



# FEEDBACK



Web Site [k3dn.org](http://k3dn.org)

Warminster Amateur Radio Club

November 2014

## Next Meeting November 6th, 2014 - Log Book of the World

### Presidents Message , November 2014

Rich Luce, AG3L, recently took on a new job with both increased management responsibilities and work load. For this reason, at the WARC Board Meeting, Rich resigned as the President. Vinny, K3VJP, our current Vice President, for a number of both personal and professional reasons felt he was not ready to assume the position of President. Vinny is both new to Ham Radio and our club. For these reasons, and with the Boards approval at our October 30th Board Meeting, I have once again assumed the role of President for WARC until election again 2015. Rich was appointed by the Board to be the current Past President. Rich will still be an active member of WARC and continue as our liaison with the Warminster Township.

Our November 6th meeting will feature a presentation by Norm Fusaro, W3IZ from the ARRL on 'Log Book of the World' (LOTW). Logbook of the World is an online QSL and Award service that enables you to:

- electronically submit contacts (QSOs) for confirmation
- view your submitted QSOs and resulting confirmations online
- view your [DXCC](#), [VUCC](#), [WAS](#), and [WPX](#) award progress online
- electronically submit confirmations for [credit](#) toward DXCC, VUCC, WAS, and WPX awards

Norm W3IZ, a member of the ARRL staff, manages LOTW. He is also a previous resident of Bucks County and a current member of the Frankford Radio Club.

Future meeting will include the Holiday Dinner Party on December 4th, Emergency Management Presentation in January and annual WARC Club Auction in February and Antenna Analysis in March. Since our January meeting falls on New Year's Day in 2015, our January meeting is being moved to Thursday, January 8th.

I hope you have been getting on the air lately. 10 Meters has been very active with numerous DX stations. Last weekend was the CQWW SSB contest. With excellent DX stations on 10, 15 and 20 Meters. This upcoming weekend features ARRL SSB Sweepstakes; a great way to earn your 'Worked All States Award'. Our club station is currently off the air as the Senior Citizens Center recently replaced their roof. We have permission from the Township to reinstall our Alpha Delta antenna and hope to have it up again soon. Once that has been accomplished, the club station will open 1<sup>1/2</sup> hours before our club meeting ( 6 pm to 7:30 pm). It's a great opportunity to get on the air. So, if you have a license and no home station...no more excuses to getting on the air! Our club radio classes have finished for the fall . Classes will begin again in the spring, depending upon demand, most likely a Tech/General Class

**Have fun and get on the Air!**

Irwin, KD3TB

### WARC General Meeting: October 2, 2014

Meeting called to order by Pres. Rich AG3L - 7:30pm

Introductions:

Rich AG3L started the introductions and passed the microphone to all attendees.

Minutes of previous meeting:

Approved as published in Feedback (Oct. 2014)

Committee Reports:

Treasurers Report:

Bill K3FMQ - as reported

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**ARISS/CRSD Update:**

Andy KD3RF & Joe AA3JH updated the membership on the upcoming ISS/School contact we are assisting the CRSD in completing. All equipment has been tested as operational, the installation of necessary systems is underway, and the tentative window for the contact is October 23 or 24.

**VP/Programs:**

The November program is a presentation on LoTW by ARRL's Norm Fusaro W3IZ, Delaware Valley native! This should be very informative, and we are pleased to have Norm take time out to spend with us.

December will be the annual Holiday Dinner, so no program is scheduled.

**Membership:**

Bill K3ZMA reported that membership levels are consistent from last month. He also oversaw the distribution of the new club mugs to all members in good standing that were present.

**Public Service:**

George N3HBT is looking for looking for volunteers to assist in communications for the Five Ponds golf outing on Oct. 13.

Doc W3GAD announced the 25th annual Thanksgiving Day Run, sponsored by the Bucks County Road Runners, held on Nov. 27. He will also need several volunteers to help make our effort a success once again.

Karl K3KH informed all that the BCARES Drill will be held in Oct. 4, and will utilize the K3DN/WARC repeater.

**Classes:**

George WA3WXN reports that Tech classes are going well. He is starting to generate interest in the next set of classes (General/Extra?); for all interested, please post on the reflector, contact George, or any board member.

**Repeater:**

Brian N3EXA reports normal operation. As always, you are reminded to please "Use the Repeater!"

**Good & Welfare:**

Vince KD3TC had nothing to report on G&W.

**Old Business:**

Rich AG3L and George N3HBT worked in tandem with Warminster Twp. and the Senior Center management to get clearance to re-install our dipole antenna for the club station. The Board is continuing to address possible upgrades to the club station and antenna system.

