



CROSSTALK

News Bulletin of the TRW Amateur Radio Club



Volume 34 Number 10

October 2000

2000 ARC Banquet

Yep, it's that time again, the 34th Annual Awards Banquet coming in November. The best part is that the price is the same as last year.

This year's Guest Speaker is none other than Dick Rutan, KB6LQS world renowned Aviator.

Don't miss this opportunity to attend a first class event with great food also, and of course door prizes and also that chance to see your fellow ham that you might have not seen in a long time.

Duane Park, WA6EIK Crosstalk Editor

California QSO Party, sponsored by the North California Contest Club, 1600Z Oct 7 until 2200Z Oct 8. Single op, multi-single, multi-multi, CA county expedition, mobile, and Novice/Tech. 160 80 40 20 15 10 6 2 meters. Send QSO number and CA county. If you're outside of California, send the QSO number and your state/province/DXCC country. Single ops are limited to 24 hours. Multi-singles have a 10-minute rule. Single ops and multi-single are limited to one transmitted signal at a time. CW QSOs must be made in CW subbands, except on 160 meters. Work stations once per band/mode, work CA stations again as they change counties. A CA station on a county line counts for 1 QSO but multiple counties. CW--1.805 and 40 kHz up; phone--1.850 3.850 7.230 14.250 21.300 28.450; Novice--10 kHz up and 28.450. Score 2 pts/QSO on phone and 3 pts/QSO on CW. Final score is QSO points x CA counties (max 58). CA stations multiply by states and VE sections (max 58). Awards. Send logs to Alan Maenchen, AD6E, 3330 Farthing Way, San Jose, CA 95132 or e-mail to cqp@contesting.com; <http://www.cqp.org>.

Ten-Ten Day Sprint, sponsored by Ten-Ten International, from 0000-2400Z Oct 10. Single op; multiple station, single operator (club station); single station, multiple operator (OM/XYL, family stations). AM, FM, SSB, CW and RTTY, 10 meters only. Work stations once, regardless of mode. Exchange call, name, state and 10-10 number (if member). Score 1 pt/QSO w/nonmembers and 2 pts/QSO w/members. Final score is QSO pts. Awards. Send logs by Oct 24 to Don Ward, WØRTV, 4514 Ferrer Dr, St Louis, MO 63129-3741; donw0rtv@juno.com; <http://listserv.lehigh.edu/lists/tenten-l/rules.html>.

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TRWARC Monthly Calendar of Events

Third Tuesday of each month	5:30 pm	Executive Board Meeting, R4/2041 (All Club Members are invited)
Second Tuesday of each month	5:30pm	Club Meeting Round Table Pizza, (Redondo Bch. & Hawthorne)
Second Tuesday of each month	12:00 noon	Emergency Communications Team Meeting R3 Emergency Operations Center
Last Saturday of each month	7:00 am	TRW/ARC Swap Meet Marine and Aviation (Southeast Corner)

Weekly Events

Every Monday Night (Except the 1st & Holidays)	7:30 pm	Disaster Communication Systems (DCS) Net DCS Members: Check in on 2 Meter Repeater
Every Wednesday	12:00 noon	ECT Net on 2 meter Repeater All Amateurs Welcome
Every Thursday	7:00 pm	Space Hams Net on 2 meter Repeater with N6SHI and W6EKK
Every Mon, Wed, Fri	2:00 pm	TRW Retirees Net 7185 KHz
Every Friday Morning	7:30 am	TRW Amateur Radio Club Breakfast Building S Cafeteria - Everyone is invited Talk-in on 2 Meters

Other Ham Swap meets:

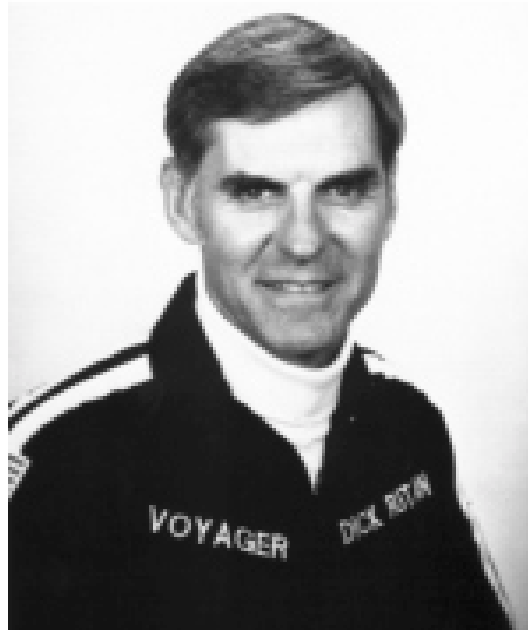
Inland Empire ARC - 2nd Sat. ea. mo. 7:00 to 11:30 AM @ A.B. Miller High School, Walnut & Oleander in **Fontana** Talk-in 145.480 (-600 pl=77.0hz)

El Cajon ARC - 1st Sat. ea. mo. 6:00 AM @ Santee Drive-in Theater, Woodside Ave. @ Hwy 67 in **Santee** Talk-in 146.52

CAL POLY -3rd Sat. ea. mo. 7-11am in lots F8,F9 and F10 @ CAL Poly Pomona at 3801 West Temple. Talk-in TBD (*if you know, please email me... ed.*)

TRW ARC 34th Annual Awards Banquet

Saturday November 18th, 2000



**Featuring Guest Speaker
Dick Rutan, KB6LQS**

**World-renowned aviator pilot of the non-stop, around the world,
Voyager flight**

**Buffet style dinner
Awards, Fun, and Prizes**

**5:30 pm to 10:00 pm
See reverse side for sign up form**

TRW AMATEUR RADIO CLUB BANQUET RESERVATION REQUEST

Join us for the 34th Annual TRW/ARC Awards Banquet
Saturday, November 18th, 2000 5:30 PM to 10:00 PM

Buffet Dinner, Awards, Guest Speaker, Door Prizes, and Fun!

The Blue Moon
207 North Harbor Drive
Redondo Beach

An Employee Member may invite up to 2 guests. Non-Employee Members (including Retirees) may invite 1 guest. Due to limited seating, 2nd Guests *may* be bumped to make room for club members.

All reservation requests will be confirmed by mail no later than November 6th. If you do not receive a confirmation, please call Wendy, KQ6CG, at (310) 374-0795 or Duane, WA6EIK, at (310) 813-4219 to insure we received your reservation!

Return this portion of form ASAP! Reservations are First Come - First Served!!!

Club Member's Name: _____ Callsign: _____

1st Guest's Name: _____ Callsign: _____

2nd Guest's Name: _____ Callsign: _____

Address: _____

City: _____ State: _____ Zip: _____

TRW Mail Station: _____ Daytime Phone: (____) _____

Dinner Buffet includes Entrees, Salads, Side Dishes
Enclose \$12 for each TRW/ARC Member dinner.
Enclose \$15 for each Non-Member dinner.

Make checks (**no cash please**) payable to: **TRW Amateur Radio Club**

Send Reservation Requests to: Wendy Crawford
1637 Nelson Ave.
Manhattan Beach, CA 90266

PHASE 3D LAUNCH CAMPAIGN UNDER WAY *(Reprinted from the ARRL Letter Volume 19, Number 36)*

The launch campaign for the next-generation Amateur Radio Phase 3D satellite has begun at the European Spaceport in Kourou, French Guiana, where the satellite has been in storage since spring. Phase 3D is tentatively set to go into space aboard an Ariane 5 rocket no earlier than November 4. A specific launch date has not yet been announced.

AMSAT-DL Executive Vice President Peter Guelzow, DB2OS, is heading the launch team in Kourou, filling in for Phase 3D Project Leader Karl Meinzer, DJ4ZC. Meinzer underwent surgery this summer and was unable to make the trip to South America. An advance P3D launch team arrived in Kourou September 9, and the group since has swelled to 16.

"P3D is doing just fine!" AMSAT-NA President Keith Baker, KB1SF, enthused this week. "Things are going well, and there are no significant issues." Baker said the team's primary task is to coordinate with the launch agency, Arianespace.



An artist's rendering of the Phase 3D spacecraft, now tentatively set to launch no sooner than November 3.



The Ariane 5 launch vehicle. [Arianespace photo]

AMSAT News Service says the team has pronounced Phase 3D in excellent condition. The satellite's batteries have been recharged, and RF testing of transmitter and receiver systems has gone smoothly. The team earlier carried out propulsion system pressure tests.

AMSAT and Phase 3D officials were encouraged by the September 14 Ariane 5 launch that they'd been keeping an eye on as a bellwether for the next-in-line Phase 3D launch. The Ariane 5 successfully delivered a pair of communication satellites into the desired geostationary transfer orbit after what was called "a spectacular launch" from the European Spaceport. A launch contract accepting Phase 3D as a payload for the first suitable Ariane 5 launch vehicle was signed last fall. More information about Phase 3D is on the [AMSAT-NA Web site](#).

ARISS HAM GEAR REACHES DESTINATION (Reprinted from the ARRL Letter Volume 19, Number 35)

The Amateur Radio on the International Space Station initial station equipment plus supplies that the ISS Expedition 1 crew will need later this year were delivered to the ISS this week. After entering the station itself, astronauts and cosmonauts worked to unload the cargo--including the ham gear--from the shuttle *Atlantis* and from a docked Russian *Progress* rocket and to set the ISS up for its first crew.

There are three hams on the shuttle *Atlantis* mission. No Amateur Radio operation will take place from the ISS until the Expedition 1 crew arrives in early November, however, nor will there be any ham activity from the shuttle on this trip.



Astronaut Ed Lu, KC5WKJ, checks supplies inside the shuttle prior to his spacewalk.

