



CROSSTALK

NEWSLETTER OF THE W6TRW
AMATEUR RADIO CLUB

Volume 34 Number 3

March 2002



UNITED WE STAND



BREAKING NEWS:

Hap Holly KC9RP 2002 Dayton "Ham of the Year"

Last Years Banquet Speaker has been chosen to be "Ham of the Year" at the 2002 Dayton Hamvention. See page 3 for more.

For Sale: Ten Tec Omni VI with plus upgrade, \$1100.
Kenwood TS-60, 90 watt 6 meter all mode, \$500.
Bill Shanney, W6QR. Phone 310-813-8159 daytime.

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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.

(Editor's note: Hap was our 2001 Annual Banquet Guest Speaker)

Dayton Hamvention 2002 Award Winner "Amateur of the Year"

Alanson "Hap" Holly, KC9RP, of Des Plaines, IL has been chosen to receive Dayton Hamvention's Amateur of the Year award for 2002. Mr. Holly (licensed since 1965) began ham radio informational programming in 1984, which lead him to become founder and moderator (and guiding light) of a weekly amateur radio audio feature magazine known as the RAIN Report - The Radio Amateur Information Network. Mr. Holly, who incidentally is blind, produces this weekly program from his ham shack in suburban Chicago. He provides timely interviews, commentaries from other hams, excerpts from many of Hamvention's forums and many other items of interest to the amateur radio community. His RAIN programming can be heard on hundreds of amateur repeaters across the nation, and also by telephone. Mr. Holly is an inspiration to licensed radio amateurs, non-hams, and the visually impaired and sighted individuals worldwide. Dayton Hamvention is proud to honor Alanson "Hap" Holly, KC9RP, as its Amateur of the Year for 2002.

TiungSAT-1 gets OSCAR designation:

(Reprinted from The ARRL Letter Vol. 21, No. 11)

AMSAT-NA has designated the TiungSAT-1 Amateur Radio satellite as "Malaysian-OSCAR-46" (MO-46). TiungSAT-1 was one of three Amateur Radio payloads propelled into space September 26, 2000, aboard a converted Soviet ballistic missile. It is Malaysia's first microsatellite. For amateurs, the spacecraft offers FM and FSK (at 9.6 kB) with uplinks at 145.85, and 145.925 MHz and downlink at 437.325 MHz. The satellite also carries land and weather imaging payloads. TiungSAT--named after the mynah bird native to Malaysia--was developed as a collaborative effort between the Malaysian government and Surrey Satellite Technology Ltd.

SOLAR UPDATE *(Reprinted from The ARRL Letter Vol. 21, No. 11)*

Propagation maven Tad Cook, K7VVV, Seattle, Washington, reports: Wednesday, March 20, is the vernal equinox--the first day of spring--when Earth's position relative to the sun makes daylight equal over the northern and southern hemispheres. This is also a great time for HF DX.

Conditions on 10 and 12 meters recently have undergone seasonal improvement, but worldwide DX on these bands should decline after the equinox. With equal sunlight in both hemispheres, neither band experiences seasonally low MUFs, and neither has the problem of shorter band openings due to shorter days.

Solar flux and sunspot numbers have been flat, and there haven't been any big geomagnetic upsets this week. Average daily sunspot numbers were lower this week by 38, and solar flux was down nearly four points. There was an M5 class solar flare on March 14, but there is little chance of its affecting us. The current outlook is for solar flux staying about the same, but gradually rising over the next week to around 200. Currently the short term peak in activity is predicted for March 23-25.

Sunspot numbers for March 7 through 13 were 152, 133, 107, 114, 153, 139 and 154, with a mean of 136. The 10.7-cm flux was 179.7, 176.8, 184, 179.3, 182.3, 178.4 and 184.3, with a mean of 180.7. Estimated planetary A indices were 10, 4, 5, 9, 9, 10 and 5 with a mean of 7.4.

WORLD AMATEUR RADIO DAY TO CELEBRATE TECHNOLOGICAL INNOVATION *(Reprinted from The ARRL Letter Vol. 21, No. 11)*

World Amateur Radio Day this year will provide an opportunity to reflect on radio amateurs as an important source of innovation in communication technology. Observed each year on April 18, World Amateur Radio Day commemorates the founding of the International Amateur Radio Union in Paris on that date in 1925. The IARU is the worldwide federation of national Amateur Radio organizations representing amateurs in 153 countries.

A century has passed since Marconi spanned the Atlantic and excited the imaginations of the first generation of amateur wireless experimenters. Amateurs were the first to discover and to exploit the remarkable properties of the ionosphere, the IARU noted.

Amateurs also were the first to make widespread use of single-sideband voice communication to conserve power and precious radio spectrum. Amateurs applied microprocessors to data communication, popularizing packet radio and developing protocols that are now in widespread use in public safety and other services.

As we enter radio's second century, amateurs continue to lead the way in numerous areas. Radio amateurs are the leading developers of new digital techniques for high-frequency (HF) data and text communication, such as PacTOR. Disaster relief agencies have adopted it for use from remote locations where no telecommunications infrastructure is available.

PSK31, another amateur innovation, is a user-friendly mode that provides live keyboard-to-keyboard communication at low power levels. PSK31 has become the most popular amateur digital mode in less than two years. Other amateur developers, building on the success of PSK31, are using sound cards to explore a wide range of other digital modes tailored for the challenging HF environment.

Amateurs also are contributing in the arena of software defined radios (SDRs). An outstanding example of a DSP radio designed for experimental use is the DSP-10, a transceiver for the 144-MHz amateur band designed by Bob Larkin, W7PUA, of Corvallis, Oregon. Working with Larkin, a team of amateur software developers is refining a family of programs tailored to explore a wide range of VHF, UHF, and microwave propagation media, including moonbounce and extended-range tropospheric scatter.

The IARU cites these as but a few examples of what is happening in Amateur Service of the 21st century.

The IARU is a sector member of the International Telecommunication Union and is the recognized representative of the Amateur and Amateur-Satellite Services at the ITU.--IARU.

VANITY PROCESSING MAY BE BACK ON TRACK

(Reprinted from The ARRL Letter Vol. 21, No. 11)

Following a dry spell of several days, the FCC has issued 37 new vanity call sign grants but doesn't plan to process any more vanity applications until early next week. A Private Wireless Division Licensing and Technical Analysis Branch staff member told ARRL that the FCC does not anticipate any problems with the latest grants but will "continue to check things just in case." The latest processing run included vanity applications received by the FCC through last December 14.

For now, FCC personnel are cautiously optimistic about restarting routine processing. "If everything ran properly last night, I expect we will run another batch on Monday night," the FCC staff member said March 15. "From there, we'll just have to see how the system holds up. If it continues to work properly, we will process daily." After initially restarting routine processing March 6 and issuing some 600 vanity grants, the FCC stopped the system again after the March 8 run. Other Amateur Service applications have continued to be processed normally.

FCC Gettysburg, Pennsylvania, staffers have spent this week sorting out the vanity application processing anomaly that led them to again put vanity processing on hold. A staff member explained that the Licensing Branch experienced a problem that involved the improper dismissal of a vanity application--a glitch apparently related to the processing software. A decision was made to halt vanity processing and fix the problem now rather than risk having to call back grants later, she explained.

The latest amateur grants should be available via Internet call sign servers sometime on March 16, but they are available immediately via the Universal Licensing System (ULS) <<http://wireless.fcc.gov/uls>>.

A substantial backlog of vanity applications that were delayed as a result of anthrax-related mail problems last October remains to be processed. The FCC database indicates some 1700 pending applications--most of them vanities--some 500 of which still are within the FCC's typical 18-day vanity processing window.

Vanity applicants were advised to be patient and to refrain from repeated inquiries to the FCC. In addition to the Amateur Service, Licensing Branch staffers in Gettysburg also handle applications for certain commercial and public safety wireless services.

Amateurs with pending applications may take advantage of the FCC Call Center's toll free number, 888-CALL FCC (888-225-5322) or may initiate an application search via the FCC's Universal Licensing System Web site <<http://wireless.fcc.gov/uls>>.

W6TRW AMATEUR RADIO CLUB

ELECTED OFFICERS

President	Wendell Young	KE6ASC	R3 / 1086	(310) 813-2622
Vice President	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Secretary	Wendy Crawford	KQ6CG	Carson	(310) 513-2060
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	Bob Briggs	KD6WYQ	O1 / 1270	(310) 813-2622
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:

