

QRZ NEWS

A MONTHLY PUBLICATION OF
 SOUTHERN PENNSYLVANIA AMATEUR RADIO CLUB, INC
 PO BOX 422- Mount Joy, PA 17552
 (Founded June 1960)

AN AFFILIATED SPECIAL SERVICE CLUB OF THE ARRL, INC.

"Public Service through Communication"

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 Club site 1715 Breneman Road, Rapho Twp. (Manheim P.O. 17545 NO DELIVERY)

June 2015

President's Message

Everywhere Are We

This Year Scott KN3A and I made the trek to Dayton Ohio for Hamvention. We opted to participate in Contest University the day before. What we were expecting and the experience had; well let me tell you about that.

The night before Contest U, Wednesday, there was a gathering at the hotel. This being Wednesday night Bob Heil was there getting ready to live stream his show Ham-nation (twit.tv/show/ham-nation). There were a few people I recognized in the room, Frank Donovan, W3LPL and Tim Duffy, K3LR. A few that I knew of but never met, Tom Wagner, but many will recognize him by his call N1MM, and this guy Paul Gentry, K9PG.

Now Paul is the kind of guy who everyone knows and is one that I encourage everyone to meet. He is an outstanding exemplification of the modern ham. Scott knew Paul from before, and I knew of him through the Gentry shown below enacted on Navassa, K1N.



Along for the Ride was a Danish gentleman named Tom Anderson, OZ1AA. Tom is currently 4 years into a bike around the world. He started in Europe traveled South through Syria and then West. He is currently in Nicaragua heading up through Mexico. His intentions are to start in Cuba then to Florida, and be in our area sometime in August, but my bet is closer to October. More regarding Tom's adventure, is on his website <http://www.cyclingtheglobe.com/>

Table of Contents	
President's Message	Page 1
Coming Events	Page 2
Editor's Notes	Page 3
Six Meter DX Report	Page 3
ARES/RACES Information	Page 4
SPARC Officers, Nets, Etc.	Page 4
World Time Contd.	Page 6

Still that same night in walked what I guessed to be two of the most obnoxious Californian surfers, turns out they were Australian so at least they had an excuse. Andrew VK4NM and

Peter VK4LAT turned out to be a pair of standups that proved all is not lost down under. Mixed with these two were the likes of Ryan Dahlberg, N00J
Katie Allen, WY7YL
Her husband Dwayne Allen, WY7FD
Peter the Australian Greek, VK3FN
Tony Burt VK3TZ

Why do I mention this cast of characters? It's because of all the experiences in Dayton the most lasting will be meeting each individual of this group. This crew is a small subset of why our niche will continue. This crew represents contesters, tinkers, and mode challengers. Those who wish to push our hobby, Sport, and interest forward into the next century.

We call ourselves Hams, and for 4 crazy days and nights we were. After the Dayton experience I am encouraged, enthusiastic and reenergized in why I became a Ham.

Would I go to Dayton again, yes. Next year, probably not. I do suggest that everyone make the trek, meet the people and reaffirm that ours is a strong group of interesting characters in a way that only Dayton can.

Your President

Kevin Lampo
K3LLC

P.S. Check the following link for a video on the value of Morse Code to Amateur Radio
https://www.youtube.com/watch?v=ETZoFW9P9ro&feature=em-upload_owner

SPARC is hosting a bunch of antennas for Dale Long and his Haiti project. All proceeds of the sale go to support the 3 towers he and the team are erecting. The short list is:

(3) 10M 4 element Yagi's
A Skyhawk 20, 15, 10M in near mint condition

A trapped 2-el 40M beam
A 5-el 6M beam
(3) 4-el 2M beams
A 12-el 1.25 yagi
A 432 cross polarized multi-el yagi with switching box
A 2M cross polarized multi-el yagi with switching box
A few other beams of various sort and status.

This list is for sale through Dale, myself or Harry are available to show people the goods. The cause is worth the list and the amount of hardware blew Dale away. He was just looking for a tower and got a lot more.

Coming Events

Tuesday, 23 June 2015, 7:00PM SPARC meeting at the SPARC club site 1715 Breneman Rd(Manheim P.O. 17545 for GPS).

Late breaking news! The new building is on site! Come and admire. Chairs are in short supply. Best to bring your own.

Field Day preparations are the mission of this meeting.

Monthly Breakfast

The second Saturday of every month at 0800 is a SPARC breakfast at Gus's Keystone Restaurant, 1050 W. Main St, Mt Joy, PA.

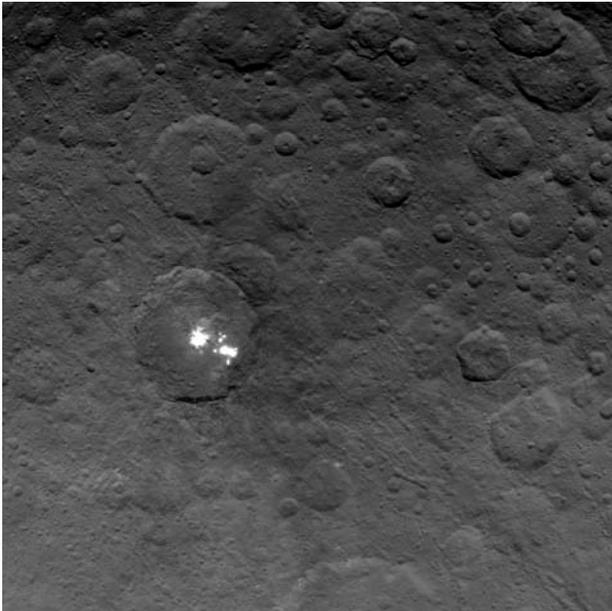
Contact [Gerry Wagner, KB3SSZ](mailto:Gerry.Wagner@KB3SSZ), for more details. Everyone interested in Amateur Radio is invited to attend. See <http://guskeystone.com/> for restaurant details.

Saturday-Sunday June 27-28 Field Day

SPARC will participate as usual from our club site in Rapho Twp. Come out and join the fun. All visitors welcome!

Other Events

Saturday, 6 June 2015 New images of dwarf planet Ceres, taken by NASA's Dawn spacecraft, show the cratered surface of this mysterious world in sharper detail than ever before. These are among the first snapshots from Dawn's second mapping orbit, which is 2,700 miles (4,400 kilometers) above Ceres..



The brightest spots on dwarf planet Ceres are seen in this image taken by NASA's Dawn spacecraft on June 6, 2015.

Credits: NASA/JPL-Caltech/UCLA/MPS/DLR/IDA

For more information see <http://www.nasa.gov/jpl/bright-spots-shine-in-newest-dawn-ceres-images>

Monday, 6 July 2015, 15:00EDT Aphelion, the Earth's greatest distance from the Sun and the approximate peak of the Summer Es season. See QRZ News, March, 2009, page 6 for more information on why this is the peak.

Editor's Notes

I wasn't able to get on much for the June VHF contest. Broken antennas limited me to six meters and 223.500 FM simplex. Results were dismal. I heard but did not work C6ATA in FL15. He was a very busy guy working stations up into New England.

223.500 usually is a reasonable contact getter. I was not able to get on early in the contest, but I did hear K3CX in Reading working W3CCX in the Poconos late in the afternoon. I did not succeed in getting his attention before he went up to 446.000 to work W3CCX. Bummer, as I heard no one else on the band. In the January contest, I worked 9 stations and 4 grids on 223.500. Maybe by September I can get some antennas fixed.

As always, I need articles for publication for this newsletter. Keep those cards and letters coming.

73, George, W3FEY

Six Meter DX Report

15 June 2015

I haven't really been keeping up on 6 meters, or any radio for that matter. I've had a couple of personal family matters that have been occupying my time. I do know that the E season has until recently been very poor. Although the season is still early, it's been one of the poorest in the last 15 years for trans-Atlantic propagation and SSSP from the Far East. Virtually no trans-Atlantic stuff here except CT1FJC and EA8. First day of any real opening to Europe was June 4th. Usually the first EU opening occurs in mid-May.

Today stations in Florida had the best propagation to EU, including ER, SV, CT, EA, I, S5, 9A, and YU. Opening was centered around EL97 and EL98. NWØW

in Missouri also heard CT and XE. XE2JS apparently got into I and S5 Europe from DL68.

During contest I got on for about an hour early Sunday morning. I caught C6ATO in FL15, NP4A, and CO8ZZ in FL10. I think FL10 and FL15 were new grids but I don't really chase grids on 6 meters.

Because of personal matters I had to cancel participation in the PJ5A DXpedition. Disk K5AND and Terry K4RX are still going to St. Eustatius from June 25th -July 6th.

73, Chris W3CMP

Message from Lance Collister, W7GJ:

Hello 6m DXers!

This year's dedicated 6m EME DXpedition will be from V6M in PK90va, August 26-September 3, 2015, in celebration of my 50 years of VHF DXing. I hope to surpass my record from last July's DXpedition to KH8, where I completed with 68 stations on 6m EME. Anyway, you know that you can count on me to be making a dedicated effort to work as many serious 6m operators as possible! I will not have any internet or email communications from V6, but I have published a planned operating schedule on my web page. Full details are here:

<http://www.bigskyspaces.com/w7gj/Micronesia2015.htm>

73, Lance

ARES/RACES



As part of the SPARC commitment to emergency communications, the SPARC repeater system is maintained as available for linking with other area repeaters.

Lancaster County RACES VHF Net is held on the first Tuesday of the month at 2030 hours local time on the 145.310 MHz repeater in Rawlinsville.

The Lancaster County primary ARES/RACES repeater is on 145.310 MHz with minus offset and 118.8 PL.

Pennsylvania RACES HF Nets are held at 3993.5 kHz LSB on all Sundays except holidays.

The statewide net is on the first Sunday of the month at 0800 hours local time.

The Central Area (including Lancaster County) net is at 08:30 local time.

EPA NBEMS Net, Tuesday, 7:30pm local EST,
3.5920mhz Mode: Olivia 8/500 1khz,
Net Mgr: WA3WSJ@arrl.net

SPARC Nets

SPARC holds nets every Tuesday at 2100 local time on 145.230 MHz minus offset and PL of 118.8. The **449.975MHz** repeater is linked to the 2m repeater for the net.

Club Officers

President Kevin Lampo – [K3LLC](#)
Vice President Scott Lithgow – [KN3A](#)

Secretary – Peg Hamm – [KB3SCA](#)
Treasurer – David St. Pierre - [AB3VJ](#)
Repeater Trustee - Dave Payne - [N3LOM](#)

Membership Info Update Request

Please send all changes of address, email, and ham status to me for the MDB to Gerry Wagner at 1309 Willow Creek Drive, Mount Joy, PA 17552 or Gerry.Wagner@ComCast.Net, Cell=717-344-1427,

Home Phone=717-653-0659 (Fax Opt); Skype
Thanks Gerry Wagner KB3SSZ

Nearby Nets of Local Interest

If you need information on access tones etc, the referenced web sites below will usually provide the information needed. For more information, see <http://arcc-inc.org/arc-fdbas.html>

Monday [Ephrata Area Repeater Society](#) Net

9:00 PM on 145.450MHz.

Monday [Keystone VHF Club](#)

Combined Club & ARES/RACES Net 8:30PM on 146.970MHz.

[Monday South Mountain Radio Amateurs](#)

SMRA Club Net 9:00PM on [145.430MHz](#)

SSB net 9:00PM on 146.210MHz. May be slightly delayed by SMRA club net.

Tuesday [Digital Net](#) 8:00 PM on the York 146.970MHz Repeater -- This is a busy digital data training net for beginners and advanced users. The primary mode used is MT63-2k. Other experimental modes are also used.

The leaders of the Tuesday Digital NET have decided to take a summer hiatus. So the official NET will not be held for a couple of months. Anyone who wants to continue practice, may contact each other and exchange digital traffic as you desire.

Morse Code Net Tuesday, 2000 local time (8:00p). [SMRA](#) repeater 145.430- (67.0 Hz) with alternate frequency of 146.460+ (1,000 kHz offset, tone 67.0 Hz)

Wednesday York County SSB Net 7:45PM on 50.135MHz. Informal net getting started. Contact Steve Cruse, K3WHC, for more information.

Wednesday [Pottstown Area Amateur Radio Club](#) 8:30PM 50.130MHz Contact [Leonard, WV3P](#) for more information.

Wednesday [Red Rose Repeater Association Net](#) 8:30 PM on 147.015MHz. This is an experiment to see if net attendance improves by starting a half-hour earlier.

Wednesday [QCWA Net](#) 9:00PM on 146.97MHz.

Thursday [Lancaster Radio Transmitting Society Net](#) 9:00 PM on 145.390MHz

Friday Lebanon County Digital Roundup Net 8:PM on the EARS 145.450MHz (tone 100.0Hz) repeater.

I cover all types of digital/data modes, training on computer/radio interfacing and message handling.

The primary focus is with Fldigi and Flmsg and lots of SSTV, using MMSSTV. The nets are always very informal and have sometimes lasted for 2 or more hours to cover all the evening's interest.

73,

[Bob Sanborn/AB3GF](#)

Sunday Info Net

On the N3TUQ 900MHz repeater: 8:30PM
Output: 927.5875MHz Input: 902.5875MHz
(-25MHz) PL 114.8Hz.

The N3TUQ 900MHz repeater is located on the
[LVSRA tower on Cornwall Mountain.](#)

Net control: Bob Howard, [KB3QAO](#)

For more information visit
<http://www.n3tuq.com/repeater.aspx>

PACKRAT VHF/UHF NETS

Visit the Mt Airy VHF Radio Club at:
<http://packratvhf.com/airtimes.htm> for the latest
information on VHF/UHF nets.

NTS Eastern Area Phone net

3.917 at 4:00 PM daily for traffic going to
EPA, MDC, WPA and Maryland. We have a
callup, pass any traffic, after that a round of
comments. Traffic manager is WA3QPX. Net
could use more checkins from EPA as we
normally only get one checkin from EPA and
sometimes none. This is where the Fone traffic
for EPA net normally comes from. Any
questions I will be on 3.917 at 4:00 PM.
73 , [Paul, WA3QPX](#)



Two EPA Nets Now Accessible via Echolink

Posted By: [egroups_n3sw](#) [egroups_n3sw](#)

Mon Aug 27, 2012 11:40 pm

<>The EPA AA3RG and Echolink Traffic Net
(EAETN) has been accessible since its
inception via Echolink at node AA3RG-R
(#149493). See the group Calendar for more
information. [*Thursday 8:00PM*]

<>Now the Capital Area Traffic Net (CATN) is
also accessible via Echolink at node
N3TWT-R (#743026). See the group Calendar
for more information. All (*licensed hams*) are
welcome to join in on these nets.

73 -Scott N3SW EPA STM-

<>AA3C note: To visit our group on the web,
go to NTS-EPA Group web site:

<http://groups.yahoo.com/group/nts-epa/>
Both nets will utilize the 146.640(tx-) MHz.
Transmit access tone: 82.5 Hz.

AA3RG Repeater. <http://www.aa3rg.org/>

QRZ News Publication

QRZ News is published monthly. The
deadline for submission of items for
publication is 11 days before the regular
membership meeting on the fourth Tuesday of
each month. If material is not copy and paste
ready for publication, more lead time is
required.

We operate on an exchange basis with other not
for profit publications. Articles printed in QRZ
News may be reprinted in a not for profit
publication provided proper credit is given.

QRZ News is archived at

<http://www.k3ir.org/>

WORLD TIME

Continued from page 13 QRZ News, April
2015.

