



THE COMMUNICATOR

Newsletter of the TAMAMI AMATEUR RADIO CLUB

Incorporated 30 November 1984 – Venice, Florida
Mailing Address: 1419 E. Manasota Beach Rd., Englewood, FL 34223-6341
Web Site -- <http://tamiamiarc.tripod.com>
W4AC Repeaters – 146.805 MHz(-), 444.100 MHz(+) both w/100 Hz PL



-- MARCH 2007 --

-- PRESIDENT'S MESSAGE --

February 10 was a beautiful day for the Orlando Hamcation, and it seemed to me that attendance was up considerably from the previous year. I spun a few knobs on the latest offerings from ICOM and Yaesu, some of which are now approaching the cost of a compact car.

“What’s in The Box?” Department: Back in April 2006 the TARC received the donation of an ICOM 765. Now being in need of something to operate while I am between rigs, I decided to see about getting on the air with this bequest. Upon opening the factory box, which was labeled ICOM 765, I was surprised to find that inside was, instead, the 765’s predecessor, and ICOM 761. While there was also a nice Nye paddle, there was no manual or microphone. I fired it up into a dummy load and it seemed to work perfectly—unless you like to operate below 20 meters, in which case, *nada*, totally dead. After rigging up a semi-stealth outdoor dipole, I made a couple CW contacts on 20 meters. Then I took the rig over to Stew-W4MO for his expert opinion. After looking inside and checking a downloaded schematic diagram revealing all sorts of IFs—one over 100 MHz—all tied together into a Byzantine heterodyning scheme, he thought that maybe a call to ICOM was in order. Hopefully, we can get it repaired in time to use for our Sharks tooth Festival operation in April. Stay tuned.

VY 73 de Konrad-WA3RRS

-- MARCH MEETING --

Our next TARC meeting will be at 7:00 PM on 08 March 2007 in the Community Room of The Gulf Coast Community Foundation of Venice, 601 South Tamiami Trail (Business US 41), across from the Venice Regional Health Center. Following the business meeting, a presentation of “Amateur Radio for Retirees” will be made followed by a discussion period. Come on out and show support of your club.

-- 2007 TARC DUES ARE DUE --

March is the last month for TARC members to renew their dues for 2007. This also applies to those who received free membership prior to October 2006.

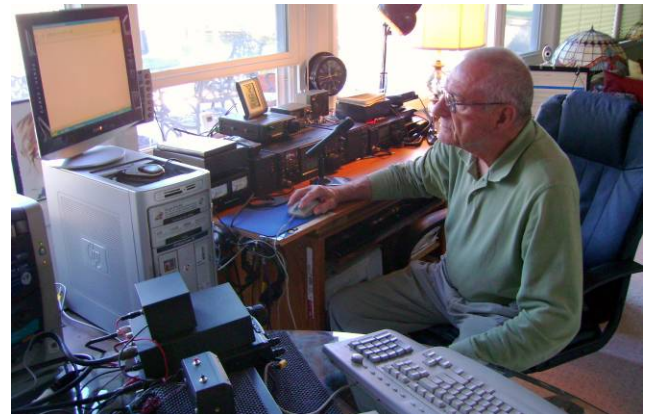
-- 548 YEARS OF AMATEUR RADIO --



From the left, Art-W3WM (68 years), Stew-W4MO (60 years), Bob-N1RA (66), Jack-W4JS (53), Ben-W4BT (75), Bernie-W4GO (70), Croft-VE3CT (57), Lee-K4GCY (68), and Walt-N3WS (31 years).

Following the 07 February meeting of QCWA Suncoast Chapter 53 nine of the Old Timers, including six TARC members, posed for a photo. Think they’ve warmed the airwaves a bit over the years?

-- GETTING IT ALL BACK ON TRACK --



Stew Haag-W4MO is seen here performing some magic on one of the computers owned by Bill Salmon-W2IL (formerly WA2EIL). No smoke to be seen, so it must be working OK!

-- MOONSHINE NET --

Looking for 10-meter activity? Try this net at 7:00 PM EST, Wednesday and Sunday on 28.405 MHz.

TAMIAMI AMATEUR RADIO CLUB

Minutes of the Meeting

08 February 2007

President Konrad Owens-WA3RRS called the meeting to order at 7:04 PM and led the pledge of allegiance. Hans Napfel-WB2ZZB was recognized as a visitor. Mike Hickey-AI4SR of Sarasota and Marty Himmelfarb-W1JMH of Venice were welcomed as new TARC members. Introductions were then made all around.

MINUTES – Konrad asked for a motion to accept the minutes of the 11 January 2007 meeting as published in the February 2007 issue of *The Communicator*. Bob Marchese-K1NOK so moved, seconded by Croft Taylor-VE3CT, and passed.

CORRESPONDENCE – Jack-W4JS reported receipt of a nice e-mail letter from Life Member Bryon Hume-K5AIA, and read some pertinent passages from Bryon's letter.

TREASURER'S REPORT – Treasurer Don Gray-WD7A reported that the 11 January starting balance was \$4756.25. Receipts were \$16.00 from the January 50/50 drawing, \$135.00 from renewal dues from 9 members, and \$50 from sale of a power supply from the Club's inventory, totaling \$201.00. Expenses were \$500.00 for donation to Airwave Ministries, \$426.10 for purchase of a LCD projector, \$3.43 for newsletter printing, and \$39.95 for one month's Internet service at the W4AC Repeater site, totaling \$969.48. The 11 January ending balance, disregarding income and expenses at tonight's meeting, is \$3987.77. Diana Gregory-KI4GRF moved acceptance of the report, seconded by Jon Hamlet-W4ZW, and passed.

COMMITTEE REPORTS

SUNSHINE – Matt Klapp-W2EQV reported all was quiet.

VE TESTING – Jack-W4JS stated that there will not be a VE session this coming Saturday due to the Orlando Hamcation. Announcement had been made, however, of an extraordinary VE session on 24 February to provide instant upgrades to any Technicians holding CSCEs for Element 3, General Class written exam, and Jack asked that this notice be spread by the members as best possible.

REPEATER/TECHNICAL – Stew Haag-W4MO reported that the WiFi Internet service at the repeater site had been switched over to DayStar, and that the contract with EWOL should be cancelled. DayStar will provide three months of service at no cost, after which time a contract will need to be implemented.

Bob Avrutik-N1RA reported that he has the packet gateway station operating properly from his home, however, a better location with better antenna is

mandatory such that all members could access the station.

CLUB PROPERTY – Stew-W4MO advised that a power supply from the Club's inventory was sold at the Fort Myers Hamfest.

PUBLICITY/MEMBERSHIP – Konrad displayed the article "Changing Lives with Communications," which was published in the 28 January 2007 edition of the *Venice Gondolier Sun*. This article told of the efforts of Airwave Ministries in Indonesia and of TARC's financial support. Don-WD7A reported that 59 members had paid their 2007 dues to date.

EMERGENCY COORDINATOR – Konrad reminded all of the DARN radio checks scheduled for 11:00 AM and 7:30 PM on 12 February, starting off on our W4AC Repeater. Konrad reported that an 11-element 2-meter beam has been donated for use by DARN at its Naples station; pending pickup and installation.

NET OPERATIONS – Konrad encouraged all to participate in the TARC Tuesday and Thursday 2-meter nets.

PUBLIC RELATIONS – Diana Gregory-KI4GRF reported that she had been making contacts with Scout leaders and several churches in an effort to give presentations on ham radio. As Boy Scouts can still earn a Radio Merit Badge, she is hopeful of some progress with that group.

LIAISON TO EARS – Konrad reported attending the January EARS meeting, at which time election of officers was held.

LIAISON TO QCWA – Jack-W4JS reported that 38 Suncoast Chapter 53 members and friends attended the 06 February luncheon meeting. Presentation was made of a 75-Year Plaque to a former Charter Member of the chapter, and Hans Napfel-WB2ZZB gave a power point program which included a variety of sights and sounds. Joe Thiel-WA1VNP will give the March program on the topic of "Space Junk" and all are invited to attend.

OLD BUSINESS – Discussion was held regarding several pending items:

- Christmas Dinner Venue – Konrad announced that the dinner will be held at 6:00 PM, 19 December 2007 at Troyer's Dutch Heritage restaurant, 3713 Bahia Vista Street, Sarasota. Cost will be \$18.00 per person for all-you-can-eat buffet.
- Golf Shirts – The former supplier has not yet been identified.
- TARC Badges – Two members at the meeting indicated they had not received badges, and both were already on the list of needed badges. The list of needed badges will be finalized in early

See MINUTES, page 5

CURRENT/PENDING DX ACTIVITY & PROPAGATION FORECASTS

CURRENT and/or SCHEDULED DX ACTIVITY										
COUNTRY – CALL SIGN	ACTIVITY PERIOD	BEAR-ING	HF BANDS and BEST OPENING TIMES (GMT)							
			80	40	30	20	17	15	12	10
Norfolk Is – VK9DNX, VK9N	Now to 03 Mar	250	07-13	06-14	04-14	00-02	19-01	20-01	21-00	22-23
Sao Tome – S92FM	Now to 07 March	90	23-06	22-07	20-04	13-01	13-23	14-22	16-20	16-20
Samoa – 5W0RE	Now to 11 Mar	257	05-12	03-14	03-14	18-02	18-00	19-23	19-22	19-22
Senegal – 6W/F6HMJ	Now to 13 Mar	87	23-08	21-09	18-05	12-00	13-23	15-21	16-19	16-19
Dodecanese Is – SV5/DJ7RJ	Now to 18 Mar	49	23-05	22-07	21-04	13-19	14-18	16-18	16-18	19-21
Senegal – 6W/RW3TN	Now to 31 Mar	87	23-08	21-09	19-05	12-00	14-23	16-21	17-19	17-19
Egypt – SU8DLH	03 – 12 March	54	23-05	22-06	21-02	13-19	15-18	16-17	16-17	NO
South Cook Is – E51PJT	03 – 17 March	246	04-12	03-13	02-13	17-02	17-01	17-00	18-22	19-21
Senegal – 6W/DL6CT, DL7CM, DM2AYO	03 – 23 March	87	23-08	21-09	19-05	12-00	14-23	16-21	17-19	17-19
Guinea Bissau – J5UAR	04 – 22 March	90	23-08	21-09	20-08	13-01	13-23	16-21	17-20	17-20
Brunei – V85NL	08 – 12 March	330	1100	10-12	12-14	14-18	16-18	16-18	NO	NO
Sprately Is – 9M4SDX	10 – 19 March	337	1130	11-12	11-13	14-18	15-17	15-18	NO	NO
Guinea Bissau – J5BI	14 – 28 March	90	23-08	21-09	20-09	13-01	13-00	15-22	16-21	16-21
Swaziland – 3DA0 by 7 Irish operators	16 – 25 March	106	23-04	22-05	22-06	18-21	13-18	15-17	15-17	NO
Kermadec Is – ZL8GO, ZM8CW	22 – 27 March	245	06-12	04-13	03-14	00-04	19-02	20-00	20-23	21-22
Agalega Is – 3B6/SP9MRO, 3B6/SP9PT	22 Mar – 02 Apr	75	23-03	22-04	22-04	18-00	15-21	15-20	17-18	17-18
Swains Is – N8S	04 - 15 April	260	05-12	03-14	02-14	18-13	18-04	18-02	19-22	19-22

Updated 26 February 2007, based on 21 February 2007 *QRZ DX*, 26 February 2007 *The Weekly DX*, and *K1XN's DX Alert 702-C*

Note: **Time in bold** = Best Band(s) for opening; ??? = Call Sign not yet known; ++ = Phone Only; ** = CW Only; NO = No Opening forecast.
Long Path bearings and opening times are underlined. All forecasts are calculated using *W6ELProp V.1.03* propagation software, available at <http://www/qs1.net/w6elprop/> by Sheldon C. Shallon-W6EL. Solar Flux and K-index varied in accordance with NOAA 27-day forecast.

-- FEBRUARY SOLAR ACTIVITY --

During the first 26 days of February, the Solar Flux ranged from 73 up to 90, with a mean value of 78.0 (vs. 76.6 for February 2006 and 97.3 for February 2005). The A-index was ≤ 10 on 18 days.

Solar activity was very low to low levels. Earth's geomagnetic field was disturbed 12 – 16 February due to a recurrent coronal hole high-speed stream (HSS). Unsettled to minor storm levels occurred 26 – 27 February due to recurrent HSS.

-- MARCH PROPAGATION FORECAST --

Solar activity is expected to be at very low to low levels during March. No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels through 04 March and again 07-19 March.

The Earth's geomagnetic field is expected to be quiet to unsettled through 10 February. Quiet to unsettled conditions are expected 28 February – 11 March. Another recurrent coronal hole HSS is expected to disturb the field 12 – 13 March with unsettled to minor storm conditions. The Solar Flux should range from 75 to 85 during March.

(From NOAA *Weekly Highlights and Forecasts*, 20 February 2007 and NOAA *27-day Space Weather Outlook Table*, 20 February 2007.)

-- 2007 TARC DUES ARE DUE --

March is the last month for TARC members to renew their dues for 2007. This also applies to those who received free membership prior to October 2006.

-- CYCLE 24 STARTS WHEN? --

Just when we think we're at the bottom of Sunspot Cycle 23 and near the beginning of Cycle 24, the scientists pour ice water on our wishes. Based on the ISES Cycle 23 forecast of 13-month running smoothed values, and current interpolation prepared by Australia's IPS Radio and Space Services, it seems the smoothed sunspot numbers (SSN) will range between 10.9 and 12.0 until September 2007 when they will finally begin to climb. The most optimistic forecast shows the SSN climbing a bit above its current level but, once again, no significant increase until September 2007. The possible bright side of this is that the SSN will probably not go down to zero, such that Cycle 24 can prove to be a winner. "Stay tuned!"

-- SWAINS ISLAND DXPEDITION --

Due to the limited time that the first operation from Swains Island, KH8SI was on the air July/August 2006, this entity is in demand by many DXers. An international group of some 17 operators will come on the air from Swains as N8S from 04-15 April. They plan to have six stations on the air simultaneously. In addition, they will operate as ZK3A from Tokelau Is. 16-19 April, and as 5W5AA from Samoa 20-24 April. The total cost of this DXpedition will be about \$155,000 and donations via K3LP are encouraged.

QSL N8S via YT1AD, ZK3A via YZ7NU and 5W5AA via YZ7AA.

(From *QRZ DX* Issue 2007-08 and *The Weekly DX* Vol. 7 No. 08)

CONTESTS & ACTIVITIES

Contest/Special Event	Begin-End Times/Dates	Bands/Modes	QSO With	Exchange
ARRL International DX Contest	0000Z 03 Mar 2400Z 04 Mar	160 – 10 Meters Phone Only	DXCC Entities	R/S/T + State
North American RTTY Sprint	0000Z 11 Mar 0400Z 11 Mar	80 – 20 Meters RTTY Only	Anyone, Anywhere	Calls, Name, State, Serial Number
Spanish PSK31 Contest	1600Z 10 Mar 1600Z 11 Mar	80 – 10 Meters PSK Only	Anyone, Anywhere	R/S/T + Serial Number
Russian DX Contest	1200Z 17 Mar 1200Z 18 Mar	160 – 10 Meters Phone and CW	Anyone, Anywhere	R/S/(T) + Serial Number
10-10 Mobile Contest	0000Z 17 Mar 2359Z 17 Mar	10 Meters Only Any Mode	Anyone, Anywhere	Call, Name, County, (10-10 #)
9KCC (Kuwait) Contest	1200Z 18 Mar 1600Z 18 Mar	15 Meters Only Phone and CW	Anyone, Anywhere	R/S/(T) + Serial Number
BARTG Spring RTTY Contest	0200Z 17 Mar 0200Z 19 Mar	80 – 10 Meters RTTY Only	Anyone, Anywhere	3-digit Serial No. 4-digit Time
CQ Wide World WPX Contest	0000Z 24 Mar 2400Z 25 Mar	160 – 10 Meters Phone Only	Anyone, Anywhere	R/S + Serial Num- ber

From March 2007 issues of *QST* and *WorldRadio*

-- REGIONAL HAMFESTS --

- 10 March Charlotte County Hamfest at Charlotte County Fairgrounds, 2333 El Jobean Road (SR 776), Murdock. TI: 147.255, Info: Don-KG4NKO, 941-625-5861
- 17 March FREE Martin County ARA Hamfest at Martin County Fairgrounds, 2616 SE Dixie Hwy., Stuart. TI: 147.060 (PL 100), Info: Doug-W4DAS, 772- 287-7830
- 31 March Gulf Coast ARC Hamfest, Ridgewood High School, 7650 Orchid Lake Rd., New Port Richey. TI: 146.670, Info: Don-KK4VK, 727-848-8000

(From <http://bellsouthpwp.net/k/kb4vol>, the Web site of Bill Britton-KB4VOL and March *QST*)

-- TARC WEEKLY NETS --

The TARC Simplex Net meets every Tuesday at 7:30 PM on 146.580 MHz; the TARC Net is held every Thursday, except on meeting dates, at 7:30 PM on our 146.805 W4AC Repeater (- 600 Hz offset and 100 Hz PL tone required. These nets provide a good opportunity to blow the dust from your rigs and check up on the activities of your fellow members. So try to set some time aside each week for our nets.

In addition, the Snowbird Net meets daily on 14.278 MHz @ 10 AM, and on 7.230 MHz @ 7 PM. All are welcome to participate.

You don't understand anything until you learn it more than one way. – Marvin Minsky, Scientist

-- HIGH TECH OF THE DAY --



This September 1956 photo is of the state-of-the-art IBM 305 RAMAC computer being loaded on a Pan American Airways cargo plane. This was the first computer with a hard disc drive (HDD). The HDD weighed over one ton and was capable of storing 5 Mb of data.

“He loves nature in spite of what it did to him.” – Forrest Tucker

MINUTES, from page 2

April, and the order placed at that time.

NEW BUSINESS – Konrad announced several items of interest:

- Life Membership for Hal Cole-W4GUY – Bob Avrutik-N1RA commented that Hal had been a long-time TARC member, and had served as treasurer at one time. Hal maintains an interest in the TARC, however, he can no longer get out to our meetings. Bob then moved that Hal be granted Life Membership, seconded by Jim LaCourse-K4IH, and passed.
- Ham Radio Potential at Jacaranda Trace – Stew-W4MO and Don-WD7A reported a very successful visit with the manager of the Jacaranda Trace retirement complex. They were surprised to learn that there was already an amateur radio room, equipped with both HF and VHF equipment, at the facility. As there are no hams now active there, a presentation by the TARC about amateur radio has been scheduled for 20 March 2007 to stir up possible interest.
- Proposed revision to TARC Bylaws – The proposed revisions to the November 2005 Bylaws had been sent out by e-mail prior to tonight's meeting and printed copies were given to those present who lack e-mail. These proposed revisions will be voted upon at the 08 March TARC meeting.

COMMENTS FROM THE FLOOR – Hermann Rieper-VE3IRX questioned the statement in Article III.5.c. of the Bylaws, regarding Life Members having “no further obligation for annual dues or special assessments.” Hermann requested clarification of “assessments” and Jack-W4JS tried to explain that this statement was a carryover from the original TARC Articles of Incorporation. Jon Hamlet-W4ZW commented that in an organization such as TARC there is no danger to the members of being assessed by some external agency, and that he would follow up with clarification.

ADJOURNMENT – A motion to adjourn at 7:47 PM was made by Bernie Holtman-W4GO, seconded by Jon Hamlet-W4ZW, and passed. There were 26 members and one visitors present.

PROGRAM – Stew Haag-W4MO demonstrated the basic use of a Software Defined Radio (SDR) and used a WiFi Internet connection to access the SDR installed at our W4AC repeater site. It was a learning session for all in attendance.

Jack Sproat-W4JS
Secretary

“Opposition, n. In politics the party that prevents the government from running amuck by hamstringing it.” – Ambrose Brice, “The Devil’s Dictionary” 1911

-- 2007 DUES REMINDER --

As per our Bylaws, if you have not paid your dues by 31 March 2007, you will be dropped from the membership roll. Those who received a free membership via an exam session prior to October 2006 will also be dropped if they do not become a dues paying member. Please submit an updated application form along with your payment.

-- NAUGHTY HAM/ASTRONAUT --

Astronaut/Radio Amateur Navy Captain Lisa Nowak-KC5ZTB made the news last month when she drove 900 miles from Houston, Texas to Orlando, FL to attack a woman she considered as competition for the affection of a shuttle pilot. The 43-year-old married mother of three has been charged with attempted murder. The “out of the band” activity and unconventional attire of this Technician licensee prompted some 157 comments on QRZ.com. A few of the most imaginative follow:

“See what happens when Hams don't learn code!!!”

“Once this is thoroughly investigated, I'm sure you'll agree that global warming is to blame.”

“She woulda fit right in at the 'ole hamfest with that trenchcoat /diaper combo.”

-- ELECTRON TUBE DATA SHEETS --

Frank's Electron Tube Data Sheets, on the Internet at <http://datasheets.electron-tube.net/> is by far the most comprehensive tube datasheet and reference material site on the Internet. Usage is simple. Click on a number or letter at the top of the home page and scroll down to the tube you're interested in. For instance, click on “6” and scroll down to “6146” for data sheets on these tubes. For a tube such as a 6AU6, click on the “6AN(501-750)” box and scroll down.

For more information and reference material, click on “More”, or Vademecum in the upper right of the home page. You can find pictures of various tubes, books on using tubes, books on manufacturing and designing tubes, application notes, etc.

(From *QRZ.com*)

--FROM THE ENDURING PAST --

The wireless telegraph is not difficult to understand.

The ordinary telegraph is like a very long cat.

You pull the tail in New York, and it meows in Los Angeles.

The wireless is the same, only without the cat.”

Albert Einstein (courtesy of Bob Preston-N4CTC)

“Freedom arises from a multiplicity of sects, which pervades America, and is the best and only security for religious liberty in America.” – James Madison

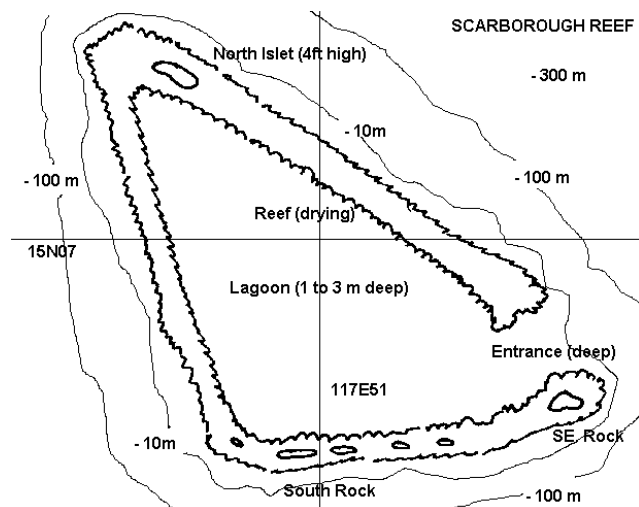
-- THE "BIG ONE" IS COMING!! --

In early February, the international DX community learned that an officially sanctioned operation would take place from Huang Yan Dao, better known as Scarborough Reef, located in the South China Sea.



After three years of effort to obtain permission to land and operate from the most needed entity in the world, that needed authorization has been received. A multi-national team led by W6RGG will operate from Scarborough Reef for ten days in late April 2007. Operators will be from China, Taiwan, the Philippines, Singapore, Germany, Italy, and the USA. BA1HAM and BV4FH were instrumental in bringing this operation to reality with ongoing support being provided by N4XP, N1DG, K5YY and N6MZ.

The shoal forms a triangle shaped chain of reefs and islands 55 kilometers around with an area of 150 square kilometers and 130 km² lagoon within that has a depth of 10-20 meters. Several of the islands are 0.5m to 3m high and many of the reefs are just below water at high tide. Near the mouth of the lagoon are the ruins of an iron tower, 8.3m high.



There have been sovereignty issues, as the Philippines, China, and Taiwan all claim Scarborough but, as of 2007, the area is occupied by the Philippine Navy with international fishing being tolerated in the area. Tourism once bloomed in the area with diving excursions (1998) tolerated by the Philippine Navy.

The Philippines base their claim on its proximity, its being in the Philippines' Exclusive Economic Zone, and the principle of *terra nullius*, which holds that it was previously unclaimed by a sovereign state. The Chinese and Taiwanese bases for claims are that the shoal was first mapped in the Yuan Dynasty as early as 1279 and was historically used by Chinese fishermen.

This entity has been at the top of the Most Wanted List for a very long time, since being added to the DXCC list in January 1996. When BS7H comes on the air, it will be the fourth operation from Scarborough Reef. An operation in late June 1994 made about 2000 QSOs, however, it was not recognized for DXCC. In April 1995, a 4-day operation made less than 12,000 QSOs. The last operation in April/May 1997 made some 13,000 QSOs before it was prematurely shut down after only 74 hours on the air.



1995 Scarborough Reef QSL card

A web site, <http://www.bs7h.com> is up and running, where there's a list of the operators and details on how to contribute to this operation.

