

October 2013

The HARC Spark

The Official Newsletter of the
Holmesburg Amateur Radio Club
WM3PEN 146.685 Mhz Repeater
K3RJC 444.9 Mhz Repeater
K3FI CLUB CALLS WM3PEN
Web Site <http://www.harcnet.org>



NEXT MEETING OCTOBER 17th!

Speaker: Mark, KC3JV

Topic: 160 Meter Antennas for the City Dwellers

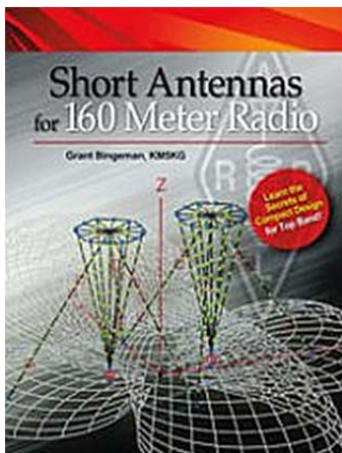
ARRL School Club Round Up Top Honors

160 Meter Antennas for the City Dwellers

Mark Rothstein, KC3JV, will give a presentation on 160 meter antennas for those with limited space at the October 17th HARC Meeting.

Getting on 160 meters has always been a challenge for most hams since a dipole antenna is about 253 feet. Mark is HARC's antenna expert and has experience in antenna design.

Come out to the HARC meeting and see if you can get on Ham Radio's 'Top Band.'



NE Philly 5 Mile Run October 20th Northeast Phila Airport

12 Radio Operators are needed to provide communications for the annual NE Philly 5 Mile Run. Walk starts at 8:15 and run starts at 9:00 AM. Some operators will need to be on site at 7:00 AM. Others 7:45.

This is a fairly easy event. Come out and support local youth sport clubs. This event was started by State Representative Dennis O'Brien (now City Council Member.) He has been very supportive of HARC and amateur radio.

Contact Rich, AB3EO, or Bob, WA3PZO.

Special Thank You to
Boy Scout Troop 155 / 461
 Great job running the water stop

Holmesburg Amateur Radio Club
 Great job on the traffic control

PHILLY PRETZEL FACTORY
 of Parkwood

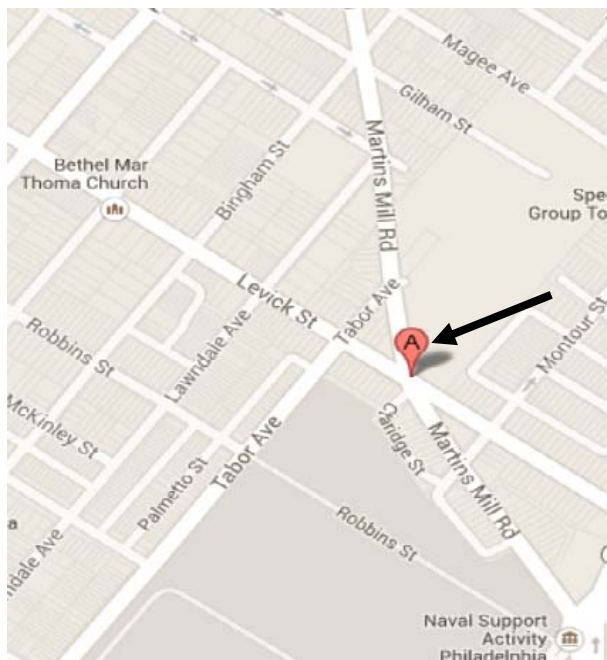
State Senator
MIKE STACK
 Representing the 5th Senatorial District
www.senatorstack.com

Muller Inc. Philadelphia PA
 & Web Master Rich Shivers

HARC Board of Directors

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WM3PEN @ AOL.COM

H.A.R.C. Monthly Meetings - The Board of Directors meets on the 1st Thursday @ 7:30 PM (Odd number months). General meetings are held the 3rd. Thursday @8:00 PM. Pathway Bldg, Philadelphia Protestant Home, 6401 Martins Mill Road at Tabor Rd . Phila PA. No meeting in July. Picnic in August.



H.A.R.C maintains the 146.685 repeater located @ Univ. of PA., Phila PA with inputs in Abington, N.E. Phila, and Cherry Hill, NJ; More Club Information & Member Applications can be had by contacting any of the Directors via E-mail. WM3PEN@arrl.org, the web page <http://www.harcnet.org> or writing to HARC 3341 Sheffield Ave, Philadelphia, PA 19136.

HARC Bulletin Schedule

Bulletin Station K3CJ

Wed 2000L Amateur Radio News Line

ARRL Audio News

The RAIN Report

Contests / Special Events / Hamfests

Sun 1000L This Week In Amateur Radio

Gate Way 160

Handy Hams

Contests / Special Events / Hamfests

PHILA ARES INFORMATION

All amateurs interested in participating should check into the Phila ARES Net, Sunday's at 9:00 PM, hosted on the Phil-Mont Repeater System; 147.030 MHz (+offset 91.5 PL) ;444.80 MHz (+offset 186.2 PL) When control operators are available, Echolink node 29742, WU3I-L, is on the repeater. Backup link is KB3IV-L.

All interested amateurs are welcomed and encouraged to check in for more information. There is always a different topic of interest to the amateur community discussed with an informal round table of comments and suggestions.

Look forward to having all check in on Sunday nights @ 9:00 pm. See web site for more information.

- Visit the Philadelphia ARES web site
<http://www.harcnet.org/aresindex.html>



VE SESSIONS

PhilMont Mobile Radio Club has testing in Ambler, PA on the 4th Thursday of every month. Exams , 1414 E. Butler Pike in Ambler, PA.

Registration begins at 7pm.

Warminster Amateur Radio Club has testing the last Wednesday evening of each month except August and December. The sessions are at the Warminster Recreational and Educational Center on Little Lane, and start promptly at 7:00 PM (registration 6:45 PM).

Bryn Mawr - quarterly on a Saturday. Contact Bob Lees, W3ZQN, rjlees@aol.com

Keep up on the latest HARC news by checking out the Club website www.HARCNET.org

Upcoming Events

Next Meeting: October 17
NEYPA Run: October 20

HF AWARDS MANAGER

Are you getting close to having all 50 states confirmed for the Worked All States award or working enough grid squares for to qualify for the VUCC Award? As a HARC service you can now have your QSL cards verified by Bob, WA3PZO, and not have to ship the cards to ARRL Headquarters. You must be an ARRL member to qualify for the awards. Additional information and links can be found on the HARC website (www.harcnet.org)

University of Pennsylvania hams contribute to society

A Nobel Laureate who started as a radio amateur recently spoke at Chestnut Hill College's 20th anniversary of its Biomedical Lecture Series

Dr. Michael S. Brown, formerly **W3DCL**, 72, who grew up in Elkins Park, said an amateur radio operating license obtained at the age of 13, while a student at Thomas Williams Junior High School in Wyncote, sparked his passion for science.



Dr. Brown, whose research on cholesterol and genetics with colleague Joseph Goldstein garnered the Nobel Prize for Physiology or Medicine in 1985.

In an interview with the Chestnut Hill Local prior to Brown's presentation, the Cheltenham High School graduate said he and a friend used to build their equipment from various parts or kits.

"I would usually finish around 3 a.m.," Brown said. "I would plug it in and blow every fuse in the house. My parents were not very happy with this hobby. What made it scientific was you had to go back over the entire thing step by step and figure out what you had done wrong. And that's the essence of science because experiments never work the first time."

According to the Nobel Foundation, Brown graduated in 1962 from the College of Arts and Sciences of the University of Pennsylvania, with chemistry as his major subject. He spent most of his time at the headquarters of the student newspaper, the Daily Pennsylvanian, where he served as features editor and briefly as editor-in-chief.

