



CROSSTALK

News Bulletin of the TRW Amateur Radio Club



Volume 100 Number 8

August 2000

Club Meeting in the Park

Note: The August and September ARC Club meetings will occur on the normally scheduled date, at Polliwog Park in Manhattan Beach at noon.

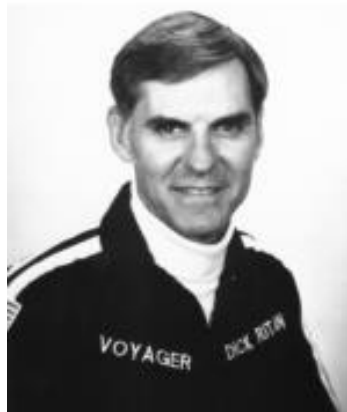
ARC BANQUET 2000

While we are still finalizing the details for this years Banquet, It is my pleasure to announce the Guest Speaker for this years Banquet, Dick Rutan, **KB6LQS, World-renowned aviator Dick Rutan (pilot of the non-stop, around the world, Voyager flight).**

Dick Rutan made history in December of 1986 after completing a nine day, three minute and forty-four second round-the-world, non-stop and non-refueled flight, setting an absolute world's record that still holds today. Setting the storm-battered Voyager down on the dry lakebed at Edwards Air Force Base, he successfully completed a six year quest doubling the previous world distance record. President Ronald Reagan awarded Dick the Presidential Citizen's Medal of Honor at a special ceremony for the Voyager Team four days after the landing. The Medal of Honor has been presented only sixteen times in the history of the United States. Dick received his pilot's license and driver's license on his 16th birthday. He flew 325 missions in Vietnam, 105 of them as a member of the Super Sabre FAC, a high risk operation commonly known as the "MISTYS." Dick was hit by enemy ground fire on his last mission and was forced to eject from his burning F-100 to be rescued later. Before retiring from the Air Force in 1978, Lt. Col. Rutan had been awarded the Silver Star, five Distinguished Flying Crosses, 16 Air Medals and a purple heart.

This will be another great Banquet, stay tuned for more details and of course, watch out for the sign up application in future CROSSTALKS.

Duane Park, WA6EIK Crosstalk Editor



Dick Rutan

In This issue:

- *Article by Dave, AB6DU – Page 3 & 4*
- *FCC News – Page 7 & 8*
- *ARRL/TAPR Conference – Page 9*

TRWARC Monthly Calendar of Events

Third Monday 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) <i>Subject to change during the summer</i>
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.)

Article Submission from Dave, AB6DU

The weekend of 19 and 20 August PVARC will operate from Point Vicente Lighthouse during International Lighthouse Weekend. I expect we will not have enough operators to work the entire weekend. If anyone wants to operate from Point Vicente please contact Dan Colburn at dc2dan@aol.com

From WORLDRADIO, JULY 2000

"There is a growing interest in lighthouses. In fact, there is an event known as the International Lighthouse/Lightship weekend.

This year the event will be held the weekend of 19 and 20 August, scheduled for the full 48 hours. According to the 01 April issue of 425 DX News 40 stations in 11 countries have already confirmed their participation in this year's event. For a list of participants refer to the website at:

<http://www.waterw.com/~weidner/LH-day-table.htm>.

There are awards for working such facilities by various societies. Surf the Internet for other sites on lighthouses."

ZVEZDA MODULE EVENTUALLY TO HOUSE HAM RADIO

The recently launched International Space Station Zvezda Service Module eventually will become home to the first permanent Amateur Radio station in space. Until the Amateur Radio on the International Space Station—or ARISS--antennas can be installed on the Service Module, however, the initial ham station gear will be installed aboard the Zarya Functional Cargo Block, already in space.

The first ISS crew, headed by US astronaut Bill Shepherd, KD5GSL, is scheduled to be launched in October from Kazakhstan. Accompanying Shepherd will be Russian cosmonauts Sergei Krikalev, U5MIR, and Yuri Gaidzenko.

If all goes as planned, the initial amateur station hardware will be sent up to the ISS aboard shuttle mission STS-106 in August, and Shepherd and his crewmates will be on the air on 2 meters (FM voice and packet) from the Functional Cargo Block this fall. The initial station will use an existing Functional Cargo Block antenna that's being adapted to support operation on 2 meters but not on 70 cm.

Current plans call for amateur 2-meter and 70-cm antennas to be installed on the Service Module during a space walk next year. The initial station gear will be reinstalled in the Service Module once the antennas have been fitted.

A Russian Proton-K rocket carried the long-delayed Service Module into orbit July 12 from Baikonur Cosmodrome. Zvezda ("star") will contain flight controls, waste-disposal facilities, and crew sleeping quarters. Once in orbit, the unmanned Zvezda will be docked July 26 by computer with Zarya ("dawn") and the US Unity modules launched in 1998.

A Russian call sign, RZ3DZR, has been issued for the ISS ham radio station. A German call sign, DL0ISS, also has been issued, and a US call sign has been applied for. An international call sign may eventually be assigned if a call sign block is established for international space stations.

(SUBMISSION FROM AB6DU, cont.)

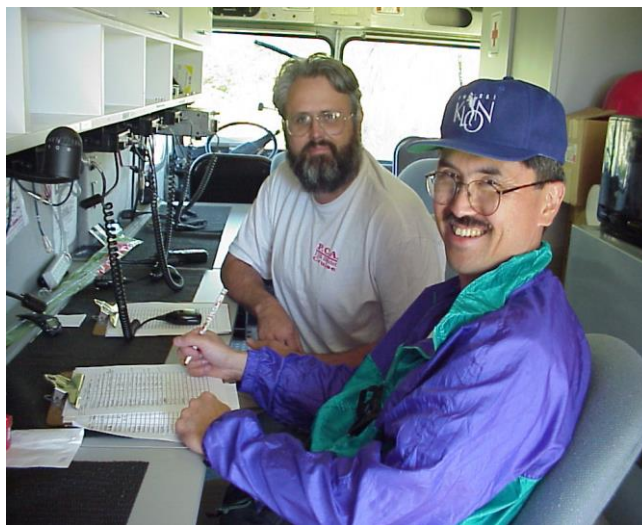
A primary goal of ARISS is to establish and maintain a schedule of Amateur Radio contacts with schools. ARISS will inherit the long legacy of the successful Space Amateur Radio EXperiment. SAREX, a cooperative education effort involving NASA and the ARRL, has allowed students to speak directly to shuttle astronauts and US astronauts aboard the Russian Mir space station via Amateur Radio.

As ISS construction progresses, it's expected that slow-scan TV, various types of amateur TV, and experimental projects eventually will be added. Phase 2 of the ARISS initial station calls for incorporating a German-built digitalker/speaker-mike, SSTV, and possibly an RF notch filter. Subsequent stages of the ARISS effort call for a transportable station and, ultimately, a permanent station that will include HF through microwave capabilities on several modes. Details of the permanent station still are being worked out.

Don't forget on Friday morning, the Ham and Ham Breakfast Club awaits your attendance the in the S cafeteria. It's a great way to start the last day of the workweek (unless you do I&T, of course, whence it might not be the last).

We have this FD shot. Who is the guy in the foreground with Wally W6LOY? I can't remember his name.

73, Dave AB6DU



FOR SALE

Diamond SPM 35 Mag mount with cable, (antenna not included). For antennas up to 45" long with PL259 (UHF) Male connector. Has PL259 Male at radio end. In very good cond. Orig. \$39.95. Asking \$15.00.

Epson FX86e 9 pin dot matrix printer. A "few" years old but in like new condition. Tractor feed or single sheet and will accept up to 5 part forms. Extra ribbons, books, cables, and a clear Lexan® stand/paper holder included. Current equiv. model is the FX880. Oh yeah, I'll throw in a full box of tractor feed paper. \$30.00

IBM Selectric II typewriter (sorry, no corrector on this one). Legal size carriage with extra ribbons and a couple of accessory font balls. Sea green case. The key assy needs some cleaning. The foam rubber under the keys is turning gooey so a couple of the keys are slow to return to their upward position. \$50.00 if I do the cleaning, \$20.00 if you do it.

Diamond Stealth 3^D 2000 video card. PCI bus, 4MB onboard DRAM. Perfect cond. \$20.00

John Cheatham / KE6OJM
R9/2477 X359Ø3, john.cheatham@trw.com

A Great Life Lesson submitted by Dave Bloodgood KD6PRO

A THOUSAND MARBLES

The older I get, the more I enjoy Saturday mornings. Perhaps it's the quiet solitude that comes with being the first to rise, or maybe it's the unbounded joy of not having to be at work. Either way, the first few hours of a Saturday morning are most enjoyable.

A few weeks ago, I was shuffling toward the basement shack with a steaming cup of coffee in one hand and the morning paper in the other. What began as a typical Saturday morning, turned into one of those lessons that life seems to hand you from time to time. Let me tell you about it.

I turned the dial up into the phone portion of the band on my ham radio in order to listen to a Saturday morning swap net. Along the way, I came across an older sounding chap, with a tremendous signal and a golden voice. You know the kind, he sounded like he should be in the broadcasting business. He was telling whoever he was talking with something about "a thousand marbles". I was intrigued and stopped to listen to what he had to say.

(A Great Life Lesson Cont.)

"Well, Tom, it sure sounds like you're busy with your job. I'm sure they pay you well but it's a shame you have to be away from home and your family so much. Hard to believe a young fellow should have to work sixty or seventy hours a week to make ends meet. Too bad you missed your daughter's dance recital,"

He continued, "Let me tell you something Tom, something that has helped me keep a good perspective on my own priorities."

And that's when he began to explain his theory of a "thousand marbles". "You see, I sat down one day and did a little arithmetic. The average person lives about seventy-five years. I know, some live more and some live less, but on average, folks live about seventy-five years. Now then, I multiplied 75 times 52 and I came up with 3900 which is the number of Saturdays that the average person has in their entire lifetime. Now stick with me Tom, I'm getting to the important part. It took me until I was fifty-five years old to think about all this in any detail", he went on, "and by that time I had lived through over twenty-eight hundred Saturdays. I got to thinking that if I lived to be seventy-five, I only had about a thousand of them left to enjoy. So I went to a toy store and bought every single marble they had. I ended up having to visit three toy stores to round-up 1000 marbles. I took them home and put them inside of a large, clear plastic container right here in the shack next to my gear. Every Saturday since then, I have taken one marble out and thrown it away. I found that by watching the marbles diminish, I focused more on the really important things in life. There is nothing like watching your time here on this earth run out to help get your priorities straight.

"Now let me tell you one last thing before I sign-off with you and take my lovely wife out for breakfast. This morning, I took the very last marble out of the container. I figure if I make it until next Saturday then I have been given a little extra time. And the one thing we can all use is a little more time.

"It was nice to meet you Tom, I hope you spend more time with your family, and I hope to meet you again here on the band. From a 75-year-old Man, this is K9NZQ, clear and going QRT, good morning!"

You could have heard a pin drop on the band when this fellow signed off. I guess he gave us all a lot to think about. I had planned to work on the antenna that morning, and then I was going to meet up with a few hams to work on the next club newsletter. Instead, I went upstairs and woke my wife up with a kiss. "C'mon honey, I'm taking you and the kids to breakfast."

"What brought this on?" she asked with a smile. "Oh, nothing special, it's just been a long time since we spent a Saturday together with the kids. Hey, can we stop at a toy store while we're out? I need to buy some marbles."

HAVE A GREAT WEEKEND AND MAY ALL SATURDAYS BE SPECIAL!!!!!!!!!!

NCVEC ADVANCES REVISED MORSE TESTING STANDARDS

The National Conference of Volunteer Examiner Coordinators has voted to set up revised standards for the administration of Morse code examinations in the US. The move at the NCVEC's July 21 meeting in Gettysburg, Pennsylvania, comes in the wake of the FCC's December 30, 1999, action to establish 5 WPM as the sole Amateur Radio Morse code requirement.

Under the revised standards, examinees would have to show 25 character-count solid copy on their test sheets or successfully answer seven out of 10 questions of a fill-in-the-blank quiz on the sent text. The plan would bar the use of multiple-choice tests for Morse code testing.

Morse examinations would specify use of the Farnsworth method, where characters are sent faster than the overall speed and additional spaces added between characters, words and sentences. Farnsworth "character speed" would be in the range of 13 to 15 WPM at an audio pitch of between 700 and 1000 Hz. Standard 5 WPM tests with 5 WPM character speed could be administered only as a special accommodation.

The new Morse testing standards are to be in effect by next July 1, but VECs may implement them sooner.

Representatives of 11 of the nation's 14 Volunteer Examiner Coordinators attended the session. Also on hand were six FCC staff members. The FCC's Bill Cross, W3TN, and Steve Linn, N4CAK, conducted FCC presentations. FCC staff members indicated that any decision on petitions for reconsideration of the FCC's Amateur Radio restructuring Order would not come until this fall or winter. The FCC also said that an FCC Order appointing amateur club station call sign administrators is pending, but gave no indication of when it would be released. The ARRL-VEC, the W5YI-VEC and W4VEC have applied to be call sign administrators.

Cross also advised the conference that an overlooked amendment to the Communications Act has eliminated the test fee reimbursement basis. The ARRL initially had requested this change several years ago. The FCC plans to issue a Public Notice by year's end clarifying how this will affect 2001 test fees. In the meantime, the current fee schedule remains in place.

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, also addressed the session. In his remarks, Hollingsworth discussed recent enforcement actions and emphasized the VEC's obligations to uphold the integrity of the volunteer examiner system.

The NCVEC Question Pool Committee was re-elected at the Gettysburg gathering. Ray Adams, W4CPA, will continue as chairman.

FCC statistics presented during the session show that Technician and Tech Plus licensees still make up nearly one half of the US amateur population, which totals 710,626--including expired licensees within the two-year grace period. As of July 18, there were 209,550 Techs and 121,175 Tech Pluses. Reflecting the shift in license class because of restructuring, Extras now number 92,165, and Generals 134,015--both up by more than 20% over year-earlier figures. There are 93,834 Advanced ops, and the Novice population remains at just under 60,000.

(FCC News Cont.)

FLORIDA MAN ARRESTED FOR INTERFERENCE TO HAMS

(Reprinted from the ARRL Letter Vol. 19, No. 29)

Federal authorities have arrested a Florida man and charged him with interfering with Amateur Radio operations and transmitting without a license. William Flippo of Jupiter was taken into custody July 20. The arrest is the latest chapter in a lengthening saga involving complaints of flagrant and repeated malicious interference attributed to Flippo. Flippo already faces a \$20,000 fine levied last summer for unlicensed operation, willful and malicious interference to Amateur Radio communications, and failure to let the FCC inspect his radio equipment. The matter was referred to the US Attorney in January after Flippo failed to pay the fine, and the interference complaints continued.

Armed with a search warrant, federal marshals and FCC and FBI agents, accompanied by local authorities, took Flippo into custody. FCC agents seized items related to the alleged offenses, including radio equipment.

Flippo was released on \$100,000 bond. An arraignment on the federal charges is scheduled for July 31. One condition of his release is that he not make any radio transmissions.

Flippo was charged with four counts of transmitting without a license—each count carrying a maximum penalty of one year in prison and a \$10,000 fine--and four counts of interfering with the operations of licensed stations, which carry the same penalty.

Hams in Florida say Flippo has continued to thumb his nose at the FCC—even since being fined--and has persisted in flouting the law by interfering with local HF and repeater nets. FCC Enforcement Bureau Deputy Chief Jane Mago commended the members of the amateur community, who provided information leading to Flippo's arrest. She also thanked the US Attorney's Office for the Southern District of Florida and the US Marshals Service for their efforts in prosecuting the case.

2000 ARRL/TAPR DIGITAL COMMUNICATIONS CONFERENCE SET

(Reprinted from the ARRL Letter Vol. 19, No. 29)

The 19th Annual ARRL and TAPR Digital Communications Conference will be September 22-24 in Orlando, Florida--just minutes from the Orlando International Airport and not far from area attractions and vacation spots such as Disney World, Universal Studios, and Sea World.

The ARRL and TAPR Digital Communications Conference is an international forum for radio amateurs in digital communications, networking, and related technologies to meet, publish their work, and present new ideas and techniques for discussion. The DCC is aimed at digitally oriented amateurs at all experience levels. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results, and practical applications. Chairing this year's event is Steve Stroh, N8GNJ, recently named as CQ magazine's digital editor.

Beginning, intermediate, and advanced presentations on selected topics in digital communications will be offered. Topics will include APRS, Satellite Communications, TCP/IP, Digital Radio, Spread Spectrum and other introductory subjects. A symposium and a seminar will be held to allow those with additional time and interest to make the most of the Conference.

Papers on digital topics are invited for publication in the Conference Proceedings. Presentation at the Conference is not required for publication. Papers are due by August 7, 2000, and should be submitted to Maty Weinberg, ARRL, 225 Main St, Newington, CT 06111, or via the Internet to lweinberg@arrl.org. Information on paper submission guidelines are available at <http://www.tapr.org/dcc>.

Complete information and a registration form are available from Tucson Amateur Packet Radio, 940-383-0000; fax 940-566-2544; e-mail: tapr@tapr.org; <http://www.tapr.org>.

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 NEW
Emer. Comm. Coordinator	Wendell Young	KE6ASC	R5 / 1060B	(310) 813-7691
Librarian				
Membership Chairperson	Dave Nelson	AB6DU	DH4 / 2461	(310) 764-3496
Past President	Greg Shreve	KE6YEX	Offsite	
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:

