



## *Presidents Message*

The Club's new officers and board of directors have been busy the past month with the following activities:

- Reserving 4H grounds for our September Hamfest
- Finalizing our 2012 operating budget
- Identifying all Club committee chairpersons
- Planning monthly Club programs for 2012
- Formulating new ways to increase Club membership
- Making modifications to our Club's website
- Monitoring 147.18/88 repeater performance

For example, the newly established Contests Committee has been combined with Awards and will be headed up by Kenny, W2KRD. A complete listing of all committees can be found on Page 10.

I'm confident that 2012 will be an exciting year for our Club with all its planned activities and programs. More importantly what are your personal plans for 2012? Is this the year you upgrade your license? Or learn to use a new operating mode; CW, digital, QRP, satellite, DX. If so, how can the Club help you achieve your goals? With our active membership I believe we have a specialist in every aspect of amateur radio. Don't be afraid to ask for assistance. Or, if you decide to go it alone, share your knowledge and experiences with your fellow members. Write an article for Crosstalk, volunteer to make a Club or Elmer session presentation. We have members that can help write an article or put together a presentation.

The Club is also very interested in promoting amateur radio within the community. For example, Bill, NJ2S has been requested to give a presentation on ham radio to BSA Troop #9 in West Deptford on the evening of Thursday, February 2nd. Bill is working with Cory, WA3UVV and possibly others to make this an exciting and informative session. In addition to promoting amateur radio, it also lends itself nicely to increasing the general awareness of our Club and the public service we perform within the community.

On another note, I've been asked by Lou, KC2FXK, our Club Treasurer to remind all members to renew their membership for 2012 and that he would gladly accept your dues in person or via the mail. And if you need to renew your ARRL membership, please do so through the Club for which the Club will receive a percentage. Lou's mailing address is listed in both the Club's membership directory and QRZ.com

Finally, as I mentioned at our January Club meeting, the Aruba Amateur Radio Club (AARC) has been in existence for over 50 years which is about the same time as our Club. In order to save Amateur Radio in Aruba, the AARC has been lobbying, for the past few years to update its current and very outdated legislation governing Amateur Radio there. In order to raise awareness with their government officials and show Please see "President's Message" on Page 9.

# Down Jersey DXing

By Bill Grim, W0MHK

It's hard to pass up the two opportunities to work a couple of rare DX locales like HK0NA, Malpelo Island, and VP6T, Pitcairn Island (of Fletcher Christian and "Mutiny on the Bounty" fame) especially with radio conditions improving so much of late.

Let's try a DX experiment! How about a chart to calculate our best chances at hearing and working these two from Down Jersey? For now, let's specifically look at the Malpelo effort off the Pacific Coast of Columbia.

An advance team of 4 hams has already set up most of the infrastructure for the HK0NA operation. They have been using valid licenses ahead of schedule to test out equipment, antennas, and computer equipment. Some have been fortunate enough to work them ahead of their official Jan. 21st fully-manned, operation. A major site on top of the highest "rock" on the island will be put into operation when the rest of team arrives. This should give you an even better chance to work them!

Checking propagation tables which are calculated from information such as smoothed sunspot numbers, season of the year, solar phase (activity), area of the world to communicate with, and finally the specific table for Eastern USA the following would be the best times to add Malpelo to your DXCC credit:

|                       |   |
|-----------------------|---|
| 10 Meters (12 Meters) | - 11AM EST(1600Z) to 2PM EST(1900Z)                             |
| 15 Meters (17 Meters) | - 2PM EST(1900Z) to 4PM EST(2100Z)                              |
| 20 Meters             | - 7AM EST(1200Z) to 9AM EST(1400Z) & 5PM(2200Z) to 7PM(00Z)     |
| 40 Meters             | - 10PM EST(0300Z) to 12 Midnight EST(0500Z)                     |
| 80/160 Meters         | - 9PM EST (0200Z) to 2AM EST(0700Z) Also, check before sunrise! |

Realize that these are "predicted peaks" to be used as a guide and are not "set in stone" due to variations in radio propagation from day to day (and sometimes hour to hour!) You should also have success listening before and after peak times as a general rule of thumb. 12 Meters should be similar to 10 Meters and 17 Meters should be similar to 15 Meters. Check 30 Meters on a "catch as catch can" basis. It should be open to HK0 many hours especially from morning to early evening.

The above chart should also do nicely for some of our 10 DX picks below like J3 and KG4. Although probably less accurate, for the sake of brevity, this chart might be of help to you in GENERALLY anticipating the workability of VP6T also. Pitcairn Island's geographic location being relatively close to mainland South America will probably display more Southern Hemisphere propagation characteristics than VK/ZL propagation charts to Eastern North America.

Hope this quick tutorial might help and not confuse. Drop me a line anytime on the net with questions about the hunt for a new one.

Please see "DX" on page 3.

## February Club Meeting Program

At this month's General Membership meeting Doug Gehring, WA2NPD, will present a program titled the "Art of QSLing." Doug has a amazing collection of QSL cards from his many years as a Ham, some very rare and exotic. At the meeting Doug will share his secrets to bagging the elusive QSL. There is a picture of Doug and some of his QSLs on page 9 of this issue of Crosstalk.

“DX” continued from page 2.

Good luck and here's our February list of top DX picks:

| CALL        | DATES     | HIGHLIGHTS           | RARITY(5=MOST) | ENTITY        |
|-------------|-----------|----------------------|----------------|---------------|
| VP6T        | 1/20-2/4  | BIG EFFORT           | 4              | PITCAIRN IS.  |
| HK0NA       | 1/21-2/8  | BIGGER EFFORT!       | 5              | MALPELO IS.   |
| J3          | 2/1-2/9   | OPS/100 WATTS        | 1              | GRENADA       |
| ZK2C        | 2/3-2/17  | 9 OPS/160-6M/ALL     | 2              | NIUE          |
| KG4'S       | FEBRUARY  | MANY 2 LETTER SUF.   | 1              | GITMO         |
| A52JF       | 2/11-2/15 | 40-10M/CW,SSB,PSK    | 4              | BHUTAN        |
| H40FN/H40FK | 2/11-2/24 | CW / DIGITAL         | 2              | TEOMOTU       |
| 3B9         | 2/14-2/21 | 40 - 10 METERS/CW    | 4              | RODRIGUEZ IS. |
| 3DA0PW      | 2/14-2/29 | 80-10M/CW/2 STATIONS | 2              | SWAZILAND     |
| XP2I        | 2/24-2/29 | 160-10M/CW/NEAT PRE  | 2              | GREENLAND     |

SOURCE: NG3K ADXO

## Welcome New Members

This month the Club welcomes two new members, Nynah Mason and Joseph Shevlin. They both hold Technician Class Licenses and Nynah is from Woodbury and Joseph is from Newfield. Please introduce yourself to them and make them feel welcome when you meet them at Club meetings and functions.

## Welcome!

By Cory Sickles, WA3UVV

Everyone likes to feel welcome. Whether you are entering a business, a strange town, a new restaurant or an Amateur Radio club's meeting, it's great to feel welcome.

The GCARC is embarking on a marketing project, designed to reach out to the nearly one thousand Hams in our corner of South Jersey. They may be new to our ranks, or old timers that may want to become more active in Ham Radio. We're hoping to reach out and get at least some of them to check out our informative web site, [www.w2mmd.org](http://www.w2mmd.org), and then attend a meeting. That's where you come in. It would be wonderful if a new face (or one you haven't seen in awhile) could be greeted with a smile, handshake and some conversation. Each month, we ask if there are any visitors. Usually, someone (sitting in the back) stands up and says a few words. What if you invited them to sit with you? What if you could introduce them (name and call is all you need to know) and then let them tell us about themselves? It would be a warmer reception and would further encourage new members.

