



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

May 2016

Next Meeting May 5th - Elections/Pizza Night, Hamfest recap

President's Message

By the time this "goes to print", the Hamfest will be a distant memory (of at least a day or two...), and elections will be here. All eligible WARC members should have received an email to allow voting electronically via Survey Monkey, and of course paper ballots will be available at the General Meeting on May 5th. Please be sure to vote either way, as this is your chance to have a voice in the operation and direction of the club. And we supply the pizza!

Beginning with this month's meeting, we'll turn our focus towards our Field Day 2016 preparations, with final prep culminating at the June meeting. Doc W3GAD has already begun lining up Band Captains and making the arrangements for another successful event. And who could forget coordinating with Mark AA3K and Marianne KA2VJO about the smorgasbord of food that keeps us fueled for the duration – after all, the generators aren't the only things that need to be well-fed to operate properly! If you've never attended a Field Day, I highly recommend it. It's one of my favorite radio activities, as it offers everything in one weekend: operating opportunities of all types (HF, VHF, pile-ups, lonely overnight CQ's, etc.), great camaraderie with fellow hams, sharpening your set-up and operating skills, as well as presenting Amateur Radio to the public in an active and positive way. I look forward to this every year, and I think once you've experienced it, you will, too.

I want to congratulate everyone who participated in WARC's NPOTA event at Valley Forge National Park (HP46) and worked support for the Revolutionary Run. It appears that you represented WARC and Amateur Radio exceptionally well, and had a great time doing it! Special thanks to Irwin KD3TB and Guy WA3JZN for their work in leading the efforts.

This month's meeting topic will be a recap of the Hamfest, and of course the elections. See you there!

de Tony, W3FLH
73

NOMINATIONS FOR CLUB OFFICERS

President -	Tony Cuttone	W3FLH
Vice President -	Vinny Porcaro	K3VJP
Secretary -	Kathy Acker	KC3FBY
Treasurer -	Bill Ballantine	K3FMQ
Director -	Larry Abbott	WA3ELQ
Director -	George Brechmann	N3HBT

Meeting Minutes WARC General Membership Meeting

April 7, 2016

Attendance:

Call to order

Introductions – pass the mic

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Minutes from last meeting:

There were no minutes printed in the last Feedback for review and approval

Committee Reports:

Treasurer's Report: <Bill K3FMQ>

As read at the meeting

Programs: <Vinny K3VJP>

Vinny not in attendance

Membership: <George KC3ESH>

WARC currently has 122 active members.

Public Service: <George N3HBT>

Guy WA3JZN reported on 4/17 Valley Forge Revolutionary Run – not too late to sign up. See Guy this evening if interested.

George N3HBT reports 1 event on 4/24, March of Dimes March for Babies at Tyler State Park. 8:00 am start time, finish by 12. Will use 147.09. Run will all be in the park this year. No other public service events at this time.

Classes: <George KA3WXV>

Ron WA2OOB doing tech classes and working very well, have 2 students who passed already, a father & daughter. There are 5 students in the Extra class.

VE Testing: <Larry WA3ELQ>

Had 4 successful HAMS at testing session on March 28. Next session will be April 25 at 7:00 pm at the Sr. Center. There will also be a testing session at Hamfest on Sunday, May 1 at 10:00 am.

Repeater: <Brian N3EXA>

Brian reported that he did some work on the controller – fixed the clock. Added a different courtesy tone linked to 40 meter. He would like to see more activity. Fusion repeater working well.

Good and Welfare: <Vince KD3TC>

Vince reported that he send out a few cards.

Old Business

Irwin KD3TB reported that Survey Monkey will be turned on to use for elections. He will also be sending a survey on logging programs. Brandon KC3DYT will also be sending out a survey regarding food & drink choices for our general membership meetings.

Tony W3FLH reported that the club will be purchasing 17 kits for the kit building session.

The ARRL trip has been postponed due to lack of commitment. A fall date will be looked at.

Hamfest and National Parks on the Air will be discussed after the break.

We will be using N3HP software as the logging program for Field Day. Bring your logging computer to the June meeting.

New Business

Nominations – Bill K3FMQ reported that there is an uncontested slate of officers but we are still accepting nominations. Ballot will be set up in Survey Monkey and sent out to all members in good standing.

Motion to adjourn at 8:08 pm.

