

A newsletter by and for the Palomar Amateur Radio Club of San Diego, CA, USA.

Reminders

- Nov 1 *PARC meeting*
- Nov 5-7 *CW Sweepstakes*
- Nov 15 *SDGARES EMS drill*
- Nov 19-21 *Phone Sweepstakes*



Individual Highlights

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President's Letter

Our October Program was the annual PARC Auction. Bargains were had and the auction ran smoothly. I would like to thank those that made it happen, particularly for Tom Martin, KG6RCW, who planned it and recruited the help, and also to Art McBride, our Auctioneer. Marvin Munster, WB6PKK, who provided the paperwork and assisted John Kuivinen, WB6IQS, on the floor, and Bob Birch, KG6RGI, who entered all of the data necessary for timely receipts. The November 1st Program will be a presentation on the Tucson Amateur Packet Radio Corporation (TAPR) Digital Communications Conference, which was held September 15-17, in Tucson, Arizona. The presentation will be given by Mark Raptis, KF6WTN.

At the November meeting nominations for next year PARC Board of Directors will be made. This year's Nominating Committee, as announced at the Auction, is Art McBride (KC6UQH), Jo Ashley (KB6NMM) and Rod Dinkins (AC6V). Halloween is past and the holidays are fast approaching. The season is changing and the weather is getting cooler. On Sunday, November 5th, a Work Party will meet on the repeater site to prepare it for this coming winter's weather. Tentatively, this event will concentrate primarily on any weather proofing that is deemed needed. This is an opportunity for newer HAMS and members to check out the repeater site and help with some of the less technical aspects of repeater site upkeep. We will meet at Mothers Kitchen at 10:00 AM, that morning. Keep an eye on palomararc.org, and an ear open at the November meeting for additional

information. The December meeting will be our annual elections and Christmas Social. This is an opportunity to let next year's leadership know what you would like from the club. With the Holidays approaching and New Year's resolutions just around the corner, this is a good time to consider more involvement in Public Service, through Amateur Radio.

Many of us serve various causes through such Amateur Radio related organizations as ARES, RACES, SATERN, the Red Cross, etc. We have put in many long hours and have earned the satisfaction of making a difference. This is a very personal sense of satisfaction that can be had by anyone, including you. For the past several years, I have had the pleasure of teaching Amateur Radio License Exam Preparation Classes. I have met many fine ***continued sidebar page 7***

Miramar Air Show 2006

By Howard White, KY6LA

With an attendance of 750,000 people over just 3 days, Marine Corp Air Station Miramar Air Show is by far the largest concentration of people in San Diego County for an event. It therefore poses many special challenges for Public Safety Responders. San Diego Amateur Radio Services Inc, (SDGARES), is the largest and fastest-growing (Membership up over 50% to 252 responders just in the last 4 months) Ham Radio Emergency Communications provider in the County. SDGARES plays a vital public safety role at the Air Show. Our

responsibility is to provide primary backup emergency communications for San Diego Hospital Emergency Services (EMS). Because of our recent successes at the implementation of the Department of Homeland Security (DHS) mandated Incident Command System (ICS), the SDGARES role was upgraded to the primary backup communications provider for EMS. Nineteen SDGARES responders maintained continuous communications coverage to 9 area hospitals throughout the 3 day show in case there was a "Big One". Throughout the show, Senior County EMS

personnel would visit our Mobile Command Center to confirm our readiness for action.

If EMS were not enough to keep us busy, even more active were 46 SDGARES responders who provided search and rescue communications at MCAS Miramar for Lost and Found Children and who also assisted RACES with other Communications Emergencies. We were based in Don Bloom's (KG6QQQ) RV, which after 36 man hours of labor we had converted into our Mobile Command Post. SDGARES Responders all wore bright orange and ***continued on page 5***

By Paul Williamson, KB5MU

Here are a few interesting tidbits from the AMSAT Space Symposium held near San Francisco in October. The big news seems to be that "software-defined transponders" (SDX) are coming soon. A traditional satellite transponder connects the analog IF output of a receiver to the analog IF input of a transmitter, repeating every signal on the uplink band, amplified, on a downlink band. An SDX modifies this by sampling the received signal, passing it through a DSP for processing, and sending the output samples directly into a digital transmitter. The digital transmitter is more efficient, and has a much higher dynamic range (80+ dB) than HELAPS (26 dB), the high-efficiency analog technique we've been using on transponders. The SDX demonstration at Dayton was a hit; everybody said it "sounds sweet" and it was quite robust to interference. As a nice side effect, the DSP can also make every input signal the same strength, so that "alligator" stations using too much uplink power won't cause a problem anymore. Beyond that, the DSP can insert signals of its own (such as telemetry beacons) and even receive and act on uplink signals, all with no additional hardware. This technique is scheduled to be used not only in AMSAT's big Eagle project, but also in AMSAT-DL's Phase 3E satellite and much smaller satellite projects such as AMSAT-UK's ESA SSETI ESEO.

Many small satellite projects are in the works. The US Naval Academy is working on ANDE, RAFT, and MARScom missions.

Space Symposium Report

South Africa AMSAT is working on Sumbandila (roughly, "Pathfinder"). AMSAT-ZL (New Zealand) is working on KiwiSAT. And that's not to mention all the tiny "CubeSAT" spacecraft from educational institutions world-wide. AMSAT's policy of concentrating on larger, high-orbit spacecraft and leaving the small, low-orbit spacecraft to the rest of the community seems to be working out well.

AMSAT's Eagle project has been subjected to some hard-eyed engineering scrutiny. There's a new mechanical design and a definite, feasible set of payloads now. An analog transponder will cater to the traditionalists with primary uplink on 70cm (U band) and downlink on the 2m (V band), plus secondary uplink on 23cm (L band) and downlink on the 2.4 GHz (S1 band). The U/V transponder should be usable over 75% of the orbit, but the L/S1 transponder will have a shorter access window due to antenna constraints. All these transponders will be implemented digitally with SDX, but ground stations will still use normal SSB/CW equipment.

Piggybacked on Eagle's U/V transponder will be a digital short message service intended to be workable from a hand-holdable device. Envision a standard PDA clipped into a transceiver cradle, with a smallish omnidirectional antenna on top. AMSAT will have to develop the cradle and make it available to all at a reasonable price. Exact details of what kind of services will be offered are still to be determined, but expect something like internet Instant Messaging

with some exciting twists. A hand-held satellite station could be just the thing in some emergency communications scenarios.

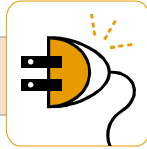
The primary service on Eagle will be a digital voice and data system called the Advanced Communication Payload or ACP, with uplinks on 3.4 GHz (S2 band) and downlinks on 5.8 GHz (C band). Steerable phased array antennas on the satellite will make these links available for 75% of the orbit. Two classes of user stations are envisioned. A user with a single 60-cm (about 2 feet) diameter dish will be able to operate digital voice or about 4800 bits/second of any kind of streaming data. A user with a big dish (6 feet) will be able to do the same, and also handle higher-rate data streams, fast enough for compressed digital video. Here too, AMSAT will make available ground station equipment kits to make it possible for anyone to get on the air without being a microwave guru or independently wealthy. The small dish service is specifically designed to be usable by apartment dwellers and those constrained by antenna restrictions: the small dish isn't so different from a satellite TV dish. It will have to be pointed at the satellite, but only in one axis if the preferred orbit is attained.

The ACP is designed to take advantage of advanced digital techniques to maximize performance. It can handle about 20 simultaneous digital voice (or low rate data) channels, and all of the voice channels are transmitted as a single unified data stream. That means that a user station can, if desired, listen to any

or all of these channels simultaneously. Each user's uplink can be addressed to a logical channel, which might be a one-on-one QSO or a conference room. It's all done in software. This opens some very interesting possibilities. As part of the campaign to get the ground station hardware into the field, I am hoping that AMSAT will make this system available for terrestrial applications, well before Eagle's launch.

For those interested in antenna design, Tony AA2TX came up with two novel variants on the Lindenblad antenna. A traditional Lindenblad is four folded-dipole driven elements in phase, arranged in a square, each tilted 30 degrees from horizontal. It generates a nice omni sky-coverage pattern, circularly polarized, just the thing for low-orbit satellites with relatively strong signals. Tony's design for 2m replaces the folded dipoles with regular dipoles, and uses a tuned coax phasing harness and slightly overlength elements to achieve low SWR without the mechanical complexity of folded dipoles and their twinlead feedlines. Tony's design for 70cm eliminates the feedlines altogether, driving an indenblad-like array of parasitic elements with a vertical dipole at the center.