(From *QRZ DX*, *The Weekly DX*, *Wikipedia* and BS7H press releases)

-- NEED A TARC MEMBER BADGE? --

For one reason or another, it's been quite awhile since we purchased badges for our members. A tentative list has been made of 23 members who have never received a badge. If you will be an active member during 2007, but have never received a badge, please confirm this with either Treasurer Don Gray-WD7A via resqzj8u@verizon.net or Secretary Jack Sproat via w4js@juno.com. The TARC roster will be finalized after the 31 March deadline for payment of 2007 dues and all missing badges will then be ordered.

**TAMIAMI AMATEUR RADIO CLUB, INC.
MEMBERSHIP APPLICATION**

Name _____ Call Sign _____ Class ____ ARRL (Y/N)____

Local Address _____ City _____ Zip _____

Summer Address _____ City/State _____ Zip _____

Tel. No. _____ E-Mail _____

Please check activity interests: Ass't Net Control __, RFI/TVI __, VE Testing __, Training __, Packet __, RTTY __,
Computers __, DXing __, Contests __, Field Day __, Publicity __, Emergency Communications __, Special Events __,
VHF/UHF __, SSTV __, ATV __, Repeater __, EchoLink __, Other (specify) _____

Single Member @ \$15.00/year __, Family Membership @ \$18.50/year __ (\$8.00 after 30 June for remainder of calendar year. \$15.00 after 31 October grants membership through remainder of year and all of the following year.)

MAIL TO: TARC, 1419 E. MANASOTA BEACH RD, ENGLEWOOD, FL 34223-6341

**TAMIAMI AMATEUR RADIO CLUB, INC.
1419 E. MANASOTA BEACH ROAD
ENGLEWOOD, FL 34223-6341**

The Communicator is a monthly publication
Of the Tamiami Amateur Radio Club, Inc.
Editor: Jack Sproat – W4JS
Circulation: Don Gray – WD7A

2007 TARC Officers

President: Konrad Owens – WA3RRS
V. President: Matt Klapp – W2EQV
Secretary: Jack Sproat – W4JS
Treasurer: Don Gray – WD7A
Directors: Croft Taylor – VE3CT
Jon Hamlet – W4ZW
Bob Avrutik – N1RA
Stew Haag – W4MO

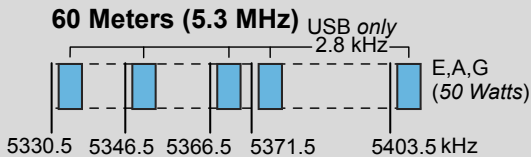
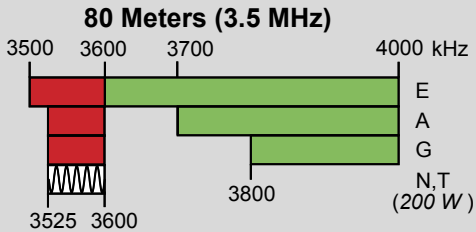
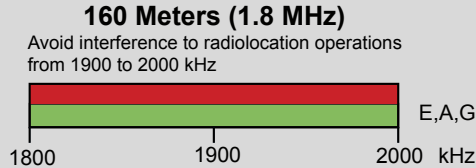
US Amateur Radio Bands

US AMATEUR POWER LIMITS

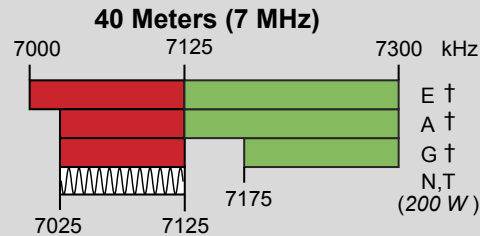
At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Except where noted, the maximum power output is **1500 Watts**.