Right now, the Club is nearly up to 100 members. I'd like to see that number grow significantly this year. As a Club, we have to plan for the future. Ham Radio is growing. The Club should be as well. Visitors, graciously welcomed, are more likely to become active members. Some may become the Club's leaders. That's good for all of us in many ways. So, as communicators, please take a moment every meeting to ensure that "someone" has communicated with visitors and given them the impression that the GCARC is an organization worth knowing more about. Plus, when we get a new member, please take a moment to introduce yourself, see what their area(s) of interest are and introduce them to someone that can possibly answer some questions or work to Elmer them. After all, if you were new, wouldn't you like it if that courtesy were extended to you?

# An Open Invitation

By Jim Wright, N2GXJ

Come on out and have some fun with the Gloucester County Amateur Radio club in 2012!

Our Club is a general purpose radio club that attracts members with a wide range of interests. We welcome DX'ers, contesters, VHF enthusiasts, rag chewers, digital enthusiasts, do-it-yourself builders, tinkers, collectors, restorers, CW operators, QRP and QRO, those who like to work satellites and bounce signals off the moon, and, of course, those interested in emergency communications, community service, or in just learning more about amateur radio.

In addition to the premier activities we actively participate in each year (including Field Day, ARES/RACES, BSA/4H, VEC testing, hamfest, and providing communications support to local and community charity events), we also have an excellent line up of educational programs that we conduct as part of our regular monthly meetings. Visitors are always welcome at our meetings and programs! Come on out, pull up a chair, socialize a bit, and have some fun while learning from the best about a diversity of interests that are all part of our fantastic hobby!

## Club Programs 2012

By Jim Wright, N2GXJ

The Gloucester County Amateur Radio Club is pleased to announce an outstanding line up of programs for this year's general membership meetings. Last year, club programs included a visit from Riley Hollingsworth, former special counsel for the FCC's enforcement bureau. There were educational programs on VHF/UHF narrow-banding, digital technologies for emergency communications, amplifier basics, and an overview of the ARRL awards program. We were treated to a program detailing an antique radio restoration and to a guest speaker from the Monroe Public Library. There was also one fun program night devoted to free pizza and socializing.

This year, we're back at it again with a full line up of programs. There's a little something for everyone. Why not support our club and our guest speakers? Come on out and enjoy the company and the fun! (note: program dates, topics, and speakers are subject to change. For the latest updated program information, please consult the Club's latest issue of Crosstalk or current web page postings at [w2mmd.org](http://w2mmd.org) ) Below are the tentative programs for March through December.

### “What is Software Defined Radio?” (3/7)

Our guest speaker for the evening comes straight from FlexRadio Systems, the world-wide leader in software defined radios for the radio amateur. What is software defined radio, and why is it gaining in popularity? Is there a software defined radio in your future? Sure to pack the house, this is a great chance to come on out and see for yourself what the “SDR” buzz is all about.

### “Man your battle stations!” (4/4)

On April 17, we have reserved the opportunity for a group from the club to operate as guests in the radio room on the historic Battleship New Jersey. This date coincides with the ARRL's rookie roundup for this year, which should make QSOs from the battleship even more fun! Our guest speaker for this month's club program is Harry AA2WN, president of the Battleship New Jersey Amateur Radio Station. Come on out and hear about the history and ongoing restoration of the radio room on board this museum ship. It'll be fun!

Please see “Programs” on Page 5.

“Programs” continued from Page 4.

“Dit, dit, buzz, buzz – the digital modes” (5/2)

What makes the digital modes so fun and popular world-wide for both new and old hams alike? Our guest speakers for the evening, Ken N2CQ and Jim N2GXJ, are both digital enthusiasts and members of the European Phase Shift Keying club. They will introduce the digital modes, and what makes them so popular for DXing, contesting, and QSLing. There will be live demonstrations of the most popular digital signals you are likely to encounter on the bands, and of popular software packages used for these signals. Anyone who has a laptop with built-in microphone is encouraged to bring it to the meeting this night to get some hands-on experience with their favorite digital software, as we pair up in teams to play a few rounds of “decode that signal!” Bragging rights to the victors? Sure thing! CU There!

“Pizza & Swap Shop Night” (6/6)

A popular night where we get together, socialize, and enjoy some free pizza. We’ll catch up on Dayton, and talk about the up-coming Field Day. Each of the band chairmen will get a chance to say a few words about their teams and the antenna and operating setups they plan to use. For swap shop, guys empty the junk from their shacks and bring it to the club meeting and put it up for sale. Stuff that doesn’t sell usually ends up on the Club table at the Hamfest. This is a great night just to come out and say “hi”.

“Field Day” (6/23-24)

Come one, come all to the Club site at the 4H fairgrounds on RT77 just outside of Mullica Hill! Field day is the single most popular on-the-air event held annually in the US and Canada, designed as an activity where many aspects of Amateur Radio all come together. This is a premier activity for both the serious and casual ham operator in our Club, with the multiple dimensions of emergency response practice, contesting, socializing, and public relations all thrown in with “off the grid” setup and operations conducted in a field under less than optimal conditions.

“Fox Hunt” (7/tbd)

No, we are not being cruel to animals here. We’re talking about a radio direction finding (RDF) activity, where teams and individuals try and find a hidden transmitter (the fox) by using directional antennas and/or signal strength measurements. Though this is a fun event, the skills practiced are useful in other applications, such as in helping to pinpoint the source of nuisance radio frequency interference, or to assisting in the locating of downed aircraft and/or persons in distress. Afterwards, we all meet at a designated watering hole to socialize and exchange hunt stories. [Date/time of this event to be announced. There will be no club meeting on July 4]

“Antique Radio Restoration” (8/1)

Gloriously restored radios of yesteryear become the show pieces of this evening’s program. As a follow-up to one of last year’s most popular presentations, Vinnie N4NYY returns as our guest speaker with several of his latest restoration projects. You’ve got to see this one for yourself. The “before” and “after” comparisons promise to be truly amazing!

“VHF and up” (9/5)

There’s a whole world of amateur radio above HF enjoyed by radio enthusiasts the world over. September 8-10 are the dates of the VHF QSO party. Later in the month is the 10GHZ and up contest. In October comes the international 2.3GHZ and up Earth-Moon-Earth contest where stations attempt to use the moon as a reflector to make their long distance contacts. Amateur radio satellites often are designed to communicate on VHF and above. Our W2MMD repeater system uses VHF and up frequencies. How do

Please see “Programs” on Page 6.

“Programs” continued from Page 5.

these systems work? What does it take to operate on these frequencies? What about antennas? Our guest speaker for the evening is our former club president, and accomplished high band operator Al KB2AYU. A variety of topics may be covered on the same night. Stay tuned for more details!

“Emergency Communications” (10/3)

Do you know what to do in times of disaster? (after all, this is 2012! ☺). It has been said that when all else fails, amateur radio can still get through. But are you prepared? Experienced club members Gary, N2QEE, with help from John K2ZA, will introduce the topic of emergency amateur radio communications, and the steps you need to take to take now to be able to provide useful assistance if called upon to do so in the future.

“A DX primer” and “LoTW overview” (11/7)

This is a night of two programs with a common theme. Accomplished DXers both, Bill, W0MHHK, and Dave, W2YC, share the evening as guest speakers to introduce these related topics. As the author of the Crosstalk column “Down Jersey DXing”, Bill and his DX buddies roll some of their knowledge and experience into a “DX Primer”, to help some of us less experienced operators get on the right path to catching more good ones. Dave, as the first person in the world to be awarded the ARRL’s Triple Play WAS Award (1/15/2009), knows a thing or two about getting fast QSL confirmations using ARRL’s Logbook of The World (LoTW) system. Dave will summarize his experiences, and provide pointers on the setting up and use of LoTW for the benefit of those not that familiar or comfortable with the LoTW system.

“What I like about ham radio” (12/5)

Following the club officers election, this part of the evening is a relaxed, informal, and popular program where club members have the opportunity to stand up and share a few words about how they first got in-

## The Happiest Place on Earth

By Cory Sickles, WA3UVV

That’s how Walt Disney World (WDW) bills themselves. Whether or not there may be an even-happier place for you, is a personal matter. The fact is though; it’s a pretty cool destination.

We went down there for our Christmas vacation. This trip marked my fourth time. I’ve flown twice and driven twice. Driving lets you see a bit more of the country on the way, plus gives you the opportunity to chat with some fellow traveling Hams on .52 or local repeaters. As I’ve written before, I seem to have better luck scaring up contacts on simplex, than repeaters. (There are 2 repeaters in the park – you might scare up some QSO’s with other visitors)

If you have a technical mind, it’s impossible to experience WDW without thinking “How’d they do that?” throughout the day. With the exception of Animal Kingdom, the parks put on a fireworks display, parade, lightshow or some other form of pyrotechnics and laser projection every night. Each time I’ve seen the show, it gets that much better.

While there’s some very cool stuff going on in Magic Kingdom and Hollywood Studios, EPCOT remains my favorite park. The subtle expressions of imagination and engineering combine to produce some of  
Please see “Happiest” on Page 9.

## CQ 29.600?

By Jim Wright, N2GXJ

I just about fell out of my chair! I was just spinning the dial up towards the top of the 10M band and all of a sudden stumbled upon a very loud but garbled voice signal up there. Now some of you old timers are going to laugh at me, but I don't frequent the upper part of 10M that often, so wasn't sure what was going on and why I couldn't tune in this obviously strong signal.

Curious, I twiddled some with my radio and figured out how to switch from USB to LSB. Nope, that didn't do it either. Maybe this was an AM signal? I'd heard some AM stations on HF the other day, and they seemed to be having a good time. Alas, no. This wasn't AM. So what could it be? FM? OMG! That was it! I quick checked the handy band chart I had picked up from HRO in Delaware during my last visit. Sure enough, the band plan for the top of 10M is reserved for FM, and 29.600 is a designated FM simplex calling frequency! "K7JE from N2GXJ" .... And he answered back! I just made my first FM QSO on 10 meters! So cool! You just never know what you're going to find out there!

I know it takes a lot of dial spinning to work all the way up there from my favorite 28.120 PSK frequency, but since that day, I do check out the upper part of 10M every once and a while. Last October, I just about fell out of my chair again! This time I was hearing European stations simplex on 10M FM! In quick succession, I had two trans-Atlantic FM QSOs – one with IZ8FOV (Italy, 4560 miles), and one with GI0BQX (Northern Ireland, 3260 miles). Since then, I've also talked with EA1AJV (Spain, 3370 miles), and just this evening, when the whole rest of 10M seemed dead, with WA6QGH (southern California, 2295 miles).

So next time you feel like wandering the 10 meter band, why not try something different? Take a spin on up to 29.600. You never know who you might find there!

