



Saint Paul Radio Club, Inc.

www.stpaulradioclub.org

The Ground Wave

Field Day, June 2008



What's New This Year?

Computer aided CW operation—you still have to copy by ear, but keyboard response and control. Builds the rate up to 50 to 70 QSO's per hour when calling. This is available to Phone and digital ops if the Chairs plan ahead and have the interface cables and wav files ready to install with the N3FJP logging software and their radios.

Sounds like some new antenna control is going in at the Phone Station, which will be in an air-conditioned RV this year.

Logging will be on a WiFi network so you can see what bands our stations are on.

Both generators will have 12-gallon gas tanks so no manual refueling in the dark.

The RV has an oven and a microwave for added food preparation adventures.

My son Kirk will bring out his telescope for star spotting fun, see the Martians before they land.

Surprise desserts will be served with the big meal.

Field Day 2008—Are You Ready?

The best Amateur Radio event of the year is coming up on June 28 and 29th. To get the full experience, it really begins to take shape on Friday the 27th about 1500 hrs. That's when the setup crews from SPRC and the Mining RC converge on the Tartan Park site in Lake Elmo and perform the magic that makes it happen. Towers and beams are put together and erected, Wire antennas are strung around available supports. Shelters are set in place and supplied with electricity and coax ends. Our portable food service is established.

We have an additional feature this year; you are all invited out on Saturday night for the SPRC Picnic feast. See the article on page 2 by Jay Maher, NJØM, will tell you more about that later.

The site is handicapped-accessible with full indoor restrooms and showers.

Food and drinks all the time, anytime, with some new variations.

Campfire in a Can and TV for the evening entertainment, BYO adult beverages.

Breakfast cooked to order 0830 to 1000 both Saturday and Sunday.

The air-conditioned Mining station trailer down the road is available to sleepover. Bring your own bedding.

We start the shut down process after breakfast Sunday and always need extra helpers during this time. Before the operation ends at 1300 everything that can be is consolidated and staged for loading. After closing, the computers are collected and everything else is taken down and put away, usually 3 to 4 hours work.

Now that you are ready to jump in and become part of the fun, please contact the chair people and let them know you are ready. Our final planning meeting will be on June 17th, 1900 at the Tartan Park WØMR station trailer, see the maps or call for directions.

To get involved, contact one of the volunteers below.

FD Chair, James Klassen KBØUAZ, kb0uaz@yahoo.com
CW Chair, John Warinsky K9NJ, k9nj@arrl.net
SSB Chair, Lou Sica ACØX, ac0x@ac0x.com
Digital Chair, Orcy Lyle WØQT, olyle@usfamily.net
GOTA Chair, Ron Walkinshaw, KØRJW rjwalkinshaw@mmm.com
Food Chair, Dale Maroushek NØPEY, n0pey@arrl.net
Education Chair, Allan Klein, WØNLY allankmn@cs.com
VHF/UHF Chair, Dallas Fogg, NØLKD dfogg@scc.net

Saint Paul Radio Club Picnic Supper

What could be better than a picnic in June? Combining the club picnic with Field Day! This year we will be hosting the Annual SPRC Picnic on Saturday, June 28th, at the Field Day site in Tartan Park. **Skip Jackson, KSØJ**, might not be there, but thanks to a special non-disclosure licensing agreement, his famous spaghetti and meatball supper will be served along with an assortment of side dishes and drinks. **Allan Klein, WØNLY**, will be providing his soon-to-be famous corn pudding and we'll have a secret dessert.

The site has plenty of space and playground facilities so bring the kids if you have them. Everyone is welcome. Food will be served at 1800 but remember, this is Field Day Weekend so there will be lots of activity all day. If you don't normally come to Field Day, this is your chance to check it out. Come early and stay late! Just make sure to come. Directions to the site are included with the Field Day information in this GW. If you have any questions, please contact Jay Maher (NJØM), at jay@umn.edu.

Capital Classic Bike Race for Autism

Dale Maroushek, NØPEY

The Capitol Classic Bike Race for Autism is alive and well! We have furnished backup communications using a simplex 2 meter net for them the past two years. This year it will be on Sunday July 27th, and it goes all day—so the more helpers the shorter the shift. Very easy job: sit on the corners and react to crashes or problems. Lunch will be provided, but personal snacks and liquids are ideal along with rain gear and/or sunscreen). Come spend the day in front of the Capitol, support the fight against Autism, enjoy the races and other events. Please contact Dale, NØpey@arrl.net, 651-238-5720 if you can be there. Thank you.



An Educational Time at Washington Technology Middle School

On June 2, The St. Paul Radio Club wound up its five-month pilot project with Washington Technology Middle School on the City's North End. Since January, numerous club members have worked with seventh- and eighth-grade students in a weekly after-school program. The students talked on the radio, built projects and learned about basic electronics and wireless communications. The SPRC club members learned about youngsters' attention spans, the importance of visual aids for kids who don't necessarily speak English at home, and what a joy it is to watch a child succeed at something.

Many club members participated in one way or another. **Twila Greenheck, NØJPH**, and **Allan Klein, WØNLY**, were the ringleaders, with one or both of them at the school every Monday and other days. **Don Greenheck, NØJPG**, restored and installed the Club's Butternut vertical on the school roof, and his wood-working skills were used to build a variety of items for the students. **Mert**

Nellis, WØUFO; **Steve Huntsman, AAØP**; **Jay Maher, NJØM**; **Jay Bellows, KØQB**; **Keith Miller, AGØH**; **John Hunt, KGØJD**; **Manny Block, WØPIG**; and **Don Greenheck** provided one-on-one mentoring to the students as they built (and debugged) their projects. **Mert Nellis** and **Jay Maher** even took students' projects home and debugged and repaired them before the next class. **Steve Huntsman** built one of the projects in advance so he could explain some of the pitfalls and complications to the students before they started building. **Brian McInerney, NØBM**; **Fred Christensen, KCØOQQ**; and **Dawn Holmberg, WXØZ**, stood by on their radios, providing QSOs and on-the-air encouragement as the kids overcame their mike fright and conversed with them. **Tom Menas, K3WT**, and **Orcy Lyle, WØQT**, also helped the kids with operating and building. **Jay Bellows** explained basic electronics and amateur radio to the students and their teachers.

The students built three projects. First they built a digital

clock on circuit boards provided by **Mark Spencer, WA8SM**, ARRL Education and Technology Program Manager. Then they built a "Voice Changer," from a kit--which probably drove their parents wild because it changed the kids' voices into monsters and robots, all with plenty of audio power to drive a small speaker. Finally, they built a six-transistor superhet AM radio kit that had also enough au-

dio output to provide plenty of volume from the speaker.

The students had fun talking on both HF and 2 Meters. They also participated in the ARRL's School Roundup Event, making contacts with students in other school radio clubs. Their efforts will appear in an upcoming issue of QST.

The FCC assigned the call of **KDØCNH** to the **Washington Mid-**

dle School Radio Club, and the lead science teacher, **Denise Kapler**, took her Technician exam and is now **KDØCOT**. She will be going to Newington for one week later this summer to participate in the ARRL Teachers Institute. The Washington Middle School Radio Club became the first school in Minnesota to be awarded an ARRL "Big Project" Education and Technology Program grant. The grant will provide a basic HF and VHF station for the school, along with additional educational support for the teachers.

The St. Paul Radio Club has been given lots of recognition for this effort. A Washington School Volunteer Appreciation and Grand Reopening Celebration was held in June with many dignitaries in attendance to celebrate the 17-million-dollar remodel of the school. At that celebration the school Radio Club was given mention and praise several times. The Washington Middle School Radio Club was also highlighted in an exhibit at St. Paul College with top state educators attending (including the University of Minnesota President) to learn of various ongoing educational activities in the St. Paul School District. It's good to see amateur radio getting a bit of limelight--as well as St. Paul Radio Club.



Membership Meeting Minutes (Summary) Friday, May 2nd, 2008

The Treasurer reported that the Club is in good financial shape and membership is at 108. Twila Greenheck, NØJPH, reported on the Washington Middle school radio project. Thank you was passed on to all the members that helped make this work. They are going on the air on Monday afternoons and building AM radio kits. Plan ahead for the Dakota Division Convention in Rochester, MN. August 8-10. Watch for further developments. The MPLS Rowing Club was looking for event radio helpers during their June 14th races. I was looking for eight volunteers and only got four. We respectfully passed on the request. Jay Bellow, KØQB, Dakota Division Director, presented a BPL update with the latest news from the ARRL, FCC and the courts. Texas BPL has dropped out. James Maher, NJØM is working on getting a Club Picnic going for this year. Field Day, our next big operating event was talked about. Without an official chairperson and limited input from the Mining Club, we can only confirm what we are sure of at this point. Ralph is bringing the big tower and beam system for SSB, CW will also have the tower and beam and big loop like last year. Orcy is doing the digital station again. GOTA can now have 6 Meters and it will. Dale, Fred, Jay and Allan will feed the participants and guests. Now we just need to confirm people to positions of responsibility and it will all work out. If you can help anytime during June 27 thru 29, let us know. Officer elections: The slate of candidates was presented and no future nominations were heard. A motion to unanimously elect the slate was presented, seconded and passed. Our new Officers are: President: Dale Maroushek, NØPEY, Vice-President: James Klassen, KBØUAZ, Secretary: Jeffery Iverson, WB9DAN, Treasurer: Allan Klein, WØNLY.