Effective Date
February 23, 2007

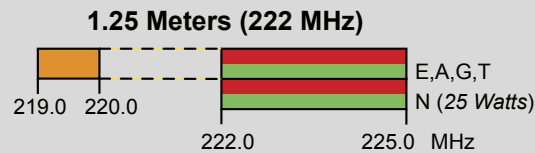
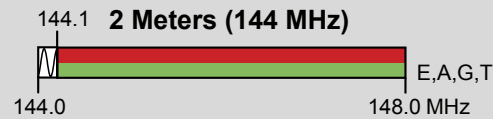
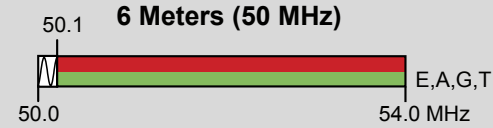
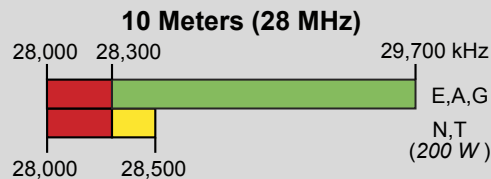
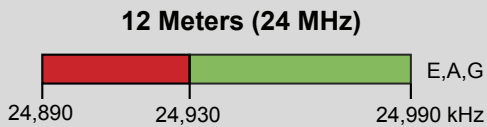
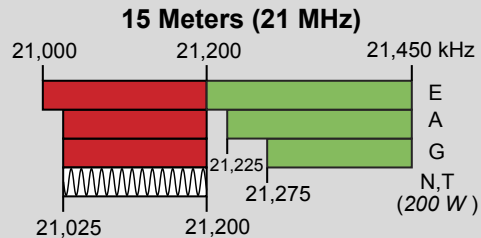
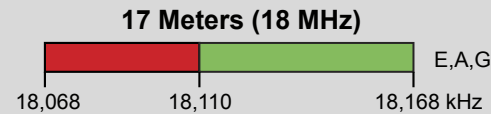
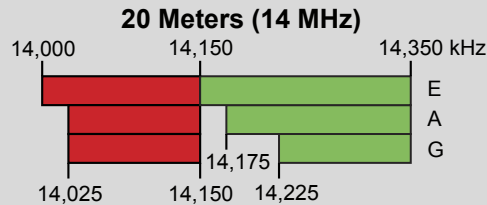
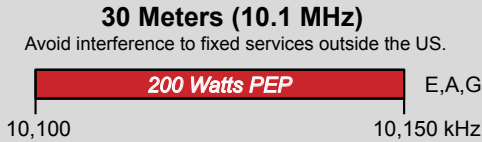
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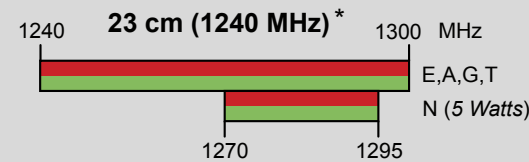
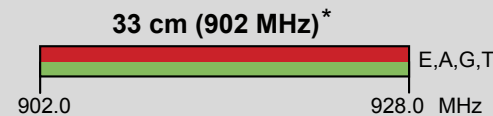
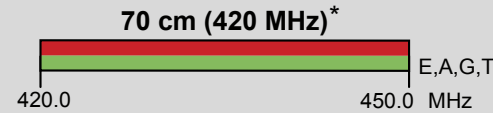
General, Advanced, and Amateur Extra licensees may use the following five channels on a secondary basis with a maximum effective radiated power of 50 W PEP relative to a half wave dipole. Only upper sideband suppressed carrier voice transmissions may be used. The frequencies are 5330.5, 5346.5, 5366.5, 5371.5 and 5403.5 kHz. The occupied bandwidth is limited to 2.8 kHz centered on 5332, 5348, 5368, 5373, and 5405 kHz respectively.



† Phone and Image modes are permitted between 7075 and 7100 kHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or South of 20 degrees North latitude. See Sections 97.305(c) and 97.307(f)(11). Novice and Technician licensees outside ITU Region 2 may use CW only between 7025 and 7075 kHz. See Section 97.301(e). These exemptions do not apply to stations in the continental US.



* Geographical and power restrictions may apply to all bands above 420 MHz. See *The ARRL Operating Manual* for information about your area.



All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz	10.0-10.5 GHz	122.25-123.0 GHz
2390-2450 MHz	24.0-24.25 GHz	134-141 GHz
3300-3500 MHz	47.0-47.2 GHz	241-250 GHz
5650-5925 MHz	76.0-81.0 GHz	All above 275 GHz

KEY

Note:

CW operation is permitted throughout all amateur bands except 60 meters. MCW is authorized above 50.1 MHz, except for 219-220 MHz. Test transmissions are authorized above 51 MHz, except for 219-220 MHz.

- = RTTY and data
- = phone and image
- = CW only
- = SSB phone
- = USB phone only
- = Fixed digital message forwarding systems only

- E** = Amateur Extra
- A** = Advanced
- G** = General
- T** = Technician
- N** = Novice

See *ARRLWeb* at www.arrl.org for more detailed band plans.

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