Presentation: *National Parks on the Air and Hamfest*

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NPOTA (National Parks On The Air) April 17, 2016 Valley Forge National Historic Park Warminster Amateur Radio Club

Throughout 2016, Amateur Radio operators are helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public. In late 2015, the Warminster Amateur Radio Club, began planning on putting the Valley Forge National Historic Park (HP46) on the air on April 17, 2016. This date was selected to coincide with the annual Valley Forge Revolutionary Run. Many of the club members were already on site to assist with the race coordinators. Event co-Chairs Irwin, KD3TB, and Michael, W3MAS, worked with Park officials to schedule the event, select a highly visible site, and obtain the needed permits to allow for the use of a vertical antenna, generator and an operating tent.



Bill, K3FMQ and Larry, WA3ELQ setting up the antenna



George, KC3ESH and Kathy, KC3FBY making contacts. Bill, K3FMQ and Chuck, W9BIK looking on.

When the date arrived, Mother Nature cooperated with a perfect spring day of sunny skies and warm weather. Band conditions were not the best with a solar flux around 110, but a high noise level (K=4). A solar storm was predicted. 15 club members came out to participate. For several, this was their first experience being on the receiving end of a pile-up. The Club worked 156 unique stations on both 40 meters and 20 meters for a total of 164 contacts. While the majority of contacts came from the US, stations in Europe (France and Germany) and many from Canada, including Saskatoon and Nova Scotia, were placed in the log.



Jim, WA4YWM working a pile up with Shrinivas, KC3FJB looking on.



Club Welcome table with Club Banner and Amateur Radio Literature

A number of park visitors stopped by to find out what we were doing, including some active and inactive Ham's who were enjoying the beautiful spring day. We had on site literature available about Amateur Radio that we obtained from the ARRL. The event was a success in all aspects, enjoyed by all who attended.

Irwin, KD3TB

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K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: Over the reporting week of April 21-27, average daily sunspot numbers rose from 40 to 43.3, and average daily solar flux declined from 100.8 to 81.9. This is compared to the previous seven days. The average planetary A index dropped from 10.9 to 9.4, and the average mid-latitude A index rose from 8.9 to 11.6.

Predicted solar flux is 95 on April 28; 93 on April 29-May 1; 92 on May 2; 90 on May 3-4; 95 on May 5-10; 100 on May 11; 95 on May 12-15; 82 on May 16-24; 80 on May 25; 82 on May 26-29, and 95 on May 30-June 6.

Predicted planetary A index is 6, 14, 26, and 18 on April 28-May 1; 8, 6, and 8 on May 2-4; 5 on May 5-8; 18, 25, and 20 on May 9-11; 8, 5, and 12 on May 12-14; 5 on May 15-18; 12, 15, and 12 on May 19-21; 8 on May 22-23; 5 on May 24-25; then 10, 18, and 12 on May 26-28; 5 on May 29-30; 12 on May 31, and 5 on June 1-4.

Spaceweather.com reports Earth will cross a fold in the [heliospheric current sheet](#) on April 29 or 30. "This is called a 'solar sector boundary crossing,' and it could trigger geomagnetic activity around Earth's poles," Spaceweather.com reported. "NOAA forecasters estimate a 60 percent chance of G1-class geomagnetic storms on April 29."

Sunspot numbers for April 21 through 27 were 35, 22, 11, 46, 38, 65, and 86, with a mean of 40. The 10.7 centimeter flux was 76.8, 76.6, 78.7, 81.8, 81.9, 85.2, and 92.6, with a mean of 100.8. Estimated planetary A indices were 5, 13, 12, 11, 8, 7, and 10, with a mean of 10.9. Estimated mid-latitude A indices were 23, 13, 11, 11, 6, 6, and 11, with a mean of 8.9.

Courtesy ARRL Newsletter

Top 12 Rigs Reviewed by Sherwood Engineering By: Andy Vavra, KD3RF

(Editor's Note: See the following page for the ratings. Also note that the letters and numbers following some of the ratings refer to footnotes that can be found on the referenced URL.)

With Dayton just around the corner I thought this information from Sherwood Engineering < <http://www.sherweng.com/table.html> > was very timely before any of us run off and buy a 7300 just for its pretty face.

"Size doesn't matter" or so I've been told, and a pretty face is well... just another pretty face that will *lose its luster* in the first pile-up.

In the performance rating chart below, Elecraft occupies the 2nd, 3rd, 6th and 8th highest rankings of all receivers available today and the new Icom comes-in at last place.

Only the Flex 6700 SDR comes out ahead with a noise floor 17 dBm lower than the K3S, but with an AGC threshold 2X higher than Elecraft.

