



FEEDBACK



Web Site k3dn.org

Warminster Amateur Radio Club

June 2023

Next Meeting June 1st - The Life and Work of Philo T Farnsworth

President's Message

Greetings,

Well the summer is upon us. Please keep yourself and your family safe from sunburn and exercise caution when driving. As for our club we have Field Day coming up at the shrine. Please come out to work some stations and to show support for our club. Introduce your friends and family members to the joy of Ham Radio.

Have a safe summer and enjoy the bands.

73's

Ray – KA3TRU

Warminster ARC General Meeting Minutes May 4, 2023

Meeting Called to Order: 8:20pm

(After the night's presentation; Eric Fleiscer, "Bucks County History")

Introductions and Attendance: 35 Attendees

Minutes from last Meeting:

Motion made and seconded to approve as submitted.

Committee Reports:

Treasurer's Report: Tom (K3PLA) *As given*

Programs: Dave (KC3RAT) Upcoming presentations:

June – "Philo T. Farnsworth" by Coxey Toogood and Pizza Night

Membership: Tony (W3FLH) *No Report*

Public Service: George (N3HBT)

** Monday May 29 Memorial Day Parade, 12 radio operators needed with a 10 am start. WARC club tent will be set-up at York Rd. and Henry Ave. Hot dogs, soda and beer to follow at the VFW on Louis Dr. George will not be able to attend. Control operator needed.*

** Five Pond Golf Outing; Thursday June 1. The event has been scaled down. 8am start, five radio operators needed. Breakfast before and hot lunch afterwards. Hot dogs and soda during the event.. George will not be able to attend. Control operator needed.*

Classes: Dan (K3GMQ) & Dave (KC3RAT)

Plans in the works for a new Tech Class class in a month or two. A new General Class class planned for after change-of-question-pool, July 1.

VEC Testing: Larry (WA3ELQ)

Last session saw four-successful candidates testing; two new Techs, one General, one Extra. Next session, Monday May 22 (one week early due to Memorial Day) Testing at the ham fest- 10am.

Repeater: Brian (N3EXA)

All working. Getting interference from a station trying to connect on echo-link.

Good and Welfare: Regina (KC3RLF)

No report.

Other Committees:

Radiosport: Irwin (KD3TB) *No report*

Hamfest: Tony (W3FLH) May 7. *A group will be meeting at the BWSC at 1:30pm Saturday to load items to be take to*

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the BCCC. 3:00 pm Saturday delivery of tables and set-up. Gate and Parking attendants needed early Sunday am..
Field Day: Herb (KB3VMN) June 24-25. Help needed to move equipment, etc from the BWSC to the shrine location. Plans for renting a tent and chairs for the event.

Refreshments: Arlene (KA3PLA)

Pizza Nigh in June. A head-count needed for how many to expect for the meeting. No donuts that night. Sodas and coffee will be provided.

Old Business:

Club Station: Interest/Activity On hold until construction is completed.

Elmer Program: An "Elmers Corner" will be placed on the club's website as well as in FEEDBACK. Asking for member volunteers to mentor those with specific problems. Those volunteers will be ask to help in their particular line-of-expertise.

Website- Allow members in Good-Standing to sell / advertise items for sale on WARC Website. The club will make a disclaimer that all transactions are between the buyer and seller and the club is not responsible for any transactions. This will be a club membership benefit for members in Good-Standing only.

* Kathy (KB3FCY) will be updating the site as needed.

New Business:

Pizza night returns with the June Meeting

Skywarn: Karl (K3KH)-

A basic training is offered via webinar on May 11, from 6pm-8pm EDT.

An advanced training (requires recent completion of the basic training) is offered via webinar on May 31, from 6pm-8pm

EDT. You can find out more about Skywarn at: <https://www.weather.gov/phi/skywarn>

Elections- Tabled over concern that not all of the Officers positions were filled. The President needed to check the club's constitution / bi-laws to see if the election can move forward with a vacant Secretary position. Once the elections proceed, they will take place electronically, on Constant Contact. With the exception of the Secretary, all current board members will be returning. Slate is as follows:

President- Ray (KA3TRU)

Director (E)- Larry (WA3ELQ)

Vice President- Dave (KC3RAT)

Director (E)- George (N3HBT)

Secretary- OPEN

Treasurer- Tom (K3PLA)

Meeting Adjourned: 8:50pm

Elmer's Corner

Welcome to Elmer's Corner. This will be a section where hams can request help with ham related issues. Our goal is to match someone with experience with the issue you are having in order to resolve your problem. This is intended to cover all aspects of ham radio:

Equipment

Software

Antennas

Operations

Send the editor an email detailing the issue: wa4ywm@comcast.net.

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Council Rock South High School has Out of this World Contact with International Space Station

Bob Wilson, W3BIG

A 30-student team from the Council Rock Amateur Radio Club (KC3JND) at Council Rock South High School in Holland, Bucks County made a 10-minute contact with NASA astronaut Stephen Bowen-KI5BKB on the orbiting International Space Station as it passed over eastern Pennsylvania on May 1 at 0843 EDT.

The team, comprised of marketing, engineering and systems integration student specialists, has worked on the ARISS (Amateur Radio on the International Space Station) project for more than a year. Though the high school club has had other notable accomplishments, the ARISS project is always the highlight of the year.

Faculty advisor Jerry Fetter-K3OHI along with Joseph Warwick-KB3ZED, both science teachers, have worked tirelessly with students preparing for the contact. They were assisted with technical expertise by skilled radio operators from both the Frankford ARC and Warminster ARC including Bill Ballantine-K3FMQ, Irwin Darack-KD3TB, Joe Horanzy-AA3JH, Michael Shanblatt-W3MAS and Andy Vavra-KD3RF, who served as the overall manager for this project as well as all three of the Council Rock School District's previous ARISS contacts over the past seven years, coordinating work sessions and keeping a very complex project on task for a deadline that couldn't be moved.

The ARISS project was presented in the high school auditorium with an audience of interested students and visitors watching the preparation and actual QSO. At precisely 0843 EDT, contact with the ISS was established on the 2-meter band. The speaker in the main transceiver, an Icom IC-9700, a specialized VHF/UHF rig designed for weak signal operation, crackled to life with the voice of astronaut Stephen Bowen answering the Council Rock Amateur Radio Club KC3JND call. Just making contact would be thrilling enough, but the students asked a lengthy series of questions, this being an educational endeavor. KI5BKB answered all of the questions patiently during the remarkable contact which lasted a full 10 minutes from AOS (Acquisition of Signal) to LOS (Loss of Signal) at 0853 EDT. Most contacts with the ISS last about 6 or 7 minutes, so this QSO was robust with excellent signal quality. The antenna system, a roof-mounted 2m/70cm Yagi array, tracked the ISS via computer as it passed from horizon to horizon at a speed in excess of 17,000 mph. An airborne drone, operated by Joseph Warwick-KB3ZED, fed video of the antenna system as it tracked, projected for all to see on a large screen in the auditorium.

Besides the obvious educational benefits of the ARISS program, the project has been very successful in encouraging a number of students to earn their FCC licenses. Their fascination with and enthusiasm for amateur radio is critical for our hobby in attracting a younger generation of hams to join our community.

The next project for Council Rock Amateur Radio Club will be participation in Field Day 2023, to be held at the high school in June. Listen for their callsign-KC3JND on the air during the event.



Gracie DeSaro (Left) tweaks the IC-9700 transceiver as Aaron Yang and Nandini Narayanan of Council Rock ARC look on during the ARISS contact with NASA astronaut Stephen Bowen-KI5BKB aboard the ISS on its pass over eastern Pennsylvania May 1.

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Council Rock Amateur Radio Club (KC3JND) ARISS team prepares for a contact with NASA astronaut Stephen Bowen-KI5BKB on the orbiting International Space Station May 1.



Council Rock South High School ARISS team following a successful contact with NASA astronaut Stephen Bowen-KI5BKB onboard the ISS as it passed over eastern Pennsylvania May 1. Pictured in the foreground (left to right) are students Artur Kis, Gracie DeSaro, Aaron Yang and Nandini Narayanan. In the back row (left to right) are technical assistants from Frankford ARC and Warminster ARC Bill Ballantine-K3FMQ, Irwin Darack-KD3TB, Joe Horanzy-AA3JH and Michael Shanblatt-W3MAS. Andy Vavra-KD3RF was not present for the photo.



Council Rock Amateur Radio Club faculty advisors Jerry Fetter-K3OHI (left) and Joseph Warwick-KB3ZED, both science teachers, were instrumental in the success of the ARISS contacts the school club has made with the International Space Station.



All the members of the Council Rock South Amateur Radio Club, their faculty advisors and the WARC group.

Newsletter from Council Rock South about our recent event at our school on May 1st!

The ARISS project at Council Rock HS in Holland, PA was a tremendous success on May 1st thanks to the efforts of five Warminster Amateur Radio / Frankford Radio Club members who worked closely with teachers and the schools Amateur Radio Club to make it a reality.

Students have been working very hard for several months preparing for this event. They learned skills in wireless communications, electronics, and other subjects including marketing and public relations.

A full recording of the KCJND contact with the International Space Station may be viewed at this link: <https://www.crsarc.org/live>

This is the third time the school has been chosen for an ARISS contact, something no other school or university in the United States can claim, and largely due to the dedication and efforts of this team over more than seven years.

Irwin Darack - KD3TB, Bill Ballantine - K3FMQ, Joe Horanzy - AA3JH, and Andy Vavra - KD3RF collectively donated hundreds of hours of their time supporting the ARISS project, teaching the students about wireless communications and introducing the next generation of new hams to Ham Radio.

Please join the student members and teachers of the Council Rock HS South Amateur Radio Club in thanking them for their contributions to our club:

Bill Ballantine - K3FMQ led the students on pulling more than 1,000 ft of coaxial and rotator cables, and in building, testing and setting up antennas for VHF, UHF, and HF. His contribution included teaching the students how to install connectors, antenna basics, and testing for resonance.

Irwin Darack - KD3TB led the students on systems integration and design, and he explained to them how everything works together. Irwin also worked on all the radios (primary and backup,) programming them for the ARISS frequencies, doppler shift, and integrating the the functions of the az/el rotators to track the International Space Station as it flies overhead. He gave instruction to the students on how to connect everything together and led many practice sessions and rehearsals prior to contact.

Joe Horanzy - AA3JH and Michael Shanblatt - W3MAS are co-leaders of the student engineering team. Working together they invested months of their time helping student engineers to troubleshoot, test, and make repairs to the az/el rotators, preamps, antenna polarity switches, and rotator cabling connections. They both also assisted Irwin with setting-up and programming a brand new Icom 9700 that was delivered to the school just a week ago. Failure was not an option and these three pulled it off with perfection!

Last but not least, Andy Vavra - KD3RF acted as the overall project manager for this project as well as all of CRS'D's previous ARISS contacts over the past seven years, coordinating work sessions and keeping a very complex project on task for a deadline that couldn't be moved. He was also was the team's marketing leader, helping the students develop their skills in crafting news releases, conducting media relations, and getting a feature article published in QST (maybe even on the cover.) He also acted in a fill-in capacity for Bill, Irwin, Michael, and Joe when one or another of the ham team members wasn't available due to personal or work commitments.

The schools Amateur Radio Club 40 members have been studying with many already earned their Tech license. Through a generous donation by FRC, students are given a new HT once they earn their Tech license. In addition to the International Space Station Contact, the Club participated in the ARRL School Roundup and anticipate participating in Field Day from the school. In addition to the Icom 9700, the school purchased an Icom 7300 and has had numerous worldwide QSO's using a wire antenna built by the students with the guidance of Bill Ballantine.

Taylor Arnosky
Council Rock High School South

2023 Contest Calendar

June

3-4 [International Digital Contest](#)

1800 UTC Saturday, ends 2359 UTC Sunday

10-12 [June VHF](#)

1800 UTC Saturday, ends 0259 UTC Monday

17 [Kids Day](#)

1800 UTC through 2359 UTC

24-25 [Field Day](#)

1800 UTC Saturday and running through 2059 UTC Sunday

July

8-9 [IARU HF World Championship](#)

1200 UTC Saturday and runs through 1159 UTC Sunday

15-16 [North American QSO Party, RTTY](#)

1800Z, Jul 15 to 0559Z, Jul 16

QSO Parties

Kentucky 1300Z, June 3 to 0100Z, Jun 4

West Virginia 1600Z, Jun 17 to 0400Z, Jun 18

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 2023 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, 1st Monday at 6:30. Levittown Library - Ben Johns, K3JQH, 215-657-5994

Telford, PA, RF Hill ARC. Indian Valley Library. Held the third Monday of odd months (January, March, May, July, September, November)
Contact: Jim Soete 215-723-7294
wa3ylq@arrl.net.

Philadelphia, PA, Testing is done on the 3rd, non holiday Monday of the month at the Giant Supermarket, 315 York Rd., Willow Grove, 19090 at 6:30 PM in the Community Room. For further information contact James McCloskey at jmccloskey@msn.com and by phone 215-275-2979.

Lansdale, PA Testing on the fourth non-holiday Thursday 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
Alt Contact: Jim, 610-287-5630

➤ ATLANTIC DIV. HAMFESTS ➤ 2023

June

10 [Bloomsburg Hamfest](#)

Lime Ridge Community Center

6405 4th Street

Lime Ridge, PA

<https://www.qsl.net/cm-arc/hamfest.htm>

18 [Father's Day Hamfest at Arcadia](#)

Arcadia Fairgrounds

16920 Carnival Ave.

Upperco, MD 21155

<http://W3FT.com>

July

1 [Firecracker Hamfest](#)

Harrisburg Postal Employees Picnic Grounds

1500 Roberts Valley Road

Harrisburg, PA 17101

<http://www.W3uu.org>

29 [CVARC 2023 Hamfest, ARRL Pennsylvania State Convention](#)

CVAEMA Show grounds

1501 Criders Church Road

Chambersburg, PA 17201

<http://w3ach.com>

CLUB INFO**PUBLIC SERVICE**

Monday May 29 Memorial Day Parade, 12 radio operators needed with a 10 am start. WARC club tent will be set-up at York Rd. and Henry Ave. Hot dogs, soda and beer to follow at the VFW on Louis Dr.

Golf Outing June 1, 8:00am start to 2:00pm. Breakfast and Hot Buffet Lunch will be served.

Contact: George Brechmann N3HBT

CLUB STATION

The WARC club station is open to anyone with an interest, on the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting 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 and are approved by the Board. Please contact the Membership Committee for more information if interested."

ATTENTION MEMBERS

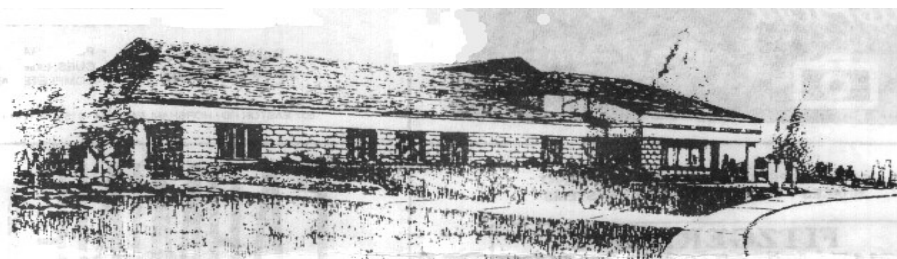
The Membership Committee can provide Club badges. Two types are available: an engraved plastic callsign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even numbered months. 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 2023

June - The Life and Work of Philo T Farnsworth by Coxey Toogood

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 the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting . 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.

SKYWARN INFORMATION**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:

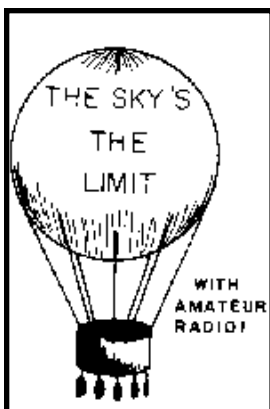
<https://www.weather.gov/phi/Info>

SKYWARN Basic Weather Spotter Educational Programs URL:

<https://www.weather.gov/phi/classes>

➤ 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, Dave McGowan KC3RAT



*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, 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 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
444.759 RF Hill Analog/
Fusion

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

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	2000	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.

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:

WARMrinfo@gmail.com

Visit our Home Page at:

<http://www.k3dn.org>

The annual dues rate structure is as follows:

Full Member: \$25.00
Student: \$ 7.50
Alumni: \$12.50

- Are your dues current ?

2023 Officers

Executive Officers

President	Ray Oechslin	KA3TRU	267-269-3198
Vice-President	Dave McGowan	KC3RAT	215-850-5846
Secretary	Dan Myers	K3NXX	215-957-2343
Treasurer	Tom Newman	K3PLA	215-630-5965
Director (A)	Doug Becker	KC3MNQ	215-932-1370
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Bruce Farrington	WA3ZPC	215-262-4215
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Tony Cuttone	W3FLH	267-679-9297

Committee Chairpersons

ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
ARRL Liason	Irwin Darack	KD3TB	215-343-8170
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	Dave McGowan	KC3RAT	215-850-5846
	Dan Clementi	K3GMQ	
Digital and APRS	Ron Wenig	NY3J	215-638-9257
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 23	Herb Hickmott	KB3VMN	267-718-3601
Hamfest 23	Tony Cuttone	W3FLH	267-679-9297
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Tony Cuttone	W3FLH	267-679-9297
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	
Publicity	Herb Hickmott	KB3VMN	267-718-3601
Refreshments	Arlene Newman	KA3PLA	215-345-4539
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Mike Malone	W3MJM	215-639-2175
Station Trustee	George Brechmann	N3HBT	215-443-5656
Good and Welfare	Regina Litman	KC3LRF	
Township Liason	George Brechmann	N3HBT	215-443-5656
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	George Altemus	KA3WXV	215-855-3856
Website Coordinator	Kathy Acker	KC3FBY	215-815-7978
Youth Programs			