



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

October 2014

Next Meeting October 2, 2014 - LT/SPICE Modeling Software

President's Message

Warminster ARC 50th Anniversary This Year

In December of this year our growing amateur radio club will have reached its 50th anniversary year. Fifty years of providing community service, and fellowship and friendship to its members since December 1964. Where were you in December 1964? I was in my senior year of high school. The world has changed quite a bit and so has amateur radio.



It was a long time ago. NASA was still in the Mercury program. We were not quite at the peak of the Viet Nam war. Ham radio was still using tubes, and CW was the norm in taking your ham radio exam at the FCC office. Personal computers and the internet were yet to come. But amateur radio was vibrant in the '60's, and here in Warminster there were enough active radio amateurs to form a club.

Our club has come a long way. It has moved around quite a bit before finding a permanent home here at the Ben Wilson Center, and we have stayed at about 145 members.

How many of us were active for 35 or more years in the club?

In celebration of this milestone event in our club, the board has purchased 300 white coffee mugs to be given away to our membership, and friends. We will be giving them away at the October, November meetings, and at the December dinner.

K3DN CLUB STATION UPDATE

At our last club board of directors meeting, we met with Wanda, the Ben Wilson Center manager and discussed the future location of the station's antennas. As you may know the center was recently re-roofed and to facilitate that process, we removed the antennas from the roof. We resolved that the best solution would be to install a standard telephone pole in the rear behind the existing shed, and mount the antennas on the pole.

We need to get prices for installing the pole, and for digging an underground trench for the antenna cable back to the club station. Anyone have any contacts to help with that? Rich Luce / AG3L will prepare a proposed plan for the township's engineer to review and approval. So while all that is in the works, the club station is off the air until sometime in the spring. The Echolink system has it's own antenna and is still operational.

UPDATE ON NASA ISS PROJECT

Last week the Council Rock South High School NASA ISS Project took a big leap forward. With the help of three of our board members: Andy/KD3RF, Joe/AA3JH, and Bill/K3FMQ plus Mike/W3MAS, we were able to coordinate getting the donated equipment back to Council Rock South High School from Ohio.

Andy worked with a fellow ham at AMSAT in arranging for the donation of a complete rack mounted base station for the school. The lead science teacher Jerry Fetter drove out to Toledo to pick it up and bring it back. Jerry is the science teacher who first contacted WARC for help in getting this all setup at the school. With the exception of antenna cables, most everything is there.

They need help in setting it all up and making sure that it operates well for the scheduled November contact with the ISS. This is a big deal folks. Amateur Radio, and Warminster ARC will be getting a lot of publicity on this. The goal is to steer more students into the sciences, engineering, and technical careers.

We need the club members working on this project to be wearing the latest WARC shirts in November. Al and Herb are working on that. If you are interested in helping, contact Andy/KD3RF, Joe/AA3JH, or Bill/K3FMQ.

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ANNUAL WARMINSTER ARC HOLIDAY DINNER

Come and celebrate our club's 50th anniversary at the December holiday dinner. This year it will be held at the Ben Wilson Center at 6:30PM on Thursday December 4, 2014.

Hold this date and mark your calendars now. Our WARC Holiday Dinner is now planned. Bring your wife, your significant other, or your kids. This will be an evening of fun, networking and holiday cheer. To celebrate our 50th year as a club.

The cost will be: Adult - \$12.50 per person and children (12 and under) - \$6.00 per person. All dues must be paid up and all monies should be in by the November meeting prior to attending. Our webmaster, Al / WI3Z, will again arrange for dinner arrangements to be made online via the K3DN.ORG website. All reservations have to be in by November 23rd.

The menu for the WARC holiday dinner will be baked chicken, stuffed shells, hot meat balls, a cold cut and cheese and salad platter. The club will supply beverages as well as a dessert tray.