**New Business:**

Andy KD3RF handed out sign-up sheets for the club hamfest, in order to get an early start on organizing and staffing this important event.

Meeting adjourned at 7:55pm.

**Submitted:**

Tony W3FLH, Secretary  
September 8, 2014

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### **Council Rock School District ARISS Update**

Several club meetings ago the announcement was made that WARC would be assisting Council Rock School District (CRSD) with a project for students to communicate with the International Space Station as part of NASA's program for Amateur Radio on the Internal Space Station (ARISS).

The contact originally scheduled for late October / early November has been postponed due to the unavailability of ARISS crew and is being rescheduled for a new date in February or April of 2015 to be confirmed at that time, so please standby for an announcement as soon as the date is known.

In the meantime, and over the past two months a small team of WARC members have been working with the teachers from Council Rock's Science and Technology departments long into the evening hours to set-up antennas, route coaxial cables and to test radios, rotator controllers and software in order to set-up a fully functional VHF / UHF satellite station that was donated to the school.

Along with the teachers who drove to Ohio and back to pick-up the equipment we literally had to unpack a truckload of equipment and antennas in unknown condition, figure out what worked and what didn't, decode software, untangle wire and make repairs to radios and controllers. If you have ever tried to undo somebody else's mess without having a schematic diagram we think you will get the picture.

And by the way, a lot of the work was performed on the roof of the auditorium at the top of a 30 ft. ladder while dragging 150 ft of LMR 400 and involved a lot of going up and down stairs, etc.. Definitely not a pleasant task if you are afraid of heights or can't climb ladders.

The WARC members who assisted with equipment set-up and checkout were the following:

Andy Vavra - KD3RF: Project Liaison

Joe Horanzy - AA3JH: Technical Lead

Irwin Darack - KD3TB: Software Lead

Karl Harris - K3KH: Satellite Communications / Control Op

Mike Shanblatt - W3MAS: Satellite Communications

In the meantime between now and February we will be working with the CRSD teachers to help them get licensed and to take advantage and benefit from ARRL Education Services available to them.

As soon as a final date is confirmed a general announcement inviting the club membership to be in the audience at CRSD when the live contact with ARISS is conducted.

Because we will have just 3 to 5 days of advanced warning between the time when the schedule is confirmed and the contact is made, the announcement will be made via WARCtalk only due to the fact that WARC Feedback is published on a monthly schedule. Questions regarding the ARISS program and WARC can be addressed to Andy - KD3RF C/O Board@K3DN.ORG

### **THE K7RA SOLAR UPDATE**

Tad Cook, K7RA, Seattle, Washington, reports: Solar activity is making a healthy comeback, just in time for the SSB weekend of the CQ World Wide DX Contest <<http://www.cqww.com/rules.htm>>.

A series of large solar flares erupted this week. The most powerful was an X1.6 flare on October 22. The sunspot is now directly facing Earth.

Average daily sunspot numbers rose from 55.1 during October 9-15 to 83.9 this week, and average daily solar flux increased from 117.4 to 174.

The predicted solar flux for this weekend is 220, higher than on any day since January 7. Prior to that, we didn't see solar flux values this high since late October 2003. Accompanying the high solar flux back then was a great deal of geomagnetic activity. On October 29, 2003, the mid-latitude A index hit 199! Several 3-hour K index values were 9, the top of the scale. On the same day the daily sunspot number was 330.

Predicted solar flux is 215 on October 23, 220 on October 24-27, 215 on October 28-29, 205 on October 30, 140 on October 31, 130 on November 1-3, dropping to a low of 110 on November 8, and rising to 180 on November 19-20.

Along with that relatively high solar flux this weekend will be unsettled geomagnetic conditions.

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The predicted planetary A index is 15 on October 23-24, 10 on October 25, 12 on October 26-27, 10 on October 28-29, 8 on October 30, 5 on October 31 through November 3, 8 on November 4, 10 on November 5, 8 on November 6-7, 5 on November 8-9, 8 on November 10-11, then 5 and 8 on November 12-13, 12 on November 14-15, 15 and 12 on November 16-17, 15 on November 18-19, then 12, 10, and 8 on November 20-22, and 10 on November 23-24.

This weekly "Solar Update" in The ARRL Letter is a preview of the "Propagation Bulletin" issued each Friday. The latest bulletin and an archive <<http://arrl.org/w1law-bulletins-archive-propagation>> of past propagation bulletins is on the ARRL website

*Courtesy of the ARRL Newsletter*

## A CENTURY OF AMATEUR RADIO AND THE ARRL

At the 1983 Dayton Hamvention, volunteers administered Amateur Radio examinations for the first time, under FCC supervision, demonstrating the feasibility of a volunteer examiner system. The following year, the FCC began designating Volunteer Examiner Coordinators (the first was the Anchorage, Alaska, Amateur Radio Club VEC), including the ARRL VEC, now the largest and most successful.

In June 1985, ARRL co-founder Clarence D. Tuska died. He was the last surviving pioneer of early organized Amateur Radio. Tuska was still a teenager and Hiram Percy Maxim was a well-known inventor in his 40s when they first met and eventually formed the League a century ago. Tuska, who went to a career in radio manufacturing and patent law, served as the ARRL's first secretary as well as the first editor of QST. The fascinating story of their early association and how it came about was told in the April 1989 issue of QST and recounted and updated <<http://www.arrl.org/files/file/QST/This%20Month%20in%20QST/January%202014/JANUARY%20editorial.pdf>> in the January 2014 QST "It Seems to Us" editorial, "Present at the Creation."

On August 15, 1985, the FCC opened the 902 to 928 MHz band for amateur use. Also in 1985, the 10 MHz band (30 meters), one of the so-called "WARC bands," was opened for US amateur use. The band was one of those gained at the World Administrative Radio Conference 1979.

Also in August 1985, astronaut Tony England, W0ORE, took along ham radio, including slow-scan TV, on a shuttle Challenger mission. His aim was to get youngsters involved in the space program and ham radio.

On March 21, 1987, "Novice enhancement" came to pass, 12 years after the ARRL had first asked the FCC to implement it. Novice privileges were expanded to allow operation on 28 MHz SSB, 220 MHz, and 1270 MHz, as well as operation using RTTY, AMTOR, and packet. This was a giant step toward getting Novices more into the mainstream of Amateur Radio.

During Field Day 1987, those new privileges allowed Novices to make contact with the Goodyear blimp Enterprise, thanks to KA4KVI, WB4RFC, and N4ORN, who had put a ham station on board.

The results of a new ARRL contest were reported photographically in the April 1987 QST -- "The Messy Shack Photo Contest." Winners in each of the nine categories truly outdid themselves, making our hearts swell with admiration and pride at our fellow amateurs' efforts.

The August 1987 QST reported an interesting solo hike by VE3HBF, 89 days on foot from the southwestern tip of England to extreme northeastern Scotland. A solo hiker, David was never alone. He had a 2 meter handheld with him, so that other hams could keep him company along the way, and so he could call for help, if needed. As he walked, he visited historic radio sites along the way, and was visited by other hams on several occasions.

In 1987, Amateur Radio in the US celebrated the bicentennial of the US Constitution with "200" call signs for club stations, a "We the People" WAS, and other radio events.

On January 1, 1988, the Canadian Radio Relay League became fully autonomous, ending its long-held status as a division of the ARRL.

Part of the 220 MHz band, perpetually under attack by other radio services, was snatched from the Amateur Service on August 4,

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1988, by the FCC, which reallocated 220-222 MHz to the Land Mobile Service. ARRL had been fighting this battle for some time and would continue efforts have that band segment return to the Amateur Service.

January 1989 QST published "The Listener," a quick, but interesting, look at the efforts of pioneer radio astronomer Grote Reber, W9GFZ.

On January 30, 1989, the FCC released the news that the much-awaited 17 meter ham band was open for business in the US!

The editorial in the May 1989 QST, "Spectrum Management, or Abdication?" decried a recent FCC action to allow manufacturers of electronic equipment to radiate unlicensed signals on hams bands from 902 MHz upward. The ARRL continued its defense of amateur frequencies by preparing to go to Congress for relief, using this as the latest example of FCC out-of-control decision making.

A two-part article by KO5I and N4HY in the May and June 1989 issues of QST introduced the latest generation of OSCAR satellites -- microsats.

In July 1988, a team of hams from Finland and the Soviet Union mounted a DXpedition to a new DXCC country, Malyj-Vysotkskij ("M-V Island"). This ended an 18-year effort to put the island on the DXCC List. Participant Martti Laine, OH2BH, recounted the experience in a June 1989 QST article. [The lease of Malyj-Vysotkskij to Finland expired in 2012, the island reverted to Russia, and MVI was deleted from the DXCC list. -- Ed.]

On May 11, 1989, a congressional oversight committee summoned the FCC's chief engineer to defend the Commission's decision to take 220 to 222 MHz away from amateurs and allocate it to another service. Following the hearing, the committee chairman wrote the FCC, asking it to reconsider alternatives. The FCC stonewalled and did nothing. The ARRL subsequently filed a federal court appeal.

On July 20, 1989, the newly renovated W1AW building was rededicated. Nearly 10,000 individual donors had put up almost a half million dollars to fund the renovation.

In the "How's DX?" column in the September 1989 issue of QST, Ellen White, W1YL, noted "Pitcairn Island's Bicentenary," a fascinating read. White noted that Pitcairn was the country with the highest per capita number of hams in the world -- 6 hams out of a population of 60! The island's 200th anniversary was celebrated in part by special event station VR200PI.

In 1990, a husband-and-wife team achieved DXCC on 6 meters. The wife, K5FF, was first, and her husband, W5FF, was right behind.

An interesting photo in "Up Front in QST" in September 1990 showed Samuel F. B. Morse III, W6FZZ, operating at a special event station to celebrate his great-grandfather's 199th birthday.

An article by NU1N appeared in the September and October issues of QST telling how we could get on the air using lasers.

The October 1990 QST reported on the 3Y5X Bouvet Island DXpedition of 1989-1990. This \$330,000 venture -- funded by the participants and by donations from hams around the world -- produced nearly 50,000 contacts on all HF bands on SSB, CW, and RTTY.

The first World Radiosport Team Championship was held in Seattle in 1990, as part of the International Goodwill Exchange Event.

Marking the 75th anniversary of QST, the magazine's December 1990 issue published an overview of those 75 years, written by WJ1Z. The article noted that at the time the first issue of QST was published, the League's membership was 635.

On October 28, 1990, W5UN worked his 100th country via EME (moonbounce). Not content to rest on his laurels, by November 4 he was up to 104 countries. Dave might have made EME DXCC earlier, had it not been for a tornado that wrecked his first 32 dB-i-gain moonbounce array.

The FCC instituted the new "codeless" Technician license on Valentine's Day 1991. Within the first two weeks, 313 people had applied, and the first such license was issued to N3IFY.

An interesting airplane accident story was published in March 1991 QST. Gary, V31KX, was aboard a flight in Belize that went down on November 14, 1990. After the forced landing, Gary retrieved his 2 meter handheld from his luggage, connected it to the

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aircraft's 121 MHz antenna and made a successful call for help.

Operation Desert Storm began in 1990, and MARS stations were activated to handle personal messages, including phone patches, between members of the military and their families back home -- a major morale-booster. Those efforts of American amateurs operating under their counterpart MARS call signs generated a great amount of positive publicity for Amateur Radio.

The May 1991 QST article, "Last Voice from Kuwait," told how Abdul, 9K2DZ, hid his amateur gear from Iraqi soldiers when they came to confiscate it. When they demanded his radio equipment, he gave them a broken radio! After that, he used AMTOR and APLINK to handle health-and-welfare messages in and out of Kuwait. Many of Abdul's messages were forwarded to the media, Department of Defense, Department of State, and the White House. Again, good reviews for Amateur Radio.

During 1991, many hams made contact with the Soviet Mir space station, thanks to the efforts of operator Musa, UV3AM. Another Amateur Radio first occurred in 1991: The entire crew of the space shuttle Atlantis on its STS-37 mission (April 5-11, 1991) was comprised of hams, and Space Amateur Radio EXperiment (SAREX) ham gear was aboard.

A first took place on Space Shuttle mission STS-37. SAREX (Shuttle Amateur Radio EXperiment) provided live communication from the shuttle into many school classrooms to teach the students about space exploration and Amateur Radio.

In July 1991, N6CA and KH6HME set a new record on 3456 MHz between California and Hawaii. Each was running 5 W to a 4-foot dish.

In 1992, after 8 years as ARRL President, Larry Price, W4RA, declined to run for re-election. The League's Board of Directors subsequently chose him as the next International Affairs Vice President, which provides liaison with the IARU, which Price served as Secretary. George Wilson, W4OYI, succeeded Price as ARRL President.

N7FKI and W7ZOI reported in the March 1992 QST that they had built a one-transistor 10 meter CW transmitter and made contacts with it using lemon power -- essentially a cell made by inserting appropriate electrodes into a lemon. If life gives you lemons, make contacts!

During the early 1990s, interest in digital communication grew, and QST published many articles on the subject that helped fan the flames. Also, hams became interested in the old concept of direct-conversion receivers. KK7B presented one of the best in the August 1992 issue of QST. Another old receiver circuit was also revived -- the regenerative receiver. WJ1Z described one for 40 meters in the September 1992 issue of QST.

By the early 1990s, digital signal processing (DSP) had made its appearance, and had begun to be used by both homebrewing hams and equipment manufacturers.

A September 1992 QST article, "ABC: The First Electronic Digital Computer," recounted the fascinating tale of the first real computer, the Atanasoff-Berry computer -- a vacuum tube device -- designed in 1939 and 1940 by university professor John Atanasoff and built by electrical engineering student Clifford Berry, W9TIJ. -- Al Brogdon, W1AB

*Courtesy of the ARRL Newsletter*

### **FT4TA DXPEDITION TEAM AIMS TO TAKE TROMELIN OFF THE TOP 10 MOST-WANTED LISTS**

The FT4TA DXpedition <<http://www.tromelin2014.com/en/>> to Tromelin Island is in its final stages of preparation, and in less than 1 month the six-man team will depart for the small French possession in the Indian Ocean. Operation is scheduled to commence on October 30 and continue until November 10. The DXpedition is the recipient of an ARRL Colvin Award <<http://www.arrl.org/colvin-award-grants>> grant.

"I and about 10,000 of your 'best friends' will be tuned up and listening for you," Warren Croke, NW4C, quipped on the Tromelin2014 <<https://www.facebook.com/tromelin2014>> Facebook page. "Be safe and have fun."

The FT4TA DXpedition said its operation is a chance to get Tromelin Island off the Top 10 most-wanted lists. Right now, it's number 8 (mixed) on the ClubLog DXCC Most Wanted List <<http://www.clublog.org/mostwanted.php>>. Located some 280 miles east of

### CLUB INFO

#### PUBLIC SERVICE

Doc W3GAD announced the 25th annual Thanksgiving Day Run, sponsored by the Bucks County Road Runners, held on Nov. 27.

#### 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](mailto:membership@k3dn.org).

If you want to have your picture taken to be placed on the 'Members' Photos' section of the [www.k3dn.org](http://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

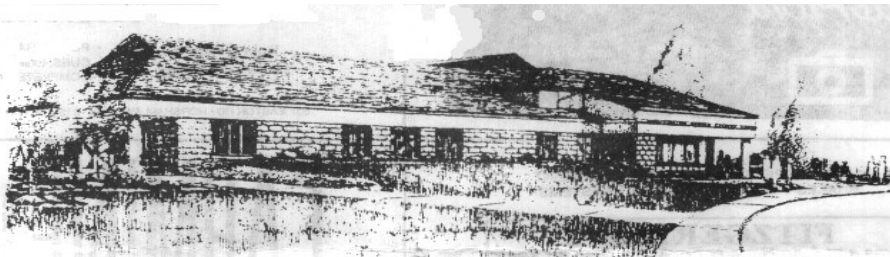
November - Log Book of the World, Norm Fusaro W3IZ

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

##### 13 - 14 10 Meter

Starts 0000 UTC Saturday; runs through 2359 UTC Sunday

##### 21 Rookie Roundup (CW)

1800 UTC through 2359 UTC

#### QSO Parties

Kentucky QSO Party 1400Z, Nov 8 to 0200Z, Nov 9

### ➤ ATLANTIC DIV. HAMFESTS - 2014



#### November 16 - JSARS HAMFEST BY THE SHORE

Riverwood Park Riverwood Drive

Toms River, NJ 08753

<http://jsars.org>

### 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 jmcloskey@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\***

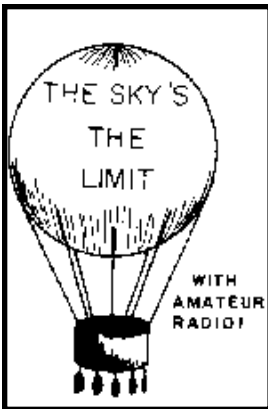
**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**  
 Fairless Hills, PA (many remote access locations throughout Bucks County)

**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



*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.

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

**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 Buegers
- 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

**Bucks County Amateur Radio Emergency Service (BCARES)**

[www.bucksares.org](http://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:

<b>Full Member:</b>	<b>\$ 20.00</b>
<b>2nd Family Member:</b>	<b>\$ 10.00</b>
<b>Student:</b>	<b>\$ 10.00</b>
<b>Alumni:</b>	<b>\$ 10.00</b>
<b>Associate:</b>	<b>\$ 5.00</b>

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

## 2014 Officers

### Executive Officers

President	Irwin Darack	KD3TB	215-343-8170
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	Richard Luce	AG3L	215-441-8264

### 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