



Saint Paul Radio Club, Inc.

www.stpaulradioclub.org

The Ground Wave

January 2008

2007 Member of the Year Dallas Fogg, NØLKD

Dallas Fogg, NØLKD, was presented with a certificate as St. Paul Radio Club **2008 Member of the Year** at the December 2007 meeting of the SPRC.

Dallas has contributed to SPRC in many ways over the years, including as Vice-President, Board Member-at-Large, and Refreshment Committee Chair. He has been SPRC Skywarn Chair for several years, and will coordinate the upcoming Skywarn class in March 2008. He developed a computer system for tracking buyers and sellers at the Annual Auction, thus eliminating long lines and waiting after the Auction by swiftly bringing up buyers' and sellers' information as they check out. He has served on the Field Day Committee, including helping with setup and takedown, as well as serving as an expert on SPRC's Field Day equipment.

Congratulations Dallas! The St. Paul Radio Club appreciates everything you have done for the club.

SPRC email Addresses

Due to too much spam to the email addresses (at) stpaulradioclub (dot) org, the email addresses are being migrated to the same "function name" (at) stpaulradio (dot) org (see *Nooz from the Prez* on page 2). Until that's working, the volunteer's call (at) arrl (dot) net works for many of us.

New Member

A hearty welcome to our
new member

Robin Wicks, ACØJS
Minneapolis

Saint Paul Radio Club Auction



Friday, January 4th, 2008

Setup 6:30 - 7:30 p.m. — Auction starts 7:30 p.m.

University of St. Thomas

Murray-Herrick Campus Center room 304

Again this year, the Auction will have the speedy checkout system computerized by **Dallas Fogg, NØLKD**, with **Dale Maroushek, NØPEY**, using his backup system. Our ever-popular auctioneers have been invited back: **Jay Bellows, KØQB**, **Mike Sigelman, KØBUD**, **Tom Sturm, NØBGO**, and **Brian McInerney, NØBM**. There will be a refreshment table.

If you have a lot of Auction stuff to unload/load, use the loading dock right by the elevator to the third floor—see directions below.

Rules Summary

You may set a minimum price for your items.

The SPRC collects 10% of the sale price, up to a maximum of \$10.

You may donate items to the SPRC to sell.

Unsold items must be taken home by the seller.

THERE IS NO CHARGE FOR BUYERS.

(please see additional rules on page 2)

Directions to Meeting: Take the Cretin-Vandalia exit from I94 and take Cretin Ave six blocks south to the St. Thomas campus. Murray-Herrick Campus Center (MHCC), the site of the meeting, is off of Cleveland Ave. South, which is two blocks east of Cretin. Enter parking lot G from Cleveland Ave South, between Ashland and Portland Ave. MHCC is the building at the end of the parking lot. Room 304 is in the old part of MHC, to the left (south end of the building). Take the sidewalk to the left from the parking lot and go in the back door of MHC (east side of bldg), go through two sets of double doors and turn right through more doors to the elevator. Take the elevator to Room 304. Be sure to take the elevator in the old part of the bldg; the elevator in the new part of the bldg does not go to Room 304.

Parking permits are not needed after 6 pm on Fridays in the red and yellow lots.

Maps are available at www.stthomas.edu/campusmaps/stpaul.asp. The color version is easier to read but takes longer to download than the black and white version. MHC is #5 on the map; the most convenient parking (and access to the dock) is lot G..

Monitor the club repeater, KØAGF, for talk-in help. 145.31—no tone needed

NOOZ from the PREZ

The renewed interest in training new hams has spread to unlikely places. The Minneapolis VA Hospital recently staged a two-day Technician License course, on the weekend of December 8th and 9th. The course was organized in response to requests from hospital administrators to train and license hospital staff to be able to use the ham radio equipment recently deployed to hospitals across the TC metro area.

Organizers were **David Adriansen, KDØCKC**, Emergency Coordinator at the Minneapaulis VA Hospital and **Leo Bosard, W9IXI**, from Mankato, which sent a contingent of students to the course. Andriansen gained his ham license after taking this course that he organized.

The Bloomington club has had experience doing two-day Technician courses and was a model for the VA course. The format involves teaching the correct answers to the test questions, with an explanation as to why the answers are correct. 46 out of 49 students passed the Tech. test, which was given at the end of the course.

Various people taught the course, including SPRC Education Coordinator, **Allan Klein, WØNLY**, who did an excellent job (I happened to observe part of the section that he taught).

Radio clubs had the opportunity to put in a word for their clubs during the class. Allan called me and invited me to come say a few words about SPRC. I hurriedly wrote up a flyer extolling the virtues of the St. Paul Radio Club, ran to Kinko's to get 50 copies made, and took them to the class at the time that Allan specified. The flyer appears elsewhere in this *Ground Wave*. I briefly talked to the class about clubs in general and SPRC in particular. Every student received a SPRC flyer. SPRC was the only radio club to give a presentation about its club..

It was inspiring to see almost 50 people giving up an entire weekend in December, on two of the coldest days of the year, to learn about ham radio. In our

October 2007 SPRC meeting, MN Section Manager **Skip Jackson, KSØJ**, told us that area hospitals are looking for ham volunteers to show new hams on their staffs how to use the equipment. Tell Skip if you wish to do this at a hospital and he will relay the message to the hospital that expressed interest. I have volunteered to help at Fairview Southdale Hospital, which is 3½ miles from where I live.

SPRC email addresses of officers/volunteers are in flux. The addresses aren't working at the moment because I deleted them, for the reason explained below.

I had rearranged the way the email addresses were presented on the SPRC website, so that it would not be possible for them to be harvested by spammers. I did this too late. I suddenly started receiving a lot of spam, which I traced to my SPRC addresses for prez and webmaster. For about half the spam, it was mentioned in the subject line things such as health insurance, foreclosure listings, makeup kits, watches for sale, buying your house. The other half had subject lines which did not refer to the content of the messages. I don't open spam so I don't know what they involved. To find what addresses were used in sending the spam to me, I right-clicked, then clicked on Properties, then on Details. The address that the message is sent to is given there.

I could add a second domain to the website, free for a year, so I have done that. Next I need to get that domain into the email setup program and redo all the email addresses. I will present them in a way which will not be harvestable by spammers (I hope).

I'm looking forward to our **Annual Auction** January 4th (yes, it will be 2008 already). Either grab the old equipment and attractive junkie that you no longer have a need for and bring it to the Auction to sell (to get \$\$\$\$), or come to the Auction to see what you might want to buy. The FM Club is having their ham jam and flea market on January 8th. Come buy stuff at the SPRC Auction and sell it at the FM flea market!

St. Paul Radio Club Auction Rules

As with any event involving the exchange of funds, there are certain rules to follow. Please read and familiarize yourself with these rules.

1. Registration of equipment and issuance of bidder numbers starts at 6:30 p.m. The auction will begin after a brief business meeting and continue until each lot is sold or until terminated by combined rulings of the SPRC President and Auction Committee (SPRC Board). Personal sales will not be permitted on the premises.

2. Equipment will be sold to the highest bidder. Lots not receiving the minimum bid will be returned to the seller without charge.

3. The St. Paul Radio Club and The University of St. Thomas will not be responsible for items lost, stolen, or damaged.

4. The St. Paul Radio Club reserves the right to limit quantities.

5. All buyer and seller transactions with the St. Paul Radio Club Treasurer must be completed on the day of the auction. No equipment will be allowed off the auction premises without proof of ownership.

6. Equipment registration will be limited to 20 lots per person and each lot will be sold for one price. Lots of similar equipment by the same seller may be combined by auction officials.

7. Equipment remaining on the auction premises 30 minutes after the auction closes will become property of the St. Paul Radio Club and will be disposed of accordingly unless prior arrangements are made with and are agreed upon by the Auction Committee.

8. Buyers must register and have a bidder's number. Bids cannot be ac-

cepted from persons not displaying a bidder's card.

9. Buyers will not be permitted to take possession of equipment without showing a properly marked receipt.

10. Buyers may be required to show proof of a current, valid Amateur Radio License for the purchase of transmitters and amplifiers.

11. Personal checks will be accepted with proper identification.

12. A 10% commission, to a maximum of \$10 per lot, will be charged to the seller. These funds will be donated to the ARRL Spectrum Defense Fund.

13. Sellers will be paid by check for sold equipment after the SPRC Treasurer receives payment from the buyer. To reduce payment waiting time, BUYERS are requested to pay for each item when purchased.

14. The St. Paul Radio Club does NOT warrant the condition of any item placed at auction.

Circuit Builders

It is the new year; a time for rebirth and renewed commitment. The Circuit Builders Forum is no exception. Now that the Holidays have passed, we are set to get running again. CBF will be doing it with a bang! Let's call it a Softrock Conference.

Many of the Softrock builders still have work to complete on their kits. I hope to have a handful of "experts" on hand on our usual meeting day; I have confirmed at least one person who can assist with nearly any problem you may be having with your project. I know I have at least one issue and look forward to seeking guidance.

There are a few in the group who have completed their kits. I'm hoping they will also be there to tell us how it is done. Additionally, the lab where we meet (if you didn't know already) has the testing

equipment we need to troubleshoot. This includes computers with SDR software and soundcards installed that can test the broadest parameters these kits are capable of. So bring your kit along and we can work together to get them done and working! Also, if you have any of the add-on interface kits, bring them. We can probably test them, too.

The Circuit Builders will meet Saturday, January 19th after the club breakfast (which is at Perkins in the Midway). We meet in OSS 415 on the University of St. Thomas campus at 11am. OSS is located on the SW corner of Cretin and Summit. Parking is in the lot one block west of Cretin at Grand.



Starting Saturday, January 5, 2008, MAGIC Repeaters will have a Ten Meter net on 28.350MC. It will start at 8pm on Saturday evenings. Called "The MAGIC Lakes Net," this net will follow the Two Meter net which is on 145.170 MC at 7pm Saturdays. The net control will be NØSBU, George. Hope to hear you there, 73.



From The Best of Beasley by Robert Beasley, K6BJH

This Space Available Contributions to the Ground Wave are always welcome

Send your report, story, monthly column, ad or whatever to Don Kelly:

dk@donkelly.biz or Fax: 651 842-1001 or
1547 University Ave W #350, St Paul MN 55104

SPRC Flyer

The flyer on the facing page was created for the purpose of promoting the St. Paul Radio Club. For an explanation of how the flyer came about, see the *NOOZ from the PREZ* column on page 2.

SARA Technician License Class

This spring the Stillwater Amateur Radio Association will again offer its free course for people interested in obtaining their Technician amateur radio licenses. We are using the new ARRL "Ham Radio License Manual". This new License Manual is more friendly than past versions, and groups questions by topic, rather than by their order in the question pool.

The Tech sessions will begin on Thursday, 6 March, and continue until early May, when we will hold the VE session. The date for the VE session isn't final yet, but it will be May 1 or 8.

Please share this info on the nets or with anyone who might be interested. Questions should be directed to KØGW or WØOXB at their arrl.net addresses.



2M Net Wednesdays
7:00 p.m. 145.310 MHz



Friendly Net Wednesdays
8:00 p.m. 28.310 MHz

St. Paul Radio Club Nets

The St. Paul Radio Club has two nets: The 2 meter net at 7:00 p.m. on Wednesdays on 145.310- MHz (no PL tone), coordinated by **Andy Lokken, KCØTUD**, followed by the "Friendly Net" at 8:00 p.m. ("pre-net" at 7:45 p.m.) on 28.310 MHz, hosted by **Marty Gammel, KAØNAN**.

Anyone wishing to serve as net control on either net, plz contact the relevant person via contact information on the Volunteer page of this *Ground Wave*. The 2 meter net takes place via the SPRC repeater, which is located at the University of St. Thomas in St. Paul. The 10 meter net takes place via ground wave, so needs to have NCOs who are centrally located in the Twin Cities Metro area.

St. Paul Radio Club Wear- ables

When people want to order a total of 10 items, we will put in an order. If you are interested in ordering Wearables, plz let **Orcy, WØQT**, know.



St. Paul Radio Club

The **St. Paul Radio Club (SPRC)** was founded in 1931. It is open to anyone interested in Amateur Radio (“Ham Radio”).

The St. Paul Radio Club offers:

- **Monthly meetings** (except in summer).
- Meeting **programs** on topics relevant to ham radio and related technology.
- **Monthly newsletter**, *The Ground Wave*.
- Ham radio license **classes** and EmComm (emergency communications) classes.
- **VE Exams** offered monthly (except July and August).
- **Circuit Builders Group** (building electronics projects).
- **Monthly breakfasts**.
- **Annual Auction** of ham radio and related equipment.
- **Annual Field Day**, in conjunction with the Mining Amateur Radio Club.
- **2 meter repeater**: KØAGF at 145.310- MHz, no PL tone.
- **Control Nets**: 2 meter Wednesday night net and 10 meter “Friendly Net.”
- Annual **Skywarn** class.

Various **events and activities**.

Examples: Special Event (September 2006) celebrating SPRC’s 75th Anniversary.

Providing communications for Annual Race for Autism, St. Paul.

Current Pilot Program involving a ham radio class at

Washington Technology Middle School, St. Paul.

Meetings are held at the **University of St. Thomas, St. Paul**, centrally located in the Twin Cities. The **St. Paul Radio Club** is affiliated with the **University of St. Thomas Amateur Radio Club**.

For further information, check out our website:

www.stpaulradioclub.org

The website’s **front page** gives monthly meeting information and other current information.

Click on the button “The Ground Wave” to read SPRC **newsletters**.

The last page of *The Ground Wave* contains a **Calendar of Events**.

“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 membership form is available on the SPRC website: Click on “Become A Member.”

EMCOMM Level 1 Course

SPRC will offer an EMMCOMM Level 1 course on Monday evenings from January 7th through February 25th, 2008, from 7:00 to 9:00 p.m. The course will acquaint new and experienced hams with voluntary emergency communication service; successful completion of the course and examination will result in ARRL level 1 EMMCOMM certification.

The course will be led by Brian McInerney, NØBM, and held in the Hickory Room, Roseville Fire Hall, 2701 Lexington Avenue North, 1 block north of County Road C on Lexington Ave.

Class size is limited; enroll with **Allan Klein, WØNLY**, via email at WØNLY@arri.net.

Membership Meeting Minutes Friday, December 7th, 2007

President **Orcy Lyle, WØQT**, in Room 304 at the University of St. Thomas in St. Paul called a meeting of the St. Paul Radio Club Membership to order on Friday, December 7th, 2007 at 7:38 p.m.

Current announcements were made. Introductions were made.

The SPRC Auction will be held in Room 304 January 4th, 2008.

Dallas Fogg, NØLKD, was presented the Ham of the Year certificate for 2007. A member since 1990, Dallas has held many positions in the Club and is always around to help. Previous Board Member, Vice President, Refreshment Chair, Skywarn Coordinator, Field Day foreman and Auction Official, Thank You Dallas!

Skip Jackson, KSØJ, Section Manager, introduced **Brian McInerney, NØBM**, who informed us of how the Volunteer Examiners Program has worked through the Club since 1985. We have had 5 VE Liai-

sons and lots of VE's over the years. **Jay Bellows, KØQB**, is credited with starting the program and has helped at over 100 sessions. A Certificate will be presented to him at a later date.

The Emergency Management course will start January 7th and run for 8 weeks.

The Washington Middle School education program will began January 23rd and run through May. Volunteers contact **Allen Klein, WØNLY**.

The meeting was abbreviated and adjourned at 8:00 p.m. followed by the program and Holiday Social Hour.

Note to New Hams

New hams, in fact any ham who wants to gain experience, plz tune in to the St. Paul Radio Club **Two-meter Net** on **Wednesday nights at 7 p.m., 145.310 MHz**, no PL tone. Listen to the "old" hams on the Net to get an idea of how to speak on the Net (it's pretty easy), then check in yourself. Usually the Net Control Operator (NCO) asks for check-ins and hams give their call sign, while the NCO makes a list of these callsigns. The NCO then calls on each callsign one by one, and each person speaks when called on, giving their name, callsign, and whatever they want to say to the Net.

If you don't have a 2m radio yet, but have a scanner, you can listen to the Net on the scanner. Some old AM/FM/PSB radios also can be tuned to our 145.310 MHz frequency on the Public Service Band.

We will look forward to hearing from on the the Net! Eventually you may wish to take a turn as NCO (also pretty easy). Coordinator of the Net is **Andy Lokken, KCØTUD**.

Refreshment Coordinator Duties

Provide snacks of some sort and hot and cold beverages for meetings and some events for the SPRC. Requires at least one person to be present at all functions so at least one back up partner is needed.

At St. Thomas, the food service provides the coffee set up, which comes with cups/napkins/cream and sugars. Simply contact Tom Sturm and have him order it for the meeting night. You pick it up on the 2nd floor off the back elevator on a cart and bring it to the room we are using that night, and return the cart to that point after the meeting.

Cold beverages should be at least four selections of pop or juice and should include two diet items. About 6 to 8 quarts. Snacks should be finger held cookies or donuts, 5 to 7 dozen, depending on expected attendance. You also need some plastic silverware, plates and napkins, table covers. Currently, all of this is contained in two plastic tubs with covers and easily transported.

Clean up consists of disposing of waste, and keeping or giving away leftovers depending on parishability.

Bookkeeping consists of receiving a monetary account, and a contribution can. Much like your own checking account, you keep a debit and credit account of cash received and paid out receipts. If the account remains self-sustaining, that's great. If not, a yearly contribution of \$50 is issued from the club and more is available if needed.

Members are still bringing snacks to meetings as additional items, thank them and serve it as needed.

If you'd like to help, please contact Orcy.

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	Orcena (Orcy) Lyle	WØQT	612 827-2707	president (see page 1)
Vice President	James Klassen	KBØUAZ	651 451-8612	vp
Treasurer	Allan Klein	WØNLY	651 291-8815	treasurer
Secretary	Dale Maroushek	NØPEY	651 777-5309	secretary
Board of Directors	Don Greenheck Skip Jackson Jeff Iverson	NØJPG KSØJ WB9DAN	651 483-1214 651 451-2313 763 560-4458	n0jpg ks0j wb9dan
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	WØNLY	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	Ed Jacobson	WBØVHF	952 884-2335	fieldday
Parliamentarian	Tom Sturm	NØBGO	651 699-4270	parliamentarian
Annual Banquet/Picnic Coordinator	OPEN			
January Auction	Coordinated by the board			
Refreshment Coordinator	OPEN			
Skywarn	Dallas Fogg	NØLKD	651 644-2361	skywarn
Door Prizes/Drawings	John Hunt, Chair	KGØJD	651 647-1341	doorprizes
Technical Liaison	Brian McInerney	NØBM	651 738-5932	technical
Circuit Builders Chair	Jake Jacobson	NØIEZ	651 554-0441	circuitbuilders
Friendly Net	Marty Gammel	KAØNAN	651 646-5428	friendlynet
2 Meter Net	Andy Lokken	KCØTUD	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	ustliaison
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

Fri Jan 4 7pm St. Paul Radio Club Meeting and Annual Auction UST MHC 304.
Sat Jan 5 9am SPRC VE followed by EC Exams – Call David M. Buending AD2B, 952 486-0836, or ad2b@arrl.net for info
Fri Jan 11 7pm St. Paul Radio Club Board Meeting. University of St Thomas OSS 435 (4th floor lounge, across from elevators)
Sat Jan 19 9am St. Paul Radio Club Breakfast. Perkins Midway on University east of Snelling
Sat Jan 19 11am SPRC Circuit Builders. University of St. Thomas OSS 415. See page 3
Fri Feb 1 7pm St. Paul Radio Club Meeting—Pat Tice, WAØTDA: Radials, Grounds, Hx of Butternut
Sat Feb 2 9am SPRC VE followed by EC Exams – Call David M. Buending AD2B, 952 486-0836, or ad2b@arrl.net for info
Sat Feb 16 9am St. Paul Radio Club Breakfast. Perkins Midway on University east of Snelling
Sat Mar 1 9am SPRC VE followed by EC Exams – Call David M. Buending AD2B, 952 486-0836, or ad2b@arrl.net for info
Fri Mar 7 7pm St. Paul Radio Club Meeting
Fri Mar 14 7pm St. Paul Radio Club Board Meeting. University of St Thomas OSS 435 (4th floor lounge, across from elevators)
Sat Mar 15 9am St. Paul Radio Club Breakfast. Perkins Midway on University east of Snelling

Check the SPRCCB Yahoo group or contact Jake at [circuitbuilders \(see page 1\)](#) 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.

St. Paul Radio Club Auction
Friday January 4th — UST Room MHC 304 (see page 1)

ADDRESS CORRECTION REQUESTED

St. Paul Radio Club, Inc.
P.O. Box 9375
North St. Paul MN 55109

