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# St. Paul Radio Club Ground Wave

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## KØAGF

www.stpaulradioclub.org  
Club Repeater: 145.310 MHz  
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North St. Paul, MN 55109

## NEWS AND NOTES FOR NOVEMBER 2015 — Volume 75, Issue 11

### Monthly Meeting

November 6, 2015  
UST OWS LL54  
7:00 pm Socializing  
Membership Meeting 7:30 pm

PROGRAM

### Bletchley Park Clarence Netwal, K9ELX

Clarence will share some of what he learned on his two visits to Bletchley Park, the center for British codebreakers in World War II.

Clarence was first licensed as K9ELX at LaCrosse, Wisconsin, in 1956—the era of vacuum tubes and components that you can see and handle. His first station was a Heathkit DX 35 (6146 60 Watt final), a J-38 key, and a Heathkit receiver with Q-5er.

He earned an MSEE in 1964 at the University of Wisconsin, moved to Minnesota and became WØJEV, to his original issue call when the FCC allowed calls not tied to the areas.

He designed computers and super computers at Control Data until 1993. He more or less dropped out of active participation in amateur radio until coming across the St. Paul Radio Club Circuit Builders SDR project a few years ago.

### Presidential Ponderings

One of my more enjoyable activities is eating and socializing. We offer both at the SPRC Saturday Morning Breakfasts, which, sadly, are overlooked by most members.

Orcy usually sends out an announcement a few days before the breakfast (which meets the third Saturday of each month--the October announcement is below) and will include the Circuit Builders meeting information at the same time.

St. Paul Radio Club October Club Breakfast!

Saturday, October 17, 2015 at 9:00 a.m.

Perkins on University Ave., east of Snelling Ave., St. Paul.

Everyone is welcome!

Circuit Builders  
11:00 a.m. after the breakfast  
415 OSS St. Thomas U.

A core of attendees (Art T, Sue L, Jay M, John F and me) make most of the meetings. We gather around 9:00, drink coffee for a bit, order breakfast (Dutch treat, of course), eat and, in our discussions, solve all of the problems of the world by about 10:15 - 10:30. Some conversations are radio

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### Dale's Details

#### Dale Maroushek, NØPEY

November's program about Bletchley Park should be very interesting. That was the allies starting place for COMINT and SIGINT (communication and signal intelligence gathering and deciphering). By the time I got into that business in the late 60s, it was a huge worldwide multi-country-connected operation with HQs at NSA, GCHQ, Australia, Japan and Israel for the big ones. Of course, the Communist countries were doing the same thing to us.

December's holiday party will be a three-pronged event. The food and pot luck of course--be sure you attend hungry. Bring a bag of radio related stuff that you want to part with, and take one home from someone else in the bag-swap event. You may bring more than one bag to let others play along with the rest. Then Orcy (WØQT) will advise us how she organizes a Ham event, so that others may take a shot at leading something. The Club is happy to help anyone with an idea for an event with guidance and money if needed, but we are not going to do it for you.

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The OWS building is located on the University of St. Thomas (UST) South Campus.

From I-94, take Cretin Ave south about a mile to Grand Ave. Turn right, then park in the ramp on your left or the surface lot on the right. In general, on-campus parking restrictions are not en-

forced after 6:00 p.m. on Fridays, but do not park in spots with parking meters unless paying or displaying a handicapped placard.

Enter the building just north of the parking ramp and take the elevator (in the hallway to the right) or stairs to the lower level. LL54 is not far

from the stairs.

For detailed maps, see [www.stthomas.edu/campusmaps](http://www.stthomas.edu/campusmaps).

OWS: Owens Science Hall

Contact Kim Schumann in Disability Services at 651-962-6315 or [kjschumann@stthomas.edu](mailto:kjschumann@stthomas.edu) for any accessibility requests.

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themes, but they range over practically everything else too.

The October breakfast was rewarding to the club--we are gaining a new member. Nate B., a newly-licensed Technician (license was issued 10/14/2015) joined us and had a "zillion" questions. We did our collective best to help him, and he is sending in an application to join us. I especially enjoyed his enthusiasm for ham radio and expect him to rise through the ranks quickly as he explores all of the options open to him at each license level.

The next breakfast meeting is November 21. The coffee is on, the food is delicious, and the company would all love to have you join us.

George, KØGCP

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January 30<sup>th</sup> is the auction, as listed on the flyer.

Who's got the money? A year plus back, when Rainbow sold out to Cub/Byerly's/Lunds and other investors, here in Maplewood at Hwy 36 and White Bear Ave. they remodeled the Rainbow on the west side pretty much making it into a Cub without the customers. To say the least, it is the place to go for easy grocery shopping. They put the old Cub Dollar section back into this one when they took it out of the Cub across the street to the east. What I'm trying to say is, we have Cub and a Rainbow across corners from each other.

At that time Cub also remodeled the Rainbow in Oakdale into a better Cub store.

And last month Cub remodeled the Meat Department at the White Bear Ave. store and did an entire reset of groceries, makes shopping more interesting for me.

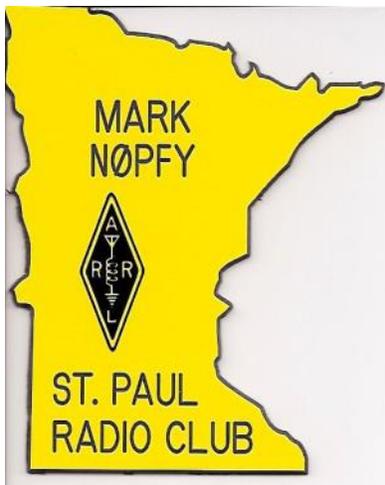
So, K-Mart goes belly up and closes the White Bear (just north of 694 west of White Bear Ave) and Oakdale

(just west of 694 on 10<sup>th</sup> St in Oakdale) stores. White Bear sat empty for a long time, then demolition started taking down most of it. Found out they will be building a new Cub store and other retail stores there. Just 1+ mile from the Cub/Rainbow corner at Hwy 36!

In the meantime, our friends at Hy-Vee built 2 stores with 7 more planned, one being across the street from the Oakdale Rainbow now remodeled Cub. In today's paper I find that our friends at Cub will be remodeling (rebuilding probably) the old Oakdale K-Mart into a new bigger, better Cub fighting for presence with the new Hy-Vee!

I toured the Hy Vee last night on my way back from a Tartan Park trailer packing party. This place is hard to believe, it's HUGE, has more Departments than even Lunds & Byerlys. For more in-depth information go to <https://www.hy-vee.com/stores/detail.aspx?s=1509>. Just look at all the things to do and eat, plus it has a Beauty section for the ladies and a fuel station out front.

Dale, NØPEY



### SPRC Name/Call Badge

Badges are available from Tag-Me Engraving for \$9.00 plus shipping and tax (They accept PayPal).

[www.tagme-engraving.com](http://www.tagme-engraving.com)  
Click "Name Tags" then "St. Paul Radio"

## Did You Know Roy Shodin, WØHRH?

I am a Ham of 47 years and I collect and enjoy older gear. Recently a beautiful 1929 High-C Hartley transmitter came into my possession from Bill, WØWOI, another OT collector/restorer. He was concerned about what might become of it if anything happened to him--a prescient concern considering that he has had two serious heart attacks in the few months since he sent it to me.

Bill has already told me the few details he knows about the rig and its builder--Roy Shodin, WØHRH of Minneapolis. Roy went SK about a decade ago. I am writing in the hope that somebody in the club knew Roy and can tell me more about him and hopefully about his old Hartley. I feel strongly that maintaining the connection between classic homebrew gear and its builder is the most important responsibility of the restorer.

I recently retired from Lowell Observatory where I have designed and built instrumentation and telescope control systems for the last 35 years. I have restored another 1929 Hi-C Hartley; this one built by my father when he was 16. See Electric Radio, December 1998, for details if interested. Dad's rig was a basket case; Roy's appears to be complete. I will check the components and connections, then try it on the air.

