SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 28, Number 1

January 2012



President's Prose

By the time you see this in the SCCARA-GRAM, it will be year 2012 and the days will finally be getting longer. Our last event for 2011, the holiday lunch, was well attended and everyone appeared to have a good time and a fine meal. Thanks to Bob Vallio (W6RGG), ARRL Pacific Division Director, for introducing the SCCARA officers and directors for 2012, and bringing us up to speed on the latest ARRL happenings. Bob also donated a ARRL Handbook for Radio Communications and a Desktop Edition ARRL Repeater Directory for the club to do with as we see fit. Thanks Bob!

On that note, I'm going to put in a plug for the ARRL. If you haven't visited the website (www.arrl.org) lately, do so and have a look at the technical offerings and operating information there. Aside from being a huge online resource, and providing a large number of outstanding technical publications (you can find many at HRO), the ARRL represents us in Washington and frequently takes on the FCC. Without the presence of the ARRL in Washington, ham radio would not exist as we know it today. I encourage you to join if you're not already a member, but only if it fits easily within your budget and meets your needs. Ham radio is a hobby, after all, not a necessity.

Gregg Lane (KF6FNA) has agreed to be our Field Day Chairman for 2012. Perhaps we can get this activity back on track with Gregg's ingenuity and leadership ability. Let's support him in every way we can. Don Village (K6PBQ) is poised to reserve Mt. Madonna for us again. Field Day is held the fourth full weekend in June, or June 23-24 this year. Mark your calendars.

The 10-meter band is certainly alive after a long dry spell due to low sunspot activity. Anyone who has a Technician Class license can operate from 28.300 to 28.500 MHz using SSB voice and 28.000 to 28.300 using RTTY and data. General, Advanced and Extra Class licensees can operate anywhere from 28.000 to 29.700 MHz. I recently worked stations from Alaska to Florida to New Hampshire, the Virgin Islands, China, Japan, Uruguay, Argentina and Brazil in an afternoon on SSB. You can too.

Don't forget the 2-meter FM net on Monday nights, and the 10-meter SSB net (28.385 MHz USB) on Thursday nights. Anyone who has a license can join in.

73, Don, AE6PM



Calendar

1/9 SCCARA General Meeting1/16 SCCARA Board Meeting--(San Jose Red

Cross, 7:30p, all are welcome)

General Meeting

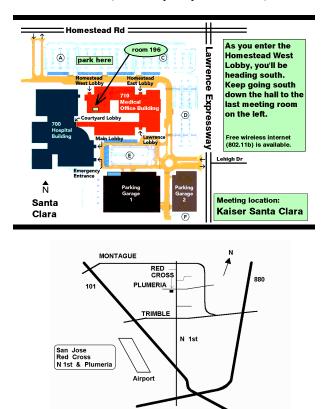
<u>Day:</u> Monday, Jan. 9, 2012

<u>Time:</u> 7:30 PM

Place: Kaiser Santa Clara, Rm 196

Featuring: James Brown, K9YC will speak on RFI

(radio frequency interference)



The SCCARA-GRAM is published monthly by the SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION, PO Box 106, San Jose CA 95103-0106. Permission to reprint articles is hereby granted, provided the source is properly credited.

The deadline for articles is the last Monday of the month.

SCCARA was formed 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.

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

OFFICERS & DIRECTORS

(all officers are also directors)

Don Steinbach, AE6PM 867-3912 President e-mail: ae6pm@arrl.net Vice President Fred Townsend, AE6QL 263-8768 e-mail: ftownsend@sbcglobal.net Past President

Viki Moldenhauer, KI6WDS 738-8781 Secretary e-mail: vym@comcast.net 259-7287 Treasurer Goetz Brandt, K6GKB e-mail: goetz@ix.netcom.com Station Trustee Don Village, K6PBQ 263-2789 e-mail: donvillage7@yahoo.com Director John Glass, NU6P 257-1034 e-mail: john_glass@att.net Director Lou Steirer, WA6QYS 241-7999 e-mail: wa6qys@aol.com Wally Britten, KA6YMD 293-3847 Director e-mail: ka6ymd@arrl.net Greg Lane KF6FNA 393-5607 Director

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SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU: 2 meter: 146.985 - PL 114.8 70 cm: 442.425 + PL 107.2

Phone auto-dial and auto-patch is available. The two meter repeater is located at Eagle Rock near Alum Rock Park in the foothills of east San Jose. The 70 cm repeater is located at the Regional Medical Center (formerly Alexian), east of downtown San Jose, north of 280 and 101.

SCCARA NETS

On our two meter repeater: Mondays at 7:30 PM, (not the second Monday--our meeting night). Coordinator: Don Village, K6PBQ. On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally Britten, KA6YMD. Visitors welcome.

NØARY PACKET BBS

SCCARA hosts the packet BBS NØARY (Mt Umunhum). User ports: 144.93 (1200 baud), 433.37 (9600 baud), telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU (packet info: www.n0ary.org/ncpa)

TELEPHONE NUMBERS

SCCARA contact Clark KE6KXO: 408 262-9334 ARRL/VEC Silicon Valley VE group, Morris Jones, AD6ZH: 408 507-4698

January Meeting

Our guest speaker for the January 9 meeting will be Jim Brown, K9YC. Jim was first licensed in 1955 and has lived in Santa Cruz since 2006. He is a retired sound system design consultant, specializing in systems for public places such as theaters, churches, stadiums, arenas, etc. Jim does technical writing and consulting on EMC (electromagnetic compatibility) and has published several research papers and tutorials on the topic. Jim will be speaking to us on some aspect of EMC and rf interference issues and their mitigation. Jim has made several presentations at Pacificon and is an accomplished and captivating presenter.

73, Don

ARRL News

From The ARRL Letter, December 1, 2011

FCC GRANTS SECONDARY SERVICE ALLOCATION TO WIRELESS BROADBAND MEDICAL MICROPOWER **NETWORKS**

In their regular meeting on Wednesday, November 30, the four FCC Commissioners unanimously agreed to allocate spectrum and adopt service and technical rules for the utilization of new implanted medical devices that operate on 413-457 MHz (70 cm). These devices will be used on a secondary basis as part of the Medical Data Radiocommunication Service in Part 95 of the FCC rules. The Amateur Radio Service also has a secondary allocation on the 70 cm band. These new rules are the result of a Notice of Proposed Rule Making that the FCC released in March 2009. A Report & Order that will define these new rules is expected soon.

According to the FCC, these devices would greatly expand the use of functional electric stimulation to restore sensation, mobility and function to those persons with paralyzed limbs and organs; they would be implanted in a patient and function as wireless broadband medical micropower networks (MMNs).

Calling the new rules an "advance[ment of] its mobile broadband agenda," the FCC said this will create "a new generation of wireless medical devices that could be used to restore functions to paralyzed limbs. Medical Micropower Networks (MMNs) are ultra-low power wideband networks consisting of multiple transmitters implanted in the body that use electric currents to activate and monitor nerves and muscles." The Commission also noted that its National Broadband Plan -- released in 2010 -observed "that the use of spectrum-agile radios and other techniques can significantly increase the efficient use of radio spectrum to meet growing demand for this valuable resource. MMNs illustrate how advanced technology can enable the more efficient use of spectrum to deliver innovative new services." Read more at www.arrl.org/news/fcc-grants-secondary-serviceallocation-to-wireless-broadband-medical-micropower-networks.

AMATEUR RADIO IN SPACE: AMSAT ANNOUNCES END **OF OSCAR 51 MISSION**

AMSAT-OSCAR 51 (www.amsat.org/amsat-new/satellites/ satInfo.php?atID=1) -- the popular FM repeater satellite -- has likely reached the end of its operational lifespan. AMSAT-NA Vice President of Operations Drew Glasbrenner, KO4MA, issued the following statement on November 29: "It is with a heavy heart I report that AO-51 has ceased transmission and is not responding to commands. The last telemetry data indicated that the third of six batteries was approaching failure to short, and observations indicate the voltage from three cells is insufficient to power the UHF transmitters. The IHU [internal housekeeping unit] may continue to be operative. Initial tests with the S band transmitter were also not positive, although more attempts are in order. We have tried leaving the satellite in an expected state where if voltages climb high enough, the 435.150 transmitter may possibly be heard. The command team will regularly attempt communications with the satellite over the coming months (and years). There is always the possibility that a cell will open and we could once again talk to our friend while illuminated. Thanks to all who helped fund, design, build, launch, command, and operate AO-51. Its 7 year mission has been extraordinary."

THE ARRL 10 METER CONTEST -- GET ON WHILE THE BANDS ARE HOT!

Ten meters -- in case you haven't heard, is alive in a big way! That means that the ARRL 10 Meter Contest -- coming up the weekend of December 10-11 -- is going to be the one of the best we've seen in years! During this event, many propagation modes will be available: Sporadic-E will help you work stateside stations, a touch of meteor scatter in the morning will give you split-second chances to work stations -- you'd better be quick, though! -- and DX stations will be plentiful, thanks to the return of F2 propagation. ARRL Contest Branch Manager Sean Kutzko, KX9X, said that he keeps hearing from numerous hams who have been licensed only three or four years, telling him that they've never experienced a 10 meter opening because they weren't licensed during the last solar cycle peak: "A common phrase I'm hearing is, 'Now I understand what all the Old-Timers in my club were talking about -- 10 meters is great! With a concentration of activity for the contest, there will be an opportunity for the first time in several years to experience the beauty of a wide-open 10 meter band. With so much excitement worldwide over the great conditions, the 2011 ARRL 10 Meter Contest could see the highest level of participation in a t i m e ! " Read long more www.arrl.org/news/the-arrl-10-meter-contest-get-on-whilethe-bands-are-hot.

From The ARRL Letter, December 8, 2011

NEW RULES FOR 60 METERS HAVE YET TO TAKE EFFECT

Last month, the FCC released a Report & Order (R&O) detailing new rules for the 5 MHz (60 meters) Amateur Radio band. These rules have not been published in the Federal Register. In order to be official, the rules must be published in the Federal Register and will take effect 30 days after the publication date. Any radio amateur who is operating under the new rules before this time is in violation of the current rules. The official date for these new rules will be announced on the ARRL website as soon as the information is available.

FASTRAC-1 SATELLITE DIGIPEATER ACTIVE

As of 1600 UTC December 2, the FASTRAC-1 satellite (FO-69) is open for use as a packet radio digipeater. Anyone with a 1200 baud packet TNC and a VHF/UHF FM transceiver can try it. If you own satellite tracking software (www.amsat-na.com/store/category.php?=Software), you'll find the latest orbital elements on the FASTRAC Web site fastrac.ae.utexas.edu/for_radio_operators/users/phpBB3/predictedorbit.php. FASTRAC-1 receives at 145.825 MHz and transmits at 437.345 MHz. The digipeater alias is FAST1. To connect to ARRL Headquarters station W1AW through FASTRAC-1, for example, you would send the following

packet:

C W1AW VIA FAST1

Reports of your results are welcome via e-mail to fastracsats@gmail.com, or at the FASTRAC Facebook page www.facebook.com/fastracsats.

From The ARRL Letter, December 15, 2011

DISTRACTED DRIVING: NTSB URGES STATES TO BAN CELL PHONE USE BY DRIVERS

On Tuesday, December 13, the National Transportation Safety Board (NTSB) recommended that States ban the nonemergency use of all cellular telephones and other "portable electronic devices" (PEDs) by drivers of motor vehicles. This would include hands-free cell phone operation and all text messaging while mobile. While this NTSB recommendation has been the lead story in national media, the "distracted driving" issue has been receiving serious attention for several years. A number of states and municipalities have prohibited texting and handheld cellular telephone use by all or some drivers, though none has gone so far as to outlaw all hands-free cell phone use. To avoid unintended consequences to Amateur Radio operation, the ARRL has been closely involved with this issue for several years. The full text of the NTSB report is not yet available, and it is not yet known whether the broad term "portable electronic devices" might be construed as including all or some Amateur Radio equipment.

On January 30, 2009, the Executive Committee of the ARRL Board of Directors approved and released an ARRL position paper on Mobile Amateur Radio Operation. In that paper, the ARRL encourages licensees to conduct Amateur Radio communications from motor vehicles in a manner that does not detract from the safe and attentive operation of a motor vehicle at all times, but points out that mobile two-way radio equipment has been in use for at least 70 years and is quite dissimilar from full-duplex cell phones. (Read more at www.arrl.org/news/ntsb-urges-states-to-ban-cell-phone-use-by-drivers.)

AMATEUR RADIO BALLOON FLIGHT CROSSES ATLANTIC, SETS RECORDS

Ron Meadows, K6RPT, and his son Lee -- leaders of the California Near Space Project -- successfully launched an Amateur Radio high altitude balloon from San Jose, California on Sunday, December 11 at 4:43 PM PST. The balloon reached a cruise altitude between 105,000 and 115,000 feet, where it continued its travel across the United States, the Atlantic Ocean and Spain and into the Mediterranean Sea. For most of its trip, the balloon traveled at about 150 miles per hour and eventually covered 6236 great circle miles in just 57 hours 2 minutes. According to the CNSP, this is a new Amateur Radio balloon flight record for both distance and duration. (Read more at www.arrl.org/news/amateur-radio-balloon-flight-crosses-atlantic -sets-records.)

HOUSE-PASSED PAYROLL TAX BILL INCLUDES AMATEUR RADIO STUDY

TAGS: amateur radio, amateur radio communications, amateur radio operators, amateur radio service, communications, disaster, disaster relief, disaster relief efforts, Emergency Amateur Radio, emergency communications, emergency response, homeland security, residential antenna installations, severe weather, US House 12/15/2011

The Middle Class Tax Relief and Job Creation Act of 2011 (HR 3630) -- the bill to extend the payroll tax reduction that passed the US House of Representatives on Tuesday, December 13 -- includes among its many other provisions the *Jumpstarting Opportunity with Broadband Spectrum Act* or *JOBS Act* that passed the Communications and Technology Subcommittee on December 1. The JOBS Act makes up Title IV of HR 3630 and includes the following:

SEC. 4205. STUDY ON EMERGENCY COMMUNICATIONS BY AMATEUR RADIO AND IMPEDIMENTS TO AMATEUR RADIO COMMUNICATIONS.

(a) In General- Not later than 180 days after the date of the enactment of this Act, the [Federal Communications] Commission, in consultation with the Office of Emergency Communications in the Department of Homeland Security, shall—

(1) complete a study on the uses and capabilities of amateur radio service communications in emergencies and

disaster relief; and

(2) submit to the Committee on Energy and Commerce of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report on the findings of such study.

(b) Contents- The study required by subsection (a) shall include-

(1)(A) a review of the importance of emergency amateur radio service communications relating to disasters, severe weather, and other threats to lives and property in the United States; and

(B) recommendations for—

- (i) enhancements in the voluntary deployment of amateur radio operators in disaster and emergency communications and disaster relief efforts; and
- (ii) improved integration of amateur radio operators in the planning and furtherance of initiatives of the Federal Government; and
- (2)(A) an identification of impediments to enhanced amateur radio service communications, such as the effects of unreasonable or unnecessary private land use restrictions on residential antenna installations; and
- (B) recommendations regarding the removal of such impediments
- (c) Expertise- In conducting the study required by subsection (a), the Commission shall use the expertise of stakeholder entities and organizations, including the amateur radio, emergency response, and disaster communications communities.

Such a study has long been sought by the ARRL.

HR 3630 is now up for consideration in the Senate where its prospects for passage are dimmed by the inclusion of a controversial provision concerning a pipeline project.

Meeting Minutes

General Meeting, Dec. 17, 2011



{No minutes were received by the deadline. –Editor}

Board Meeting, Dec. 12, 2011



Red Cross Building, 2731 N 1st St, San Jose CA Status: Unreviewed

The SCCARA Board Meeting was called to order by Don AE6PM

at 19:38.

Attendance: President: Don Steinbach AE6PM; Vice President: Fred Townsend AE6QL; Secretary: Viki Moldenhauer KI6WDS; Treasurer: John Altieri W6HW; Trustee: Don Village K6PBQ; Directors: Lou Steirer WA6QYS, Gregg Lane KF6FNA,; Wally Britten KA6YMD; Visitors: Goetz Brandt K6GKB, Herman DeKruyff KI6ETZ; Absent: John Glass NU6P, Gary Mitchell WB6YRU.

Announcements: Don AE6PM announced the SCCARA-gram inputs are due to Gary no later than December 26.

Treasurer's Report: checking = \$7532.85; savings = \$500.00; cash = \$35.45; total = \$8068.30. The incoming treasurer will need a copy of Quicken which the club will provide. The treasurer transfer will happen in January.

Secretary's Report: The November board meeting minutes were reviewed; Viki KI6WDS made corrections to the signature lines. Don moved to approve, there were no objections.

Vice President's Report: Fred AE6QL has lined up James Brown to speak on RFI at the January meeting; he also has a PDF which Fred will send to Wally KA6YMD to put on the web page. Don AE6PM requested publicity for the meeting in the SCCARA-gram, and perhaps an email list. Clark KE6KXO brought a business card for a potential speaker.

Discussion Topics:

Membership - The club roster was reviewed for Silent Keys and members who have moved away. For the clubs without email addresses, Viki will try finding an address and sending a test email. For the members on the "Unpaid before 2011" list, Viki will send a nudging email.

2M repeater - Don AE6PM clarified the availability of an antenna for the repeater; Gregg confirmed there is a new triband in storage at Clark's. The antenna at the city of San Jose site is probably defective: the city has declared the pole tower a hazard and won't let anyone climb it. They will possibly cut the poles down; even if the antenna survived the landing, it is old. Don also reported the duplexor was functional when it left his place for Regional, and that the club has the instructions for retuning it. Fred AE6QL would like John Glass NU6P at a meeting for discussion of the proposed repeater. A brief discussion on specs followed. Don AE6PM re-read the motion made at the September 19 Board meeting to purchase the repeater; Lou made a motion to move ahead with the purchase of a TKR-750 not to exceed \$2000, Gregg seconded, the motion carried unopposed. Don AE6PM took an action item to follow up and make the purchase at the best deal.

Red Cross HF antenna project - Lou and Gregg report no progress.

2011 Field Day recap - Attendance was pretty good but we were missing some regulars and were short of people to set up. Lou suggested having people pay 10\$ in advance that they get back when they show up. We need someone other than the chairman to schedule people. We had no PIO ahead of time, or manning a public information table. The GOTA station was ok with a 20m delta loop with a tuner (although it got squashed by the CW station), but we got no bonus points. Regarding technical problems, we lost the generator, and the CW station had problems with a low battery.

A discussion on the antennas used followed, with the suggestion of next year using one tower with a longer mast and stacking the 2 beams orthogonal to each other. Fred suggested we need a master antenna plan, such as having no dipoles face to face, and putting the CW station as far away as possible given the campground constraints. PAARA spends 6 months planning their 4 stations.

Don AE6PM also mentioned we have a set of filters for phone and CW in his garage.

In the midst of the discussion, Gregg got volunteered to be next year's Field Day chairman and graciously accepted.

Continuing the technical review, the rotor cable got fixed, and Fred had checked all the coax and connectors. The generator burned up; the board will review pricing of a replacement closer to Field Day. Gregg will also research a gas can that refills the generator while it is running. Regarding scoring, we must remember the deadline is not the end of the month, but is exactly 30 days after the event.

Miscellaneous Reports and Announcemnts:

Station Trustee: The Christmas luncheon is this next Saturday. Don K6PBQ will make reservations next Thursday to reserve Mt. Madonna park for Field Day Friday and Saturday nights Jun 22 and 23. He also received QSL cards and a special event certificate. The station will be open next on Jan 28th, after the SVECS breakfast.

Newsletter Editor and BBS: Gary WB6YRU had sent email status ahead of time; the newsletter and BBS are going fine. The mailing list has a couple of glitches and is under 40 addresses.

Repeater Chairman: The repeater is going along. John W6JPP has been hearing unidentified attempts to command the 2M repeater late at night.

Lou reported that he had gone to QRZ and saw that our calls W6UU and W6UW have a mix of addresses (he didn't check the address of record at the FCC); these need to be corrected. John W6HW had taken over W6UÚ to change the PO box but couldn't get control of W6UW. Fred AE6QL will fix the addresses.

Don AE6PM adjourned the meeting at 21:05.

Viki Moldenhauer, Secretary KI6WDS

Packet Pieces

Downloaded from the BBS packet network:

Date: 26 Jul 2011 05:27 From: W1GMF@W1GMF To: HUMOR@USA Subject: Doctor's Strike

Doctors at a hospital in Brooklyn, New York have gone on strike. Hospital officials say they will find out what the doctors' demands are as soon as they can get a pharmacist over there to read the picket signs.

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 fill out an Elmer form from the club secretary.

Antennas, feed-lines, tuners: WB6EMR, W6JPP, K6PBQ, WB6YRU Lightning protection, grounding: WB6YRU Station set-up, equipment: K6PBQ, W6JPP TVI/RFI: WB6YRU

Homebrew projects, construction: KD6FJI, WB6YRU Computers: older IBM PC: WB6YRU

Packet Network (BBS, forwarding): WB6YRU

Code operating and installations: WB6EMR, K6PBQ

DX (long distance/propagation): WB6EMR Emergency operating/preparedness: WA6QYS

HF operating techniques (SSB, CW): WB6EMR, K6PBQ Legal/FCC rules: WB6YRU

SCCARA (club inner workings): K6PBQ, WB6YRU, WA6QYS EchoLink: KK6MX

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

KD6FJI, Lloyd DeVaughns, (408) 225-6769 e-mail: kd6fji@arrl.net

KK6MX, Don Apte, (408) 629-0725 e-mail: kk6mx@aol.com

W6JPP, John Parks, (408) 309-8709

e-mail: w6jpp@arrl.net

K6PBQ, Don Village, (408) 263-2789 e-mail: donvillage7@yahoo.com

WA6QYS, Lou Steirer, (408) 241-7999

e-mail: wa6qys@arrl.net

WB6YRU, Gary Mitchell, (408) 269-2924

packet: home BBS NOARY

e-mail: wb6yru@ix.netcom.com

Newsletter Notes

The number of paper SCCARA-GRAMs mailed out has dropped to an all time low. The mailing list count now stands at 32. This represents a significant savings to the club.

The newsletter is one of the biggest ongoing costs that the club has. Thanks to the many of you who opted to get the SCCARA-GRAM in electronic form (pdf file from the club web site).

To those who still get the paper version: there are other advantages besides saving the club a bundle. Of course it's nice to have a paper copy, but with the PDF version, you can print out as many copies as you like or any portions of it and it will be perfect copies, not something that survived a trip through the post office. The printed and mailed paper copy is made from the same pdf file that you folks download from the web site. Also, if you keep your copies of the SCCARA-GRAM, there's no space taken up on your bookshelf with the electronic version.

Back issues in pdf (or printed) are available upon request. Eventually we'd like to have back issues available on our web site.

73, Gary WB6YRU, editor



SCCARA Santa Clara County Amateur Radio Association PO Box 106 SAN JOSE CA 95103-0106

Affiliate of the ARRL, American Radio Relay League



FIRST CLASS

ADDRESS SERVICE REQUESTED

SCCARA Membership Form for 2012 If none of your info has changed, fill in name and call only

Name:		Call:		Class: E A G T N
Address:				Licensed since (yr):
City:	State:	Zip:		Licence Expiration - Date (mo/yr):
Telephone: ()		ew Member m also a member	\square Renewal r of the ARRI	
E-mail:				
Memberships begin January 1 and explif renewing: annual membership due For new members: If joining in January: base rate If joining in February through Och If joining in November or December of Dec	es (base rate) are: \$20 Inc etober: base rate x (11 -	month) x 10%	(e.g. for June	e, that would be: base rate x 50%)
\$ Dues payment for	r: □ individual □ fam	ily □ student		
For family memberships (at the same address), please include a separate form for each family member.				
I want the newsletter by:	☐ U.S. Mail	☐ internet (make	e sure your e-	mail address is legible and correct)