Read the Chestnut Hill Local story at <http://chestnuthilllocal.com/blog/2013/10/10/laid-groundwork-for-cholesterol-drugs-from-ham-radios-to-nobel-prize-for-local-scientist/>



Dr. Ralph M. Showers, formerly **W3GEU**, 95, Professor Emeritus of Electrical and Systems Engineering at the University of Pennsylvania and a leading expert on electronic interference, died at

his home in Havertown, on Sunday, Sept. 8, 2013, after an illness of several months. Dr. Showers graduated from Haverford High School in 1935. He received his bachelors (1939), masters (1941), and doctoral (1950) degrees in electrical engineering from the University of Pennsylvania where he was hired soon after graduation and taught electrical engineering at Penn for many years. Dr. Showers was named emeritus professor of electrical engineering in 1989.

Dr. Showers had an esteemed career dedicated to improving electronic communications by controlling electronic interference. He was both a national and international technical leader whose contributions have had tremendous impact on standardization in the field of electronic interference.

Dr. Showers had his amateur radio license from 1936-1947. In 1948 he became a sponsor of the University of Pennsylvania Amateur Radio Club.

Dr. Showers showed outstanding long-term commitment to the voluntary standards process. He has served as vice president of the U.S. National Committee (USNC) of the International Electrotechnical Commission (IEC), and as a member of its Executive Committee. He also served as Technical Advisor for the USNC Technical Advisory Groups (TAGs) for IEC Technical Committee (TC) 1, Terminology, IEC TC 77, Electromagnetic Compatibility (EMC) and Subcommittees 77A and 77B; and the International Special Committee on Radio

Interference (CISPR). He also served as chairman of ANSI-accredited committee C63 on Radio-Electrical Coordination. He was a founder of the IEEE EMC Society.

As chairman of the C63 committee he worked closely with ARRL officials, including Hugh Turnbull, W3ABC, (SK) and Ed Hare, W1RFI, on interference issues. Hare described Dr. Showers as "a competent and hard working individual who provides a good balance to the committee and its work." Dr. Showers and his committee worked on interference issues involving all types of consumer electronics, including televisions, vcrs, computers, phones, and touch lamps.

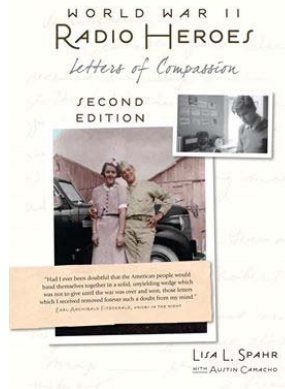
Since the 1940s, Dr. Showers was active in research on measurement of noise, weapons systems communications, aerospace microwave technology, space shuttle radio frequency experiments, stabilization of cable radiation characteristics, and cable coupling models. Among innumerable accomplishments, he worked for NASA, the U.S. Navy, the U.S. Army, IBM, and supervised 38 master theses and 10 Ph.D. dissertations. He authored and contributed to numerous articles in his field, as well as presented at seminars and moderated technical sessions.

Dr. Showers was a recipient of the ANSI Elihu Thomson Electrotechnology Medal, ANSI Astin-Polk International Standards Medal, the IEEE Standards Medallion, the IEEE Steinmetz Award, the IEEE Centennial Medal, the IEEE Fellow Award, and the EMC Society Richard Stoddart Award. He was a registered professional engineer in Pennsylvania, a life fellow of IEEE, and an honorary life member of the USNC.

Dr. Showers is the uncle of Bob, WA3PZO. His U of P office in the Moore School is the current home of the U of P Amateur Radio Club.

Welcome New Member

John, N3RCQ, Philadelphia



World War II Radio Heroes Letters of Compassion Second Edition Lisa Spahr
List: 19.95

HARC members or at HARC Meetings:
\$15.00
Others: \$19.00
Shipping extra.
Contact:

WM3PEN@AOL.com or Bob, WA3PZO

Pennsylvania "67" Challenge Award

Amateur Radio operators around the world have the opportunity to participate in the Pennsylvania "67" Challenge. The Challenge, sponsored by the Holmesburg Amateur Radio Club, is to make contact with all 67 Pennsylvania Counties. The Challenge is open to all amateur radio operators regardless of individual station capabilities. All contacts must be 2-way communications made in real time. These contacts may be on any Amateur Radio band/mode.


Contacts made using repeating devices such as FM repeaters, Amateur satellites, moon-bounce, and keyboard-to-keyboard contacts through digipeaters/nodes are valid, because these QSOs are made in real or near-real time. Contacts using IRLP, Echolink, or D-Star are valid as long as a radio is being used by both operators. All contacts must be made from the same county.

As an incentive Pennsylvania "67" Challenge certificates may be earned by working stations in 20, 40, 60, or all 67 Counties. Paper or electronic QSLs are acceptable. The contacts can be verified by a local club officer or mailed to the Holmesburg Amateur Radio Club.

Complete rules are posted on the HARC website. Questions on the Award can be directed to HARC at WM3PEN@ARRL.NET.

School Club Roundup

The Holmesburg Amateur Radio Club placed first in the October 2012 and February 2013 School Club Roundup in the Club category. Certificates were received this month. The October




The Council for the Advancement of

AMATEUR RADIO

in the New York City Schools

and **ARRL** The national association for AMATEUR RADIO

Hereby acknowledge that:



WM3PEN of **Holmesburg Amateur Radio Club**

has enhanced communication with and among school Amateur Radio groups by making 4 QSOs in the October, 2012 School Club Roundup, attaining a score of 96 points.

1 Place Club Entry Class


In the true spirit of Amateur Radio, this has contributed toward goodwill and friendship among people.

Kay Craigie
N3KN

President, ARRL

Law Melchior N3RD

Chairman, CAAR / NYCS

 **ARRL** The national association for AMATEUR RADIO

4 States 4 Schools

0 DX Countries 0 Clubs

0 Canadian Provinces

2013 School Club Round Up takes place the week of October 21-25. Each 5-day event runs Monday through Friday from 1300 UTC Monday through 2359 UTC Friday. A station may operate no more than 6 hours in a 24-hour period, and a maximum of 24 hours of the 107 hour event.

Objective: To exchange QSO information with club stations that are part of an elementary, middle, or high school or college. Non-school clubs and individuals are encouraged to participate. Sponsored by the ARRL, its Hudson Division Education Task Force and and the Long Island Mobile Amateur Radio Club (LIMARC) to foster contacts with and among school radio clubs.

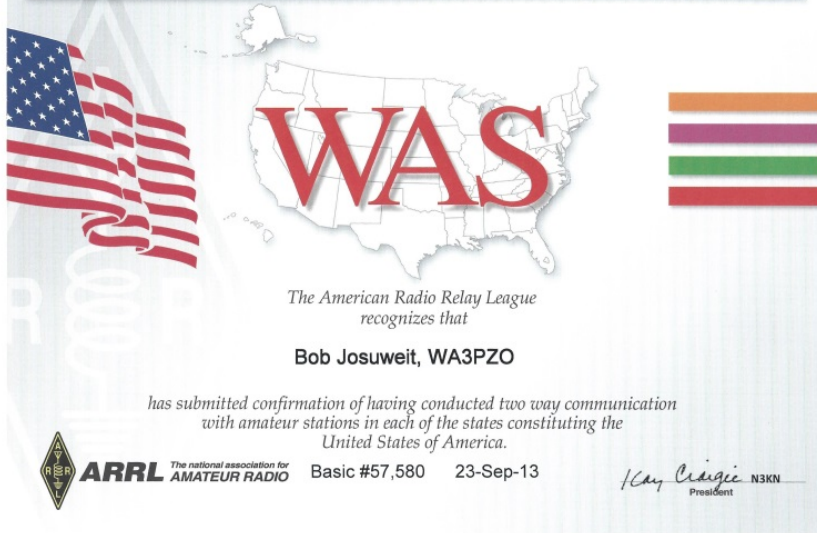
Award certificates will be issued for the following US and DX categories:

Schools: Elementary, Middle/Intermediate/Junior High School, High School and College/University

In addition, non-school clubs and individuals also compete for certificates. Complete rules can be found at: <http://www.arrl.org/school-club-roundup>. If you are interested in putting WM3PEN on the air contact Bob, WA3PZO.

ON THE AIR

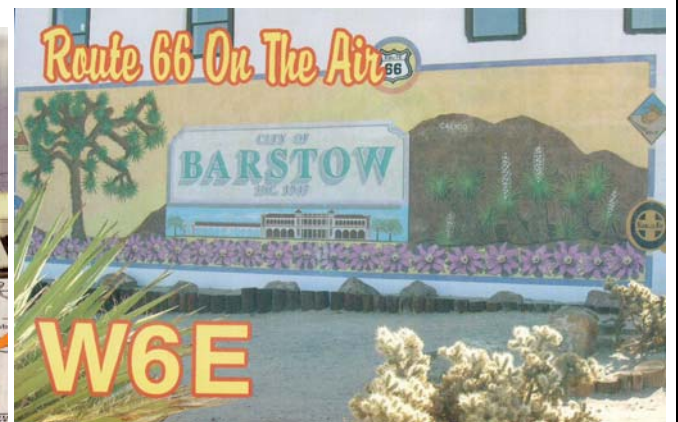
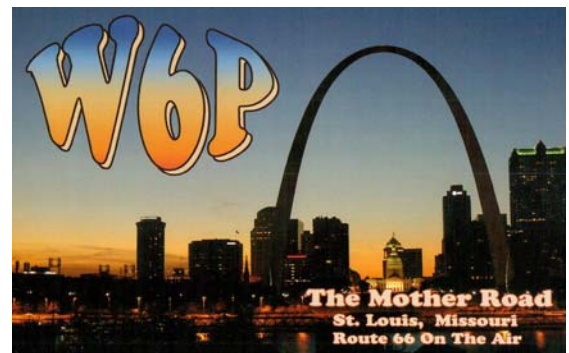
Worked All States Award



Greg, WA3GM, and Bob, WA3PZO, each earned the Woked All States Award for confirming contacts with all 50 states.



The Route 66 Special Event is similar to the 13 Colonies Special Event. 18 special event stations are on the air along Rt. 66. Each station offers a special qsl card and you can get a certificate as well.



ON THE AIR



The Radio Amateur's Journal

Takes pleasure in awarding this Certificate of Merit to

WA3PZO

In Recognition of the achievement of winning the

2013 World Wide WPX Contest SSB

for the **Single Op Assisted Low Power ALL BANDS** division for #9 in United States 3rd Call Area

A Total score of **7,150** points was computed on the basis of the number of stations worked and call sign prefixes contacted. In witness of this achievement, we hereby affix our signatures on this day.

Handwritten signature K5BD

CO WPX Contest Director

Handwritten signature W2VU

Editor, CQ

WA3PZO placed 9th in the 2013 World Wide WPX Contest SSB in the 3rd Call Area Single operator assisted low power category.

Hams in England operated special event calls to recognize planes in the Royal Air Force.



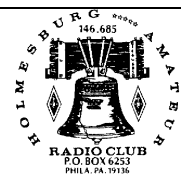
ON THE AIR

Did you do something interesting in ham radio, make an interesting contact, get a special qsl or certificate? Let us hear about your activity ON THE AIR!

Send stories and photos to
WM3PEN@AOL.COM.

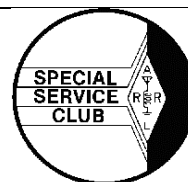
HOLMESBURG AMATEUR RADIO CLUB
3341 Sheffield Ave., Philadelphia, PA 19136
"Serving the Community Through Ham Radio"

Next Meeting: October 17 Philadelphia Protestant Home
NEPYA Run: October 20th – NE Phila Airport



HOLMESBURG AMATEUR RADIO CLUB 2013 MEMBERSHIP FORM

HARC, 3341 Sheffield Ave, PHILADELPHIA, PA 19136
<http://www.harcnet.org>
WM3PEN/K3FI



All members in good standing are eligible to vote and hold a board office. Dues are \$20.00/year.
Make checks payable to H.A.R.C. and mail to 3341 Sheffield Ave, Philadelphia, PA 19136. Membership year begins April 1.

NAME _____ CALL _____

ADDRESS _____

City, State, Zip _____

Telephone # _____ Would you be willing to receive the newsletter via email? ____

E-mail _____

Are you an ARRL member? YES NO Membership Expires (mm/yy) _____