I'm not sure which one is more important, noise floor or sensitivity, but I will opt-in personally for a more sensitive receiver **The Elecraft K3S has a sensitivity rating nearly 10X better than the 6700** and the narrow-spaced dynamic range (eg... contest operations) is 2 dB less than Flex, but probably undetectable by ear.

The KX3 portable QRP rig has dropped to 6th place and the K3 Classic (without Ksyn3 synthesizer upgrade) still has some admirable performance figures but has dropped to 8th place which is still well ahead of the Icom 7300.

Bottom line: The Icom 7300 is exactly as they describe it in their advertisements... An entry-level radio that will look impressive on the new owner's desk, but will fail to meet the demanding conditions encountered in DXing and contesting.

So, save your money and for a few dollars more you can purchase a high performing K3 Classic on the used market for between \$1500 - \$2500 that can be fully upgraded to K3S performance when you feel the need.

And if you already a K3 Classic, the performance differences outlined by [Rob Sherwood](#) make a compelling argument to do the upgrade.

RANKING	Device	Noise	AGC		100kHz		LO Noise	Spacing	Front End	Filter	Dynamic Range		Dynamic Range	
	Under Test	Floor	Thrshld	dB	Blocking	Sensitivity	(dBc/Hz)	kHz	Selectivity	Ultimate	Wide Spaced	kHz	Narrow Spaced	kHz
		(dBm)	(uV)		(dB)	(uV)				(dB)	(dB)		(dB)	
1	Added 9/29/14 FlexRadio Systems 6700 Hardware Updated	-118 -135b2	3 1.0b2	Var	130 preamp Off	2 0.25b2	145 155	10 50	B Band Pass	115	99	20&2	108y	20&2
2	Added 11/10/15 Elecraft K3S	-135 -138b -14510	1.5 0.45b	3	150	0.27 0.20b 0.081	144 146	10 50	B Band Pass	110	107q	20	106p 106q	2
3	Added 02/23/15 Elecraft K3 (RX Gain Recal) New Synthesizer	-136 -139bq	1 0.3b	3	141	0.27 0.20b	145 147	10 50	B Band Pass	108	105q	20	107p 104q	2
4	Added 04/25/16 Icom IC-7851	-123 -135b -141b1	8.5 1.85b 1.16b	3	149	0.65 0.16b 0.11b1	148 153	10 50	A Trk Presel	100	110aa	20	105aa	2
5	Added 10/02/12 Hilberling PT-8000A Hardware Rev 2.00	-128 -141b	5.4 1.0b	3	142	0.45 0.11b	144 149	10 50	A Trk Presel	100	105	20	105w	2
6	Added 08/10/12 Elecraft KX3	-123 -138b2	12 1.3b2	3	138	0.9 0.09b2	144	10	B Band Pass	110	105	20	104t 96u 65v	2
7	Added 12/01/10 Yaesu FTdx-5000D	-123 -135b -141b1	4.6 1.2b 0.33b1	3	127s	1.1 0.27b 0.13b1	135	10	B Band Pass	90f	104	20	101f	2
8	Added 2/15/08 Elecraft K3	-130 -138b	2.1 0.6b	3	140s	0.33 0.19b	138	10	B Band Pass	105	104	20	101pf 96qf 95r	2
8	Updated 7/2/09 Perseus	-123 -125b	0.15 0.1b	3	125	0.8 0.6b	147	10	B Band Pass	109f	99	20	99	2
10	Added 2/15/08 FlexRadio Systems FLEX-5000A	-123 -135b	2 0.5b	3	123s	1.3 0.3b	123	10	B Band Pass	98	96	20	96	2
11	Added 4/16/06 Ten-Tec Orion II	-125 -133b	2.7 0.65b	3	130	0.75 0.3b	126	10	B Band Pass	100f	95f	20	95i	2
12	Added 04/25/16 Icom IC-7300	-133 -141b -142b1 -122ab	1.9 0.85b 0.50b1	3	123	0.27 0.11b 0.10b1 1.0ab	137 147	10 50	B Band Pass	85	103ab 81ac	20	94ab 81ac	2

CLUB INFO**PUBLIC SERVICE**

Warminster Memorial Day Parade

Golf Outing - Monday, June 20 - 1 PM start.