On September 11, US astronaut Ed Lu, KC5WKJ, and Russian cosmonaut Yuri Malenchenko completed a more than six-hour space walk. Lu and Malenchenko attached nine power, data and communication cables to the ISS's newest component, the Russian-built *Zvezda* service module, and to the *Zarya* control module. They also assembled a magnetometer boom on *Zvezda's*



Astronaut Ed Lu, KC5WKJ, and cosmonaut Yuri Malenchenko during Monday's space walk. [NASA]

exterior.

Other amateurs aboard include astronauts Dan Burbank, KC5ZSX, and Richard Mastracchio, KC5ZTE.



Astronaut Dan Burbank, KC5WZX.
[NASA Photo]



Astronaut Richard Mastracchio, KC5ZTE.
[NASA Photo]

NASA reportedly located a small problem on the *Zvezda*--a jammed solar panel on one of its wings. The panel failed to unfold following the launch of the module, and NASA says it might have to repair the problem on a later mission. NASA also says one of eight Russian-made batteries used to power the ISS might be malfunctioning.

Atlantis blasted off on schedule last Friday from the Kennedy Space Center. It delivered amateur VHF and UHF hand-held transceivers for the multi-national ARISS program, as well as a TNC for packet, a specially developed headset and signal adapter module plus power adapters and interconnecting cables. The gear will be stowed aboard the ISS until the Expedition 1 crew of US astronaut Bill Shepherd, KD5GSL, and Russian Cosmonauts Sergei Krikalev, U5MIR, and Yuri Gaidzenko come aboard.

The ARISS initial station gear will be installed temporarily aboard *Zarya* and will use an existing antenna that's being adapted to support FM voice and packet on 2 meters. The gear will be re-installed in the *Zvezda* Service Module next year, and

it will have both 2-meter and 70-cm capabilities. A Russian call sign, RZ3DZR, has been issued for the ISS ham radio station.

For more information about Amateur Radio on the ISS and SAREX, visit the [ARISS Web site](#).

AO-27 IS BACK ON THE AIR!

The AO-27 satellite has returned to analog Amateur Radio service. AO-27 ground controller Chuck Wyrick, KM4NZ, reports the satellite showed up on its first North American daylight pass on September 9. Wyrick advises operators to wait until they hear the satellite in analog mode--ie, no data being sent--before transmitting on the 145.850 MHz uplink frequency. AO-27's downlink is 436.800 MHz. Wyrick says the AO-27 analog FM repeater will be turned off for a few days at a time over the next few months so ground controllers can gather whole orbital data to verify the health of the satellite. AO-27's computer crashed July 31, and it took more than one attempt to reload the software and get the satellite up and running again. "A lot of work has saved AO-27 for many more enjoyable amateur QSOs," Wyrick said in a posting to the AMSAT bulletin board.



TRW AMATEUR RADIO CLUB

ELECTED OFFICERS

President	Bob Briggs	KD6WYQ	01 / 2210	(310) 813-2622
Vice President	Stuart Gorsky	KF6QHV	R5 / 1060	(310) 812-0255
Secretary	Craig Gullickson	N6ED	R6 / 2529F	(310) 812-5389
Treasurer	Rod Scott	KE6PI	R7 / 2253E	(310) 813-1493

APPOINTED STAFF

447 Repeater Autopatch	Duane Park	WA6EIK	M2N / 1384b	(310) 813-4219
Activities Chairman	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Crosstalk Editor	Duane Park	WA6EIK	O1 / 1070E	(310) 813-4219
Emer. Comm. Coordinator	Wendell Young	KE6ASC	R5 / 1060B	(310) 813-7691
Librarian				
Membership Chairperson	Dave Nelson	AB6DU	DH4 / 2461	(310) 764-3496
Past President	Elizabeth Kunkee	KS4IS	D1 / 1024	(310) 813-0524
Publicity Chairperson	Dave Nelson	AB6DU	R8 / 2144	(310) 813-9775
QSL Manager	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
S.P. Packet/Internet Sysop	Chris Wachs	WA2KDL	M4 / 2375	(310) 813-1506
SEA Representative	Rod Scott	KE6PI	R7 / 2253E	(310) 813-1493
Swap Meet Manager	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Technical Chairperson	John Cheatham	KE6OJM	R9 / 2477	(310) 813-5903
Training Chairperson	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
Trustee of W6TRW License	Elizabeth Kunkee	KS4IS	D1 / 1024	(310) 813-0524

TRW ARC Hotline (Club Answering Machine) (310) 813-8569
W6TRW 2 Meter Repeater (Open Repeater) 145.32 (-600) PL 114.8Hz
W6TRW UHF Repeater (Open Repeater / Closed Autopatch) 447.00 (-5 MHz) PL 100 Hz
W6TRW-3 Packet Radio Internet Gateway and BBS (1200 Baud Port) 146.745 (-600)
W6TRW Internet Home Page <http://www.w6trw.ampr.org/w6trw/>

TRW Amateur Radio Club
S/1156
One Space Park
Redondo Beach, CA 90278

FIRST CLASS

Deliver To:

