene AA2YO
Database-Bob K2DAD
DX-Doug WA2NPD
Field Day-Ray WB2LNR
Hamfest-Harry AA2WN

GCARC Officers

Recording Secretary-Harry Bryant AA2WN
Corresponding Secretary-John Fisher K2JF

Board of Directors

Gene Schoeberlein AA2YO
Bob Krukowski KR2U
Bill Blakeley WA2ADB

Committees

Hospitality-Ken N2CQ
Membership- Bob K2DAD
Nominations-Art Strong KA2DOT
Publicity-Open
Repeaters-Chuck WA2TML
Scholarships-Greg WN2T
Special Services-Gene N2IMK
Sunshine-Open
Technical-Bob KR2U
TVI-John AA2BN
VEC Testing-Chick WA2USI

The W2MMD Repeaters

147.78/18 Mhz- Pitman
(CTCSS 131.8Hz)

223.06/224.66 Mhz-Sewell

447.1/442.1 Mhz - Pitman
(CTCSS 131.8Hz)

GCARC Meetings

General Membership

8 pm 1st Wednesday every month
Pfeiffer Community Center
Williamstown, NJ

Board of Directors

8 pm 3rd Wednesday every month
GCARC Club site
Harrison Twp. 4H Grounds
1 mile south of Mullica Hill on RT77

Nets

ARES/RACES
Sunday 20:00 Hrs
(147.78/18 and
223.06/224.66
repeaters)

10 Meter- Sunday
following the
ARES/RACES Net
(28.350 Mhz)

July Meeting Program

Club Business
Field Day Results
Socializing

Gloucester County Amateur Radio Club
P. O. Box 370
Pitman, NJ 08071