Both designs are easy and inexpensive to build using hardware-store plumbing parts and aluminum tubing. More information on Eagle and other upcoming satellites is available on www.amsat.org. The printed Proceedings of the Space Symposium will be available from the AMSAT store -- www.amsat.org and click on "Store". †



Club Classified Ads

Personal equipment ads are free to members and could be bumped after 3 months. Make up your ad like the ones on this page and send to SCOPE@PALOMARARC.ORG

Commercial ads in big boxes: \$2/col. inch/month. We will squash your ad copy to the number of inches bought.

(10.23) **Silent Key, WB6CLT** - selling all equipment and antenna (new in box). Asking for fair offers. Let your conscience be your guide. Swan: 120 single sideband transceiver; 250C transceiver; ICOM: 1C-V8000 VHF FM transceiver w/antenna; IC-21; Heathkit: Oscilloscope Model 10-17; Frequency Scaler 1B-102; frequency counter 1B-1100; Hybrid phone patch HD-15; SD-610; HW-8 receiver; HWA-7-1 Power supply; HM-21-2 Astron SS30 power supply, Butternut antenna and all attachments Model HF9V still in boxes; Master control center CV89-URA-8A. Most have manuals. Contact Eileen 619 417-3113, 760 788-6345 or inkydew@aol.com

(10.18) Like New Icom VR-500 Wideband Scanner. Complete in original box with all original accessories: antenna, battery charger, belt clip and factory manual. Also included are the ADMS-3 programming software and a Nifty Ham Accessories quick reference guide. Price: \$155. Contact: N6FN - Bernie at 760-781-5522 or email at n6fn@niftyaccessories.com

(9.26) For Sale: 2 MFJ Loop tuning Capacitors: One Large, one small. Brand new. Never used. \$70/\$55.

Contact Ron, K2RP (760) 436-8109 K2RP@ARRL.NET

(8.27) For Sale: Like New Icom IC-20R, Dual Receive Wideband IC-R20 Scanner and CS-R20 Programming Software. In original box with all accessories: antenna, battery charger, belt clip and factory manual. Also comes with the Nifty Accessories Mini-Manual and wallet card reference guides, CS-R20 Cloning software and PC interconnect cable. Price: \$380. Contact: Bernie at 760-781-5522 or email at n6fn@niftyaccessories.com

(6.28) WANTED: About 0.6 Farads (600,000 uF) or bigger worth of computer grade capacitors (typically they have 10/32 screws on the top) at 25 VDC or better. For homebrew spot welder to make battery packs. Multiple Capacitors OK. Must be cheap. John, WB6IQS (760) 727-3876

(5.24) For sale: 38 foot, two section self-supporting, crank-up tower. NEW, Never installed. U.S Tower HDX – 538, Heavy-Duty, Commercial grade with the TRX – 80 Raising fixture hand crank and cable. Does need second hand crank and tower cable. \$600 takes it all and it is now laying on the ground ready to be moved. Larry, WQ6V Contact person Bob Layton (760) 726-1706 in the Vista area.

HAM RADIO

Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

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Committee Chairpersons

| | | |
|-------------------|------------|-------------------------------------|
| ARES Info | Tony | KC6YSP |
| ARES Net | Dennis S. | K7DCC@amsat.org |
| Attendance | Al | W6GNI@amsat.org |
| ATV | Art | KC6UQH@amsat.org |
| Auction | Tom M. | KG6RCW@amsat.org |
| Badges New | Al | W6GNI@amsat.org |
| Batteries | David | BK6EBYDAT@Gerry.Palomar.caltech.edu |
| BBS Monitor | Bill B. | N6FMK@amsat.org |
| Billing Ads/etc | Jo A. | KB6NMK@amsat.org |
| Contest Info | Dennis V. | N6KI@amsat.org |
| Control Ops | Filled | W6NWG@amsat.org |
| Del Mar Fair | Jim Cooper | NE6O@amsat.org |
| EmComm | Harry | W6YOO@amsat.org, |
| | Dennis V. | N6KI@amsat.org |
| Field Day Tech | John K. | WB6IQS@amsat.org |
| Inventory | Dennis B. | KD6TUJ@amsat.org |
| New Member | Christy M. | K16AOL |
| Nets | PARC | Board@palomararc.org |
| Newsletter | Michelle | W5NYV@amsat.org |
| Patch Info | Stan | W9FQN@amsat.org |
| Patch Electronics | Jerry H. | WB6FMT@amsat.org |
| Picnic | Mark R. | KF6WTN@amsat.org |
| Power AC/DC | Mike P. | K6MRP@amsat.org |
| Programs | Dennis B. | KD6TUJ@amsat.org |
| Publicity | Terry R. | K3PXX |
| QSL Cards | Harry H. | W6YOO@cox.net |
| RACES Info | Jo A. | KB6NMK@amsat.org |
| RED Flag | Steve | AD6VI@amsat.org |
| Repeater Site | Mike P. | K6MRP@amsat.org |
| Repeater Tech | Mike D. | AB6QT@amsat.org |
| SANDARC | Jin/Steve | NE6O/AD6VI |
| Seller Table | John K. | WB6IQS@amsat.org |
| Testing VE | Rusty | dunedancer@cox.net |
| Trustee | Mike D. | AB6QT@amsat.org |
| Web | Paul W. | www.palomararc.org |

Contest Calendar

| | |
|--------|--------------------------------------|
| Nov 3 | PSK63 Sprint |
| Nov 4 | IPARC Contest, CW |
| Nov 4 | Ukrainian DX Contest |
| Nov 4 | ARRL Sweepstakes Contest, CW |
| Nov 4 | NA Collegiate ARC Championship, CW |
| Nov 4 | IPARC Contest, SSB |
| Nov 5 | High Speed Club CW Contest |
| Nov 5 | DARC 10 Meter Digital Contest |
| Nov 5 | ARS Spartan Sprint |
| Nov 11 | WAE DX Contest, RTTY |
| Nov 11 | ARRL EME Contest 50-1296 MHz, Part 3 |
| Nov 11 | JIDX Pone Contest |
| Nov 11 | OK/OM DX Contest, CW |
| Nov 11 | Kentucky QSO Party |
| Nov 11 | CQ-WE Contest |
| Nov 16 | NAQCC Straight Key/Bug Sprint |
| Nov 17 | YO International PSK31 Contest |
| Nov 18 | SARL Field Day Contest |
| Nov 18 | LZ DX Contest |
| Nov 18 | EUCW Fraternizing CW QSO Party |
| Nov 18 | OE 160 Meter Contest |
| Nov 18 | ARRL Sweepstakes Contest, SSB |
| Nov 18 | RSGB 2nd 1.8 MHz Contest, CW |
| Nov 18 | NA Collegiate ARC Championship, SSB |
| Nov 19 | EU PSK63 QSO Party |
| Nov 20 | Run For The Bacon QRP Contest |
| Nov 25 | CQ Worldwide DX Contest, CW |
| Nov 30 | ARCI Topband Sprint |

At least three really big contests this month, especially if one is into chasing DX or WAS. Rules as usual may be found in QST, CQ, NCJ, Worldradio as well as several contest web sites. Hope to see you in the contest. 73, Harry/W6YOO

Repeater Information

52.680 W6NWG -0.5 MHz, Autopatches: 146.730-, 147.075+, *147.130+, *447.000-
 PKT: 145.050s (PALMAR/W6NWG-1) 146.700- (Duplex Pkt) PALBBS/EMG use 145.070/146.700- (W6NWG-3/PALBBS)
 ATV input: 915 wbfm, 2441.25 wbfm
 ATV output: 1241.25 MHz am
 Intercom: 146.415 PL 79.7 nbfm
 Affiliated: 224.380-, 224.940 KK6KD (HARS) 447.050-, 145.260 KK6KD (HARS) 146.175+ N6FQ (Fallbrook ARC)
 Linked to: 445.600-, 224.900- WD6HFR (Corvair/220 ARC), 446.140- WB6FMT (123.0) Vista

† under repair * 107.2 Hz PL Tone

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 yellow ID vests marked "Emergency Communications" so that our patrol could be easily identified by people needing assistance.

We reunited 44 lost children with their care givers. We rescued 5 Alzheimer patients and 2 attendees with Down Syndrome from dangerous situations. We even stopped a potentially serious domestic violence situation. We worked more than 1,275 man hours for the show.

Let me give you some example of the other ways that SDGARES made a difference. First and foremost, Miramar is about as good as it gets as a training opportunity. It is the equivalent of a communications Live Fire Exercise.

You have several hours of low-action hands-on training before it gets very busy. Every day starts off very slowly. We have lots of time in the morning to train scribes and net control operators. Our

policy under ICS of rotating as many net control operators and scribes through each position really pays off. In the days before SDGARES implemented ICS, Net Control was the personal property of 1 or 2 senior ARES people who generally controlled all nets. However, in a true emergency, the chances of those few senior people being in the position to assume net control are at best remote. Under ICS, everyone is encouraged to be cross-trained at as many positions as possible. This way, the first person on the air may be able to assume net control, and therefore increase the efficiency

and effectivity of the operation. This aspect of ICS worked very well at Miramar. The highlight of Saturday was that we had a lost 25-year-old with Down Syndrome with 2 children (5 & 8). During that

Search, we had Kathy Madsen, KF6DGA, as Tactical Net Control. It was her first time participating as a SDGARES Responder. Using the staff accountability logs, Kathy was able to vector the search teams to the suspect area. This was an exceptionally difficult search as two small children accompanied by an adult do not look lost. Dan Musick KG6VVN was able to recognize them. It was wonderful to see Dan and Mitch K6BK herding the three of them back to lost and found. What was truly amazing was the round of applause that Dan and Mitch received from the Marines and the Lost and Found Ladies. This was what we were there fore. Everyone was inspired by the successful conclusion of this potentially
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We need a few new members for the Fold & Staple group that puts the SCOPE together each month. We meet on the last Wednesday of the month in Vista. A good social event, with many subjects to discuss.

If you can make a noon meeting on that Wednesday, please drop in at the "Membership" Table at the back of the room during a meeting, or send e-mail to Al Donlevy (w6gni@amsat.org) Thanks, Al



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dangerous situation. The most humorous event on Saturday was the 4 year old who managed to get lost twice within an hour. What made Sunday so special for me were the 3 young hams (Doug KG6WLR, Marc KG6YYF and Marcus KI6FRO) from Mt. Carmel High School and the two Venture Scouts (Josh KI6FCN and Matt KI6EZM). They trained at all positions and assumed all levels of responsibility. Even more importantly, during the intense afternoon period where we found and reunited 18 missing children with their caregivers, net control was manned continuously by hams less than 18 years of age.

These young volunteers vectored the SDGARES search teams to the correct grids. They managed the information flow to the search teams. They scribed the logs. One of them even figured out how to use the RACES packet system. They did an incredibly professional job in a very high stress situation, and should be commended. The most dangerous situation was a 4-year-old girl who was lost outside of the flight lines. She was found wandering through heavy traffic.

So why was it such a great day for SDGARES? Because we got our systems working to perfection! SDGARES Search Teams got so good at finding children that we usually cleared the incidents before we could even communicate the missing person reports to RACES.

As the Marines no longer had budget to feed us, SDGARES had 3 days of all-day BBQ's for the Marine MPs and the Lost and Found Ladies. Pat, WA6MHZ, produced something called Breakfast Jacks that were so out of this world that Marines from all over lined up for them. SDGARES Inc is a 501.3 charitable corporation. Our Board of Directors authorized a budget of \$1,300 for the show for equipment, the rental of a golf cart for logistics, food for the SDGARES staff and Marines and ID Vest Uniforms. We ended up spending only \$840 but through the generosity of our Donors and Responders we actually raised \$860 during the show and covered all expenses. ↓

PARC Repeater Policies

**A Response to Howard White's Commentary
by Steve Early, AD6VI**

Howard White, KY6LA, in a Letter to the Editor, brings up the lack of a Memorandum of Understanding (MOU) between San Diego ARES (SDGARES) and the Palomar Amateur Radio Club (PARC) as an impediment to using PARC repeaters for events.

Events include practices, drills, and other planned-in-advance uses of the repeaters. Events are not emergencies, which by their very nature are unplanned. PARC has policies for both events (planned) and emergencies (unplanned).

Because PARC repeaters have such a broad range, we anticipate two or more groups will each ask for full use of the repeaters during an emergency. We decided that the only way to do this fairly was that during emergencies we'd have a "play nice" policy. In other words, groups would be expected to share the communications resource and work with each other.

For non-emergencies we decided upon a 72 hour notice of exercises. The notice is needed for two reasons. First, because we have scheduled nets that we want to avoid conflicts with. Second, we don't want two events at the same time on the

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PARC Repeater Policies

**A Commentary for the SCOPE
by Howard White, KY6LA**

Seven different frequencies and repeaters were used during the 2006 Miramar Air Show. As a Member of PARC, I am ashamed to tell you that due to Palomar Emergency Communications Policies, none of the Palomar Repeater could be used for the Miramar Air Show. There are two policies that cause problems. It is my hope that these policies can be reviewed.

First, unlike other repeater owners in San Diego County, the Palomar Amateur Radio Club does not have a written Memorandum of Understanding with SDGARES. As a result, every time SDGARES needs to use a Palomar repeater it must submit a written request no later than 72 hours before the event and then wait an undetermined time until the usage may be authorized.

On the surface this is not an onerous policy, but as the SDGARES Emergency Coordinator for Miramar I had already spent more than 200 man hours on recruiting and logistics. I just did not have the time to deal with the effort and uncertainty that this policy entailed. It's much easier with an MOU. I would like to ask PARC to consider thinking about establishing an MOU with SDGARES.

Secondly and more seriously is that the PARC policy states that all net controls for a public safety event must be PARC members. This is the antithesis of ICS, which emphasizes interchangeability. As the coordinator I would have been required to check everyone's PARC membership status before they could have taken over net control at the air show. If using PARC repeaters with nonmember net controls violates club policy, SDGARES cannot jeopardize public safety and service by using PARC repeaters.

Where do we go from here? SDGARES continues to grow by leaps and bounds. Most of the older leadership has retired to the Honor Roll and new young energetic leaders have emerged. We have great relationships with CERT teams around the county. Now that SDGARES operates under ICS, Red Cross is talking to us about increasing the ARES role there again.

We are on the County Emergency Plan as primary backup for Hospital EMS. This weekend we provided public safety communications for the San Diego 100 Mile Run. We have a major drill with hospitals in November and we provide communications for many public safety agencies such as the Lifeguards.

And, of course, there is always Miramar 2007 and hopefully there will be a written Memorandum of Understanding with ICS friendly policies between SDGARES and PARC so that PARC can make a difference as well.

You can read about and sign up for Miramar 2007 at www.sdgares.org along with our many other meetings, practices, drills, and public service events. ↓

License and Class Information

Register 5-7 days in advance for the following test sessions.

☑ PARC Testing is in Carlsbad on the 2nd Saturday of the month at 9:30am at the Carlsbad Safety Center. Test sessions may be cancelled if no one pre-registers. Contact Rusty Massie AA6OM at (760) 747-5872 or dunedancer@cox.net.

☑ EARS Testing is in Escondido on the Last Saturday of the month at 9:00 am at Fire Station # 1 Escondido Fire Department.

The address is 310 North Quince Street, Escondido CA 92025.

Contact Harry W6YOO (760) 743-4212 or W6YOO@amsat.org.

☑ "The ARRL Technician Class Course for Ham Radio Licensing" Course No. EC-010 \$99 ARRL members / \$139 non-members. Courses begin on the first and third Tuesday of each month. For more information, email cce@arrrl.org or via regular mail to ARRL CCE, 225 Main Street, Newington, CT 06111.

Updates

by Paul Williamson, KB5MU

The transceiver version of the v6 SoftRock board is now available in beta. The receive-only boards are still available as well. Details at the [softrock40 Yahoo group](#).

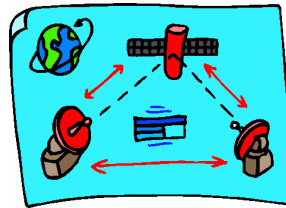
HIT-SAT, a small cubical satellite from Hokkaido Institute of Technology in Japan, was launched successfully on September 23 and is now known as ↗

HIT-SAT-OSCAR 59. Listen for CW telemetry on 437.275 MHz and FM packet on 437.425 MHz.

<http://www.hit.ac.jp/~satori/hitsat/index-e.html>

for more information.

Listen for experimental stations between 505 and 510 kHz (600 meter band). ↴



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people on their way to joining our ranks.

In the past two years, I have noted a significant interest coming from members of various CERT (Community Emergency Response Team) programs throughout San Diego County. I have seen classes grow from 5 to 10 students on average, to 40 to 60 students each, in just the last few months. (42 registered for the recent 10/7 Escondido Class and 60 registered for a recent Mira Mesa Class). These folks are the ones that will be helping us keep amateur radio alive and they need our help! Currently, the help that all new (and potential) HAMS need the most is in 1) Earning their licenses and 2) Being "Mentored" onto the air.

To this end, I am asking each and every one of you to consider becoming an instructor, a mentor, and/or a Volunteer Examiner. Teaching a Tech Class is easy. Heck, even I can do it! PowerPoint Presentations and teaching aids are available that anybody can use.

The hard part is making the time available for one-on-one help to get a new HAM on the air. This is where each of you can help the most.

PARC is looking to put together a regularly scheduled seminar / class for new HAM's. I am looking for both seasoned Veterans of Amateur Radio and recently licensed operators to Help Make This Happen. The goal is to have enough Elmers (new and old) to give one-on-one and one-on-two type attention, on a regular monthly/quarterly schedule. If you are **continued sidebar page 8**

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interested, please give me a call (619) 461-2818, or look me up at a PARC Membership Meeting.

I hope to see you at the PARC Meeting on Wednesday, November 1st.

Steve Early
President, PARC ↓

Silent Key

Notice from AC6TS

Larry R Ruegseger, WA6UTQ, passed away at 4:00 PM October 22 at Scripps Chula Vista after a long bout with congestive heart failure and cancer.

He knew he was terminal and had a good time until he was unable.

His wife Isabel, KE6DFA, called me yesterday to inform me.

Larry was a member of PARC and had moved to Ensenada, Mexico. He was instrumental in getting the original set of batteries from Pacific Bell for the repeater site. He also served on the fold and staple committee. He will be missed.

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repeater. In other words, we do our best to support exercises provided that we haven't given permission for another one.

The request for notice of an event is not required because we want to control other groups. We simply want to maintain coordination of our own repeaters for non-emergency use, which includes practice events like the Miramar Air Show.

No group should have the right to co-opt our 146.730 repeater at any time, for any reason, all in the name of spontaneous training. If a group goes to the effort to plan a training or practice event, then giving notice to the board of directors of PARC isn't an unreasonable thing to ask.

For emergencies, the 72-hour notice does not, has not, and will never apply.

Howard's second point is that the PARC Net Control Operator Policy applies to Special Events, such as the Air Show. It does not, and it never has. Howard and I have discussed this policy on several occasions. Howard knows that the PARC Net Control Operator (NCO) Membership requirement applies only to regularly scheduled nets.

The Regular NCO's PARC Membership requirement is to ensure that:
(1) The Net Control Operator has ownership and supports PARC Policy and procedures and
(2) To encourage net participants to join PARC and share the financial burden of maintaining the assets (repeaters, etc.)
Note: electricity alone is around \$1,300 per year.

It is the position of PARC that if a group cannot ensure that it has at least one member (the Net Control Operator) helping to pay PARC's regularly scheduled bills, then that group should not be using PARC repeaters for regularly scheduled nets.

Special events are exempt from this policy, but membership is still highly encouraged.

The PARC Board of Directors is open to signing an MOU with ARES, but will not agree to cede total control of any club repeater to any other organization except in cases of actual emergency.

continued next column

Current PARC Repeater Usage policy:

Casual use – No formal net control:

- 1) Compliance with all FCC regulations and Good Amateur Practice is required at all times
- 2) Commercial messages are not allowed. 97.113
- 3) User members are to keep QSO's short and to pause between exchanges to allow for breaks to pass traffic.
- 4) If interference comes up on the repeater, IGNORE it or change to an alternate frequency.
- 5) Contacts in which a "third party" participates must be initiated and terminated by a licensed operator. 97.115 / 97.7

Note 1: These are open repeaters and Club membership is not required for casual use.

Note 2: Our repeaters are automatically timed out with a carrier over 90 seconds unless deactivated by a Control Operator (no beep at end of transmission).

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Regularly Scheduled Nets: (weekly scheduled nets, etc.)

- In addition to items 1 through 5, listed above, groups using the Palomar Amateur Radio Club repeaters (W6NWG) for regular scheduled nets shall:
- 6) Secure permission from the PARC Board of Directors for such a net.
 - 7) Conduct the net on the schedule published in the Scope.
 - 8) Ensure that all Net Control Operators are current PARC Members.

Emergency Use: (Declared Emergencies, such as wild fires, etc)

- 9) Net Control Operator Membership requirement is waived for Declared Emergencies
- 10) Repeater Assignments:
147.075: Mercury Amateur Radio Association
146.730: Amateur Radio Emergency Services
147.130: Back-up to either 147.075 or 146.730, and to be a shared resource by organizations that are not serviced by MARA or ARES.
447.000: Shared Resource.
52.68: Shared Resource

Note 4: During a Declared Emergency, it is requested that user organizations make a good faith effort to notify a Member of the PARC Board that they are using one of our repeaters.

continued next column

Special Events: (Races, Parades, Public Service, etc.)

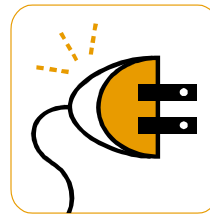
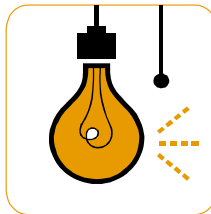
- 11) Net Control Operator Membership requirement is waived for special events.
- 12) Groups desiring to use a PARC repeater shall e-mail the PARC Board of Directors at baord@palomararc.org, a minimum of 72 Hours prior to the special event.

Note 4: This is to ensure that no more than one organization is scheduled to use the same repeater during the prescribed time period.

Note 5: The 72 period starts when a PARC Board Member acknowledges receipt of the request.

Note 6: The PARC Repeater Usage Policy may be adjusted, without prior notice, to serve the Public Good as determined by the PARC Board of Directors.

Sincerely,
Stephen M. Early, AD6VI
President, Palomar Amateur Radio Club



Club Reports

Membership New Members Joining PARC: KI6csy, KI6FIA, KG6NDX, KI6FIB, KG6WWX, AD6LM, AD6LL, KG6EJP, KI6CUG, KI6FKD. Be sure to greet these new members when you see or hear them on the repeaters.

Several times each year, we print the following note in the SCOPE: Especially watch for the Green "Please renew now" and avoid the dreaded Red "Last Issue" on your label. "Last Issue" means your membership expires within a few days.

Now, we have a number of members that have opted to receive their SCOPE on the internet (no Post Office mailing). I'm looking for suggestions on how to remind those members to renew their membership in PARC when the time comes. Even with the colored mailing labels, often the renewal date just slips by! (The e-mail addresses on record often are obsolete in my file.)

AI
W6GNI

FREE TUBES

Club Members ONLY! The PARC has a tube bank that includes many 6 & 12 volt receiving tubes (and some transmitting types) for use by club members to repair their own personal equipment. Not for commercial use or resale. If we have your requests, I will pre-check and deliver them to the next club meeting.

Contact

WB6IQS@amsat.org, -John

About Us

Scope (USPS #076530) is published monthly by the Palomar Amateur Radio Club 1651 Mesa Verde Drive, Vista, CA 92084. Periodicals postage paid at Vista, CA 92085. Dues are \$18 per year or \$30 per year for a family. Dues include a subscription to Scope. Editor: Michelle Thompson W5NYV.

Submissions: scope@palomararc.org
 Questions? Ideas? Comments? W6NWG@amsat.org

This month's General Meeting will be held on November 1st, 2006 (the first Wednesday of each month) at the Carlsbad Safety Center. It will be about the Digital Communications Conference.

Talk-in on 146.730 MHz repeater. Meeting starts at 18:00. Ridesharing and coordinating for dinner beforehand often occurs on the repeater on Wednesday afternoons. Everyone is welcome!

The Palomar Amateur Radio Club serves the Amateur Radio community of San Diego County California with repeaters located on Palomar Mountain. The club has monthly meetings, Field Day festivities, an annual auction, and many other fun and interesting functions. All are welcome at our club meetings and on-the-air interactive radio nets which now feature discussion groups on hiking, sailing, microwave, off-roading, as well as traditional message traffic and emergency communications nets (RACES - ARES - MARA).

73 and hope to CU you on the air! -NN3V (past president of PARC)

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