Table 1: Some 10 Meter Calling Frequencies

| BAND     | Freq (Mhz) | Mode   | Comment   |
|----------|------------|--------|---|
| 10 Meter | 29.600     | FM     | FM Simplex Calling Frequency                      |
|          | 29.0-29.2  | AM     | AM Operations                                     |
|          | 28.680     | SSTV   | Slow Scan TV (USA/Canada)                         |
|          | 28.385     | SSB    | QRP SSB (USB) Calling Frequency (technician band) |
|          | 28.200     | Beacon | NCDXF Beacons (no TX on this frequency please!)   |
|          | 28.120     | PSK    | Digital PSK31 (USB)                               |
|          | 28.060     | CW     | QRP CW Calling Frequency                          |

(ref: <http://ac6v.com/callfreq.htm>)

## VEC Testing

Regular VEC testing sessions are scheduled for the second Thursday of the month at 7:00 PM and are held at the Franklin Township Public Library on Coles Mill Road in Franklinville. The cost of the exam is \$15. Candidates are required to have a photo ID and two copies of their current license if they have one. For further information on VEC testing or to sign-up for a session contact Gary Reed at 856-582-4365 or at [glreed49@verizon.net](mailto:glreed49@verizon.net).

## Thank You!

By Cory Sickles, WA3UVV

For the January meeting, I gave a presentation about DIY and the value of knowing how things work. As a follow up to the warm feedback from many, I'm putting together a resource page of kits, parts suppliers and more for the web site. By no means will I be able to put "everything" there, as I'm sure I'll forget something. Please feel free to add to the page, with information you may have that can be shared.

## Dual-Band Handheld That's Different from All the Rest

By Cory Sickles, WA3UVV

Alinco is now shipping their much-anticipated DJ-G29T. What makes it different? The bands it covers, 222 and 902 MHz. That's right, not only is it the first such dual-bander for the Amateur Market, it's the first rig to cover our 902 – 928 MHz allocation!

Even more amazing is that these are 2 allocations that are unique to North America. Up to now, if you wanted to get on 902 (33 cm), you had to convert and/or reprogram a used Land Mobile Radio (LMR). This requires software and a programming interface, which is not always the easiest to get. Plus, you could only have a few channels programmed at one time.

Since there are only a few repeaters in this area, that may not seem like a big problem. But if you want to travel and talk on machines in other areas, the limitations soon take hold. One reason is the number of possible channels; the other is the number of possible sub-audible squelch tones. With the introduction of the DJ-G29T, this opens up some new opportunities!

The 33 cm band has a mix of characteristics, somewhere between 440 and 1296. Gain antennas are readily available and not too big. While the DJ-G29T maxes out at 5W on 222 and 2.5 on 902, this is enough punch for you to work several repeaters in the area.

With 2W on 902, I can readily hit repeaters in Roxborough and Deptford from home. You'll find another in Cape May. Heading to New York or Baltimore will reward you with others.

Another issue with re-tasked LMR transceivers is that they may only be usable with a 25 MHz split. While this fits inside the band and works great for duplexer separation, the ARRL standardized on a 12 MHz split many years ago. Thus, there are also repeaters, such as the one in Valley Forge, which I can't work with my reprogrammed Motorola GTX. The DJ-G29T allows for programmable splits, so that little problem goes away, too.

A street price of just under \$350 gets you the radio, Li-ion battery, charger and duckie. It looks like the standard Alinco speaker mike (suggested) and other accessories will work with it. While there are already some 222 MHz amplifiers on the market, I'm sure that some for 33 cm will be showing up soon. Who knows, if sales are good enough, a 35W mobile could be on the market in the near future.

More information is available at <http://www.alinco.com/usa.html> and <http://hamradio.com/detail.cfm?pid=H0-011492>

And I thought I wasn't going to be buying any more dual-banders for awhile...

“Happiest” continued from Page 6.

the most interesting venues. Even a waterfall that goes “up” or water that seemingly jumps from place to place is fascinating. Add in some delightful restaurants, rides, acts and more and you have some real value for your vacation dollar. While I’ve never gone on any of the “behind the scenes” tours, I know some who have. Again, for a technical mind, I understand it might be better than some of the rides.

While I may sound like a travel agent trying to close a deal, the next time you might like warmer weather in a place that projects video on high-pressure vertical screens of water, while setting ponds on fire – or you’d like the best IMAX experience imaginable in a hang-gliding mock-up that will leave you amazed at the hydraulics involved, think about heading down to Orlando.

If you feel it, take the family, too. And don’t forget the radio...

“President’s Message” Continued from Page 1.

international support they’ve requested that Amateur Radio operators worldwide send a QSL to the Minister of Communications, with the write up: Support Amateur Radio in Aruba. (No RST, etc needed) Please send your QSL card direct only (No SASE) to:

Ing. Mike de Meza  
Minister of Communications  
L.G. Smith Boulevard # 76  
Oranjestad Aruba

The AARC hopes to show both international support for amateur radio and also the art of QSL’ing which Doug, WA2NPD will present at our February general membership meeting. Looking forward to seeing everyone there...

Thanks and 73,  
Tom, KE2ES



Doug Gehring and his Wall of QSL Cards

## February Birthdays

Congratulations to these members celebrating birthdays in February.

Chuck Colabrese, WA2TML  
Tom Cusack, KC2THO  
Vinnie Sallustio, N4NYY  
Herb Schuller, K2HPV



## Crosstalk Submissions

This is your Club newsletter. Make use of it. Feel free to contribute general interest articles and ideas for articles.

All submissions, queries, comments and editorials should be addressed to Gene Schoeberlein at [aa2yo@arrl.net](mailto:aa2yo@arrl.net).

Submission deadline for the March issue:  
2/23/2012

## Club Website

<http://www.w2mmd.org>

President-Tom Gorman, KE2ES  
Vice President-Jim Wright, N2GXJ  
Treasurer-Lou Ranson, KC2FXK

Doug Gehring, WA2NPD  
Art Strong, K2AWS  
Chuck Colabrese, WA2TML

Ray Schnapp, WB2NBJ  
Mike Mollet, N2SRO

ARES/RACES-Gary, N2QEE  
Awards-Kenny, W2KRD  
Budget-Lou, KC2FXK  
Clubhouse Site-Al, KB2AYU  
Club License Trustee-Darrell, AB2E  
Constitution-As needed  
Contests-Ken, W2KRD  
Crosstalk-Gene, AA2YO  
Database-Ken, N2CQ  
DX-Bill, W0MHK  
Field Day-Vinnie/Bill, N4NYY/NJ2S  
Hamfest-Vinnie/Bill, N4NYY/NJ2S  
Historian-Art, K2AWS

### GCARC Officers

Recording Secretary-Sheldon Parker, K2MEN  
Corresponding Secretary-Cory Sickles, WA3UVV

### Board of Directors

Gene Schoeberlein, AA2YO  
Gary Mirkin, WA3SVW  
Dave MacDonald, WB3JOY

### Trustees

Cory Sickles, WA3UVV  
Al Arrison, KB2AYU

### Committees

Hospitality-Ray, WB2NBJ  
Membership-Cory/Ray, WA3UVV/WB2NBJ  
Nominations-Tom, KE2ES  
Programs-Jim, N2GXJ  
Publicity-Cory, WA3UVV  
Repeaters-Tom, KE2ES  
4H Liaison-Cory, WA3UVV  
Special Services, Darrell, AB2E  
Sunshine-Ray, W2RM  
Technical/TVI-Cory, WA3UVV  
VEC Testing-Gary, N2QEE  
Website-Art, K2AWS

### **The W2MMD Repeaters**

147.78/18 Mhz-Pitman  
(CTCSS 131.8Hz)

223.06/224.66 Mhz-Sewell

447.1/442.1 Mhz-Pitman  
(CTCSS 167.9Hz)

1272.4/1284.4 MHz-Pitman

### **GCARC Meetings**

#### **General Membership**

7:30 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**

GCARC 2 Meter Net  
Third Thursday of the Month  
8:00PM  
147.78/18Mhz (PL131.8Hz)

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

### **February Meeting**

The Art of QSLing  
with Doug Gehring, WA2NPD

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