Contact George / N3HBT at 215-443-5656 or n3hbt@k3dn.org if you have questions, or to make reservations. Rich / AG3L is coordinating the event. We can use some help with the arrangements. If you want to help, contact Rich at ag3l@k3dn.org kd3tb@k3dn.org.

73's

Richard Luce / AG3L
President
Warminster ARC

WARC General Meeting: September 4, 2014

Meeting called to order by Pres. Rich AG3L - 7:29pm

Introductions:

Rich AG3L began by mentioning that there was no VE exam this month, and then started the introductions, passing the microphone around. 46 attendees were present, including 2 visitors, with a few late arrivals.

A new seating arrangement was introduced for this meeting, with club members seated in a horseshoe shape, facing the front of the room. The change was made as an attempt to focus the membership's attention on the speaker.

Minutes of previous meeting:

Approved as published in Feedback (Sept. 2014).

Committee Reports:

Treasurers Report:

Bill K3FMQ - as reported

VP/Programs:

Vinny K3VJP has programs lined up for the next several meetings, including a presentation by Joe AA3JH on LT/SPICE modeling software, for the October meeting. The presentation after this month's business meeting would be on SDR Dongles, presented by Mario Filippi N2HUN. The presentation is available in PDF form on the club web site.

Membership:

Bill K3ZMA reports 144 on the roll, with 105 in good standing. Bill K3ZMA & Bill K3FMQ are working together to update the membership information, as well as the procedure

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for accepting new members. They will report more as they work out details.

Public Service:

George N3HBT was unable to attend this month's meeting. Drex W3ICC is looking for volunteers to help with the Bucks County Covered Bridge Ride on Sunday, October 19. The event is sponsored by the Central Bucks Bicycle Club.

Classes:

George WA3WXN reports that Tech classes start Monday, September 8 from 7:00pm to 9:00pm at the Wilson Center (this date was incorrectly reported in last month's minutes - W3FLH). Classes will run for the next 8 consecutive Mondays. The classes are free, but attendees must supply their own study materials. Registration is open to all.

Repeater:

Brian N3EXA reports an intermittent TX drop-out, and has secured another transmitter which he will install as time permits. The Echolink issue has been resolved. As usual, please "Use the Repeater!"

Good & Welfare:

Vince KD3TC had nothing to report on G&W. He will be out of the country for 3 weeks, and unable to address any G&W situations that arise. If you are in need of these services, please contact any of the Board members so that they can fill in, in Vince's absence.

Old Business:

Rich AG3L announced that the WARC 50th Anniversary mugs will be distributed at the October General Meeting (Oct. 2). All members in good standing as of that date will receive a mug at no cost, with extra mugs available at \$5.00 each (once all member mugs have been handed out).

New Business:

Andy KD3RF has been acting as liaison for an opportunity presented to WARC, to work with Council Rock South HS on an ARISS contact. He has gotten Karl K3KH, Joe AA3JH, and Ron N3YJ to volunteer their time and expertise to assist the teacher/school in meeting the guidelines as required by NASA for this event, but he is looking for more help with this highly involved project. If interested, please contact Andy for more details. Andy KD3RF also announced that next year's Field Day will be approached in a new manner, with Chris KB3CET taking a principal position in the organization of activities, and all club members active in the event on an "opt-out" basis. More discussion to follow.

Chuck KB3YVS is a student at Delaware Valley College in Doylestown, and is interested in starting an Amateur Radio club on campus. He is looking for an Elmer to help get this off the ground (help generate interest, organizational details, etc.). Anyone interested can either contact a Board member, or contact Chuck directly.

Motion to adjourn by Herb KB3VMA; meeting adjourned at 7:50pm.

Submitted:

Tony W3FLH, Secretary
September 8, 2014

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THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, On September 11 and 12 two powerful coronal mass ejections (CMEs) hit Earth, producing a G3-class geomagnetic storm. The result was a planetary A index of 44 on September 12, and during the final 3 hours of the day (UTC), the planetary K index reached a very lofty 7!

Overall solar activity is down, with the average daily sunspot number declining from 152 to 124.9 in the September 11-17 period. Average daily solar flux dropped from 155.8 to 139.8.

Predicted flux values have declined as well. As an example, the daily 45-day forecast for solar flux on September 21 was 120 on August 6-10, 125 on August 11-17, 135 on August 18 through September 7, 150 on September 8-12, 130 on September 13, 120 on September 14-15, and 115 on every day since.

Predicted solar flux is 125 on September 18-19, 120 on September 20, 115 on September 21-22, 110 on September 23-25, 115 on September 26, 120 on September 27-28, 130 on September 29, 135 on September 30 and October 1, 140 on October 2, 145 on October 3-5, and 150 on October 6-7.

Predicted planetary A index is 5 on September 18-25, 15 on September 26-27, 12 on September 28-29, 10 on September 30, 5 on October 1-2, 8 on October 3-4, 5 on October 5, and 10 on October 6-7.

The autumnal equinox occurs on September 23 at 0229 UTC, Monday evening in North America. The equinox portends improved worldwide communication on the HF bands. As an example, modeling propagation using *W6ELprop* and a modest solar flux of 120, 20 meter signals between California and Japan on the equinox run about 6 dB hotter in the early evening on the West Coast than they would have a month earlier.

Courtesy of the ARRL Newsletter

A Century of Amateur Radio and the ARRL

The September 1976 issue of QST announced that Al, K2UYH, had succeeded at Worked All Continents (WAC) on 432 MHz -- via moonbounce!

Amateur Radio was well represented at the 1976 grand opening of the Smithsonian National Air and Space Museum. A backup OSCAR 1 satellite -- the world's first non-government satellite -- was on display, and a battery-powered station was set up to make contacts via OSCARs 6 and 7.

After 12 years in pursuit of 2 meter Worked All States (WAS) using meteor scatter, auroral, tropospheric, and moonbounce propagation, K0MQS finally turned the trick in early 1976! Showing that there are always new adventures in ham radio, W9JA in 1976 earned a 5-band WAS for working *only* hams with 1×2 call signs!

By 1977, plans had begun for the Phase III Amateur Radio satellite, which would be far more sophisticated and capable than any AMSAT "birds" to date.

Articles began appearing in *QST* in the late 1970s that reported on hams building alternative power systems using solar and wind power.

During the late 1970s, more and more 2 meter repeaters were put on the air, mostly by ham clubs. Sorting out new rules and regulations for them turned into a major undertaking for the FCC, including dealing with phone patches and autopatches via repeaters. *QST* responded with articles and notes to report the rules changes.

On March 20, 1978, the FCC banned 10 meter amplifiers, because of the large-scale misuse of them on Citizens Band. This happened, despite the efforts of ARRL and many individual hams and ham clubs to leave the hams alone and to go after errant CBers instead. A guest editorial by Dave Bell, W6AQ, in the May 1978 *QST* is a splendid fable mirroring the FCC decision.

By the late 1970s, attention began to be focused on the potential dangers to hams of RF radiation.

A *QST* article in September 1978 described the experiences of Naomi Uemura, JG1QFW, as the first solo explorer to reach the North Pole. Hams set up an emergency circuit for his support, and tracked his dog sledge via reports relayed through the *Nimbus 6* satellite.

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During the late 1970s, considerable attention was given to the new concept of narrowband voice modulation (NBVM). The new technique of frequency-compressed SSB was reported in the December 1977 *QST*, and the editorial in the September 1978 issue announced that W1AW would soon begin test transmissions, together with instructions as to how the signal can be tuned in (with reduced intelligibility) using normal SSB receivers. NBVM never caught on, however.

Two new annual contests began in 1978 -- the ARRL EME Competition and the ARRL UHF Contest. An article in October 1978 *QST* reported on a newly discovered mode of VHF propagation -- Equatorial FAI (transequatorial propagation enhanced by magnetic-field-aligned irregularities).

When the 1979 World Administrative Radio Conference (WARC-79) concluded, Amateur Radio had gained new bands at 10, 18, and 24 MHz. Those bands would become available to US hams later, after the FCC had done its work to put them in place. The term "WARC bands" for 30, 17, and 12 meters persists to this day.

Also in 1979, the FCC issued a *Notice of Inquiry* on the subject of radio frequency interference (RFI). The great expansion of consumer electronic gear that was susceptible to RFI had led an increase in complaints of interference from hams, largely through no fault of the hams or their equipment.

In the March 1980 issue of *QST*, VE2AEJ's article, "Observance of Long-Delayed Echoes on 28 MHz" concluded that long-delayed echoes are a result of transmitted signals getting into a natural duct, probably between the E and F layers of the ionosphere, and circling the globe many times before re-emerging. After the explanation of LDEs was set forth, scientists asked for hams to help with reports of their LDE experiences, to better understand the details of the propagation.

As *QST* articles in the 1980s reflected, the main topics of interest to the amateur community were new antenna ideas -- from simple and inexpensive to large, complex, and *very* expensive -- the use of new solid state technology in the ham shack, VHF/UHF/microwave equipment and activities, 2 meter FM and repeaters, DXing, contesting, and moonbounce communication.

When microprocessors and microcomputers emerged in the early 1980s, hams began putting them to work. Later, stand alone computers began to be integrated into the stations of hams who were pushing the state of the art. Another area where digital technology helped amateurs was the construction of frequency synthesizers.

In the late 1970s, the Soviet Union's "woodpecker" over-the-horizon (ionospheric) radar had started its strong and annoying *peck-peck-peck* that slowly swept through the HF amateur bands as well as the allocations of other radio services.

In 1980 the ARRL Board of Directors established a Long-Range Planning Committee, to look far into the future and plan for Amateur Radio to remain strong enough to weather the efforts of other radio services to chip away at our frequency allocations. The LRPC was also tasked to find ways to strengthen the cooperation between Amateur Radio and governmental agencies at all levels.

The Amateur Radio space effort suffered a huge disappointment in May 1980, when the first attempt to launch a Phase 3 (OSCAR 9) satellite was unsuccessful. The *Ariane* launch vehicle failed right after liftoff, and Phase 3 landed in the Atlantic Ocean. The AM-SAT-OSCAR community regrouped and went to work building another Phase 3 unit. The ARRL Foundation launched a fund-raising drive for building the new Phase 3 satellite that was highly successful.

In March 1980, Mount St Helens spectacularly exploded. Before the explosion, radio amateurs had been assisting with communication among a number of sites where ongoing measurements were being taken, because scientists had concluded that the mountain was nearing the point of eruption. The hams continued to work after the volcano's several eruptions, with both emergency communications and a continuation of their previous support work. Sadly, two of those hams lost their lives during the disaster -- W6TQF and KA7AMF.

By the 1980s, some towns and neighborhoods had begun to impose very restrictive rules about antennas and towers -- rules that would prohibit effective amateur antennas. Many of these cases were fought through the legal system successfully by the affected hams. As with so many issues that involve many hams all over the country, ARRL joined the fight, providing legal assistance through the League's general counsel and volunteer counselors who were also hams.

The ARRL introduced a new periodical in December 1981 -- *QEX*. Its purposes were (1) to publish articles that documented advanced technical work in areas that were not of wide general interest, and (2) to act as a catalyst for technical development in the Amateur Radio and Amateur-Satellite Services.

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On May 21, 1981, at the request of the ARRL, the FCC restored 160 meters to exclusive Amateur Radio use. Before this, the FCC rules included an array of restrictions on 160 meter operation, to protect the LORAN (Long-Range Aid to Navigation) system. Now, hams could run a full kilowatt on 160, day and night, anywhere in the country!

In the 1980s, packet radio and packet repeaters -- digipeaters -- came into being. Numerous *QST* articles detailed this mode of operation, helping interested hams to get up and running on packet.

In 1982, cable TV systems expanded across the US, bringing with them the potential for CATVI -- cable TVI. Some cable channels were on 2 meter amateur frequencies, and because many poorly installed and maintained cable systems "leaked" TV signals, causing interference on the 2 meter band. Of course, if signals could leak out, other signals could leak in, and hams sometimes caused interference when their signals got into the cable TV system. Cable companies often blamed the problem on hams, rather than take the blame for their poor equipment and maintenance. In the meantime, the FCC was in a fiscal crisis, because of budget cutbacks. Although it was willing to enforce the regulations and bring the cable companies in line, it was unable to fund that enforcement effort. This problem continued for some time before it was corrected.

During the 1980s, the SKYWARN system was established and became affiliated with the National Weather Service, so hams could report dangerous weather events that they saw. To this day, SKYWARN members have proven extremely valuable for monitoring weather conditions and providing "ground truth" reports to the NWS. Much SKYWARN communication occurs via 2 meter repeaters.

Harry Dannals, W2HD, had been ARRL President for 10 years when he decided to step down in 1982. At the same time, ARRL Secretary and General Manager Richard Baldwin, W1RU, retired. At their first 1982 meeting, the ARRL Board of Directors elected Vic Clark, W4KFC, as the League's new president, and David Sumner, K1ZZ, as the new Secretary and General Manager.

On the afternoon of January 13, 1982, Air Florida Flight 90 took off from Washington National Airport. But the Boeing 737 slowly settled toward Earth, clipping the 14th Street Bridge (I-395) and destroying seven cars that were on it, before crash landing in the ice-covered Potomac River. The area's ARES operators and nets sprang into immediate action and provided much-needed communication support among the various governmental agencies that had responded. -- *Al Brogdon, W1AB*

Courtesy of the ARRL Newsletter

W1AW CENTENNIAL OPERATIONS HEAD TO THE PACIFIC IN OCTOBER AND NOVEMBER

The ARRL Centennial W1AW portable operations will be heading to the Pacific this fall. From October 8 until October 21, W1AW/KH0 will be on the air from The Radio Space of Tinian, on Tinian Island in the Northern Mariana Islands. Ten operators from the US and Japan will support the activity.

Starting in early November, W1AW/KH8 will fire up from American Samoa. Heading up the operation is Mike Goode, N9NS, who has at least 10 "seasoned DXpeditioners" to operate. The group has received permission from the ARRL to operate for longer than 1 week, and Goode anticipates that W1AW/KH8 could take to the air as early as November 1, continuing operation through November 12, although the current W1AW Centennial QSO Party schedule <http://www.arrl.org/files/file/On%20the%20Air/W1AW_2014_sked.pdf> indicates that operation will run November 5 until November 18.

The team will put up at the Maliau Mai Beach Resort, which has hosted other Amateur Radio operations, and their primary operating location will be that of the late Larry Gandy, AH8LG, compliments of his widow Uti, KS6FO. Plans call for three or four stations active on all bands from 1.8 through 28 MHz. The group may also set up a station at the hotel, and outside of their W1AW operation, team members may operate as KH8Q or using their home call signs /KH8.

As with other Centennial QSO Party contacts, confirmation will be via Logbook of The World (LoTW <<http://www.arrl.org/logbook-of-the-world>>). Stations contacting W1AW/KH0 or W1AW/KH8 may be able to request cards directly or via the bureau through use of an Online QSL Request System (OQRS). QSLs cards are not necessary, however, and in due course, all QSLs will be sent via the bureau. -- Thanks to The Daily DX <<http://www.dailydx.com>>

Courtesy of the ARRL Newsletter

CLUB INFO

PUBLIC SERVICE

Drex W3ICC is looking for volunteers to help with the Bucks County Covered Bridge Ride on Sunday, October 19. The event is sponsored by the Central Bucks Bicycle Club.

CLUB STATION

The WARC club station is open to anyone with an interest, on Tuesday evenings between the hours of 7:00 and 9:00 pm. For further information, call George Brechmann N3HBT at 215-443-5656.

WARC ALUMNI MEMBERSHIP

An Alumni membership category is available for WARC members who are unable to attend meetings and club activities on a regular basis because of health considerations, travel impediments, or other hardships. Dues for the Alumni membership are \$10.00 annually. Please contact the Membership Committee for more information if interested."

ATTENTION MEMBERS

The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$5 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership when a facial photo is provided by you. Please see members' photos on club website for proper facial composition. If you do not have at least a Warminster Amateur Radio Club badge with your picture on it, please contact your Membership Chairs at the WARC monthly meetings. Otherwise, please contact Membership by email at: membership@k3dn.org.

If you want to have your picture taken to be placed on the 'Members' Photos' section of the www.k3dn.org website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

PROGRAMS 2014

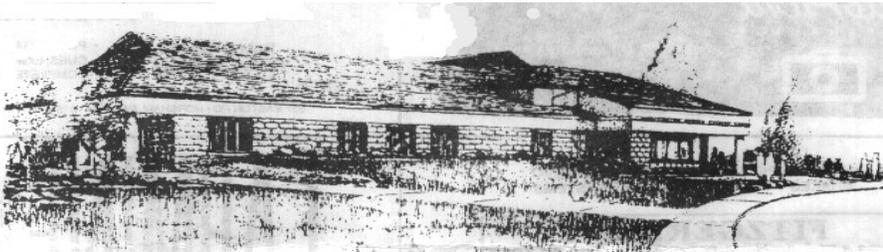
October - Joe AA3JH on LT/SPICE Modeling Software

December - Annual Holiday Dinner

The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on non-holiday Tuesday evenings from 7 to 9 pm . The station is fully operational on HF (80 meters through 10 meters) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.

For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.

- **WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.**



2014 Contest Calendar

NOVEMBER

1-3 November Sweepstakes - CW

2100 UTC Saturday and runs through 0259 UTC Monday

15-17 November Sweepstakes - Phone

2100 UTC Saturday and runs through 0259 UTC Monday

DECEMBER

5-7 160 Meter

2200 UTC Friday, ends 1600 UTC Sunday

21 Rookie Roundup (CW)

1800 UTC through 2359 UTC

QSO Parties

California 1600Z, Oct 4 to 2200Z, Oct 5

New Jersey 1600Z, Oct 4 to 0359Z, Oct 5 and 1400Z-2000Z, Oct 5

PENNSYLVANIA 1600Z, Oct 11 to 2200Z, Oct 12

Arizona 1600Z, Oct 11 to 0600Z, Oct 12 and 1400Z-2359Z, Oct 12

New York 1400Z, Oct 18 to 0200Z, Oct 19

South Dakota 1800Z, Oct 18 to 1800Z, Oct 19

Illinois 1700Z, Oct 19 to 0100Z, Oct 20

➤ ATLANTIC DIV. HAMFESTS - 2014



October 4 - RRRR Hamfest (Lancaster, PA)

West Earl Community Park Route 772 Brownstown, PA 17508

<http://www.w3rrr.org/>

October 4 - Delaware State Convention (Delmarva Radio & Electronics EXPO)

Sussex Technical High School 17099 County Seat Highway

Georgetown, DE 19947

<http://www.radioelectronicsexpo.com>

October 5 - CARAFest

Howard County Fairgrounds 2210 Fairgrounds Road West Friendship, MD 21794

<http://carafest.org>

October 19 - RF Hill ARC Hamfest

Sellersville Fire House 50 North Main Street Sellersville, PA 18960

<http://www.rfhillarc.org>

October 25 - Southern Maryland Tailgate Fest

Hollywood Volunteer Fire Dept 24801 Three Notch Road Hollywood, MD 20636

<http://www.k3nhk.org>

October 26 - Mason Dixon Hamfest

Carroll County Agricultural Center 706 Agriculture Center Drive

Westminster, MD 21157

<http://www.qjs.net/~k3pzn>

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2014 test fee is **\$15.00**.

