



CROSSTALK

NEWSLETTER OF THE W6TRW
AMATEUR RADIO CLUB

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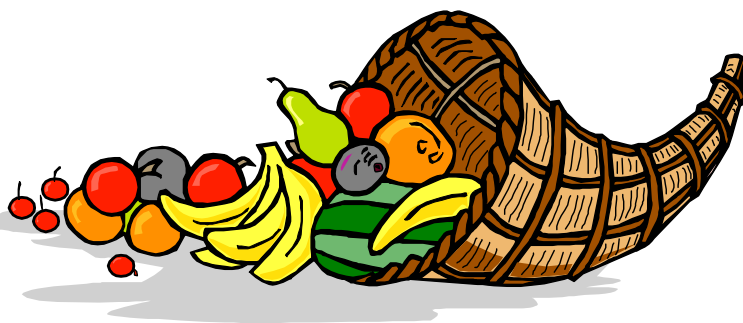
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HAPPY THANKSGIVING



Duane Park, WA6EIK Crosstalk Editor/Webmaster

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W6TRW ARC Monthly Calendar of Events

Third Tuesday of each month	5:30 pm	Executive Board Meeting, R4/2020f (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 (Rain or Shine & Holidays)	7:00 am	W6TRW/ARC Swap Meet Marine and Aviation (Southeast Corner)
During the Swapmeet	10:00 am	VE Sessions in Cafeteria

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	W6TRW Retirees Net 7185 KHz
Every Friday Morning	7:30 am	W6TRW Amateur Radio Club Breakfast Building S Cafeteria - Everyone is invited Talk-in on 2 Meters

Other Ham Swap meets:

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

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)

CA Microwave Relay Assoc. at CAL POLY - 3rd Sat. ea. mo. 7-11am in lots F8,F9 and F10 @ CAL Poly Pomona at 3801 West Temple.

SHARING SPECTRUM WITH OTHER SERVICES A HAM RADIO REALITY

Reprinted from The ARRL Letter Vol. 20, No. 44

Amateur Radio operators can get mighty territorial when they perceive that some other radio service is intruding upon "their" turf. What many hams often don't understand, however, is that Amateur Radio is a secondary service in the US on several popular bands or subbands. As such, it's subject to interference from primary radio service occupants and, by law, must avoid interfering with them. And, of course, ham bands are not all the same everywhere in the world.

Hams share most of their spectrum--especially the UHF and microwave allocations--with other users, typically the US Government and Fixed and Mobile services. The popular 70-cm band, 420-450 MHz, is a good case in point, says ARRL Field and Regulatory Correspondent Brennan Price, N4QX.

"Amateur use of the 70-cm band is secondary to government radiolocation services in the US, so hams must tolerate interference from the primary service and may not QRM it," Price explained. No operation in the 420-430 MHz band is permitted north of Line A which extends just south of the Canadian border from Maine to Washington state. 50-W output power limitations apply to operations near certain US military installations as documented in Section 2.106, US Footnote 7 and mentioned in *The ARRL's FCC Rule Book*.

Price notes, however, that military use of the band is not confined to these areas, and the band is utilized aboard aircraft. "We occasionally receive inquiries from amateurs who complain of 70-cm disruptions when military planes fly overhead," said Price, who also serves as the ARRL Monitoring System coordinator. "We have every reason to believe that the current spate of widely heard disruptions is due to high-altitude airborne operations by the band's legal, primary occupant--the US Government." The 420-430 MHz segment is allocated on a primary basis worldwide to the Fixed and Mobile (except Aeronautical Mobile) services.

Two meters--144 to 148 MHz--is an exclusive allocation in ITU Region 2, which includes North and South America. US hams who have taken along an H-T while vacationing in Europe or elsewhere in Region 1, however, know that the 2-meter band in that part of the world is 144-146 MHz. In Region 3, hams have exclusive access to 144-146 MHz and share 146-148 MHz on a co-primary basis with Fixed and Mobile Service stations.

Six meters--50 to 54 MHz--is an exclusive ham allocation in Regions 2 and 3, but the band is allocated exclusively for broadcasting in Region 1—although certain countries do allow limited 6-meter operation.

The sharing news is much better on the higher HF bands. The 20, 17, 15, 12 and 10-meter bands are allocated to the Amateur Service on an exclusive basis worldwide--with a few minor exceptions for the high end of 20. On other HF bands, some sharing occurs.

On 30 meters--10.1 to 10.15 MHz--hams are secondary to non-US Fixed Service stations throughout. Amateurs must avoid harmful interference to these stations.

The 40-meter band is currently the focus of an effort supported by the International Amateur Radio Union and ARRL to obtain a 300-kHz worldwide exclusive allocation. Most of the world does not have access to the 300 kHz-wide swath from 7.0 to 7.3 MHz that US hams enjoy. In the rest of the world, the upper two-thirds of 40 is dominated by broadcasters. This issue is on the agenda for the 2003 World Radiocommunication Conference <<http://www.arrl.org/announce/regulatory/WRC-03/>>. One suggested remedy would shift the allocation downward to create a 300-kHz worldwide band at 6.9 to 7.2 MHz.

(SHARING SPECTRUM WITH OTHER SERVICES A HAM RADIO REALITY cont.)

The 80/75-meter band--3.5 to 4.0 MHz--is exclusive to the Amateur Service in the US. Elsewhere in Region 2 hams have exclusive status from 3.500 to 3.750 MHz and share the rest of the band with foreign Fixed and Mobile services on a co-primary basis. Amateurs in Regions 1 and 3 share parts of the band with Fixed and Mobile. There is no amateur operation allowed above 3.8 MHz in Region 1, which includes Europe.

The 1.8 to 1.9 MHz segment of 160 meters is exclusive to US amateurs. Hams in the US are secondary on 1.9 to 2.0 MHz to the primary Radiolocation Service (government and non-government).

A table of US Amateur Radio allocations is available on the ARRL Web site <http://www.arrl.org/FandES/field/regulations/USbands.pdf>>. The "Considerate Operator's Frequency Guide" details band plans for Amateur Radio <http://www.arrl.org/FandES/field/regulations/conop.html>>.

HAM-SAILOR SETS SAIL FOR HOME *Reprinted from The ARRL Letter Vol. 20, No. 44*

Ham radio's senior sailor David Clark, KB6TAM, set sail this week from Trinidad to complete the final leg of the adventure of his lifetime. Clark, who is 77, is attempting to become the oldest person to sail solo around the globe. He plans to arrive back in Ft Lauderdale, Florida, on December 7. Clark has been using Amateur Radio aboard his vessel to keep in touch with his family and friends.

His immediate goal is St Croix in the US Virgin Islands, said his wife, Lynda, but if the weather cooperates and everything goes well he may proceed directly to Great Inagua in the Bahamas. "This is technically the completion of the goal, since his outgoing and incoming paths will cross again--where he checked out and will check in again," Lynda Clark said. "However, we will feel he has finished the goal when he reaches Ft Lauderdale where we all said good-bye to him two years ago."

Accompanied by his dog, Mickey, Clark departed South Florida in December 1999 in the 44-foot steel-hulled sloop, the Mollie Milar--named for his mother. Mickey was lost and Clark himself nearly died after the vessel sank last February off the coast of South Africa. Not one to give up that easily, Clark was able to purchase another sailboat--a smaller one that he named Mickey--and resumed his quest in April. He's been sitting out the Atlantic hurricane season in Trinidad, where he arrived in July.

Clark was expected to be checking in on the 20-meter Seafarer's Net on 14.313 MHz. The final leg from Trinidad to Fort Lauderdale is approximately 1500 miles.

For more information on Clark's journey, visit these Web sites <<http://www.dclark.com>> and <<http://www.captainclark.com>>.

Morse Code to be featured on upcoming X-Files episode:

Rob Ginkowski, WA6CW, of Hollywood, California, served as a technical adviser to TheX-Files star Robert Patrick for an upcoming episode. Patrick's character, John Doggett, was in a hospital bed, paralyzed, and was required to send a Morse code message by tapping his index finger. WA6CW (who also works as an actor) taught Patrick how to tap out the message at about 5 WPM. "He was a fast learner," Ginkowski commented. No word on what the message was, but it might be, "The truth is out there." The episode, entitled "4-D," is scheduled to air **Sunday, December 9, on the Fox TV Network.**

HAMS UNDERTAKE A RANDOM ACT OF KINDNESS IN FLORIDA

Reprinted from The ARRL Letter Vol. 20, No. 44

It had very little if anything to do with ham radio Saturday, September 21, when the Dade County Amateur Radio Public Service Corps organized a group of active hams in Southern Florida to spruce up the Flight 592 Memorial. Many of the hams involved had helped provide communication in the aftermath of the 1996 ValuJet crash in the Everglades.

The amateur volunteers put in some 40 work hours pulling weeds and grubbing out their roots, killing ant colonies, applying herbicides, cutting grass, sweeping, refilling missing sand, re-leveling brick walkways and piling up the debris--mostly natural overgrowth. About a dozen hams participated in the effort.

"These folks do this kind of thing without request, but because there is a need to care," said ARRL Southeastern Division Vice Director Evelyn Gauzens, W4WYR. "This group of amateurs are very special people with hearts as big as the whole world."

Family members of Flight 592 victims also expressed their appreciation for the effort. This comment was typical of several posted on the Flight 592 Memorial Web site <<http://www.flight592.com/>>: "I want to thank you from the bottom of my heart for what you did. It was a wonderfully selfless act and greatly appreciated. Those of us who live too far away and are unable to see to the care of the memorial are greatly touched by the generosity of strangers. Thank you again and God bless you."

Additional information and photographs are available on the South Florida FM Association Web Page <<http://sffma.net/cleanup.htm>>. Said Ray Vaughan, KD4BBM "To everyone who helped, we did make a difference. Let's do it again."

GEORGIA TO HOST 2002 USA ARDF/RADIO-ORIENTEERING CHAMPIONSHIPS

Reprinted from The ARRL Letter Vol. 20, No. 44

ARRL Amateur Radio Direction Finding (ARDF) Coordinator Joe Moell, K0OV, has announced that the Georgia Orienteering Club will host the second USA ARDF/Radio-Orienteering Championships. The event will take place April 19-21, 2002, at F. D. Roosevelt State Park near Pine Mountain.

The USA ARDF/Radio-Orienteering Championships are open to all, from beginners to experts from the US and elsewhere, and no Amateur Radio license is needed to compete. The 2002 competition will feature 2-meter and 80-meter ARDF events. Participants will compete in age/gender categories with awards given for first, second and third-place finishes in each. Awards will be presented in two divisions, Overall and USA-Only.

Details, including rules and registration forms, are on the Georgia Orienteering Web site, <<http://www.mindspring.com/~sam.smith/gaoc>>. Click on the "Radio-O Champs" link (under Special Events). The GAOC site includes information on lodging options.

The next ARDF World Championships in fall 2002 will be held in Slovakia, and positions on Team USA for that event will be determined by individual performances at Pine Mountain and at the USA Championships in Albuquerque that were held this past August (see "The 2001 USA ARDF Championships are a Winner!" <<http://www.arrl.org/news/features/2001/08/24/1/?>>>).

For additional information on Amateur Radio direction finding, visit Joe Moell's Homing In Web site, <<http://www.homingin.com/>>.--Joe Moell, K0OV

W6TRW AMATEUR RADIO CLUB

ELECTED OFFICERS

President	Bob Briggs	KD6WYQ	01 / 1260	(310) 813-2622
Vice President	Stuart Gorsky	KF6QHV	R5 / 1060	(310) 812-0255
Secretary	Craig Gullickson	N6ED	R6 / 2529F	(310) 812-5389
Treasurer	Jason Fujino	KD6ELS	R5 / 2130	(310) 812-5461

APPOINTED STAFF

447 Repeater Autopatch	Duane Park	WA6EIK	O1 / 1070	(310) 813-4219
Activities Chairperson	Mike Hamada	KF6UCN	M5 / 0435	(310) 814-2628
Crosstalk Editor	Duane Park	WA6EIK	O1 / 1070	(310) 813-4219
Emer. Comm. Coordinator	Wendell Young	KE6ASC	R5 / 1060B	(310) 813-7691
Librarian	Dave Nelson	AB6DU	DH4 / 1423G	(310) 764-3496
Membership Chairperson	Wendy Crawford	KQ6CG		(310) 513-2060
Past President				
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	Chris Wachs	WA2KDL	M4 / 2375	(310) 813-1506
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
W6TRW COMM Webmaster	Duane Park	WA6EIK	O1 / 1070	(310) 813-4219

BOLD=NEW

W6TRW 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.com/>

W6TRW Amateur Radio Club

FIRST CLASS

S/1156

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Deliver To:

