



ARCOVER

South Bay Amateur Radio Club

*A Community Service Organization
Dedicated to Amateur Radio Since 1970*



E-mail: W6SBA@arrl.net

Website: <http://www.w6sba.org>

President - Richard - KG6JKJ

February 2006

South Bay ARC Meeting
Thursday, February 16, 2006, at 7:30 p.m.
Torrance Memorial Medical Center
Health Conference Center Room 2

DENNIS KIDDER-WA6NIA

Dennis will help us understand the new proposed changes on the way it regulates amateur radio subbands from divisions based on operating modes to divisions based on bandwidth. Dennis has a good handle on the pros and cons and will be able to clarify the band width proposal.

If you have ideas for interesting speakers please contact Ken-K6HRN either by telephone 310-316-3793 or e-mail kcarr52268@aol.com .-

Ken-K5HRN



Newly restored searchlight

THE GREAT LOS ANGELES AIR RAID OF 1942
February 28, 2006

Fort MacArthur Museum will be holding a observance of the attempted attack along the Southern California coastline. The Fort MacArthur Museum in San Pedro is getting ready for a big celebration of the February 28, 1942, "Invasion of L.A."

Check out the website www.ftmac.org for more information.

The museum is open Saturday, Sunday, Tuesday, and Thursday, 12-5:00 p.m. For more information Call 310-548-2631.



Stay connected
Pay your dues
today



THE FOLLOWING MEMBERS HAVE PAID THEIR DUES FOR 2006

Betty-N6VZF
Ed-KN6JN
Yves-N6XAD
Cliff-K6LH
Scott-K0SMC
Alex-KD6LPA
Dick-W1MII
John-AC6FB
Dick-W6ATT

Hal-KG6EHW
Darryl-W6JII
Nancy-KD6VRG
Dorothy-KE6NYO
Trent-KG6MUU
Pual-KK6BY
Harrison-KG6ZPL
Joy-KD6FJV
Jim-KG6ITN

Rob-KB6KMX
Ken-K6HRN
Marjorie-KG6HPR
Albert-KD6PYI
Howard-KF6NOR
Richard-KG6SFK
Bill-N6ES
Bill-KQ6Z
Elmer-N6ALM

Chuck-KN6H
Joe-WB6MYD
Arthur-WS6U
Yoshio-KE6ACH
Harlan-KC6YBJ
Craig-KD6AKX
Mary-KE6BBK
Kostek
Rich-KG6JKJ

NOTES FROM THE SECRETARY: JOE-WB6MYD

Contact e-mail address: w6sba@arrl.net 310 328-0817



- ◆ We wish to thank Joy-KD6FJV for the excellent presentation on the Baker to Vegas Relay Race. Her presentation included all the behind-the-scenes logistics and efforts that make this the *safe and sane* race it has been for all these years. Thank you so very much for the PowerPoint presentation, Joy.
- ◆ The Baker to Vegas team is taking shape and might prove to be the best team ever. B2V is Saturday, April 1 and Sunday, April 2, 2006. This is a relay race for all law enforcement agencies including several teams from abroad, which include: support people for the teams, hams, and other helpers. You are looking at close to 10,000 people trying to handle this relay race during the 24 hour period. The resources pooled for this event by the amateur community is awesome all by itself. I don't think anything equals this anywhere.
- ◆ Club Services—I would like to remind you about our services for you as members: name badges, VE session, ARRL Renewals, assistance in any form, Swap Meet, plus all the community services you could want to participate in. Please see me at the meeting or call 310-328-0817.
- ◆ CHANGE OF ADDRESS—Keep the club records up to date; **home address, e-mail address, telephone number**, please send changes to me by telephone, snail mail, or e-mail. *See numbers above.*
- ◆ ORDER—name badges and, club patches.

**AUTOPATCH DUES**

As a club member you are invited to participate in the privileges provided by the AUTOPATCH unit of the repeater.

AUTOPATCH dues are separate from club dues.

Annual dues are \$40.00.

For your convenience, your membership allows you three (3) auto dial slots on the repeater as well as the ability to dial local numbers directly.

See Joe - WB6MYD at the meeting with your check and the three telephone numbers you wish assigned to the automatic dial system.

SOUTH BAY ARC OFFICERS 2005

President, Richard Whited - KG6JKJ
rbwhited@yahoo.com - 310-809-7151

Vice-President: Ken Carr- K6HRN
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Secretary/Treasurer, Joe Lanphen - WB6MYD
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w6sba@arrl.net - 310-328-0817

Council Member #1, Trent Alverez - KG6MUU
 (310) 618-9071

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 310-675-0732

W6TRW Swap Meet Space Manager - John Crocker -
AC6FB.jcrochaw@Pacbell.net - 310-675-0732

It Is That Time of Year Again ! Dues for 2006

Please mail or hand your dues to Joe - WB6MYD Secretary/Treasure. Joe will be glad to accept your dues at the general meeting or you can mail them to:

The South Bay ARC

P. O. Box 536, Torrance, CA 90508-0536.

Make your check payable to: The South Bay ARC

Class of membership:

- **Regular Membership** \$15.00
- **Associate Membership** \$10.00
 Full voting privilege (wife or husband)
- **Family Membership** \$25.00
 One family member has voting privileges
 (multiple family members)

For more information call: Joe - WB6MYD (310) 328-0817

FROM THE PRESIDENT



Howdy SBARC members! It's been a while since my last column, so there's lots to talk about. 2006 is off and running with a great start thanks to Joy-KD6FJV and her super talk about the Baker-to-Vegas Challenge Cup Relay at our January meeting. For those who missed it and would like to see it, she will give the same talk to the URAC club at the San Pedro Maritime Museum on February 17th at 7:30pm.

A funny thing happened on the evening of January 28th. I was a guest operator aboard the retired aircraft carrier U.S.S. Hornet (CVA-12 call-sign NB6GC) up near Oakland. This is the same Hornet which retrieved the Apollo 11 astronauts from the ocean after returning from the moon. A friend of mine is a member of the club which runs the ham station aboard. Since I was up to visit him and another friend, we went to the ship and fired up the station. After finishing up a QSO with another station, I heard a familiar voice respond to my QRZ! It turned out to be club member Bill-KQ6Z. What a small world! Thanks, Bill, for keeping the QSO short as I had a small pile-up going. In fact, out of 19 QSO's I had that evening on 20-meters, all except two were from California. Two of those had just passed their General Class exams that weekend, and I was their first QSO. The band conditions were lousy (so was the weather), but still a lot of fun. One of my contacts was with a former crew member from back in the 1950's. It was his first time contacting the ship, and he was extremely surprised to hear it was the Hornet. He was amazed that the ship is now a museum and has a ham station to boot! My friends and I were extremely happy to make his day with the QSO. For more information on the ship and the club, please visit www.qsl.net/nb6gc/.

It's already time to start thinking of Field Day on June 24th & 25th. Start marking your calendars for that big summer get-together. Every year we have a great time operating together and do some socializing too. This is a family event, so come on out, get on the air, and have some fun with us. June is also the time for the VHF/UHF QSO Party on June 11th & 12th. A few of us will probably put together a team like last year and find another neat location to work from. We'd love to have a few more operators to help out the group and it's a great "tune-up" for Field Day.

That's it for this month. 73
Rich - KG6JKJ

Membership Drawing

The winner of the January Membership drawing was Donna, but she wasn't at the meeting, so the kitty will go up to \$35 at the February meeting

Remember the attendance drawing is for members only, and you must be present to win. All members in good standing are automatically entered.

WILL YOU BE THERE?



W6TRW SWAP MEET

Next Swap Meet
February 25, 2006

The January W6TRW Swap Meet morning was a very sunny and brisk, and there was a nice turn out. We sold equipment and visited with people. The sales help to support the club activities.