Warminster Amateur Radio Club, Monthly, Last Mon. 7:00 pm at the Wilson Senior Community Center 580 Delmont Avenue Warminster, PA 18974 George Brechmann (215) 443-5656.
Atco, NJ, The fourth (4th) Tuesday of each month, at 7 p.m. Winslow Township Senior Center, 33 Cooper Folly Road, 08004-2603.

Mark (K2AX) jtra@comcast.net

Levittown, PA, Monthly, 3rd Monday at 6:30. Falls Township Building - Ben Johns, K3JQH, 215-657-5994

Telford, PA, Monthly, RF Hill ARC. 3rd Monday at the Indian Valley Library. Charles Schmell, KB3CEZ, 215-257-6368 days 215-538-7458 evenings.

Philadelphia, PA, Testing is done on the 4th, non holiday Thursday of the month at the, Community Ambulance Association of Ambler, 1414 E Butler Pike, Ambler PA 19002 at 7:00 PM We also are testing on Saturdays at least once per quarter at 9:00 AM. For further information contact James McCloskey at jmccloskey@msn.com and by phone 215-275-2979.

Lansdale, PA Testing on the first non-holiday Tuesday of the month starting at 7:00 PM. The Lansdale Library Community Room Vine St. and Susquehanna Ave. Lansdale, Pa. Registration is required 48 hrs. or more before the scheduled exam date. If there are no registrations the scheduled exam date will be canceled. NO WALK-INS. You can register by contacting:

Olaf N. Markert ----- Phone (610) 517-5074, E-mail w3pa@arrl.net

SKYWARN INFORMATION

MOUNT HOLLY NWSFO SKYWARN Weekly Information Net: EVERY THURSDAY AT 21:00 HOURS
SKYWARN Net Repeater Listing/ Streaming Audio of scheduled SKYWARN Net: <http://www.skywarnnet.net>
You do NOT have to be a certified SKYWARN Weather Spotter to check into the Net

Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)
 Fairless Hills, PA (many remote access locations throughout Bucks County)

Mount Holly NWSFO SKYWARN Homepage:
<http://www.erh.noaa.gov/phi/skywarn/index.html>

SKYWARN Basic Weather Spotter Educational Programs URL:
<http://www.erh.noaa.gov/phi/skywarn/training.html#sched>

➤ **CLUB EQUIPMENT**

WARC has purchased four Vertex Standard 2-meter HT's that are available for use by members of the club. The HT's are available on a month-by-month basis and have been purchased primarily to help new hams get on the air. However, they may also be used by any club member who is in need of a temporary 2-meter radio. They are also available for use by participants in WARC's public service activities.
 DE, Irwin Darack KD3TB 215
 -343-8170

Area Repeaters

VHF

- 145.310 R.F. Hill
- 145.350 Doylestown R.C.
- 146.790 Penn Wireless
- 145.330 Hilltown
- 146.670 DVRA
- 146.685 Holmesburg
- 146.925 Willingboro
- 147.000 Ham Buergers
- 147.030 Phil-Mont
- 147.090 Warminster
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

220

- 224.580 PackRats
- 223.76 K3NAL

UHF

- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless

D-STAR

- 146.61000 K3PDR DV
- 445.18125 K3PDR DV
- 445.01875 AA3E Montco RACES

6 Mtr

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*The Warminster Amateur Radio Club
 Announces Free Ham Radio Instructional Classes*



If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, Morse code, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space station.

Entry level License classes are starting soon.

Classes will be offered starting on Monday, September 8th, 2014 at the Benjamin Wilson Community Center. The classes will start at 7:00 pm and last until 9:00 pm and run for 8 Mondays. The Classes are free, but the students will be responsible for any study guides.

For further information contact George Brechmann, N3HBT at 215 -443-5656.

Bucks County Amateur Radio Emergency Service (BCARES)

www.bucksares.org
 Bucks County ARES will be on the air Wednesdays, at 9:00 PM . We will be using Warminster Amateur Radio Club's repeater on 147.090, pl 131.8. This net is linked as shown in the Net Schedule box for the Wednesday night net. It may also be linked to 147.300.

Winlink Gateway Stations:

Upper Bucks	NJ3A-10	145.610 Riegelsville
Lower Bucks	NY3J-10	145.530 Bensalem
Montco	W3CF-10	145.950 Hatfield
Chester County	W3EOC-10	145.690

Net Schedules

Sunday	2100	10 Meter Net	28.445 MHz
Wednesday	2030	2 Meter Net	147.09 Rptr.
Wednesday	2030	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2030	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.

Are you submitting an article for the Feedback ?

Contributions of articles to be published are always accepted for consideration. Please follow these guidelines:

- E-Mail to:
wa4ywm@comcast.net
Or via snail mail to:
FEEDBACK EDITOR
Warminster Amateur Radio Club
Box 113
Warminster, Pa 18974
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k. but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Saturday before the regular meeting.

For general club correspondence:
k3dn@k3dn.org

Visit our Home Page at:
<http://www.k3dn.org>

The annual dues rate structure is as follows:

Full Member:	\$ 20.00
2nd Family Member:	\$ 10.00
Student:	\$ 10.00
Alumni:	\$ 10.00
Associate:	\$ 5.00

- Are your dues current ?
- Check the date on your Feedback mailing label.

2014 Officers

Executive Officers

President	Richard Luce	AG3L	215-441-8264
Vice-President	Vinny Porcaro	K3VJP	215-493-0783
Secretary	Tony Cuttone	W3FLH	267-679-9297
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	George Brechmann	N3HBT	215-443-5656
Director (E)	Joe Horanzy	AA3JH	215 962-9592
Director (A)	Al Konschak	WI3Z	215-491-9941
Director (E)	Andy Vavra	KD3RF	610 287-3295
Past President	Irwin Darack	KD3TB	215-343-8170

Committee Chairpersons

Archives			
ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
Arrl Liason	Richard Luce	AG3L	215-441-8264
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	George Altemus	KA3WXV	215-855-3856
Digital and APRS	Ron Wenig	NY3J	215-638-9257
DXpedition	Doc Whitticar	W3GAD	215-968-6397
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 14	Mark Kempisty	AA3K	215-953-1493
Fundraising	Adam Huffnagle	KB3JCP	215-442-9526
Hamfest 14	Richard Luce	AG3L	215-441-8264
Hamwear	Herb Hickmott	KB3VMN	267-718-3601
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Michelle London	KB3MTW	215-672-7578
Membership	Bill Strunk	K3ZMA	215-822-0749
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	215-953-1493
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Doc Morein	KA3RAU	215-542-0593
Refreshments	Randy Gehman	N3LJE	215-822-9473
RF Interference	Andy Vavra	KD3RF	610-287-3295
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Vinny Porcaro	K3VJP	215-493-0783
Skywarn Liason			
Station Trustee	George Brechmann	N3HBT	215-443-5656
Sunshine Club	Vince Pironti	KD3TC	215-674-0446
Township Liason	Richard Luce	AG3L	215-441-8264
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	George Altemus	KA3WXV	215-855-3856
Website Coordinator	Al Konschak	WI3Z	215-491-9941
Youth Programs	Steve Larson	WW3Y	215-822-1511