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

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 2016

May – Elections/Pizza Night, Hamfest recap

June – Field Day prep

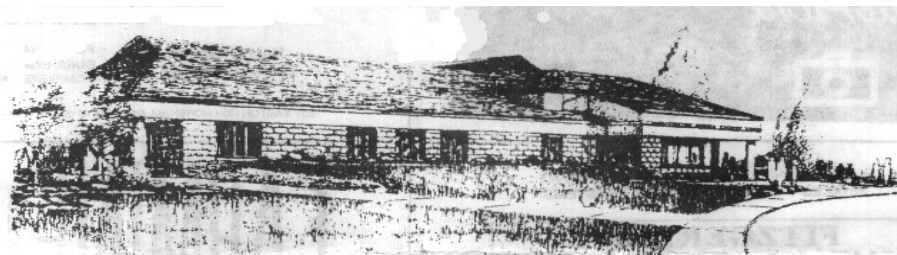
July – Transceivers/Microwave

August – Homebrew Night

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.



2016 Contest Calendar

JUNE

June VHF

June 11-13

1800 UTC Saturday, runs through 0259 UTC Monday

Kids Day

June 18 - 1800 UTC through 2359 UTC

Field Day

June 25 - 26

1800 UTC Saturday and running through 2059 UTC Sunday

JULY

IARU HF World Championship

July 9-10

1200 UTC Saturday and ending 1200 UTC Sunday

QSO Parties

Florida 1600Z, Apr 30 to 0159Z, May 1 and 1200Z-2159Z, May 1

7th Call Area 1300Z, May 7 to 0700Z, May 8

Indiana 1500Z, May 7 to 0300Z, May 8

Delaware 1700Z, May 7 to 2359Z, May 8

New England 2000Z, May 7 to 0500Z, May 8 and 1300Z-2400Z, May 8

Arkansas 1400Z, May 14 to 0200Z, May 15

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 2016 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

➤ ATLANTIC DIV. HAMFESTS ➤ 2016

May 1 - WARC Hamfest

Middletown Grange Fairgrounds

576 Penns Park Road Newtown, PA 18940

<http://www.k3dn.org/hamfest.htm>

May 7 - The Greater Hagerstown Hamfest

Washington County Agriculture Center

MD Route 65 South, Sharpsburg Pike Hagerstown, MD 21740

<http://www.w3cwc.org/Menu/Hagerstown-Hamfest>

May 28 - Memorial Day Hamfest

Howard County Fairgrounds

2210 Fairgrounds Road West Friendship, MD 21794

<http://www.marylandfm.org>

June 5 - JSARS HAMFEST BY THE SHORE

Riverwood Park 100 Riverwood Drive Toms River, NJ 08753

<http://jsars.org>

June 19 - BARC Fathers Day Hamfest

Arcadia Volunteer Fire Company Grounds 16020 Carnival Avenue Upperco, MD 21155

<http://www.w3ft.com>

June 23 - RadioActivity 2016

Holiday Inn 9615 Deereco Road Timonium, MD

<http://www.maarc.org>

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)

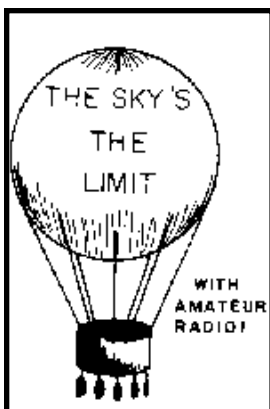
Fairless Hills, PA (many remote access locations throughout Bucks County)

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>



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.

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:

Lower Bucks NY3J-10

145.530 Bensalem

Net Schedules

Sunday	2100	10 Meter Net	28.445 MHz
Wednesday	2000	2 Meter Net	147.09 Rptr.
Wednesday	2000	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2000	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.

➤ **CLUB EQUIPMENT**

WARC has 2 Baofeng UV-5R dual band HT's and a Yaesu FT-2900 2M mobile that are available for use by members of the club. The radios 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, Vinny Porcaro K3VJP
215-493-0783

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

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

- Are your dues current ?

2016 Officers

Executive Officers

President	Tony Cuttone	W3FLH	267-679-9297
Vice-President	Vinny Porcaro	K3VJP	215-493-0783
Secretary	Alan Ash	KA3YCG	
Treasurer	Bill Ballantine	K3FMQ	215-766-0764
Director (A)	Michael Shanblatt	W3MAS	267-491-5773
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Jim Elmore	WA4YWM	215-538-1889
Director (E)	George Brechmann	N3HBT	215-443-5656
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 16	Doc Whitticar	W3GAD	215-968-6397
Fundraising			
Hamfest 16	Mike Karabin	WJ3O	215-317-4029
Hamwear	Herb Hickmott	KB3VMN	267-718-3601
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	George Acker	KC3ESH	215-815-7783
Net Manager	George Brechmann	N3HBT	215-443-5656
Publicity	Bernice Kraut	KB3PCX	215-884-8195
Refreshments	Brandon Penglase	KC3DYT	
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