Linear and Cyclical Time

Ancient cultures such as Incan, Mayan, Hopi, and other Native American Tribes, plus the Babylonians, Ancient Greeks, Hinduism, Buddhism, Jainism, and others had the concept of a wheel of time, that regarded time as cyclical and quantic consisting of repeating ages that happen to every being of the Universe between birth and extinction. In general, the Islamic and Judeo-Christian concept, based on the Bible, is that time is linear, beginning with the act of creation by God. The general Christian view is that time will end with the end of the present order of things. In the Old Testament book Ecclesiastes, traditionally ascribed to Solomon (970–928 BC), time (as the Hebrew word *`iddan*(time) *zēman*(season) is often translated) was traditionally regarded as a medium for the passage of predestined events. (Another word, *zman*, was current as meaning *time fit for an event*, and is used as the modern Arabic, Persian, and Hebrew equivalent to the English word "time".)

Time in Greek Mythology

The Greek language denotes two distinct principles, Chronos and Kairos. The former refers to numeric, or chronological, time. The latter, literally "the right or opportune moment", relates specifically to metaphysical or Divine time. In theology, Kairos is qualitative, as opposed to quantitative.

In Greek mythology, Chronos (Ancient Greek: Χρόνος) is identified as the Personification of Time. His name in Greek means "time" and is alternatively spelled Chronus (Latin spelling) or Khronos. Chronos is usually portrayed as an old, wise man with a long, gray beard, such as "Father Time". Some English words whose etymological root is khronos/chronos include *chronology*, *chronometer*, *chronic*, *anachronism*, *synchronize*, and *chronicle*.

Time in Kabbalah

According to Kabbalists, "time" is a paradox and an illusion. Both the future and the past are recognized to be simultaneously present.

Time as "unreal"

In 5th century BC Greece, Antiphon the Sophist, in a fragment preserved from his chief work *On Truth*, held that: "*Time is not a reality (hypostasis), but a concept (noēma) or a measure (metron).*" Parmenides went further, maintaining that time, motion, and change were illusions, leading to the paradoxes of his follower Zeno. Time as an illusion is also a common theme in Buddhist thought.

J. M. E. McTaggart's 1908 *The Unreality of Time* argues that, since every event has the characteristic of being both present and not present (i.e., future or past), that time is a self-contradictory idea.

These arguments often center around what it means for something to be *unreal*. Modern physicists generally believe that time is as *real* as space—though others, such as Julian Barbour in his book *The End of Time*, argue that quantum equations of the universe take their true form when expressed in the timeless realm containing every possible *now* or momentary configuration of the universe, called 'platonica' by Barbour.

Physical definition

Until Einstein's profound reinterpretation of the physical concepts associated with time and space, time was considered to be the same everywhere in the universe, with all observers measuring the same time interval for any event. Non-relativistic classical mechanics is based on this Newtonian idea of time.

Einstein, in his special theory of relativity, postulated the constancy and finiteness of the speed of light for all observers. He showed that this postulate, together with a reasonable definition for what it means for two events to be simultaneous, requires that distances appear compressed and time intervals appear lengthened for events associated with objects in motion relative to an inertial observer.

The theory of special relativity finds a convenient formulation in Minkowski spacetime, a mathematical structure that combines three dimensions of space with a single dimension of time. In this formalism, distances in space can be measured by how long light takes to travel that distance, e.g., a light-year is a measure of distance, and a meter is now defined in terms of how far light travels in a certain amount of time. Two events in Minkowski spacetime are separated by an *invariant interval*, which can be either space-like, light-like, or time-like. Events that are time-like cannot be simultaneous in any frame of reference, there must be a temporal component (and

possibly a spatial one) to their separation. Events that are space-like could be simultaneous in some frame of reference, and there is no frame of reference in which they do not have a spatial separation. People travelling at different velocities between two events measure different spatial and temporal separations between the events, but the *invariant interval* is constant and independent of velocity.

73, Bob Reiser, AA1M

Reprinted from the March & April 2015 issues of the [QUANNAPOWITT RADIO ASSOCIATION](#) news letter.
