

## 2011 Boy Scouts of America Santa Clara County Council Jamboree on the Air and Internet (JOTA-JOTI) and American Amateur Radio Relay League Pacific Division Convention Youth Education Scouting Program Report



### JOTA-JOTI Weblog Scoutgroup

|                              |   |
|------------------------------|---|
| JOTA-JOTI community nickname | pacificon   |
| Name of the Scoutgroup       | Santa Clara County Council                                    |
| City                         | San Jose, California  |
| Language                     | English   |
| Country                      | United States   |
| Type of Group                | Landscouts  |
| Participant of               | JOTA-JOTI   |
| Website                      | <a href="http://www.scccbsa.org/">http://www.scccbsa.org/</a> |

### BSA JOTA/JOTI Report – Unit identification

|                               |  |
|-------------------------------|--|
| Local council name and number | Santa Clara County Council 055                         |
| Unit number                   | Various: see participating units and staff table below |

### American Radio Relay League Pacific Division Convention Youth Education Scouting Program

|                  |   |
|------------------|---|
| Sponsor          | American Radio Relay League Pacific Division                                      |
| Producer         | Mt. Diablo Amateur Radio Club, California   |
| Program Web Site | <a href="http://www.pacificon.org/scouting">http://www.pacificon.org/scouting</a> |
| Club Web Site    | <a href="http://www.mdarc.org/">http://www.mdarc.org/</a>                         |


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## BSA JOTA/JOTI Report – Stations, States and Countries Contacted

|                        | JOTA  | JOTI                                 |
|------------------------|---|--------------------------------------|
| Number of Stations     | 4 (HF, AMSAT/ARISS, Dstar & Echolink)                   | 1 (TeamSpeak & IRChat)               |
| Station Identification | W6BSA (HF, ARISS, Dstar),<br>KI6SGE & WB6NLL (Echolink) | pacificon (JOTA-JOTI group nickname) |
| States contacted       | AZ, CO, FL, GA, MI, NY, OR, WA                          |                                      |
| Countries contacted    | CA, KI, NL, US  | AU, DE, FI, IN, IQ, KZ, LU, MY, PA   |

Location codes used in the above table are per the following standards:

|        |                    |   |
|--------|--------------------|---|
| county | ISO 3166-1 Alpha-2 | <a href="http://en.wikipedia.org/wiki/ISO_3166-1_alpha-2">http://en.wikipedia.org/wiki/ISO_3166-1_alpha-2</a>           |
| state  | USPS               | <a href="https://www.usps.com/send/official-abbreviations.htm">https://www.usps.com/send/official-abbreviations.htm</a> |

| <p style="text-align: center;"><b>W6BSA at Pacificon 2011, Santa Clara, CA, USA</b><br/> <small>Boy Scouts of America Santa Clara County Council 055 JOTA Station, ARRL Grid CM87aj</small></p>  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>D</th> <th>M</th> <th>Y</th> <th>UTC</th> <th>MHz</th> <th>RST</th> <th>Mode</th> <th>QSL</th> </tr> </thead> <tbody> <tr> <td></td> <td>10</td> <td>2011</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | D  | M    | Y   | UTC | MHz | RST  | Mode | QSL |  | 10 | 2011 |  |  |  |  |  | <p style="text-align: center;"><b>Amateur Call Sign Used &amp; Call Signs Worked</b></p> <p><b>W6BSA/W6LCS AMSAT &amp; ARISS:</b><br/>         Many stations worked during ground/satellite demonstrations (log not available)</p> <p><b>W6BSA DStar:</b><br/>         About 10 connections with Florida and Georgia, USA stations (log not available)</p> <p><b>W6BSA HF:</b><br/>         K7DRG K7RDG K7UFO/M KB7E KB7KLT N7QR T32C VE7DB<br/>         W0RGD W7IK</p> <p><b>KI6SGE Echolink:</b><br/>         PE1BBY W8RVT</p> <p><b>WB6NLL Echolink:</b><br/>         G4GOU KA2NCD-L</p> |
|--|----|------|-----|-----|-----|------|------|-----|--|----|------|--|--|--|--|--|---|
| D  | M  | Y    | UTC | MHz | RST | Mode | QSL  |     |  |    |      |  |  |  |  |  |   |
|  | 10 | 2011 |     |     |     |      |      |     |  |    |      |  |  |  |  |  |   |
| <p><b>Amateur Call Signs Heard:</b> Most heard but not worked call signs were not logged. W6BSA/K6LCS attempted voice contact with NA1SS at 15 Oct 2011 10:07-10:16 GMT, but nothing was heard. NA1SS was later heard on passes not usable for two-way communications in California.</p>   |    |      |     |     |     |      |      |     |  |    |      |  |  |  |  |  |   |