About 14 club members stopped by and brunch followed at the local Denny's. This is a nice time to get better acquainted.

You are welcome to come sell your items. We do take a small commission. Call me the week prior to the Swap Meet, so I can arrange room for your items or for more information on the Swap Meet.



John-AC6FB

310-675-0732 or jcrochaw@pacbell.net



SPECIAL EMERGENCY NET

The Palos Verdes Peninsula Unified School District holds its emergency net on the SBARC Repeater the first Tuesday of the month at 0930 (9:30 a.m.) hours.

We ask that all repeater users allow them a clear frequency during these times. Also we encourage you to listen in on the drill. Thank you

TORRANCE ELECTRONICS

1545 West Carson
Torrance, CA 90501
(310) 328-2501

ARRL - BRIEFS

NEW TECHNICIAN CLASS QUESTION POOL

New Technician class question pool released to the public: The National Conference of Volunteer Examiner Coordinators (NCVEC) Question Pool Committee (QPC) has released the new Technician (Element 2) Amateur Radio examination question pool. The new Element 2 question pool is available for viewing or download in Adobe PDF, MS Word, RTF and ASCII text format from the NCVEC Web site <http://www.ncvec.org/ama_news_article.php?id=81>. The new question pool becomes effective for all examinations administered on or after July 1, 2006, and it will remain valid until June 30, 2010. The current Element 2 question pool will expire June 30, 2006. The new Technician pool contains 396 questions, from which 35 are selected for an Element 2 examination. This question pool contains no graphics or diagrams. The QPC requests that anyone spotting possible errors or suggesting corrections contact the Question Pool Committee via e-mail <gpcinput@ncvec.org>. Reference the question pool (ie, Technician, General, Amateur Extra) in the subject line, and include the question number(s) involved plus a brief explanation. Forward comments and suggestions for new questions or changes in topic areas for any of the three question pools, Element 2, 3 or 4.--NCVEC

FCC ORDERS AMATEUR RULE CHANGES TO CONFORM WITH WRC-03

The FCC has ordered several rule revisions to implement changes agreed to at the international level during World Radio Communication Conference 2003 (WRC-03). Acting Wireless Telecommunications Bureau Chief Catherine W. Seidel signed the Order, released January 19. The changes affect §97.111, Authorized transmissions; §97.113, Prohibited transmissions; §97.115, Third party communications, and §97.117, International communications. "These amendments will ensure that the Commission's Amateur Radio Service rules conform to Article 25 of the international Radio Regulations adopted at the 2003 World Radio Communication Conference, and will further the Commission's ongoing efforts to streamline its Amateur Service Rules," the FCC said. "The overall effect of this action is to update the Part 97 Amateur Radio Service rules in the Code of Federal Regulations to conform to now-effective international agreements." The rule changes will become effective upon publication in The Federal Register. The FCC Order revises: * §97.111(a)(1) to permit "transmissions necessary to exchange messages with other stations in the Amateur

Service, except those in any country whose administration has notified the ITU that it objects to such communications. The FCC will issue public notices of current arrangements for international communications." The old language permitted communication among amateur stations in different countries "except those in any country whose administration has given notice that it objects to such communications." The FCC said the change does not prejudice its proposal to amend §97.111(a)(2) to clarify that amateur stations may, at all times and on all authorized channels, transmit communications necessary to meet essential needs and to facilitate relief actions.* §97.115(a)(2) to facilitate the transmission of international communications on behalf of third parties in emergency or disaster-relief situations, whether or not a third-party agreement is in place between the US and the countries involved. The revision now permits communication with any non-US station "when transmitting emergency or disaster relief communications" as well as with any non-US station "whose administration has made arrangements with the United States to allow amateur stations to be used for transmitting international communications on behalf of third parties." The revised rule further provides that no station may transmit third-party traffic other than emergency or disaster relief communications to a station in a country lacking a third-party arrangement. Still excepted from the prohibition is any third party eligible to be the control operator of an amateur station.* §97.113(a)(4) to prohibit amateur stations exchanging messages with amateur stations in other countries from making transmissions that are encoded for the purpose of obscuring their meaning, except for control signals exchanged between Earth command stations and space stations in the Amateur-Satellite service, something Part 97 already provides for. The old rule referred to the use of "codes and ciphers." The same rule also already prohibits transmitting music, communications intended to facilitate a criminal act, obscene or indecent words or language and false or deceptive messages, signals or identification.* §97.117 to state that amateur stations may transmit communications incidental to the purposes of the Amateur Service and to remarks of a personal character. The FCC also revised §97.3 and 97.309 to update the definition of International Morse code and of various digital codes in the amateur rules to reflect changes in the international Radio Regulations.

ARRL Letter #25 Vol 4 January 27

"SUITSAT-1" LAUNCHED FROM ISS

ARRL letter # 25 Vol 05

"SuitSat-1" is orbiting Earth! ISS Expedition 13 flight engineer Valery Tokarev released the unique and enthusiastically anticipated satellite into orbit February 3 at 2303 UTC as he and ISS Expedition 12 Commander Bill McArthur, KC5ACR, began a six-hour space walk. SuitSat-1 consists of a discarded Russian Orlan spacesuit reconfigured to function as a free-floating Amateur Radio transmit-only satellite. Activated at 225 UTC, the satellite was programmed to come to life some 16 minutes later on 145.99 MHz. The 16-minute delay is said to be a crew safety measure. SuitSat-1's deployment over the south-central Pacific Ocean was the first task of the space walk.

"Dosvidanya! Good-bye, Mr Smith!" Tokarev said in Russian as SuitSat, unhooked from its tether and pushed away from the space station, tumbled slowly away into the void. "It's moving at the specified acceleration." A project of the Amateur Radio on the International Space Station (ARISS) program <<http://www.rac.ca/ariss>>, SuitSat drifted off until it appeared as a mere speck silhouetted against brightly illuminated Earth below. The NASA trajectory operations officer at Mission Control called it "a good deploy within the cone for safety to ensure no re-contact with the International Space Station." NASA-TV provided live coverage of the spacewalk and SuitSat-1's release. The Amateur Radio community, students, scanner enthusiasts, space fans and others have been eagerly awaiting the launch of the most novel satellite ever to orbit Earth. SuitSat-1 will transmit its voice message "This is SuitSat-1 RS0RS!" in several languages plus telemetry and an SSTV image on an eight-minute cycle as it orbits Earth. The three batteries powering the satellite are expected to last about a week, and SuitSat-1 should re-enter Earth's atmosphere after several weeks of circling the globe. SuitSat-1's 500 mW transmitter will report mission time, suit temperature and battery voltage (28 V is nominal) down to Earth. Its single Robot 36-format SSTV image is said to be similar in resolution to a cell-phone quality picture. SuitSat-1's signal should be strong enough to hear using a VHF transceiver or scanner and a simple antenna. Its payload also includes a CD containing hundreds of school pictures, artwork, poems and student signatures. JH3XCU/1 in Japan posted the first reception reports, noting a weak signal. Those who copy the SuitSat-1 transmissions on 145.99 MHz are asked to post a real-time report on the SuitSat Web site <<http://www.suitsat.org/>>, which contains additional informational links. Initially, its orbit will approximately coincide with that of the ISS. Later, as SuitSat-1's orbit begins to decay, it may show up a few minutes earlier than the space station. The AMSAT Web site offers a listing of ISS passes <<http://www.amsat.org/amsat-new/tools/predict/>> and a graph showing the position of the ISS

<<http://www.amsat.org/amsat-new/tools/predict/satloc.php?lang=en&satellite=ISS>>. ARISS invites schools and other educational groups--formal or otherwise--to post educational outreach reports and SSTV images via e-mail <suitsat@comcast.net> ARISS International Chairman Frank Bauer, KA3HDO, credits ARISS-Russia's Sergei Samburov, RV3DR, and his colleagues with coming up with the spacesuit-cum-satellite concept. SuitSat-1--called Radioskaf or Radio Sputnik in Russian--is a first test of that idea, he says. If successful, there's another unneeded Orlan spacesuit still aboard the ISS.

For a SuitSat-1 QSL, send signal reports accompanied by a large (9x12 inch) self-addressed, stamped envelope to the appropriate address: *

USA: ARRL, SuitSat QSL, 225 Main St, Newington, CT 06111-1494 USA * Canada: Radio Amateurs of Canada, SuitSat QSL, 720 Belfast Rd—Suite 217, Ottawa, ON K1G 0Z5 Canada * Europe: F1MOJ - Mr CANDEBAT Christophe, SuitSat Europe QSL Manager, 7 Rue Roger Bernard, 30470 AIMARGUES FRANCE

* Japan: SuitSat Japan QSL, JARL International Section, Tokyo 170-8073 JAPAN * Russia: Alexander Davydov, RN3DK Novo-Mytishchinsky prospekt 52-111 Mytishchi 18, Moskovskaya obl. 141018, RUSSIA *

Other countries: Use the US or Canadian address above. Students will receive a certificate commemorating their reception. Those who receive the SSTV picture or copy the "special words" will get a special endorsement on their certificate. The special words--in English, French, German, Spanish, Russian and Japanese--are embedded in the pre-recorded greetings in multiple languages from students around the globe. SuitSat-1 has piqued the imagination of the news media over the past couple of weeks. In addition to articles in The New York Times, the Houston Chronicle and Associated Press, National Public Radio, Fox News, CNN, the Canadian Broadcasting Corporation, MSNBC and others also produced broadcast or cable news reports. A magazine article is set to appear in Aviation Week and Space Technology,

Additional information about SuitSat on the AMSAT Web site <<http://www.amsat.org/amsat-new/articles/SuitSat/>>. See "This is SuitSat-1 RS0RS!" by Frank Bauer, KA3HDO <<http://www.amsat.org/amsat-new/articles/BauerSuitsat/index.php>>. ARISS is an international educational outreach with US participation from ARRL, AMSAT and NASA.

While the experiment did not go completely as planned, much information was gained about the equipment when contact was made in Japan. The consensus is that the batteries got too cold so maybe the sun will warm them up during another area of the pass and more contact will be made. Editor

CALENDAR

Council Meeting - 1st Wednesday of the month
Call Joe WB6MYD (310) 328-0817

Club Meeting - 3rd Thursday of the month
February 16, 2005 7:30 p.m.
Torrance Memorial Medical Center
Health Conference Center Room 2

Palos Verdes School District

EMERGENCY NET

1st Tuesday of the month
09:30 Hours on the W6SBA repeater

QSL Card Sorting - Call Ray WA6OWM
(310) 370-1913

Special VE Session - (Date to be announced)
at PV Library

TRW Swap Meet - Saturday, January 31, 2005
7:00 a.m. - 11:00 a.m.

Baker to Vegas April 1 and 2, 2006

CLUB SERVICES

HF Awards Manager	Mark - KA6ZTO
VHF Awards Manager	Cliff - K6LH
Swap Meet Chair	John - AC6FB
VE Test Liaison	Joe - WB6MYD
VE Test Sessions	Joe - WB6MYD
Web Master	Alex - KD6LPA
Editor	Mary - KE6BBK
Proofreader	Ruth Kain

South Bay Amateur Radio Club Net

224.38 MHz ·PL - 192.8 Hz Offset 1.6 MHz
7:00 p.m. Thursday Evenings

NEWSLETTER SUBMISSION

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A COMMUNITY SERVICE ORGANIZATION

Address Correction Requested

TO: