

June 2018  
Vol. 43, #6

Washington Amateur Communications Inc.



A 501-C3 Tax Exempt Organization



# THE WACOM HAM



**GET READY FOR FIELD DAY!**

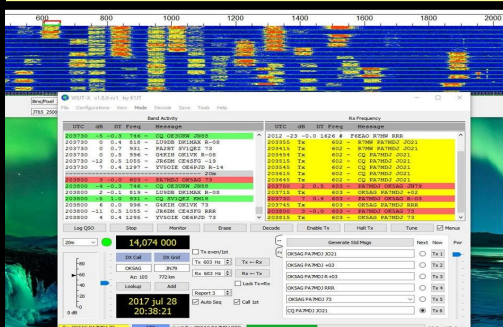
**North Strabane Municipal Park**

**23-24 June 2018**

**INSIDE THIS ISSUE:**

- WACOM President's Message—2**
- WACOM General Information —3**
- Regular Meeting Minutes—4**
- Upcoming Events—5**
- WACOM DX Corner—6-7**
- DX Feature of the Month—Market Reef—8-9**

- WACOM Field Day Invitation —10**
- ARRL News: FT8 Dominates Modes—11**
- ARRL News: Baker Island DXpedition —12**
- 2018 WACOM Hamfest Flyer —13**
- WACOM 2018 Renewal Form - 14**



**FT8 Dominates Most Other Modes!**  
p-11

**DX Feature of the Month**  
**Market Reef pp. 8-9**

**Baker Island DXpedition**  
P. 12



*WACOM*  
*President's Message*  
*June 2018*



Joe—N3XE

## President's Message, June 2018

June means it's time once again for Field Day. This will be our third consecutive year at the North Strabane municipal park. As always, this event is about testing field gear, making a bunch of contacts, and having some fun. Hopefully we can produce a nice even mix of those three activities.

My personal goal for this year is to do a better job making sure that our new and less experienced hams get some on-air experience. Whether they are setting up their own station, or just trying out HF for the first time we should make the extra effort to help them get on the air with an effective signal and rack up some points.

Anyone is more than welcome to setup at our Field Day site. As in years past we will try to coordinate stations so that we can minimize the interference and maximize the fun.

Whether you are going to setup equipment, operate a station, or just come and socialize, I hope to see you on Field Day weekend.

73,

## WACOM OFFICERS, BOARD OF DIRECTORS, STAFF, REPEATERS, AND NETS!

Washington Amateur Communications is a non-profit organization that is dedicated to advancing the principles of Amateur Radio while making it fun for all who participate. We have been affiliated with the ARRL for over 25 years. Our club call sign is WA3COM. Because of our activity in promoting Amateur Radio, including conducting classes, public demonstrations, emergency preparedness and training, studying technical advancements in radio and mentoring of new and soon-to-be hams, WACOM has earned the designation of Special Service Club from the ARRL.

### Membership

- WACOM membership is open to anyone
- Annual Dues:
  - \$20 for individuals
  - \$10 for each additional family member
 (send check & completed form to club treasurer)
- Questions? Contact the WACOM club treasurer.

### Membership Meeting

- 7:30PM (1930 hrs), First Thursday of every month

### Board of Directors Meeting

- 7PM (1900 hrs), Last Thursday of every month

### Mailing Address

WACOM  
c/o Norma Plants N3YJY  
236 Chambers Ridge Road  
West Alexander, Pa 15376-2270

### E-Mail

General Club Correspondence: [wa3com@gmail.com](mailto:wa3com@gmail.com)

### 2017 Club Officers

Joe Caldwell, N3XE; [joe@n3xe.com](mailto:joe@n3xe.com)  
Vice President: Patrick Degnan Jr., KB3TFN; [pdegnan@gmail.com](mailto:pdegnan@gmail.com)  
Secretary: Randy Kief, KC3EKZ; [randykief@comcast.net](mailto:randykief@comcast.net)  
Treasurer: Kathleen Briggs, KC3HBO; [johnw104@comcast.net](mailto:johnw104@comcast.net)

### 2017 Board of Directors

Director: Bob Fischer, KC3AJM; [kc3ajm@outlook.com](mailto:kc3ajm@outlook.com)  
Director: Dennis Presky, K3PSP; [dpresky@mra1.com](mailto:dpresky@mra1.com)  
Director: Rob Balogh, KB3ZUS; [robertbalogh@gmail.com](mailto:robertbalogh@gmail.com)

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Ken Frankenbery, AA3GM; [ktfrank3@gmail.com](mailto:ktfrank3@gmail.com)

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### VE Liaison

Bob Kinnear, KI4DHB; [ki4dhb@yahoo.com](mailto:ki4dhb@yahoo.com)

### Radio Room Committee

Patrick Degnan Jr., KB3TFN; [pdegnan@gmail.com](mailto:pdegnan@gmail.com)

### EMCOMM Training Officer

Brad McCarrell, KC3EDQ; [brad\\_ml@verizon.net](mailto:brad_ml@verizon.net)

### Repeaters

**K3PSP** - 146.790+ MHz, EchoLink node - WA3COM-R  
147.285+ MHz (Scenery Hill, PA)  
145.250 - MHz (West Alexander)  
147.390+ MHz (Smith Township)  
147.315+ MHz (Greene County)

**W3CYO** - 145.490 MHz, 224.4 MHz, 443.300 MH z

### Digital Net

- Mondays at 8PM (2000 hrs), on K3PSP Repeater
- Bob, KC3AJM Net Control

### 2 Meter Public Service Net

- Tuesdays at 8:30 PM (2030 hrs), on K3PSP Repeater

### 10 Meter Net

- Tuesdays at 9:30 PM (2130 hrs), on 28.340 MHz
- Bud, N3TIR Net Control

### YL Net

- Wednesdays at 7:30 PM (1930 hrs), on K3PSP Repeater
- Karen, K3PUP Net Control

### Elmer Net

- Wednesdays at 8 PM (2000 hrs), on K3PSP Repeater
- Bud N3TIR, Net Control

### Club Elmers

**DX Contest** - Bill Sheehan, KB3LIX; [kb3lix@comcast.net](mailto:kb3lix@comcast.net)  
**QSL & DX** - Bill Steffey, NY9H; [ny9h@arrl.net](mailto:ny9h@arrl.net)  
**ARES & RACES** - Bob Ketzell, KB3IN; [kb3in@yahoo.com](mailto:kb3in@yahoo.com)  
**CW** - Loren McCullough, WA3WZR; [lorenmcc@verizon.net](mailto:lorenmcc@verizon.net)  
**VHF** - Craig Yoho, KB3RHR; [craigyoho@consolenergy.com](mailto:craigyoho@consolenergy.com)  
**Repeaters** - Dennis Presky, K3PSP; [dpresky@mra1.com](mailto:dpresky@mra1.com)  
**Websites** - Joe Caldwell, N3XE; [n3xe.radio@gmail.com](mailto:n3xe.radio@gmail.com)  
**Elmer Net** - Bud Plants, N3TIR; [n3tir@arrl.net](mailto:n3tir@arrl.net)







## WACOM General Meeting Minutes

3 May 2018, 7:30 PM



### General Meeting 5/3/18

- Membership & visitor introductions performed
- Meeting minutes & treasury report approved – KB3TFN/KC3AJM
- **Radio room** – KB3TFN – Monday's have resumed. after tech class.
- **ACS** – KCTOM – Red cross event on the 14th of April went well. Allegheny county was the only station that had issues. Canoe race went well – KC3EDQ – cross band and local repeater worked well.
- Yahoo group is moving to groups I/O
- WACOM drawing for an Icom IC-7300. Ticket sales will be on-line soon with a Paypal service. Amazon smile account on-line still going.
- Joe - N3XE - show & tell antenna coil
- **Tech Class** – 4 techs & 3 generals after testing.
- **Club ID cards** – photo ID's are being made by Brad – KC3EDQ – Brad will also be performing renewals of the region 13 badges.
- Field Day time is approaching again – North Strabane park location – looking for ideas for any additions to last year.
- Dayton – no club table this year.
- Breezeshooters – club will have tables.
- Fire department lease is paid for this year, however they will not be renewing the lease for 2019. All radio room equipment will need to be moved. New county building is supposed to be complete in November. - KC3AJM
- W3R – NY9H discussed interest.
- Adjourn – 8:03pm – KC3AJM/W3CYO

Randy Kief  
KC3EKZ

*Next Regular WACOM Meeting - Thursday, 7 June 18 at 7:30 PM!*

# **2018 WACOM Upcoming Events Calendar**

## **Meetings, Contests & Other Significant Club Events (Subject to Change)**

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**2-3 Jun 18—Breezeshooter's Hamfest, <http://breezeshooters.org>**

**Thu, 7 Jun 2018, WACOM Meeting at 7:30PM, Washington County Building**

**9-11 Jun 18—ARRL June VHF Contest, <http://www.arrl.org>**

**23-24 Jun 18—ARRL Field Day; North Strabane Park**

**Thu, 5 Jul 2018, WACOM Meeting at 7:30PM, Washington County Building**

**14-15 July 18, IARU HF Championship Contest**

**21-22 Jul 18—CQ World Wide VHF Contest (6 & 2m), <http://www.cqww-vhf.com>**

**Thu, 2 Aug 2018, WACOM Meeting at 7:30PM, Washington County Building**

**13-14 Oct 18—**Pennsylvania QSO Party**, <http://www.nittany-arc.net/pqppdf/paqso17rules.pdf>**

**4 Nov 18—**WACOM Hamfest!** Printscape Arena at Southpointe**

# WACOM HAM DX CORNER—JUNE 2018

COURTESY: <http://www.ng3k.com/Misc/adxo.html>

Political Map of the World, September 2008

2018 Jun01	2018 Jun09	Sao Tome & Principe	S9ZZ	EB7DX	<a href="#">DXW.Net</a> 20180323	By EB7DX fm Sao Tome I (IOTA AF-023); 40-6m; mainly SSB RTTY FT8, some CW; 100w; holiday style operation
2018 Jun04	2018 Jun06	Monaco	3A	LotW	<a href="#">TDDX</a> 20180604	By SM7RYR as 3A/SM7RYR; 20m; CW; try 08-09Z and 16-17z; 10w; ground mount-
2018 Jun02	2018 Jun06	Aland Is	<a href="#">OG0C</a>	LotW	<a href="#">TDDX</a> 20180508	By Old House Radio Club ops fm Kokar I; 80-2m; CW SSB FT8; QRV for European
2018 Jun05	2018 Jun24	Rwanda	<a href="#">9X2AW</a>	LotW	<a href="#">TDDX</a> 20180503	By DF2WO fm Kigali; HF + 6m; CW SSB FT8 RTTY; QSL also OK via M0OXO
2018 Jun06	2018 Jun16	Bermuda	VP9	LotW	<a href="#">DXNews</a> 20180424	By WA4PGM as VP9/WA4PGM fm IOTA NA-005; 160-6m; mainly CW; QRV for ARRL VHF Contest; QSL also OK via WA4PGM direct
2018 Jun07	2018 Jun11	Costa Rica	TE6DX	LotW	<a href="#">DXNews</a> 20180412	By TI2CDA TI2CC N3KS fm Unita I (IOTA NA-155); 160-6m; CW SSB FT8 RTTY +
2018 Jun07	2018 Jun17	French Polynesia	FO	HB9XBG	<a href="#">TDDX</a> 20180410	By HB9XBG as FO/HB9XBG fm Bor Bora I
2018 Jun07	2018 Jun18	Marshall Is	V73	LotW	<a href="#">TDDX</a> 20180414	By KW4WZ as V73/KW4WZ fm Kwajalein; JT65 FT8, some SSB; 100w; spare time op- eration; begin/end dates uncertain
2018 Jun08	2018 Jun10	American Samoa	KH8	LotW	WJ2O 20180422	By WJ2O as KH8/WJ2O; 40-15m; CW; QSL
2018 Jun08	2018 Jun11	Bonaire	PJ4V		<a href="#">TDDX</a> 20180601	By N0JK W0LD; @PJ4G; focus on 6 2m, some HF; CW SSB FT8; 100w; yagis; QRV for ARRL June VHF Contest
2018 Jun09	2018 Jun16	Market Reef	OJ0W	OH3WS	<a href="#">TDDX</a> 20180323	By OH3WS; 40-6m; CW SSB; 100w; spare time operation; QSL OK via Buro or direct
2018 Jun11	2018 Jun13	Samoa	5W	LotW	WJ2O 20180422	By WJ2O as TBD; 40-15m; CW; QSL also
2018 Jun12	2018 Jun22	Dodeca- nese	SV5	LotW	<a href="#">TDDX</a> 20180529	By OK2QQ as SV5/OK2QQ; 40-2m; CW SSB FM; QSL also OK via OK2QQ direct and eQSL
2018 Jun13	2018 Jun25	Turks & Caicos	VP5	W9DR Direct	W9DR 20171107	By W9DR as VP5/W9DR fm FL41aw; 6m (50.115 MHz); CW SSB; 1kw; 5 ele yagi; salt water launch to EU + NA
2018 Jun13	2018 Jun17	American Samoa	KH8	LotW	WJ2O 20180422	By WJ2O as KH8/WJ2O; 40-15m; CW; QSL

# WACOM HAM DX CORNER—JUNE 2018

COURTESY: <http://www.ng3k.com/Misc/adxo.html>

2018 Jun14	2018 Jun18	<b>Vietnam</b>	<a href="#">3W9NH</a>	LotW	<a href="#">DXW.Net</a> 20180605	By JA0JHQ fm Hoi An (OK45ev); HF, perhaps 6m; CW FT8; QRV for All Asian DX CW Contest; QSL also OK via JA0JHQ di-
2018 Jun14	2018 Jun28	<b>Grenada</b>	<b>J3</b>	G4DFI	<a href="#">TDDX</a> 20180102	By G0JVG as J3/G0JVG; HF, incl 60m; mainly SSB; 300w on HF, 200w on 6m; vertical, 3 ele 6m yagi; QSL OK via Buro or direct
2018 Jun18	2018 Jun24	<b>Cayman Is</b>	<b>ZF2LT</b>	K8HTC	<a href="#">DXNews</a> 20180527	By K8HTC fm Grand Cayman I (IOTA NA-016); HF
2018 Jun21	2018 Jun27	<b>Solomon Is</b>	<a href="#">H44XG</a>	LotW	<a href="#">DXNews</a> 20180416	By JA1XGI fm Honiara, Guadalcanal (IOTA OC-047); 40-10m; mainly CW, some FT8; spare time operation; QSL also OK via
2018 Jun22	2018 Jun27	<b>Palau</b>	<b>T88YL</b>	JR1FKR	<a href="#">TDDX</a> 20180529	By JJ1BDT fm Koror; 40 17 15m; SSB; QSL OK via Buro or direct
2018 Jun22	2018 Jul20	<b>St Kitts &amp; Nevis</b>	<a href="#">V47JA</a>	LotW	<a href="#">W5JON</a> 20170201	By W5JON fm Calypso Bay, St Kitts; 160-6m, incl 60m; SSB; yagi on 6m, verticals, dipole; V47JA/b, 50.053 MHz beacon, mountain top (1100 feet ASL); QRV for IARU Contest (SOAB SSB); QSL also OK
2018 Jun24	2018 Jun30	<b>Taiwan</b>	<b>BW</b>	LotW	<a href="#">DXNews</a> 20180212	By DF8DX as BW/DF8DX; HF; mainly CW; QSL also OK via DF8DX
2018 Jun27	2018 Jun29	<b>Market Reef</b>	<b>OJ0Y</b>	M0SDV	<a href="#">DXW.Net</a> 20180121	By MM0NDX G4PVM DL8JJ fm IOTA EU-053; HF; possibly short activity on Jun 26 (evening)
2018 Jun27	2018 Jul07	<b>Baker &amp; Howland Is</b>	<a href="#">KH1</a>	LotW	<a href="#">DXW.Net</a> 20170825	By N1DG N4XP K6TD VA7DX + team as KH1/KH7Z; 160-6m; CW SSB + digital; QSL also OK via Club Log (preferred) and K4TSJ direct (w/ SASE or \$2 or 2 Euros); dates tentative
2018 Jun28	2018 Jul03	<b>Bermuda</b>	<b>VP9</b>	LotW	<a href="#">TDDX</a> 20180531	By KB3KYH as KB3KYH/VP9 fm Warwick Parish; 20m; SSB; 90 watts; dipole; spare time operation; QSL also OK via
2018 Jun29	2018 Jul02	<b>Micronesia</b>	<b>V6J</b>	JP3AYQ	<a href="#">DXNews</a> 20180504	By JA team fm IOTA OC-253; HF



# WACOM DX Feature of the Month—Market Reef

## OJ0Y - 27-29 June 2018

**Märket Reef** is a small 3.3-hectare (8.2-acre) uninhabited skerry in the Baltic Sea between Sweden and Finland (in the area of the autonomous Åland Islands), with a lighthouse as its salient manmade feature. Märket has been divided between the two sovereignties since the Treaty of Fredrikshamn of 1809 defined the border between Sweden and the Russian Empire as going through the middle of the island. The Finnish side of the island is part of the Municipality of Hammarland and is the westernmost land point of Finland. The Swedish part of the island is itself divided by two counties of Sweden: Uppsala County (Östhammar Municipality) and Stockholm County (Norrtälje Municipality).

### Geography and History

The 6-nautical-mile-wide (6.9 mi) *Understen–Märket Passage* links the Bothnian Sea to the Baltic proper. The skerry is roughly 1,150 ft long by 490 ft wide, and its area is about 8.2 acres. It is the smallest sea island shared by two countries.

The name *Märket* ('the Mark') probably comes from its usefulness as a navigation mark before there were lighthouses. The route between Sweden and Åland has a passage of about 17 miles length over open sea. Before the lighthouse, the island and its shallows were dangerous navigational hazards, which seafarers tried to desperately avoid. In 1873, as many as 23 ships were grounded on the Swedish coast and its archipelago trying to avoid Märket, and eight of them were shipwrecked. Märket is detached from the main Åland archipelago, with the closest island more than 10 km away, and the closest harbor, Berghamn, 23 km away in Eckerö. There is no deep harbor; the island can be only reached with boats. There are small, barely surfacing rocks northwest of Märket, called Märketshällor ("stones of Märket"), which are too small to sustain vegetation.

The island consists of mostly smooth diabase rock, with a maximum natural elevation of two meters. Most of the area is regularly washed over with seawater in storms, and scoured by drift ice in winter. Plant life, which is limited to low-growing grasses and herbs, persists only in some protected spots. 23 plant species have been identified altogether. The halophilic grass *Puccinellia capillaris* and the herbaceous *Sagina nodosa* (knotted pearlwort) are found scat-

tered throughout the island. Among rarer species, *Spergularia marina* (salt sandspur) grows on Märket. *Salix caprea* (goat willow) grows on an abandoned building.

There are large grey seal communities around Märket, and Märket has been a target for seal safaris



Märket Island with the national border and the county border

### International border and lighthouse

There is a lighthouse on the Finnish side of the current border, which has been unmanned and automated since 1979. When it was built by the Russians and Finns in 1885, the island was considered a no man's land, so it was simply built on the highest point on the island. However, this meant it was built on the Swedish part of the island.

As a result, the border was adjusted in 1985 so that the lighthouse is now located on Finnish territory.<sup>[8]</sup> The adjustment was carried out such that no net transfer of territory occurred, and the ownership of the coastline was unchanged so as not to interfere with each country's fishing rights.

This resulted in an unusual shape for the international border which satisfied both Finnish and Swedish interests. The adjusted border takes the form of an inverted 'S', and the lighthouse is connected to the rest of Finland only by a short stretch of land. The border is regularly resurveyed every 25 years by officials representing both countries. The last such joint inspection took place in August 2006.





## WACOM DX Feature of the Month—Market Reef (Con't)

### OJ0Y - 27-29 June 2018

The border is marked by holes drilled to the rock, because the seasonal drift ice would shear off any protruding markers. Due to the Nordic Passport Union and the Schengen Agreement, there have been no passport checks or other border formalities at the border since 1958, so intra-Nordic/intra-Schengen visitors may visit the island freely. Both sides are officially monolingually Swedish-speaking, the Finnish side as a part of Åland.

The lighthouse is in urgent need of maintenance, and a Finnish interest group is trying to raise funds for its preservation. The lighthouse has been automatic since 1979 and the surrounding buildings are no longer used. The increasing general availability of GPS has made its primary function redundant.

#### Radio amateurs activity

Radio amateurs around the world consider the Finnish part of Märket Reef (as they call it) a separate entity, distinct from Finland and Sweden. The Finnish part of Märket Reef used to be one of the world's most desired "countries" among radio amateurs due to its special status and relative remoteness. Usually there are one or more Amateur Radio expeditions to the island every year, weather permitting. During these expeditions tens of thousands of radio contacts are made with people in several parts of the world. At high seas, landing is only possible with a helicopter. Good pictures of Märket are shown on QSL cards. The official prefix for use on the Finnish side is OH0, as in the rest of the Åland Islands, but OJ0 is the optional call sign prefix for Märket Reef. There is a fee for using an OJ0 call sign, while the use of the OH0/ prefix in front of the own call sign is free. All radio activity on the island is by visitors on DX-peditions. When the Finnish part of the reef was given its special status in amateur radio, in the late 1960s the lighthouse keeper himself became a licensed Amateur Radio operator who initially used the



call OH0MA. On the Swedish side of Märket Reef the callsigns 8S9M and SI8MI have been used.

#### Climate

Märket has a continental climate affected by oceanic influences; it has a reputation for being one of the windiest places in Finland. A meteorological station has been managed by the lighthouse keepers since 1896 and an automatic station of the Finnish Meteorological Institute was inaugurated on November 10, 1977, shortly before its automation.

The effect of the sea is very important to the climate of the island: thermal inertia dramatically reduces the temperature fluctuations during the year compared to the continent and to a lesser extent compared to the central part of Fasta Åland, the largest island of the archipelago of Åland. Märket holds five records for daytime temperatures for weather stations in Finland, all in the period between November 29 and January 1, with 50.4°F on December 15, 2006 and 47.8 °F on December 31, 1975. The average yearly temperature is roughly 43 °F and is one of the highest in Finland, with the month of January being milder than on the continent (27.5°F on average), and a warm summer (60.6°F on average in July). The island is drier than the mainland: the average annual rainfall does not usually surpass 22 in.

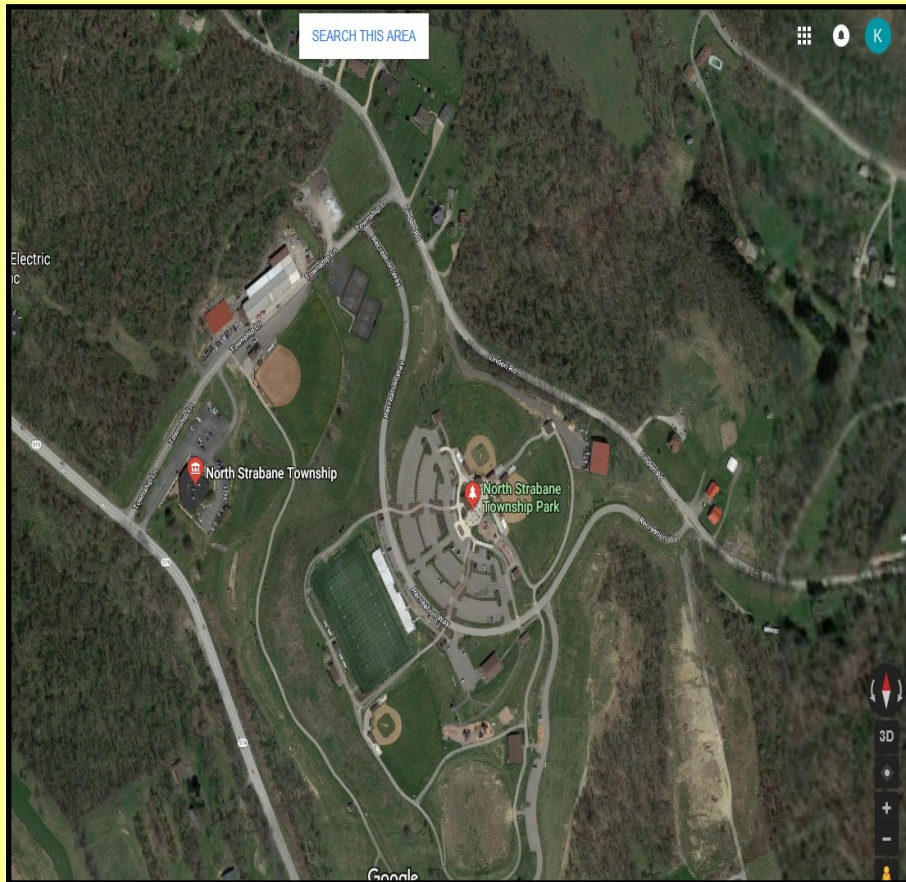
SOURCE: WIKIPEDIA

# Get Ready for Field Day!

WACOM Site, North Strabane Municipal Park

Site Set-up Saturday Morning

Operation 2PM, 23 June to 2PM 24 June 2018



North Strabane Municipal Park





## FT8 Activity Bumping Up at Some Expense to Other Modes

05/17/2018

Despite largely dismal HF conditions, there is no doubt that the recent FT8 digital protocol has made hams more enthusiastic about getting on the air. The mode has caught on so quickly that co-developer Joe Taylor expressed surprise last fall at the rapid uptake of FT8 for making contacts on HF bands. Judging by Logbook of The World (LoTW) data, more than 2.3 million FT8 contacts were uploaded in 1 month — a net gain of 1.2 million contacts on all modes over the same month last year, ARRL Radiosport Manager Norm Fusaro, W3IZ, said. Over the same period, activity in some of the other modes has declined.

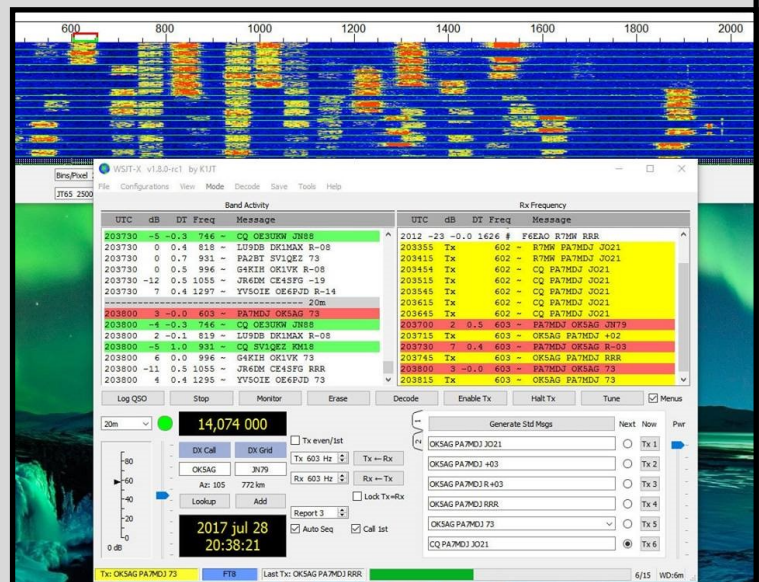
“Year-to-date DXCC applications are up by 11% over the same period last year,” Fusaro said. “So far, we have processed 898 Worked All States (WAS) applications — a 72% increase over the same period last year. Of those applications 347 — or 39% — were FT8 endorsements. Application for VUCC are also up by 33% over 2017.”

Fusaro said that while some feel that FT8 is “taking over the world,” subsuming all other modes, that’s not the case. “Activity in the traditional modes of SSB and CW has decreased only slightly, by 10%,” he said. “The *real* decrease is in RTTY and PSK activity and in the other *WSJT-X* modes. I believe poor propagation would have cut into SSB and CW activity, regardless of the new mode.” Anecdotal reports support Fusaro’s hard numbers, with wall-to-wall signals surrounding the FT8 watering holes.

Late last year, Denny Berg, WB9MSM, achieved his goal of completing DXCC using FT8. It took him just 4 months.

“I can tell all of you that this mode is spreading like wildfire throughout all the HF bands,” Berg told *The Daily DX* at the time. He said he was able to work all states on FT8 in about 6 weeks of operating.

Taylor has characterized SSB and CW as “general-purpose modes” that are good for ragchewing, DXing, contesting, disaster communication, and other purposes. On the other hand, he has said, FT8 and the other protocols in the *WSJT-X* suite are “special-purpose modes,” designed for making reliable, error-free contacts using signals that may be too weak to work using more traditional modes — and sometimes even too far down in the noise even to hear.







## *Baker Island KH1/KH7Z DXpedition Team Bracing for “Grim” Propagation*

06/05/2018

The 2018 KH1/KH7Z **Baker Island DXpedition**, set to get under way on June 27 and continue until July 7, is preparing for less-than-ideal conditions. The sponsoring Dateline DX Association (DDXA) said this week that its 15 operators are planning to maximize the times they will be available to work into propagation-challenged regions of the world. Their effort will include round-the-clock operation on 20 meters. DDXA has permission from the Pacific Islands Refuges & Monuments Office of the US Fish and Wildlife Service to pursue an Amateur Radio expedition to Baker Island National Wildlife Refuge (KH1).

“The 2018 DXpedition to Baker Island occurs during the declining side of the solar cycle where propagation is usually much, much worse, nearing the bottom,” a Baker Island DXpedition news release pointed out this week. “In addition, there are limited hours of darkness in some Northern Hemisphere locations.”

The DXpedition has **embedded tools on its website** that DXers can use to run propagation forecasts specific to grid square and “station properties.”

“We have also run these forecasts by geographic area to know when we should be listening for you,” the DXpedition organizers said this week. “The forecasts are grim.” The DXpedition said operators “don’t expect to hear any signals” at noontime on Baker Island, and will use those occasions to take a meal break.

“Our network of worldwide pilots will also report how well we are being heard in your area to keep us abreast of propagation,” the news release add-



ed. Operation is planned on SSB, CW, RTTY, and FT8.

The DXpedition’s permit restricts antennas to 43-foot verticals. “We will be using SteppIR [verticals] and special-design antennas to take advantage of the saltwater ground,” the release said. KH1/KH7Z also will use FT8 to find openings that may not be all that obvious and to serve as a beacon. “When we find an opening, we will put as many radios/modes/ops on as we can,” the organizers pledged. The DXpedition will use the latest version of **WSJT-X** software to incorporate the FT8 “DXpedition Mode,” and the DXpedition has been working with developers for the past several months to smooth out the wrinkles in that operating protocol.

The team has also published its **planned operating frequencies**. The KH1/KH7Z DXpedition will field seven operating positions.

Baker/Howland Islands (KH1) is the fifth most-wanted DXCC entity, and the DXpedition will focus on providing “all-time

## NEW UPDATED LOCATION

Largest Indoor Hamfest in TRI-STATE AREA 19,000 Sq. Ft. under one roof

# WACOM 2018 HAMFEST

Washington Amateur Communications Inc.

SUNDAY, NOVEMBER 4th 2018

The Printscape Arena at Southpointe

114 Southpointe Blvd

Canonsburg, PA 15317

Exit 48 off Interstate 79

8:00 A.M –3:00 P.M—Admission \$5.00

Doors open early for **VENDOR SETUP** Saturday Nov 3rd 6:30 p.m.

Talk in on 146.790 City-147.285 East-147.390 North-145.250 West -147.315 South- All PI-131.8

MAJOR VENDORS

Largest Indoor Hamfest in TRI-STATE AREA 19,000 Sq. Ft .all under one roof

KJI ELECTRONICS- -QUICKSILVER RADIO

### MAIN PRIZES

**1<sup>ST</sup>** Icom IC-7300 HF + 6m Multi Mode Transceiver

**2<sup>nd</sup>** YAESU FTM-3200DR 65w 145MHz C4FM/FM 2/ FM mobile

**3<sup>rd</sup>** YAESU FTM-3200DR 65w 145MHz C4FM/FM 2/FM mobile

**4<sup>th</sup>** YAESU FTM-3200DR 65w 145MHz C4FM/FM 2/FM mobile

**BLACK BOX PRIZE'S ONLY 50 TICKETS Sold**

MAIN DRAWING AT 1:30 P.M. NEED NOT BE PRESENT TO WIN

CONTACT FOR HAMFEST TABLES **N3TIR** [bud@n3tir.com](mailto:bud@n3tir.com) 724-350-6745

Vendor Forms located at [www.wacomarc.org](http://www.wacomarc.org) under Hamfest tab

We will sell out ALL TABLE SPACE PLEASE CALL EARLY

*6Ft TABLES SUPPLIED, cost \$12.00 ea. - Discount reserve more than (5) \$10.00ea.*

*ADMISSION not INCLUDED ON TABLES rentals*

*VE TESTING TIME 9:00AM*

*BREAKFAST AND LUNCH WILL BE AVAILABLE*

*DOOR PRIZES--YL PRIZE--DX CARD CHECKER*

*THE MEADOWS CASINO & Tanger Outlets less than 2 miles Now Hotel next door*

*Send all vendor payments to address below for tables*

Please include vendor form and make checks payable to

WACOM c/o Norma Plants N3YJJ

236 Chambers Ridge Road West Alexander, Pa 15376

# Washington Amateur Communications

## 2018

### Member Information & Dues Renewal Form

(Please Print)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Business Phone: \_\_\_\_\_

Other Phone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Amateur Callsign: \_\_\_\_\_ License Class: \_\_\_\_\_

ARRL Member:      Y      N

Spouse Name: \_\_\_\_\_

Spouse Callsign: \_\_\_\_\_ Spouse License Class: \_\_\_\_\_

In case of emergency, for what bands do you have equipment? \_\_\_\_\_

\_\_\_\_\_

What are your favorite amateur activities? \_\_\_\_\_

\_\_\_\_\_

What activities would you like to see WACOM sponsor? \_\_\_\_\_

\_\_\_\_\_

Please return completed form and dues to:

WACOM c/o Kathleen Briggs

1024 Arch St

Washington, PA 15301

E-Mail: [johnw104@comcast.net](mailto:johnw104@comcast.net)

**Dues: Individual \$20 per year, Additional Family Members \$10 each**