Thanks for your kind attention; any help in documenting this beautiful old classic will be deeply appreciated

73, Rich Oliver KC9GQ  
[rc@lowell.edu](mailto:rc@lowell.edu)



## Membership Meeting October 2, 2015

No one from the UST Radio Club was present at 7:30 p.m.

George Power (KØGCP) called the SPRC Membership Meeting to order at 7:31 p.m.

Everyone was invited to introduce themselves. 29 members and two guests were present.

Secretary's Report: There was no September board meeting and the general membership meeting minutes will be posted in the October Ground Wave when it comes out. We've had production problems which we are working to correct.

Treasurer's Report: Allan Klein (WØNLY) reported that we are in good shape, with \$3850 in the general fund, \$1200 in the repeater fund, and \$922 in the education fund.

Committee Reports:

Membership—Dale Maroushek (NØPEY) reported that he has received 75 applications for the 2015-2016 year.

Circuit Builders—Orcy Lyle (WØQT) will hold the CB session tomorrow (10/3) in OSS415.

VE Exams—Leon Dill (WØCOE) reported that the Sept exam had 6 candidates passing, and that the next exam is tomorrow (October 3rd).

Old Business:

Repeater Group—Terry Londroche (NØGOI) and Joe Zwirn (WØXL) have been working on the problems with our noisy repeater, which seems to be influenced by a noisy radio-frequency emission in the engineering classroom. Terry asked that we all monitor both the repeater's input (144.71) and output frequencies (145.31) for noise, and to call him at 651-308-3441 if any problems are detected.

We also have multiple leaks in the

repeater room ceiling, and Terry volunteered to get some plastic and make a cover for the repeater. (We authorized reimbursement for his expenses.) The UST building people know about the leaks (which are in several areas on the 4th floor of OSS).

Terry also mentioned that he has his North Branch MAGIC repeater on the air now, and encouraged us to use it.

New Business:

Mining Club—Ron (KØRJW), Leon, Dale, and Ed (WBØVHF) gave the club an update on the Mining Radio Club's progress with the move from Tartan Park to Area 31 in Cottage Grove. The club has to be clear of Tartan Park by November 1st and as usual, progress is driven by available funding for the move and the building of a new shack. They appreciate the SPRC's willingness to help them with the move.

Future programs—November: Clarence Netwal (K9ELX) on Bletchley Park; December: Christmas party and White Elephant Exchange, Orcy's talk about organizing special events.

George handed out 3x5 cards, for a quick survey: The question was: "What do you want to see covered in future programs, and who do you know who can present the program?"

The Business meeting was adjourned at 7:55 p.m., followed by a break.

Orcy introduced Art Thell (NØIWQ), a long-time member of the club who usually comes to the breakfast meetings (3rd Saturdays at Perkin's in Midway). He presented a PowerPoint on his experiences in developing working OCF antennas and how he put his antennas in small spaces.

The meeting closed with the raffle and ended at 8:50PM.

### Have You Renewed?

Please complete a membership application and bring it to the meeting or mail it to the PO box.

## Board Meeting October 9, 2015

George called the meeting to order at 7:06 p.m. in room OSS 105

### BOARD MEMBERS PRESENT:

George Power (KØGCP) President  
John Faughn (KDØCAC) Vice Pres.  
Don Kelly (WA6ZMT) Secretary (briefly by telephone)  
Dale Maroushek (NØPEY) Past Pres.  
Orcy Lyle (WØQT) Member at Large

### BOARD MEMBERS NOT PRESENT:

Allan Klein (WØNLY) Treasurer  
Mike Thompson (AEØMT) Member at Large

### COMMITTEE CHAIRS AND OTHER INTERESTED MEMBERS PRESENT:

Jay Maher (NJØM)

Upcoming Programs—November 6: Clarence Netwal (K9ELX), on a visit to Blechley Park. George will call Clarence for a bio for the GW. December 4: Orcy, on How to organize a special event, and the X-mas party with food and a simplified White Elephant Exchange (stuff that is radio related, light hearted). Survey results were discussed.

Licensing Classes—List of YouTube videos to use instead of classes. We will use David Casler's (KEØOG) video series as our instruction mode, and rather than list each video, we will direct queries to David Casler's site at: <https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>, which lists all of his videos. He has 39 videos covering the Technician license, 37 on the General license, and 41 on the Extra license. He also has ten videos covering topics that have generated questions, in his "Ask Dave" section.

We will publicize the series in our Ground Wave newsletter, flyers at hamfests, Radio City, and links on our SPRC website.

We intend to support the videos with mentoring, and George is calling our current mentors and class teachers to

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update the mentor list.

VE report—Leon will send compiled totals from 2014-2015 next week.

Auction—We need to decide whether to use Dallas' program (requires MS Access and someone to understand it) or software from Internet. The auction users should make that decision (Don, Allan, Jay, George). Dale has confirmed the use of Our Lady of Guadalupe as our auction site.

Club repeater—The repeater is still having erratic noise bursts (QRM, which creates a feedback loop) from something in the school's lab envi-

ronment (or nearby), and Terry Londroche (NØGOI), Joe Zwirn (WØXL), John Faughn and Tom Sturm are working on tracking down the problem(s).

We also have water leaks in the ceiling where the repeater is setup. UST knows about the water problem (they have several roof leaks), but our temporary fix had Terry building a plastic tent-like cover for the repeater.

Terry will represent us at the next MN Repeater Council meeting, 10/24/2015.

Remote Operation at UST—The UST Club has a FT-1000 Mark V HF

radio, and we will work with Tom Sturm (NØBGO) to locate a place for it.

ARRL—ARRL is sending us a "ARRL SPECIAL SERVICE CLUB" banner flag for display at functions.

Meeting Frequency—We talked about how often should the board meet, and decided to keep the monthly schedule (during the academic calendar year), with the options of cancelling or switching to email if a lack of business warrants the change.

The meeting was adjourned at 8:00 p.m.

Fri Nov 6	7PM Socializing followed by 7:30 PM SPRC Membership meeting. UST classroom OWS LL-54. See page 1.
Sat Nov 7	10AM VE testing. Ramsey Cty Library, 3025 Southlawn Dr., Maplewood. Contact Leon Dill, WØCOE@arrl.net or 651-688-9964
Sat Nov 7	9AM Circuit Builders. OSS 415 UST Campus*
Fri Nov 13	7PM SPRC Board meeting, OSS 121 UST campus (Alternate location is OSS 415) **
Sat Nov 14	9AM Circuit Builders. OSS 415 UST Campus*
Sat Nov 21	9AM SPRC breakfast. Midway Perkins on University Ave east of Snelling.
Sat Nov 21	After Breakfast. Circuit Builders. OSS 415 UST Campus*
Sat Nov 28	9AM Circuit Builders. OSS 415 UST Campus*
Fri Dec 4	7PM Socializing followed by 7:30 PM SPRC Membership meeting and Holiday Party. UST classroom OWS LL-54.
Sat Dec 5	10AM VE testing. Ramsey Cty Library, 3025 Southlawn Dr., Maplewood. Contact Leon Dill, WØCOE@arrl.net or 651-688-9964
Sat Dec 5	9AM Circuit Builders. OSS 415 UST Campus*
Fri Dec 11	7PM SPRC Board meeting, OSS 121 UST campus (Alternate location is OSS 415) **
Sat Dec 12	9AM Circuit Builders. OSS 415 UST Campus*
Sat Dec 19	9AM SPRC breakfast. Midway Perkins on University Ave east of Snelling.
Sat Dec 19	After Breakfast. Circuit Builders. OSS 415 UST Campus*
Sat Dec 26	9AM Circuit Builders. OSS 415 UST Campus*

\*Circuit Builders is each Saturday morning if someone is available to open the lab and there is no conflicting activity. Check the SPRCCB Google Group to confirm that the lab will be open.

\*\* Depending on business to be considered, Board Meetings are sometimes held electronically. Check with an officer or board member to confirm that the meeting will be at UST.