Hot off the wire—**Skip Jackson, KSØJ**, has recently been re-elected to his second term as ARRL Section Manager. Congratulations Skip!

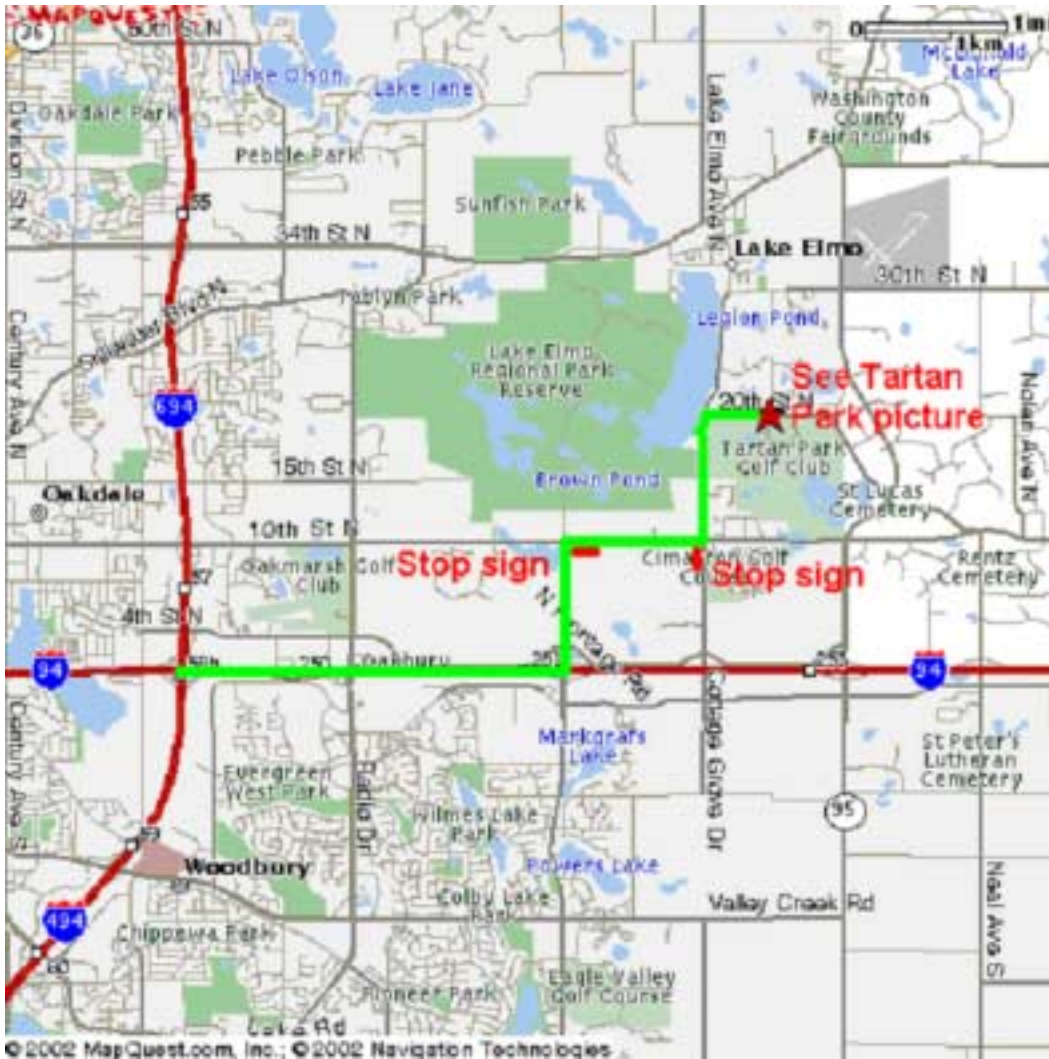
Field Day and Picnic Directions

From the west or south:

Green route, take Co Rd 19/Keats Ave exit off I-94 East, turn left/north onto Keats. Go to the first stop sign which will be 10th Street and go right/east. Go to the first stop sign on 10th which will be Co Rd 17 and go left/north. About a mile north the speed limit will change to 45 MPH and the road will bend and drop as you approach a lake on your left – 20th Street will be on your right/east. Go down 20th Street to the first right – the sign will list “Picnic”, among other things. Follow the “Field Day” signs on the yellow route (lower map) to the site.

From the east: From I-94 West, exit on Co Rd 13/ Manning Ave, take a right/north onto Manning Ave for about 1.4 miles, take a left onto Manning Trail and in about .6 miles take a left onto 20th Street. Go to the second available left (at the “Picnic” sign) and follow the “Field Day” signs on the yellow route (lower map) to the site.

From the north: Either go down to I-94 and follow the green route (see first instructions, above), or from I-694 East/South, exit on Hwy 5 and go east. In the town of Lake Elmo, turn right/south onto Co Rd 17/ Lake Elmo Ave and proceed about 2 miles to 20th Street. Go left/east onto 20th and go to the first right – at the “Picnic” sign. Follow the “Field Day” signs on the yellow route (lower map) to the site.



The St. Paul Radio Club, Inc., has served the amateurs of this area since 1931 except between 1941-45 when most of the members were in the military service. The first issue of *The Ground Wave* was published in November 1938, under editor Frank Vowles, W9BBL. The club call is KØAGF issued in 1956.

Club Meetings are held monthly (except June, July and August), generally on the First Friday at 7:30 p.m. Consult current Ground Wave or club website for meeting location. Social time 7-7:30 p.m. If you have any interest in radio communications, whether you are licensed or not, please accept this cordial invitation to join us as a member or come visit us at one of our meetings or events. All are welcome!

Individual or family dues are \$20.00 per year payable on September 1; new members joining in mid-year are prorated. Student dues are \$10.00 per year. Children 18 and under are free.

The St. Paul Radio Club's "Friendly Net", an informal get acquainted net, meets at 8:00 p.m. every Wednesday on 28.310 MHz.

Want Ads... The Ground Wave solicits your want ads...free to club members, \$1.00 to others.

Free Classes... SPRC conducts free classes in Code and Theory between September and May for Technician and General licenses.

The Mission of *The Ground Wave* is to bring a good blend of local, national and world news affecting amateurs in addition to technical knowledge, club events and humor. The editor solicits your letters, knowledge and first-hand experiences and stories for future articles.

The St. Paul Radio Club is affiliated with the ARRL.



VHF NETS

145.17 MAGIC Repeater Net Saturday 7:00 p.m.
146.76 Saturday Swap Shop Saturday 9:30 a.m.
146.85 MARA Bulletin Board Sunday 7:00 p.m.
145.31 SPRC 2 meter Net Wednesday 7:00 p.m.

HF NETS

28.310 SPRC Friendly Net Wednesday 8:00 p.m.
3.860 Minnesota State Phone Net Noon and 5:30 p.m. daily
3.860 Minnesota ARES Net 6:00 p.m.
3.710 Minnesota Slow Speed CW Net 6:00 p.m. daily
3.605 MN State CW Traffic Net 6:30 p.m. and 9:50 p.m. daily
3.925 MN PICO Net 9-Noon Mon-Sat, 3-5 p.m. Mon-Fri

ST PAUL RADIO CLUB REPEATER KØAGF 145.31 – 600 Open access no tone

ST. PAUL RADIO CLUB VOLUNTEERS

President	Dale Maroushek	NØPEY	651 777-5309	president	To send email to these club volunteers, use the prefix listed followed by an at-sign and "stpaulradio.org" (note: The word "club" is not included)
Vice President	James Klassen	KBØUAZ	651 451-8612	vp	
Treasurer	Allan Klein	WØONLY	651 291-8815	treasurer	
Secretary	Jeff Iverson	WB9DAN	763 560-4458	secretary	
Board of Directors	Don Greenheck Skip Jackson Orcena (Orcy) Lyle	NØJPG KSØJ WØQT	651 483-1214 651 451-2313 612 827-2707	n0jpg ks0j w0qt	
Membership Chair	Steve Huntsman	AAØP	952 894-3341	membership	
Membership Registrar	Skip Jackson	KSØJ	651 451-2313	registrar	
Call Trustee	Tom Sturm	NØBGO	651 699-4270	trustee	
Education Coordinator	Allan Klein	WØONLY	651 291-8815	education	
VE Exams	David Buending	AD2B	952 486-0836	ve	
Ground Wave Editor	Don Kelly	WA6ZMT	952 474-2766	editor	
Club Historian	Joe Zwirn James Klassen	WØXL KBØUAZ	651 483-4784 651 451-8612	historian vp	
Field Day	James Klassen	KBØUAZ	651 451-8612	fieldday	
Parliamentarian	Tom Sturm	NØBGO	651 699-4270	parliamentarian	
Annual Banquet/Picnic Coordinator	Jay Maher	NJØM	612 850-0810	banquetpicnic	
January Auction	Coordinated by the board			auction	
Refreshment Coordinator	Jay Maher	NJØM	612 850-0810	refreshments	
Skywarn	Dallas Fogg	NØLKD	651 644-2361	skywarn	
Door Prizes/Drawings	John Hunt, Chair Tom Bredemus	KGØJD KCØINP	651 647-1341 651 414-5535	doorprizes kc0inp	
Member Technical Assistance	Brian McInerney	NØBM	651 738-5932	technical	
Circuit Builders Chair	Jake Jacobson	NØEIZ	651 554-0441	circuitbuilders	
Friendly Net	Marty Gammel	KAØNAN	651 646-5428	friendlynet	
2 Meter Net	Andy Lokken	KØAJL	651 224-5553	2mnet	
Repeater Committee	Joe Zwirn, Chair Tom Sturm Skip Jackson Keith Miller Joe Kreitzer Jeff Iverson	WØXL NØBGO KSØJ AGØH KCØJK WB9DAN	651 483-4784 651 699-4270 651 451-2313 651 777-0109 651 785-9402 763 560-4458	repeater trustee ks0j ag0h kc0jk wb9dan	
University of St Thomas Liason	Tom Sturm	NØBGO	651 699-4270	ustliason	
Webmaster	Orcena (Orcy) Lyle	WØQT	612 827-2707	webmaster	

DAKOTA DIVISION ARRL OFFICERS

Director	Jay Bellows	KØQB	651 222-7253	k0qb@arrl.org
Vice Director	Greg Widin	KØGW	651 436-8811	k0gw@arrl.org
Asst. Directors	Michael Siegelman Brian McInerney	KØBUD NØBM	612 542-8450 651 738-5932	n0oel@aol.com briann0bm@aol.com
MN Section Manager	Richard (Skip) Jackson	KSØJ	651 451-2313	ks0j@arrl.org

St. Paul Radio Club - Summary Calendar of Events

Sat May 17 11am SPRC Circuit Builders. University of St. Thomas OSS 415*

Sat Jun 21 9am St. Paul Radio Club Breakfast. Perkins Midway on University east of Snelling

Jun 27-29 Field Day—see page 1

Sat Jun 28 SPRC Picnic—see page 2

Sat Jul 12 9am - 1pm Brainerd Area Hamfest www.brainerdham.org/

Sat Jul 19 9am St. Paul Radio Club Breakfast. Perkins Midway on University east of Snelling

Sat Jul 26 8am - noon. Fifth Annual MAGIC REPEATER Yard Sale. www.magicrepeater.net/marty.htm

Sun Jul 27 8am-5pm Capitol Classic Bike Race for Autism (see page 2)

Aug 8-10 Rochester Amateur Radio Expo and Dakota Division Convention. www.rarchams.org

Sat Aug 16 9am St. Paul Radio Club Breakfast. Perkins Midway on University east of Snelling

*** Check the SPRCCB Yahoo group or contact Jake at [circuitbuilders](#) (see page 7) to confirm CB schedule.**

NOTE: The dates listed above for VE exams are the usual session dates for each VE team; occasionally sessions are canceled or changed. We urge our readers to call the contact number to confirm the test time, place and space.

The calendar is provided as a service to our readers; the St. Paul Radio Club is not responsible for errors or omissions.

To list your general interest amateur event in the calendar, contact the editor. Priority given to SPRC events, area events and national/international events in that order, space permitting.

Field Day and SPRC Picnic—see page 1.

ADDRESS CORRECTION REQUESTED

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