

Foothills Amateur Radio Society

Relay

Volume 32, Number 2

FEBRUARY 2002

February Meeting

February 22, '02 - 7 PM socializing, meeting starts at 7:30.

Rick Huisman, N6DQ, will give a presentation on "Everything you Ever Wanted to Know About Towers." Rick installed a tower in the summer of 2000. With slides and stories, he will tell us about: planning, permits, working with the City of San Carlos, working with US Tower's structural engineers, construction, antenna installation, good engineering practice and assuring signal integrity, working through neighbors complaints, and DX results!

Secretary's Report

Combined Board Minutes for January and February 2002

The FARS Board held its monthly meetings on January 8 and February 5, 2002. Members present at one or both of these meetings were Mikel, KN6QI, Jack, WA6YJR, Howard, KE6PWH, Larry, W6OD, Dick, N6ATD, Charlie, KF6CUU, Frank, K6FCW, Omri, AA6TA, Mark, KG6GRR, Herb, KF6BKL, Steve, K6OIK, Shel, N6RD, David, KD6WRG, and Martin, KD6WJW. These were the first meetings for new board members K6FCW and KG6GRR. Banquet-related matters were discussed at both meetings. There were 65 who registered and paid, 62 of whom attended. The restaurant was complimented for its excellent service.

Even though FARS lacks a training officer, there is a waiting list for tech class. AA6TA continues to make progress in nominating Rich, W6APZ, for ARRL's Instructor of the Year award.

Preparations for the flea market and Field Day are starting. For FARS, both will be held this year in June. Speakers appear to be in place for the next few monthly meetings. Other possible club activities were discussed.

- Martin, KD6WJW

Who was Oliver Heaviside?

Oliver Heaviside was a 19th century Scottish electrical engineer. Heaviside's lifetime accomplishments included:

1. Developing and championing the ideas of vectors and vector calculus.
2. Developing the idea that the electric and magnetic fields were the "fundamental" entities of electromagnetics. Maxwell did not have this idea.
3. The reduction of Maxwell's theory of electromagnetics to four vector equations.
4. The independent co-discovery that the Poynting vector, ExH , defines power flow through space.
5. Developing transmission line theory. The telegrapher's equations are really his curl equations in disguise.
6. Theorizing correctly the existence of the ionosphere from early radio evidence. In the early days of radio, it was called the Heaviside-Kennelly layer or "KH" layer.
7. Development of the operator method of solving linear differential equations.

The history of Oliver Heaviside's life and work are described in his biography:

Paul J. Nahin, "Oliver Heaviside: Sage in Solitude," IEEE Press, 1988, ISBN 0879422386.

A paperback version is scheduled for publication this Spring by John Hopkins University Press.

- Steve, K6OIK

[All this time you thought it was the "Heavy-Side Layer" and had something to do with corpulent chickens? DW]

Celebrations in February

Now that everyone has celebrated Saint Valentine's Day, it is time to look up what we were celebrating and how to do it properly. Try Valentine, lupercalia, whip, goat skin, in your favorite search engine. DW

CLUB INFORMATION

President: Mikel Lechner, KN6QI
Vice President: Steve Stearns, K6OIK
Treasurer: Shel Edelman, N6RD
Secretary: Martin Liberman, KD6WJW
Radio Officer: Omri Serlin, AA6TA
Training Officer: (open)
Relay Editor: Shel Edelman, N6RD
Board Members: Jack Eddy WA6YJR, Dick Baldwinson N6ATD, David Cooper KE6PFF, Frank Weiss K6FCW, Herb Davidson KF6BKL, Howard Calif KE6PWH, Mark Hardy KG6GRR.
Station Trustee: Stan Kuhl, K6MA
FARS Web Page: <http://www.fars.k6ya.org>

FARS announcement mailing list is moderated, so you cannot reply directly to the list: fars-announce@svpal.org

Also, note you can contact the FARS board of directors at
fars-board@svpal.org

To subscribe/unsubscribe, send a message to:

majordomo@svpal.org

In the e-mail message (in plain text) put one of:

unsubscribe fars-announce YOUR-EMAIL-ADDRESS
subscribe fars-announce YOUR-EMAIL-ADDRESS

(eg. Subscribe fars-announce dwilkes@svpal.org)

The FARS *Relay* is the official monthly newsletter of the Foothills Amateur Radio Society Meetings are held at 7 PM on the fourth Friday of each month except January (Winter Banquet); and 3rd Wednesday in June, Nov. & Dec. Annual membership \$20; family \$25. Visitors are always welcome! Directions on the back page. Talk-in: N6NFI (145.23-, 100Hz) or W6ASH repeater (145.27 or 224.36). Contributions to the newsletter from members, family, and guests are earnestly solicited! Contributions subject to editing and/or compression. ASCII files via packet, Internet or diskettes preferred; but all readable forms welcome. Here is how to reach the editor:
Mail: 2195 Columbia Palo Alto CA 94306.
Voice: 650-493-7212
At FARS meetings.

Cool Tower Photos

[I know the people that use these towers. Howard]

Last holiday season I went to N.E. Oregon (Pendleton) for a 3 week visit with the family. My brother is also a Ham so I also belong to the local Ham Club there and have met and talked with most of the locals who are active in the club.

After a recent storm they noticed that one of their most popular repeaters was off the air along with another repeater having degraded performance and the Packet Node was down too. They decided to visit the Repeater Site which in December requires a lengthy trip by Snowmobile. Three snowmobiles and 4-5 people made the trip.

We make all kinds of complaints about tower problems and wind loading of our antennas here in mostly sunny California. Take a trip to the following web site and see what a little Ice and Snow Storm can do when added to some high winds. The Tower shown is Rohn 45 which is pretty substantial. Especially when the only antennas on it were Verticals.

Look at all the photos as there are several comments made about this tower and the other Repeater Tower in the background.

<http://www.digitalhams.com/spout/>

The Repeater location is near Tollgate, Oregon.

Howard Calif, KE6PWH



For those who do not have access to the Internet, I hope the picture above comes out in the printing. DW

PLEASE fill out the membership form whether you are a new or old member. Neatness counts.

FARS 2002 MEMBERSHIP RENEWAL FORM

Date _____

Name(s) & Callsign(s) & Class (E-A-G-T-N-None):

Mailing Address: _____

Home phone: _____ Work phone _____

Fax (H or W?) _____

Packet BBS Address _____

Internet (e-mail) address _____

ARRL Member(s)? Yes/No (if yes, who?) _____

Preferred modes: HF-SSB/HF-CW/VHF/UHF/Packet/HF Digital/Satellites/ATV/QRP/Other:

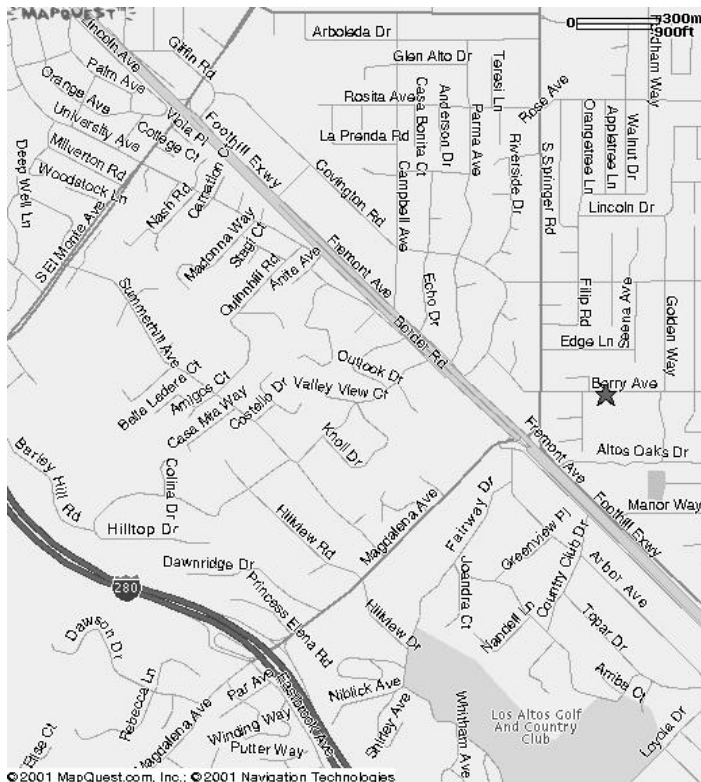
(Please indicate any areas in which you are willing to Elmer new hams)

Special topics of interest /Suggestions for club meeting speakers:

Dues: personal: \$20; family: \$25. Send check or Money Order payable to FARS to:
Shel Edelman, N6RD 2195 Columbia, Palo Alto 94306 Voice: 650 493 7212

Please note: Membership runs from January 1 to December 31.

Total \$ _____



How to get to meetings: (Visitors always welcome)

Our meetings usually will be held at the Loyola School gym room (directions below) on the fourth Friday at 7 PM for the code practice/socializing and 7:30 PM for the regular meeting. There may be changes in the meeting dates for June, November, and December.

DIRECTIONS:

Loyola School is at 770 Berry Avenue in Los Altos, between Springer Rd. and Miramonte Ave.

FROM FOOTHILL EXPWY take the Rancho shopping center exit and go east (toward El Camino Real) on Springer one short block; turn right onto Berry; watch for the school parking lot on your right. Walk past the office and turn right. The gym is the first building on your right.

FROM I-280 take the Magdalena Av. exit and go east (towards Foothill Expwy). Cross Foothill Expwy onto Springer; then follow directions as above.

FARS RELAY 2/02
C/O DAVID WILKES
1093 KELLY DRIVE
SAN JOSE CA 95129-3222

FIRST CLASS MAIL

ADDRESS CORRECTION REQUESTED
PLEASE DO NOT FORWARD

MEETING FOURTH FRIDAY 2/22/02 At Loyola School in Los Altos

Subj:Reno Spring Hamswap
From:k7vy@netzero.net
To:davewilkes@aol.com

Dear Dave and the Foothill Amateur Radio Society,
Just an invite to make the trip to Reno for our 3rd annual
spring ham swap. It has been a great event with everyone
enjoying the swap and Reno. Please extend the invitation
to your group. I hope to see you in Reno on May 11.

73, Gary K7VY

Nevada (Reno)-May 11, 7:00 AM to 1:00 PM.

The Reno Area Metro Simplex ARC is sponsoring the
Reno Spring Ham Swap at KNPB Channel 5 Television
Station, 1670 N. Virginia St. (on the campus of the Univer-
sity of Nevada, Reno); from I 80. Take the Virginia St. exit
and head north one mile.

Free admission to all. Vendors bring your own tables.
Large indoor/outdoor swap. Plenty of parking. Raffle, cof-
fee, doughnuts, tours of the High Definition TV Station, VE
Session contact Don Freeman W7FD
free1@worldnet.att.net, 775-851-1176.
Talk In: 147.060 +123
Glen Haggard, KK7IH 775-673-6401; kk7ih@nvrms.org;