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## W6BSA/K6LCS Amateur Radio Satellite and International Space Station (ISS) Operations and Forums

| SATTELLITE                     |             |             |                |             |             |
|--------------------------------|-------------|-------------|----------------|-------------|-------------|
| SATURDAY AT PACIFICON          |             |             |                |             |             |
| 3:07 AM                        | 2:43 PM     | 3:52 PM     | 7:41 PM        | 7:55 PM     | 10:16 PM    |
| ISS                            | AO-27       | AO-51       | ISS            | ARISSat-1   | SO-50       |
| 84°                            | 52°         | 41°         | 47°            | 83°         | 77°         |
| Talk to Astronaut Mike Fossum? | D/L 436.795 | D/L 436.130 | Packet 145.825 | D/L 145.950 | D/L 436.795 |

Meet you **outside** the MAIN HALLWAY ENTRANCE to work the birds!

# PASSES



Picture on left shows satellite pass schedule for passes outside satellite forum period.

Picture on right shows Clint Bradford K6LCS and youth attempting to contact NA1SS on International Space Station about 15 Oct 2011 10:10 GMT. The youth staying up late included one Girl Scout Brownie.

Photo by Bill Wells, WB6NLL

*Although the ISS made a great pass at 3:07AM PDT on Saturday over PACIFICON in Santa Clara, astronaut Mike Fossum was not on the air for us. But he was ON on the next orbit over North America (not accessible by us) and spoke with JOTA groups in Ohio, Pennsylvania, West Virginia, and others.*

*Although we didn't speak with Commander Fossum early Saturday morning, we did have a short biographical video from NASA that we watched. And all the people that were there - kids and adults - were in a great mood!*

*We worked the FM birds Friday and Saturday. At 4:30 Friday afternoon, AO-51 passed over us, and several PACIFICON attendees were outside with me as we successfully talked to Mexico and stations in the U.S.*

*On Saturday, AO-27 was sounding GREAT for us at 2:43PM. More than twenty conference attendees were outside for that pass. And a little later - at 3:52PM - AO-51 again was worked, with more than 30 conference attendees in the audience.*

*I gave my "How to Work the FM Satellites with Your HT" presentation twice on Saturday. We had a standing-room-only crowd of 56 for the first show, and 47 for the second show. Some Scouts were in attendance - and one student walked away with a brand-new Elk log periodic antenna that I supplied as a prize for the event!*

Clint Bradford, K6LCS  
<http://www.work-sat.com/>

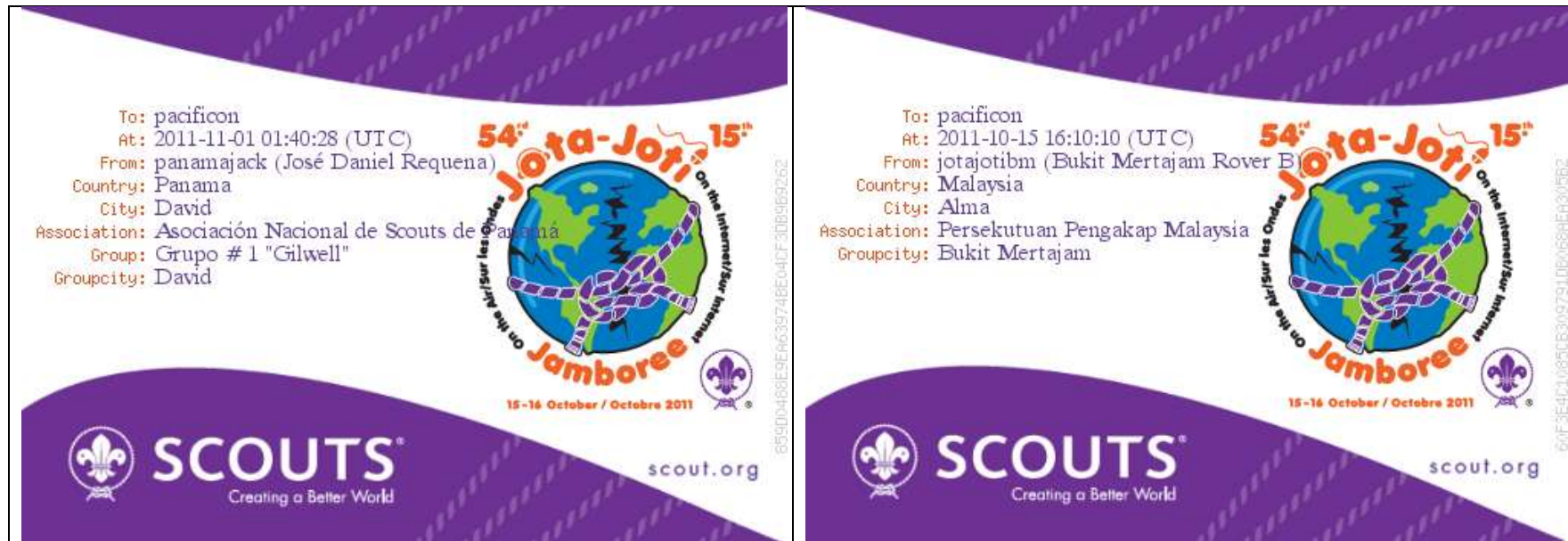
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## BSA JOTI Report Supplement

|  |  |   |
|--|--|---|
|  | <p><b>To panamajack from pacificon 31 Oct 2011 via email:</b></p> <p><b>QSL panamajack 14 Oct 2011 05:01 UTC via teamspeak.scoutlink.net</b><br/> <b>QTH Santa Clara, California, US</b><br/> <b>JWL1 JWN Bill JFC United States JLS JSW</b></p> | <p><b>Be prepared to give your JID code!</b></p> <p>The busiest internet relay chat (IRChat) session was when many Scouts in Malaysia (jotajotibm group ) playing JamPuz suddenly started asking for pacificon's JOTA-JOTI identification code.</p> |
|--|--|---|

## WOSM JOTA-JOTI Validation Cards Received.

Date and time on validation card is not the time of the connection, but the time the card was sent/registered.



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## WOSM JOTA-JOTI Validation Cards Received. (Continued)

|   |   |
|---|---|
| <p>To: pacificon<br/>           At: 2011-10-14 14:51:26 (UTC)<br/>           From: anjalmohammed (Mohammed Anjal)<br/>           Country: India<br/>           City: Tirur,Kerala<br/>           Association: The Bharat Scouts and Guides<br/>           Group: 198 Tirur Scout Troop, Farook Kottakkal<br/>           Groupcity: Kottakkal,Malappuram,Kerala</p>  <p>15-16 October / Octobre 2011</p>  <p><b>SCOUTS</b><br/>       Creating a Better World</p> <p>scout.org</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">C2616F839065500507244643F391864E</p> | <p>To: pacificon<br/>           At: 2011-10-16 05:50:45 (UTC)<br/>           From: trichurovers (23rd Trichur Scout (Open))<br/>           Country: India<br/>           City: Kerala<br/>           Association: The Bharat Scouts and Guides<br/>           Groupcity: Thrissur</p>  <p>15-16 October / Octobre 2011</p>  <p><b>SCOUTS</b><br/>       Creating a Better World</p> <p>scout.org</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">5F66F9D65583E8A671067D61A90616575</p> |
| <p>To: pacificon<br/>           At: 2011-10-21 04:19:10 (UTC)<br/>           From: ausranger (kaylene)<br/>           Country: Australia<br/>           City: sydney<br/>           Association: Girl Guides Australia<br/>           Groupcity: sydney</p>  <p>15-16 October / Octobre 2011</p>  <p><b>SCOUTS</b><br/>       Creating a Better World</p> <p>scout.org</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">4470ACE34D4ED353DE0463049068400</p>  | <p>To: pacificon<br/>           At: 2011-10-16 10:28:52 (UTC)<br/>           From: bashar-scout (Universal Syriac Scout)<br/>           Country: Iraq<br/>           City: barttela<br/>           Association: - other -<br/>           Groupcity: mosul</p>  <p>15-16 October / Octobre 2011</p>  <p><b>SCOUTS</b><br/>       Creating a Better World</p> <p>scout.org</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">28EEDD5B1F2C440F33E44EB83C2142492</p>                      |

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## Youth Lounge, Kit Building, Soldering Instruction



An estimated 200-plus youth (Scout and non-Scout) participated in Youth Lounge, Kit Building and Soldering Instruction activities.

Picture shows a Girl Scout after completing her project with Webelos Boy Scouts working on a project in the background.

Photos courtesy of Cindy Kazee, WI6RSL



*The soldering and kit building in the vendor hall, attended by many young boy and girl scouts in uniform was wonderful. Lots of kids, a lot of energy, great tutoring by adults. The kids were adorable and seemed really into the activities.*

Pete Harris KE6ZIW

*I thought that Saturday went quite well. Good balance of kids, kits, number of stations and numbers of helpers. Lots of kids walked away with working kits, an education in soldering, and some confidence in their ability to work on something technology related.*

*I also thought that despite the problems, the kits were a good value. I think that under \$10 is a good price point. And it's hard to get PC boards made for less without committing to huge quantities or etching them yourself. ...*

Stan Searing KC6OOD, Merit Badge Counselor

*I had a WONDERFUL TIME at Pacifcon and it is SO WORTH IT to see the delight in the kids eyes when their projects work! I am already excited about NEXT YEAR ...*

Pat Bunsold WA6MH

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## Soldering, Electronic Kit Building & Amateur Radio Games



Photos courtesy of Pete Harris, KE6ZIW

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### Participating Units and Staff

| Unit No.                | City       | Council | Ham Scout Leader | Non-Ham Scout Leader | Hams Non-Scout Leader | Non-Hams Other Adult | Cub Scouts | Boy Scouts | Venturers, Sea Scout, Explorers | Brownies | Girl Scouts | 4H Club | Other Youth | Subtotal Scouts | Subtotal Non Scouts | Total Youth | Subtotal Adult Hams | Subtotal Adult Non Hams | Total Adults | Total People |
|-------------------------|------------|---------|------------------|----------------------|-----------------------|----------------------|------------|------------|---------------------------------|----------|-------------|---------|-------------|-----------------|---------------------|-------------|---------------------|-------------------------|--------------|--------------|
| 27                      | San Mateo  | PSC     | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
| 76                      | Modesto    | GYC     | 1                |                      |                       |                      |            | 1          |                                 |          |             |         |             | 1               | 0                   | 1           | 1                   | 0                       | 1            | 2            |
| 92                      | Milpitas   | SCCC    | 2                |                      |                       |                      |            | 1          |                                 |          |             |         |             | 1               | 0                   | 1           | 2                   | 0                       | 2            | 3            |
| 101                     | Milpitas   | SCCC    |                  | 3                    |                       | 2                    | 14         | 4          |                                 |          |             |         |             | 18              | 0                   | 18          | 0                   | 5                       | 5            | 23           |
| 110                     | San Jose   | SCCC    |                  |                      |                       |                      |            | 1          |                                 |          |             |         |             | 1               | 0                   | 1           | 0                   | 0                       | 0            | 1            |
| 185                     | Lincoln    | GEC     |                  | 1                    |                       | 1                    |            |            |                                 |          |             |         | 1           | 0               | 1                   | 1           | 0                   | 2                       | 2            | 3            |
| 204                     | San Jose   | SCCC    | 1                |                      |                       |                      | 1          |            |                                 |          |             |         |             | 1               | 0                   | 1           | 1                   | 0                       | 1            | 2            |
| 259                     | Sacramento | GEC     | 2                |                      |                       |                      |            | 1          |                                 |          | 1           |         |             | 2               | 0                   | 2           | 2                   | 0                       | 2            | 4            |
| 330                     | Campell    | SCCC    | 1                |                      |                       |                      |            | 1          |                                 |          |             |         |             | 1               | 0                   | 1           | 1                   | 0                       | 1            | 2            |
| 408                     | Cupertino  | SCCC    | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
| 501                     | Los Gatos  | SCCC    |                  |                      |                       |                      |            | 3          |                                 |          |             |         |             | 3               | 0                   | 3           | 0                   | 0                       | 0            | 3            |
| 509                     | Los Gatos  | SCCC    |                  |                      |                       |                      | 1          |            |                                 |          |             |         |             | 1               | 0                   | 1           | 0                   | 0                       | 0            | 1            |
| 512                     | Woodland   | GEC     | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
| 792                     | Gilroy     | SCCC    |                  |                      |                       | 1                    |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 0                   | 1                       | 1            | 1            |
| 905                     | Dublin     | SFBAC   | 2                |                      |                       |                      |            | 1          |                                 |          |             |         |             | 1               | 0                   | 1           | 2                   | 0                       | 2            | 3            |
| 999                     | Pleasanton | SFBAC   | 2                |                      |                       |                      |            | 1          |                                 |          |             |         |             | 1               | 0                   | 1           | 2                   | 0                       | 2            | 3            |
| ARRL                    |            |         |                  |                      | 14                    |                      |            |            |                                 | 1        |             |         | 6           | 1               | 6                   | 7           | 14                  | 0                       | 14           | 21           |
| Intl Representative     | PSC        |         | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
| Intl Representative     | SCCC       |         |                  | 1                    |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 0                   | 1                       | 1            | 1            |
| Youth Lounge (estimate) |            |         |                  |                      |                       |                      |            |            |                                 |          |             |         | 113         | 0               | 113                 | 113         | 0                   | 0                       | 0            | 113          |
| Dist                    | Concord    | MDSC    | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
|                         | Felton     | 4H      |                  |                      | 2                     |                      |            |            |                                 |          |             | 5       |             | 0               | 5                   | 5           | 2                   | 0                       | 2            | 7            |
|                         | Fresno     | Sequoia | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
|                         |            | Marin   | 1                |                      |                       |                      |            |            |                                 |          |             |         |             | 0               | 0                   | 0           | 1                   | 0                       | 1            | 1            |
|                         |            | SCCC    |                  |                      |                       |                      |            |            | 1                               |          |             |         |             | 1               | 0                   | 1           | 0                   | 0                       | 0            | 1            |
| <b>TOTALS</b>           |            |         | 18               | 5                    | 16                    | 4                    | 16         | 14         | 1                               | 1        | 1           | 5       | 120         | 33              | 125                 | 158         | 34                  | 9                       | 43           | 201          |

Above numbers only include about 20 of the estimate 1300+ ham convention participants and visitors.



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## Radio Station W6BSA at American Radio Relay League Pacific Division Convention

(Pacificon), Hotel Marriott Santa Clara, Santa Carla, California, United States of America.



The image to the right is the outdoor radio station surrounded by Cub Scouts, Webelos Scouts and Leaders. The vertical wire high frequency (HF) antenna provided by Bill Ragsdale, K6KN, the trustee for W6BSA, can be seen in the top right corner of the picture. The image is from PACIFICON 2011 video, <http://www.youtube.com/watch?v=SQYXmEyeJjo>, recorded by Jim McCarthy, K6BBA, used with permission.



The 100-watt high frequency (HF) transceiver was provided by Bill Wells WB6NLL, who coordinated the Scouting Program at Pacificon. The communications trailer was provided by the Mt. Diablo Amateur Radio Club that organized the convention. The banner and amplifier were provided by Bill Ragsdale K6KN. Chairs, tables and shade were provided by Bill Wells WB6NLL, Bill Ragsdale K6KN and the Salvation Army in Concord, California. The station had one HF position and one Echolink position. (The VHF position had an equipment failure and was not used.) The Echolink computer was provided by Dennis Kazee Ki6SGE. The WA6HAM repeater system for JOTA local communications in the San Francisco Bay Area, California, was provided by the Contra Costa Repeater Association

Radio and Electronics Merit Badge Councilors were provided by the Boy Scouts of America Santa Clara County Council.

## JOTA-JOTI Weblog – Station – Portable Tower Information

For high frequency (HF) communications an omnidirectional 10-meter high vertical wire wrapped around orange fiber-glass pole with 8 ground-radial wires was used. The photo to the left is part of a photo taken by Pete Harris KE6ZIW.