

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 15, Number 4

April 1999



Wanted: Secretary

SCCARA desperately needs a secretary. Basic computer skills and e-mail are a plus. If you even might consider it, please contact the president or any board member.

News from the ARRL

The ARRL Letter, March 26, 1999

SPUTNIK 99 TO LAUNCH IN APRIL

Sputnik 40 Years--the same folks who brought you the Sputnik 40 and Sputnik 41 mini-Sputnik satellites--will launch a third mini-satellite in April. Sputnik 40 Years spokesman Guy Pignolet says the third flight model now is aboard a Progress rocket in Baikonur, Russia, awaiting transport to the Russian Mir space station April 2.

Sputnik 99, which likely also will be known as RS-19 and possibly as Sputnik 42, will be launched by hand from Mir sometime in April during a space walk by ESA astronaut Jean-Pierre Haignere, FX0STB, of France. The newest "baby Sputnik" was a cooperative effort of Gerard Auvray, F6FAO, of AMSAT-France; Viktor Kourilov, of the Astronautical Federation of Russia; and Sergei Sambourov, RV3DR, of Energia and AMSAT-Russia. Technical details of the latest Sputnik are not yet available.

Haignere is aboard Mir for a six-month tour of duty and will return to Earth in August. He has occasionally been on the air from the R0MIR setup aboard Mir (145.985 MHz). The Air Force General is also president of the Aero-Club de France's astronautics commission.

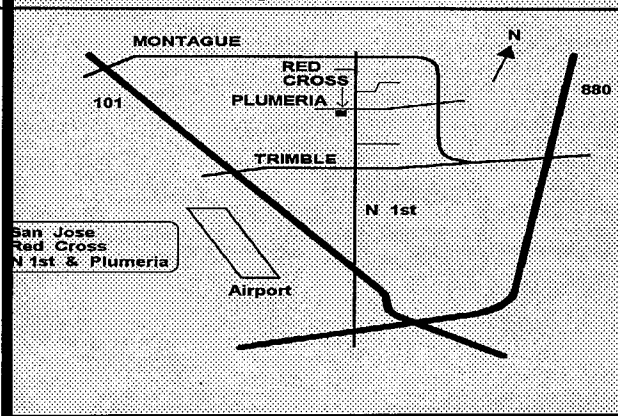
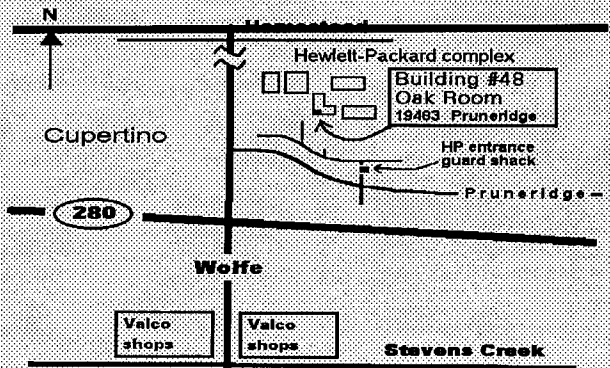
The last mini-Sputnik, Sputnik 41, was a joint project of

Calendar

- 4/10 Foothill Flea Market
- 4/12 SCCARA General Meeting
- 4/19 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)

Next General Meeting:

- Day: Monday, April 12, 1999
- Time: 7:30 PM
- Place: Hewlett-Packard's Oak Rm, Bld #48
- Featuring: Every member is encouraged to attend this meeting to discuss the status of SCCARA and plan its direction for the future. (N6PCQ)



The **SCCARA-GRAM** is published monthly by the **SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION**, PO Box 6, San Jose CA 95103-0006. Permission to reprint articles is hereby granted, provided the source is properly credited.

SCCARA was formed as a general interest amateur radio club in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate of the American Radio Relay League (ARRL).

The club station is W6UW, our repeater is W6UU.

Web page: <http://www.qsl.net/sccara>

The deadline for SCCARA-GRAM articles is one week before the last Monday of the month.

OFFICERS and DIRECTORS

President	Barbara Britten, KD6QEI	293-3847
Vice President	Bob Forster, N6PCQ	296-5509
Secretary		
Treasurer	Lloyd DeVaughns, KD6FJI	225-6769
Station Trustee	Stan Getsla, WA6VJY	275-0735
Director	Clark Murphy, KE6KXO	262-9334
Director	Don Apte, KK6MX	629-0725
Director	Don Village, K6PBQ	263-2789
Director	Lou Steirer, WA6QYS	241-7999
Director	Wally Britten, KA6YMD	293-3847

STAFF

Editor	Gary Mitchell, WB6YRU	265-2336
Facilities	Don Village, K6PBQ	263-2789

COMMITTEES

Repeater	Wally Britten, KA6YMD	293-3847
Field Day	Dan Dietz, WM6M	(831) 430-9650

SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:

2 meter:	146.385 +	PL 114.8 (none for basic use)
70 cm:	442.425 +	PL 107.2

Phone patch capability is available (auto-dial and auto-patch). The two meter repeater is located in the Mt. Hamilton foothills, Alum Rock area. The 70 cm repeater is located at the Alexian Brothers Hospital, North of 280 and 101.

SCCARA NETS

On our two meter repeater: Mondays at 7:30 PM, (not the second Monday--it's our meeting night). Coordinator: Don K6PBQ.

On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally KA6YMD.

Visitors welcome to join in on the SCCARA nets.

IMPORTANT TELEPHONE NUMBERS

SCCARA HOTLINE:	408 249-6909
ARRL/VEC Silicon Valley VE group:	408 243-8349
	me-ae6z@worldnet.att.net

Aero-Club de France, the Russian Aeronautical Federation and AMSAT-France. Powered by non-rechargeable batteries, it stopped transmitting on 2 meters December 11 after approximately a month. It transmitted a set of pre-recorded voice greetings in three languages as well as a beacon. The first mini-Sputnik was launched in November 1997 from Mir to commemorate the 40th anniversary of the launching of the original Sputnik satellite. It transmitted only a beacon for approximately six weeks.

Sputnik 40 Years is a collaboration among high school students from College Jules Reydellet in St Denis on Reunion Island and students at the Center for Polytechnic Education in Naltchik, Russia.

NASA PROVIDES SPACE QUALIFICATION FUNDING TO SAREX/ARISS

NASA has given a \$90,000 boost to the cause of giving Amateur Radio a permanent place in space. The money, recently transferred to the US-based Space Amateur Radio EXperiment (SAREX) team from NASA's Education Office will support the space qualification of Amateur Radio hardware bound for the International Space Station as part of the Amateur Radio on the International Space Station (ARISS) program.

AMSAT-NA's Vice President for Human Spaceflight Programs and ARISS Administrative Chairman Frank Bauer, KA3HDO, says ARISS was "ecstatic" to learn of the subsidy for this crucial facet of the ARISS hardware development. "While this may sound like a great deal of funding to the Amateur Radio community, it represents approximately one-seventh of what we expect will be required to fully develop all three phases of the ARISS hardware system," he said.

The ARISS initial station hardware (basically dual band HT's) is currently being prepared for launch this October on STS-101. More sophisticated transportable ham gear will be delivered in late 2000 or early 2001. The rack-mounted permanent station is expected to be launched in 2003 or 2004. Qualification testing--sometimes called "shake-and-bake testing"--is required of all equipment bound for the ISS or used in manned spaceflight. The detailed, rigorous testing sequences are aimed at ensuring crew safety and minimizing equipment failure.

The bulk of the \$90,000 will go to support space qualification of the ARISS initial station hardware and some early aspects of the transportable station. Space qualification of the initial station has proven to be a bit of a challenge, in part because of the international nature of the equipment contributions. The US and German-developed radio hardware will be installed inside the pressurized Russian service module, while Italian, Russian, and US-developed antenna systems will be installed on the outside. Mounting the antenna system hardware and the coaxial feedlines will require a space walk,

or EVA. "Ensuring the ARISS hardware can pass the EVA safety tests is our most challenging task," Bauer said.

The ARISS team has been working at Goddard Space Flight Center with a NASA contractor team from Orbital Sciences Corporation to deliver the ARISS Safety Data Package and ensure the ARISS hardware is flight-qualified.

HAARP AMATEUR TESTS YIELD EARLY SUCCESS

An Amateur Radio experiment conducted earlier this month by the High Frequency Active Auroral Research Program (HAARP) facility in Gakona, Alaska, and amateurs in Alaska and Canada, has yielded some encouraging results.

During the experiment March 20, 2200-2400 UTC, HAARP attempted to generate what are called "field-aligned irregularities" in the F-region over the HAARP facility. Participants, under the direction of principal investigator Ed Cole, AL7EB, attempted to establish communication by scattering VHF signals off the FAI.

The other participating stations are VY1RM, Whitehorse, Yukon Territory; VE6JW, Namao, Alberta; KL7X, AL7OB, and WL7U, Anchorage, Alaska; KL7FZ, Wasilla, Alaska; KL7NO, Fairbanks, Alaska; and KL7FB, Palmer, Alaska.

The test was conducted at 144.1 MHz. "Using KL7X as the source, two stations, WL7BQM and AL7EB were able to detect the scattered signal off of the field aligned irregularities generated in the F-layer over HAARP," said HAARP's Ed Kennedy, K3NS. Kennedy said KL7X ran 1 kW into a 28 dBi EME antenna. "Measurement of these signals was possible for about an hour." Receiving stations used AF9Y FFTDSP software.

"The scattered signals had an interesting Doppler characteristic and were on the order of 20-30 dB above the detectable threshold for the equipment used by the receiving stations," Kennedy said. "For comparison, I don't think they were nearly as strong as the signals that scatter off of the naturally occurring aurora."

Kennedy said that Cole has a complete record of the test and is busy working on analyzing the results with help from WL7BQM and with software developer AF9Y.

Each of the HAARP transmitters can produce 10 kW of RF output between 2.8 and 10 MHz. During the Amateur Radio test on March 20, HAARP cranked up its transmitters to full power--960 kW--"in order to produce the best possible conditions for creating the scatter structures in the F-region over the facility," Kennedy explained.

A HAARP listening test was held March 26 and 27. Signals were audible in the Eastern US March 26 on both the 6.99 and 3.34 MHz frequencies.

Money Money Money!

SCCARA 1997 Financial Report

Prepared by WB6YRU from bank records

Repeater Fund

(No activity, except bank charges and interest.)

Starting balance	4917.75
Savings (interest)	74.21
Checking fees	-96.00
Ending balance	4895.87
	<hr/>
	-21.88

General Fund

Starting balance	10570.73
Ending balance	9090.31
	<hr/>
	-1480.42

Summary of activity

Dues	+1817.00
Flea Market	+3257.04
Interest	+178.73
	<hr/>
Incoming subtotal	+5252.77

Bank charges	-122.50
Meeting room	-788.00
Newsletter	-1923.61
Insurance	-595.91
Station	-108.61
Repeater/BBS	-238.00
Field Day	-500.72
Misc.	-665.63
Locker	-651.00
Raffle	-162.49
Picnic	-122.90
Dinner meetings	-802.76
	<hr/>

Outgoing subtotal	-6691.79
	<hr/>
	5252.77
	-6691.79
	<hr/>

-1439.02 net
-41.40 discrepancy

Meeting Minutes

1999 Membership

General Meeting, March 8, 1999



7:30 PM The meeting was called to order President Barbara Britten KD6QEI.

Our guest speaker this month was Tom Evens from the National weather service in Monterey. Tom showed us various weather patterns. Their main purpose is to predict weather to protect people and property. They have packet radio in the office and they have a very active program of weather spotters to help predict weather conditions. Thanks Tom Evens for a very good program.

Business:

President Barbara KD6QEI and Vice President Bob N6PCQ: Brought up the need of a Secretary to meet our obligations as a Non-profit club and to complete our list of officers.

The Treasurers audit is finished. It is now necessary to make all activities have a ZERO BUDGET.

The Board meeting is moved to March 22 at the Red Cross for this month only.

Gary WB6YRU Gave us a update on N0ARY bulletin board.

Don KK6MX - Has had no call back from the Scouts to buy the fire proof filing cabinets.

Adjourned at 10:10 PM

Don Village K6PBQ, Acting Secretary

Board Meeting, March 22, 1999



{no minutes were received by the deadline. --Ed.}

BBS Report

Just a reminder... The N0ARY packet BBS (sharing our 440 repeater site) is operational. It has two user ports: 144.93 MHz at 1200 baud and 433.37 MHz at 9600 baud.

As you have probably heard, SCCARA is once again in need of a secretary. Since it is the secretary that maintains the roster, it should come as no surprise that the roster currently isn't as accurate as it should be.

Please look over the following list of calls. If you are not listed below, but did renew your membership for 1999, please mention it to Lloyd KD6FJI (treasurer).

W6ACW	N6ANE	KA6ASV	KC6BFQ	K6CAY
WD6CGI	K06CI	N6CMJ	KF6DXQ	AD6E
K6EJF	W6EOA	K8ERL	KD6FJI	W6FS
KE6FTZ	AC6FU	K6GLY	K06HH	N6HN
WA6IER	KF6IFU	KD6KGI	KE6KXO	KB6LCJ
WM6M	K6MOB	KK6MX	KB6MXH	KD6MZM
KF6NEW	WB6ODL	N6OHK	AA6ON	W600Y
KE6OUG	AB6OZ	K6PBQ	N6PCQ	WA6QYS
K6RQ	KC6SOC	KC6SPV	N6SWC	KC6TDK
W6TQH	WA6UAR	KD6UD	K6UF	KA6UMI
WA6UWF	KF6VCH	K6VIP	WB6VXA	KE6WBQ
KA6YMD	WB6YRU	KD6ZJJ	K6ZYY	

Packet Pieces

Date: 15 Sep 94 07:38

From: N5EQO@N5UXT

To: HUMOR@USA

Subject: A Bet

Said John to Mary, "I'll bet you ten cents I can kiss you on the lips without touching them."

"You're crazy," said Mary. "That's impossible. Here's a dime that says you can't."

The two dimes were placed on the mantelpiece and John then enfolded Mary and for ten minutes kissed her passionately, intimately, and moistly.

She broke away at last, panting and disheveled, and said "You did nothing BUT touch my lips."

John pushed the dimes toward her and said "So I lose."

.....Nancy Carson

Date: 14 Jul 94 03:07

From: WD4FHN@KF4OJ

To: HUMOR@USA

Subject: Why don't sea gulls fly...

Why don't sea gulls fly over the bay?
Because they would become bagels

This joke was sent by John, KD6RKP

From the Happy Club, 73 de Sergio
WD4FHN @ KF4OJ.#ARCFL.FL.USA.NOAM

Need Help?

Amateurs have a long history of helping each other. An experienced amateur who helps another is traditionally called an "Elmer." If you have a question or problem, you are encouraged to ask one of SCCARA's Elmers. Below is a list of topics including who to contact for each.

If you consider yourself to be reasonably competent in at least one area of amateur radio and would be willing help others, please ask the club secretary for an Elmer survey form and fill it out.

Antennas, feed-lines, tuners:
WB6EMR, AC6FU, K6PBQ, WB6YRU
Lightning protection, grounding: WB6YRU
Station set-up, equipment: AC6FU, K6PBQ
TVI/RFI: WB6YRU
Homebrew projects, construction: AC6FU, KD6FJI, WB6YRU
Computers: KB6NP; IBM PC: WN6U, WB6YRU
Packet Network (BBS, forwarding): WB6YRU
Other digital modes (AMTOR, RTTY): WN6U
Code operating and installations:
WB6EMR, AC6FU, K6PBQ
DX (long distance/propagation): WB6EMR
Emergency operating/preparedness: WA6QYS
FM (VHF/UHF, repeaters): WA6VJY
HF operating techniques (SSB, CW):
WB6EMR, AC6FU, K6PBQ
Mobile operating: WN6U
NTS & traffic handling:
QRP (HF low power, all modes): WN6U
TEN-TEN (10 M only): AC6FU
Classes/license upgrading: W6ACW, AC6FU
Legal/FCC rules: WB6YRU
SCCARA (club inner workings):
K06HH, K6PBQ, WA6VJY, WB6YRU, WA6QYS
Math applications: AC6FU
Children's Discovery Museum, volunteer operator: K6PBQ

W6ACW, Ed Hajny, (408) 739-6105

WB6EMR, James D. Armstrong, Jr.,
evening & msg: (408) 945-1202

KD6FJI, Lloyd DeVaughns,
day: (408) 299-8933, evening: (408) 225-6769
packet: home BBS KB6MER

AC6FU, Jack L. Ruckman, (408) 379-4846

K06HH, Don Hayden, (408) 867-4643
packet: home BBS NOARY

KB6NP, Jon Dutra, day & msg (408) 428-2058
evening (408) 867-8654
packet: home BBS NOARY
internet: jad@aol.com

K6PBQ, Don Village, (408) 263-2789

WA6QYS, Lou Steirer, (408) 241-7999
packet: home BBS NOARY

WN6U, Doug Eaton, (408) 377-3736
packet: home BBS NOARY
internet: wn6u@compuserve.com

WA6VJY, Stan Getsla, day: (408) 738-2888 x5929,
evening & msg: (408) 275-0735

WB6YRU, Gary Mitchell, msg (408) 265-2336
also (408) 269-2924
packet: home BBS NOARY
internet: wb6yru@aenet.net

Newsletter Notes

The hot topic lately among the SCCARA leadership is our financial status. It seems we've been spending more than we've taken in over the last few years. The V.P. as asked each of us about ways to save money.

The *SCCARA-GRAM* is one of the club's big-ticket items, but a vital one in the opinion of many. As things are now, I could save about ten percent on copying costs by reducing the number of extra copies made for handing out; admittedly, that's not much. We could save more by reducing the number of pages, but many feel that wouldn't be such a good idea either. Another option is to switch to first class postage.

At first blush, switching to first class postage sounds like an increase, but it's not necessarily so. If we had lots of members, bulk mail costs half as much as first class. But the membership is down considerably from recent years. To qualify for bulk mail, we have to send out 200 pieces minimum--therein lies the rub! If we cut the number copies down to only what's needed for the current membership and certain selected others, we'd save a lot on copying. Also, the reduced count would more than make up for the increase cost of first class.

The possible snag is our bulk mail account itself. If we let it go, there may be complications getting it back if/when membership increases substantially.

Of course, another possibility is to increase the dues. This has been mentioned before. Some on the board feel it is very cheap. Also, it has stayed the same for many years.

If you have any other ideas or comments on this or anything else, please mention it to any board member.

A financial report for 1997 appears in this issue. The 1998 report will appear in the next issue. If people are interested, we could go back and do 1996 too. These will help provide a better view of where the money has gone over the past few years.

73, Gary WB6YRU, editor

ARRL Pacific Division Update

April 1999

Local FCC Enforcement Action

The FCC has taken another step in its investigation of alleged rule breaking and impropriety on the K7IJ Grizzly Peak repeater system. In the latest action, the FCC has notified Blake B. Jenkins, N6YSA, of Berkeley, that his amateur VHF/UHF privileges were being suspended for 120 days as of March 5. Jenkins has been identified as the primary designated control operator of the four K7IJ VHF and UHF repeaters. Citing what it called "an alarming and unacceptable lack of control" over the operation of the repeaters, the FCC on March 2 shut down the K7IJ system for 120 days while it continues its investigation. FCC officials have not visited the site in person, however, and no equipment has been seized.

In a letter to Jenkins dated March 3, FCC Amateur Radio enforcer Riley Hollingsworth, K4ZDH, said FCC monitoring indicated that Jenkins "encouraged and solicited unlicensed radio operation on the repeaters." Hollingsworth also accused Jenkins of using his ham station "to solicit the jamming of other licensed repeaters" after the K7IJ repeater system was shut down.

The FCC letter seeks information from Jenkins on his role and activities while K7IJ repeater control operator. Hollingsworth's letter also referred briefly to the "Ham Radio Jamming" section on the N6YSA Web site, "on which you provide circuit descriptions of jamming devices and techniques." Pages dealing with jamming hardware appear to be no longer available. Hollingsworth said the FCC continues to look into the conduct of an alleged secondary control operator Steven R. Rossi, KE6LNH.

Meanwhile, Hollingsworth said he and K7IJ licensee Bruce Wachtell spoke by telephone after Wachtell--a shipboard radio operator now in the Pacific--reached port in Hawaii. Hollingsworth said the FCC still expects a written response from Wachtell addressing the Commission's concern about the repeaters' operation.

In a related move, the FCC also set aside recent license grants or upgrades of four operators while it continues its investigation. The FCC said three of the four--James C. Walker, KF6VAA; Michael J. Nichols, KF6UAS; and Eric B. Shuler, KF6BMG (ex-KF6UJU)--used the K7IJ system before obtaining their amateur licenses. The Commission said it had evidence that the fourth operator, Gordon B. Reese III, KF6QKA, was "engaging in rebroadcasts of cordless telephone calls and other broadcasting, along with profanity & obscenity." The FCC has permitted Reese, who had just upgraded to Tech Plus, to retain his Technician operating privileges for now.

Hollingsworth said he's been in touch with all four individuals and will carefully consider their written explanations.

The FCC also issued warnings to Mervyn Ehambrave about alleged unlicensed operation on the K7IJ repeater, and to Timmy O Sheen Sr, N6MZA, about alleged jamming and rebroadcasts of cordless phones.

Thanks, ARRL Letter March 5 and 12, 1999

FCC Tackles HF "Splatter" Cases

The FCC has written nearly two dozen Amateur Radio licensees whose 20-meter SSB signals were said to be "unusually wide, overpowered, or both." The FCC's Riley Hollingsworth did not identify the specific licensees involved, but he said some of them were believed to be over-the-road truckers operating mobile. Licensees were in several locations, including Illinois, New York, Mississippi, Arkansas, Puerto Rico, Ohio, Kentucky, North Carolina and Florida. Hollingsworth's letter said information received by the FCC indicates that the stations involved "ignored requests from other licensees operating on adjacent frequencies" to do something about the wide signals. He said the operations in question were believed to be confined to the high end of the 20-meter band, above 14.300 MHz.

Thanks, ARRL Letter March 12, 1999.

FCC's Hollingsworth Visits ARRL HQ

The FCC's Riley Hollingsworth, K4ZDH, says that after six months as the Commission's top Amateur Radio enforcer, he's pleased with the progress he's made and the support he's received from the amateur community. "I thought it would take a year or two years to be at this point," he told ARRL staff members March 17 during a day-long visit to ARRL Headquarters. "We've had some very good enforcement luck," he said.

For more details on the visit, access the ARRL web page Members only site and the ARRL Letter and Bulletin of Mar. 19, 1999.

LF Experimental License Issued

Some US experimental activity is coming to Low Frequency (LF)! The FCC has granted a one-year experimental license to the Amateur Radio Research and Development Corporation to conduct tests on the frequency 136.75 kHz. Experiments would be carried out from 12 Northern Virginia sites using the call sign WA2XTF. These experiments are to gain low-frequency experience in anticipation that the FCC may allocate a band at 136-kHz to Amateur Radio.

Last October, the ARRL petitioned the FCC to create two amateur LF allocations at 135.7-137.8 kHz and 160-190 kHz. The League asked for a 200 W PEP power limit (no more than 2W EIRP) and requested the new bands be made available to those holding a General class or higher

license for CW, SSB, RTTY/data, and image emissions.

Several countries throughout the world already enjoy LF allocations around 136 kHz. These include New Zealand, Great Britain, the Republic of Ireland, and several European nations.

While the list of stations is closed and new transmitting stations cannot be added, others are invited to join the project by listening and reporting results. Reception reports should be sent via e-mail to Andre Kesteloot, N4ICK, n4ick@amrad.org.

Further information concerning these LF experiments will be available in the AMRAD Newsletter mailed bimonthly to AMRAD members and available at <http://www.amrad.org>.

Thanks, ARRL Letter, Mar. 12, 1999.

Amateur Radio Spectrum Protection Act

It's round two in Congress for the Amateur Radio Spectrum Protection Act. At the request of the ARRL, Rep Michael Bilirakis introduced the 1999 version of the proposed legislation, HR 783, on February 23. As of Mar. 16, the bill had received 22 co-sponsors including Pacific Division Congresswoman Mink (HI) and Congressman Farr (CA). Great work in so short a time!

The bill is aimed at ensuring the availability of spectrum to Amateur Radio operators. It would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. Bilirakis, a Florida Republican, also sponsored last year's measure, which attracted upwards of 83 cosponsors on both sides of the aisle. Rep Frank Pallone Jr, a New Jersey Democrat, is the initial cosponsor of the 1999 bill.

ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, says the 1999 bill "is largely the same as last year's HR 3572." The major difference is that the 1999 version adds "Amateur Satellite Service" frequencies to "Amateur Radio Service" in detailing the frequencies that would be afforded protection under the act.

Specifically, HR 783 would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur Satellite Service in the event of a reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or "additional allocations within such bands that would substantially reduce the utility thereof" to amateurs.

Mansfield said it's too soon to predict how HR 783 will fare in the new Congress, but said the fact that it has been introduced so early in the session "bodes well for our prospects." He said that a number of the cosponsors from last year already have indicated an interest in signing on again, "so I think we'll have a lot of support."

A copy of the measure is available via the Thomas Web site, <http://thomas.loc.gov/>

Thanks, ARRL Bulletin.

Pac. Div's Hamvention 1999 Winner

Paul D. Lieb, KH6HME, of Hilo, Hawaii will receive a Special Achievement Award at the Dayton Hamvention in May. He was cited for "his pioneering and record-setting work in tropospheric ducting and VHF, UHF and microwave communications." Lieb is an ARRL Life Member. The award winners were announced March 1. The awards will be presented at the 1999 Dayton Hamvention banquet May 15.

Thanks, Dayton Hamvention

HAARP Amateur Radio Experiment

The High Frequency Active Auroral Research Program (HAARP) facility in Alaska conducted an Amateur Radio Experiment on March 20, and will conduct a second HAARP Listening Test in late March, according to HAARP's Ed Kennedy, K3NS.

The ham experiment took place on March 20, 2200-2400 UTC. It was to be organized by Ed Cole, AL7EB, with cooperation from several participants in Alaska and Canada. As Kennedy explained it prior to the experiment, "HAARP will attempt to generate field-aligned irregularities in the F-region over the HAARP facility, and the participants will attempt to establish communication links by scattering VHF signals off the FAI." Results of the experiment have not yet been announced.

The Listening Test will take place on March 26 from 0800 to 0830 UTC and March 27 from 0700 to 0730 UTC. During those periods HAARP will transmit, seeking reports from hams and SWLs in Alaska and in the "Lower 48." The HAARP facility rarely transmits, but its previous listening test in March 1997 was so successful that it decided to conduct another one.

The listening test transmissions will be on or about 3.4 MHz and 6.99 MHz. HAARP will send a CW message and request signal strength reports. Ed Kennedy, K3NS, points out that the test times are early ones for those on the East Coast, but he says they represent the best chance for listeners in that part of the world to hear HAARP. "They lost out last time due to poor propagation conditions," he said.

The test will begin on the hour on 6.99 MHz with an ID, followed by three four-minute periods of carrier only for signal-strength measurements, then a CW message. A somewhat shorter test will begin at 20 minutes past the hour on 3.39 MHz, with an ID, followed by one four-minute carrier and a CW message. QSLs will be available only for reports mailed to HAARP, PO Box 271, Gakona, AK 99586

For more information, see "The High Frequency Active Auroral Research Program" (QST, Sep 1996, p 33) or visit the HAARP Web site <http://w3.nrl.navy.mil/haarp.html>.

Thanks ARRL Letter, Mar. 5, 1999.

1999 YHotY Nominations Open

Nominations are due May 30, 1999, for the Amateur

Radio Newsline 1999 Young Ham of the Year (YHOTY). Now in its second decade, the YHOTY award goes each year to a US amateur 18 or younger who has used Amateur Radio to significantly contribute to the benefit of the hobby, to the state of the communications art, to the community or to the nation.

To obtain an official application, send an SASE to 1999 Young Ham of the Year Award, Newsline, 28197 Robin Ave, Santa Clarita, CA 91350. Nomination applications also are available at <http://www.arNewsline.org>.

The award presentation is scheduled take place at the 1999 Huntsville Hamfest in August. The 1999 Young Ham of the Year also will spend a week at Spacecamp in Huntsville.

Thanks, Newsline.

Wireless Privacy Bill Passes House

The Wireless Privacy Enhancement Act, HR 514, passed the US House on a vote of 403 to 3 (with 28 not voting). The bill passed by a similar margin last year, but the Senate never acted on it. But for one line, HR 514 is identical to the amended version of last year's HR 2369. The new line, the product of a floor amendment, clarifies that if one "discloses" protected communication without being aware that it was illegally obtained, one cannot be held culpable under the law. HR 514 was introduced by Rep Heather Wilson of New Mexico and co-sponsored by Rep. Eshoo, (CA 14th). It now goes to the Senate.

Thanks, ARRL Bulletin.

New IARU Officers Elected

For the first time in a decade, the International Amateur Radio Union is about to experience a change in its officers. In voting completed on Friday, March 12, the member-societies of the IARU overwhelmingly ratified the election of Larry E. Price, W4RA, as President, and David A. Wardlaw, VK3ADW, as Vice President, for five-year terms beginning May 9, 1999. Mr. Price succeeds Richard L. Baldwin, W1RU, who served as IARU President from 1982; Mr. Wardlaw succeeds Michael J. Owen, VK3KI, who served as Vice President from 1989.

President-Elect Larry Price, W4RA, has served as IARU Secretary since 1989 and was Vice President in 1983-84. He holds the degrees Bachelor of Science in Electrical Engineering (electronics major), Master of Business Administration (management major), and Doctor of Philosophy (Ph. D.) (finance major). Professionally, he retired as Professor and Department Head, Georgia Southern University, in 1991 and is presently Emeritus Professor of Finance and Economics. He was first licensed at age 16 in 1951 and has held elected offices in the American Radio Relay League (ARRL) continuously for the past 27 years, including service as President from 1984 to 1992. He resides in Statesboro, Georgia.

Vice President-Elect David A. Wardlaw, VK3ADW,

is a Dental Surgeon in private practice in Melbourne, Australia. He joined the Wireless Institute of Australia in 1947, was first licensed in 1948, and while living overseas in the 1960s held the call signs G3RYW (still current) and VE3CAY. He has served in numerous WIA posts, including President 1973-1979 and 1984-1988, and presently serves in several government liaison capacities for the WIA

Retiring IARU President Richard L. Baldwin, W1RU, has served organized amateur radio for more than a half-century. In 1948 he joined the headquarters staff of the ARRL, advancing to the position of General Manager in 1975. In the early 1960s he was given primary responsibility for the League's international programs, that even then were geared toward success at what eventually became WARC-79. He served as IARU Secretary from 1976 until his retirement from ARRL employment in 1982, and since that time has devoted much of his time to the IARU as a volunteer

Thanks, IARU News Release

Amateur Radio Restructuring Docket

The Reply Comment deadline on FCC WT Docket 98-143 closed Jan. 15, 1999. The implementation of this Docket will set the framework for the Amateur Radio Service in the US for the next several years. The Docket and the ARRL "constructive suggestions" to the FCC on this Docket have been widely discussed in the Sept., Oct., Nov., and Dec. QSTs as well as in recent issues of the Pacific Division Update (see the Pacific Division web site at www.pdarrl.org). There are over 2,200 Comments of all sorts on file at the FCC on this matter. These comments are available on the FCC web site at <http://gulfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/ecfs/comsrch.hts>. You must have Adobe Acrobat Reader installed to read the actual comments. The ARRL Comments are also posted on the ARRL web site, www.arrl.org. Thanks to those of you who sent in your Comments and Reply Comments expressing your views about the future of Amateur Radio licensing and related topics!

What happens next? I do not expect to see a Report and Order on this matter from the FCC until late spring 1999. It is also possible that regardless of whatever the FCC decides, Petitions for Reconsideration will be filed which would further delay the effective date of the Report and Order.

ARRL E-mail Addresses For Members

ARRL members can now announce their ARRL membership through their e-mail addresses! Starting February 1, 1999, a new membership service was available for those wishing to have an ARRL e-mail address, and you won't have to switch e-mail services to do it. Not only that, but it will be free-of-charge to League members!

The new, personalized League e-mail addresses will consist of the member's call sign @arrl.net. Electronic mail sent to the address automatically will be forwarded to any e-mail account you choose.

As long as you remain an ARRL member, you'll never have to notify people of an address change - even if you change Internet Service Providers.

Members are able to sign up quickly and easily through the ARRL Members Only Web Site. If you are not already registered for the Members Only Web Site, you can do so at <http://www.arrl.org/members/>.

Members who are not registered for the Members Only Web Site may also obtain their League addresses, but the procedure is a bit more time consuming. For instructions, send a blank message to subscribe@arrl.net.

Thanks, ARRL Letter.

Foundation Scholarships Available

The Foundation for Amateur Radio, Inc., a non-profit organization with headquarters in Washington, D.C., plans to administer sixty-six (66) scholarships for the academic year 1999 to 2000 to assist licensed Radio Amateurs. Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$2500 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs.

Additional information and an application form may be requested by letter or QSL card to: FAR Scholarships PO Box 831 Riverdale MD 20738. Applications must be postmarked prior to April 30, 1999.

Thanks, FAR.

Dayton Amateur Radio Scholarships

The Dayton Amateur Radio Association is accepting applications for its annual scholarship awards. The DARA Scholarship Program is open initially to any Amateur Radio operator graduating from high school in 1999. There are no restrictions on course of study, nor does the student need to be pursuing a four-year baccalaureate degree, but schools selected must be accredited. Maximum individual awards are \$2000. For an application and full details, send an SASE to DARA Scholarships, 45 Cinnamon Ct., Springboro, OH 45066. Application deadline is June 15, 1999.

Thanks Stan Kuck, NY8F.

Nominations for Maxim Memorial Award

Nominations are open for the Hiram Percy Maxim Memorial Award. The award goes each year to a radio amateur under the age of 21 whose accomplishments and contributions are of the most exemplary nature within the framework of Amateur Radio activities. Nominations are made by Section Managers. The prize consists of a cash award of \$1000, a suitably engraved plaque, and travel and accommodation expenses to enable the winner to attend an ARRL convention for a formal presentation. The award is

intended to provide a tangible reward to those deserving young amateurs who contribute their time, skills and energies daily through their commitment to Amateur Radio.

For more information and an application form, contact ARRL Field Services Manager Rick Palm, K1CE, e-mail rpalm@arrl.org or write him at ARRL Headquarters, 225 Main St, Newington, CT 06111.

Thanks, ARRL Letter.

ARRL Scholarships Available

There are many scholarships available from the ARRL Foundation. Information and applications can be obtained from the ARRL web site at www.arrl.org, by e-mail to foundation@arrl.org, or by letter to the ARRL Foundation at ARRL HQ, 225 Main St., Newington, CT 06111-1494.

Coming Events

- Livermore Swap Meet - 1st Sunday of each month at Las Positas College in Livermore, 7:00 AM to noon, all year. Talk in 147.045 from the west, 145.35 from the east. Contact Cliff Kibbe, KF6EII, (209) 835-6715, e-mail: larkswap@hotmail.com.
- Foothill Flea Market - 2nd Saturday of each month from March to October at Foothill College, Los Altos Hills, CA.
- International DX Convention April 9-11, 1999, at the Fresno Radisson Hotel and Conference Center. For information, access <http://www.amateur-radio.org/ncdxc.htm> for rooms and pre-registration; e-mail to Gordon Girton, W6NW, at W6NW@amateur-radio.org; phone (408) 255-9000; or PO Box 60307, Sunnyvale CA 94088-0307.
- Valley of the Moon ARC hamfest, April 24, Sonoma Valley Veterans' Memorial Building, 126 First St. W, Sonoma CA. Starts 8 AM. Talkin - 145.35 minus (PL 88.5 Hz). Contact Darrell Jones, WD6BOR, 358 Patten St., Sonoma CA 95476 Phone: (707) 996-4494.
- Western States Weak Signal Society (WSWSS) will have their summer meeting on June 5, 10:00AM, at Baker's Square Restaurant, Harbor Blvd. and Hwy. 50.

Brad Wyatt, K6WR
Director, ARRL Pacific Division

18400 Overlook Rd. #5
Los Gatos CA 95030-5850
(408) 395-2501 (voice & fax)

Packet: K6WR @ N0ARY.#NCA.CA.USA.NOAM
Internet: k6wr@arrl.org
Pacific Division Web site <http://www.pdarrl.org/>



S.C.C.A.R.A. Membership Form for 1999

(Fill in name and address if there is no mailing label below; make corrections if the label is incorrect)

Name: _____ Call: _____ Class: E A G T+ T N

Address: _____ Licensed since (yr): _____

City: _____ State: _____ Zip: _____ - _____

Telephone: () _____ New Member I'm also an
 Renewal ARRL member

E-mail: _____ Packet: _____

For family memberships (at the same address), please list other name(s) and call(s):

Annual membership dues are payable at the first of the year and expire the following December 31. New members joining on or after July 1, pay half the membership dues.

Annual Membership dues: Individual \$15 Family \$20 Student (under 18) \$5 _____

I want _____ SCCARA badges @ \$3 ea. Badge name & call: _____

Please send the repeater Auto-Dial/Auto-Patch codes (no charge, circle): Yes
WE MUST BE ABLE TO VERIFY YOUR AMATEUR LICENSE
BEFORE ANY REPEATER CODES WILL BE SENT TOTAL: _____

Give this completed form (or copy) with payment to the Secretary or Treasurer at any meeting or mail to the return address below:

== PLEASE DO NOT TEAR/CUT ==

**SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION**

PO BOX 6
San Jose CA 95103-0006

Affiliate of the American Radio Relay League

NONPROFIT ORG. US POSTAGE PAID SAN JOSE CA PERMIT NO 3318
--

ADDRESS SERVICE REQUESTED

TIME DATED BULLETIN