SOUTHEASTERN DX CLUB

Bulletin

DX CODE OF CONDUCT

January 2024

Founded In 1958

Our Next Meeting & Speaker

Date & Time: January 18, 2023
Location: Zoom meeting, 7:00 – 9:00 PM
Speaker: Dick Hattaway
Topic: Club Log

From the Prez *(de John Tramontanis, N4TOL)*

Happy New Year to all!!

The CQ DX Marathon was certainly a nice way to tie the ribbons on 2023. We had an amazing turnout of club participation which will likely produce a fine score. Credit and many thanks go to Andy Goss, AA5JF, for his work in coordinating our members to participate and submit their logs.

Personally, the Marathon was an impetus for me to be more active in making DX contacts during the year. This resulted in some (actually many) band fills that I may have missed if I was not looking for Marathon points. The Marathon also provided a good measure of how my overall station was performing as well as my ability to utilize my station and the peripheral tools at my disposal.

I strongly encourage you to give the Marathon a try in 2024 at any level you are comfortable with. You can play to win, play for fun, or just see how much DX you actually work in a year just through casual operation. Although, once you start in the chase, you can get hooked and casual operation grows to a more serious (fun) effort.

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As we all know, as SEDXC members, we are vulnerable to that DX bug.

And speaking In terms of utilizing tools at our disposal to work DX, one which I use often, as I'm sure many of you do as well, is Club Log. The featured speaker for this month's club meeting will be club member Dick Hattaway, W4PID, who will present on the features of this wonderful, if not essential tool for all DXers..

2024 looks to be another fine year for DXing with continued favorable propagation and interesting DXpeditions on the horizon. Our Zoom meetings are a wonderful way to acquire knowledge and share information amongst the membership collectively to take advantage of these conditions to improve our DX standing.

I look forward to seeing you all at the January Zoom meeting, on Thursday, January 18th at 7:00 PM.

Here is the link for joining the Zoom event:

https://www.sedxc.org/sedxc/zoom/index.htm

73 John N4TOL

Happy Holidays to all!!

DX Elmers

A Service of the Southeastern DX Club

sedxc.org/sedxc/DXElmers

January

Program: A Club Log update for SEDXC

Presented by:
Dick Hattaway W4PID

Dick Hattaway W4PID

Dick Hattaway lives in Salisbury NC. He earned his Novice class ham license at age of 13 with the call KN4PKV. By age 21 he had his Extra ticket. His call now is W4PID, which was the call of his mentor, the late Roy Hill. He has been licensed for over 62 years.

Dick is a graduate of the University of Tennessee and is a Professional Engineer. He spent most of his work career in North Carolina designing automation and machine control systems.

His ham activities have included interest in VHF/UHF frequencies, using moon bounce, meteor scatter, and other weak signal modes. His main interests in retirement are chasing DX on the HF bands and employing microprocessor devices in his station. In addition to ham radio, Dick's hobbies include sailing and fishing.

His Club Log Help Desk involvement began in late 2019 and he became a member of SEDXC within the last two years. According to Dick, "The presentation is built a bit on the talk that Michael G7VJR did for IDXC last year... but directed more toward the home user. There are an awful lot of cool tricks on Club Log that are fun to use. I think more folks should take advantage of them".

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VP's Corner

(de Nathan Wood, K4NHW)

A Few Word From Our Vice President

WE ARE BAAACK! That's right. Happy New Year! The holidays are behind us, and we are back at having meetings with presentations. I have some great presentations already lined up for 2024 (that just sounds weird to even type). More on that later. Again, if you have any ideas about topics that you'd like to hear more about, let me know and I'll shake the presentation tree and see what falls!

I WANT TO HEAR FROM YOU! Yes… you! What new projects are on your bench? What are your DX goals for 2024? What would you like to learn more about? Email me your responses to naththan.wood23@gmail.com. Let me know what is on your DX agenda and I'll share mine in the February VP column. Don't leave me hanging….

There are quite a few DXpeditions coming up in January. Some have been activated recently but a few haven't been on for a bit. If you are looking for band fills, this will be a great chance to dial those in.

January Presentation

January 18, 2024 will be our first club meeting since October. We will have Dick Hattaway, W4PID, present to us on the topic of Club Log. But wait? Didn't we just have a presentation from him on Club Log just a year or two ago? Yes we did. But any of you reached out to me and wanted more on this topic. I reached back out to Dick to see if we could twist his arm one more time. He agreed to bring another presentation entitled "Club Log – Tips and Tricks". Be sure to bring your questions and comments to the meeting in January and be prepared to learn something new about the powerful tool of Club Log.

73 Nathan

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Treasurer's Journal *(de Jeff Cantor, K1ZN)*

Greetings, Fellow DXers!

TREASURER's Report – January 2024

Checkbook Balance as of Jan 04, 2024: $13,526.65

Disbursements – Month of December:

- Holiday Party ticket sales - $1230;
- Restaurant cost - $1247;
- SEDXC contribution - $17.

Funding Requests:

A DXPedition Funding request has been received from LA7GIA, Ken for an activation of Yemen, under the call sign of 7O8AD, which has already begun.

- 7O is # 44 Globally Most Wanted & #49 North America – East Coast Most Wanted
- This will be a two person DXPedition – LA7GIA, Ken & HA5DDX, Shani
- This is a 14 Day Event
- All Modes
- Antennae – Verticals next to Saltwater
- SEDXC Member Needs based on a Club Leagues sample of 28/94:
  - ATNO=10 (36%)
  - Has ½ Bands – 4;
  - Rest of sample will benefit with band fills
- The EC is recommending an **award of $300**.

Next, LZ1GC, Stan has submitted a funding request to support a DXPedition to FW (Wallis & Futuna) Island. Their timeframe is 19 February thru March 09 (20 days). Call signs for this operation are FW8GC & TX8GC (for Lifou Island – see below). The IOTA number for this FW entity is OC-054.

- FW is DXCC Most Wanted #91 Globally & #115 North America – East Coast
- This will be a two person DXPedition – Stan, LZ1GC & Ted, LZ5QZ

- This is a 20 day event
- As citizens of the EU, no landing permit is needed
- All bands & modes
- Two stations with QRO
- Multiple antennae
- Will also activate FK – Lifou Island, New Caledonia (OC-032) as a bonus on way home
- SEDXC Member Needs based on a Club Leagues sample of 24/95:
  - ATNO =5 (21%)
  - Has ½ Bands =4
  - Rest of sample will benefit with band fills
  - The EC is recommending **an award of $300.**

As we begin 2024, I need to highlight a few things:

1. I have now filed the state of GA non-profit status annual report. While in the process of filing the federal 501c3 2023 IRS form, I discovered that we were assigned into the wrong organizational category due to my checking the incorrect box on the application. Therefore, this year we must file a "long form – Form 990-PF, and I will need to hire a CPA to complete this form. And we will have this person file the IRS form to correctly classify SEDXC for future filings. Therefore I am advising the Club membership that I will be moving forward to accomplish these tasks. More bucks to pay out for this effort, but in the long run it will pay for SEDXC to have the 501c3 to attract donations to our mission.

2 I have now served a decade as your Treasurer, and it has been an honor to do so. This past June I agreed to stay in office one additional year with the proviso that a new person come forward to "understudy" the SEDXC bookkeeping process and DXPedition funding application vetting process, etc., so as to make for a seamless transition to a new officer. I call for a volunteer to come forward and begin that understudy.

3 Likewise, our WebMaster has asked for a volunteer to begin that understudy. Please, SEDXC members, we ask for the next generation of officers to step forward.

73s & GUD DX,

Jeff / K1ZN, Treasurer

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Around The Shack *(de Hal Kennedy N4GG)*

January 2023 de N4GG

Around the Shack

Coaxial-Line Baluns, Ununs, and Transformers

(Look Ma, No Ferrites)

In the *Around the Shack* column of December, 2019, I wrote about keeping a station notebook. Last month I wrote about the human interface and "ease of use." My station notebook is a 3-ring binder. The contents are on paper. It's valuable to flip through the notebook pages in a way I can't do looking at a directory of files.

I was paging through my station notebook recently when I came across a magazine article I'd clipped and saved 43 years ago! It's a two-part article published in *Ham Radio* magazine in February and March, 1980. It's an important article – I have referred back to it many times.

Perhaps a word about *Ham Radio* magazine is in order. If you have not encountered it, it was a technically-oriented magazine begun and edited by Jim Fisk W1HR (sk) from 1968 to 1990. Sadly, Jim died at age 46, in April, 1980, shortly after the article I'm describing this month was published. Others continued the magazine after Jim's untimely death. *Ham Radio* ceased publication and was bought by CQ magazine in 1990. [Note: I received word this month (December, 2023) that CQ is no longer being published – at least for the foreseeable future]. Figure 1 shows the front page of *Ham Radio* magazine from February, 1980.

A nearly complete archive of *Ham Radio* issues is available here:

https://www.worldradiohistory.com/Ham_Radio.htm

The eulogies for Jim Fisk are in the June, 1980 issue of *Ham Radio:*

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https://www.worldradiohistory.com/Archive-DX/Ham%20Radio/80s/Ham-Radio-198006.pdf

Ham Radio was an important publication. How important? It has its own Wikipedia entry. Technically-minded hams are, today, writing articles about technical gems that appeared in its pages over 40 years ago. *Ham Radio* was and is a treasure-trove of technical information.

I encourage you to randomly select one or two issues from the archive and enjoy flipping the pages. For me, the ads from the 1960s through the late 1980s elicit fond memories. If you weren't around then, the ads will still be interesting; we have come a long way. The articles were superb. The writing was crisp. The contents remain applicable.

This month's *Around the Shack* summarizes the article *A new Class of Coaxial-line transformers* by George Badger, W6TC (sk). It was published in two parts in *Ham Radio* magazine, February and March, 1980.

Part 1 can be found here:

https://www.worldradiohistory.com/Archive-DX/Ham%20Radio/80s/Ham-Radio-198002.pdf

Part 2 can be found here:

https://www.worldradiohistory.com/Archive-DX/Ham%20Radio/80s/Ham-Radio-198003.pdf

The author, George Badger, was a prolific contributor to amateur radio as well as commercial communications companies. Like L.B. Cebik, who I wrote about a few months back, George received an obituary in QST. These are rare – reserved for those who have made significant contributions to the hobby.

Let's get to the article. Part one describes the pros and cons of ferrite-based RF devices. These include baluns, ununs and matching transformers. Matching transformers receive extensive treatment including theory, practical design considerations and measured data.

Antenna matching has been an important subject since the dawn of radio. It's importance has grown over time, driven by the advent of solid-state finals and EFHW (end-fed half-wave) antennas.

Part two gives instructions for making HF and VHF baluns, ununs and transformers, using only coax. The devices are easy to make and perform better than ferrite-based devices. Extensive

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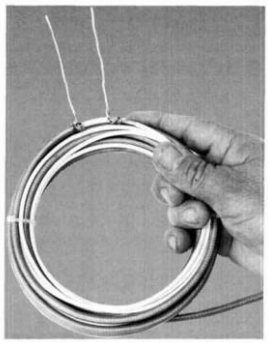
test data is included. You can head straight to part two if you want to skip the theory and begin making devices. Figure 2 shows a typical high-power high-performance balun made using only coax and a piece of hookup wire.



What follows is a summary of the article's key points.

Ferrite cores have their pros and cons. Here are some:

Ferrite Core Baluns, Ununs and Transformers – Pros

- They can be wide-band. One device can cover 1.8 to 30 MHz.

- They can be wound to provide large impedance transformations that are hard to get any other way. EFHW antennas are now available using 49:1 and even 81:1 ferrite-based transformers.

- They are compact for low power applications.

- Performance is good, including low loss, up until certain boundary conditions are exceeded.

Ferrite Core Baluns, Ununs and Transformers – Cons

- Ferrites saturate. When they do they become highly non-linear. Radio and amplifier designers go to great lengths to achieve linearity – only to have that nice clean signal distorted by a balun operating near saturation.

- Ferrite-based devices are sensitive to winding details. They are prone to arcing and breakdown.

- Ferrites are easily destroyed. They are susceptible to excess power, SWR, duty cycle, arcing and voltage breakdown. The damage is permanent. Care to climb the tower to replace one?

- Ferrites can be expensive, particularly those for use at high power.

- Availability can be an issue if home-brewing. You probably don't have the core(s) you need in your junk box.

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- Ferrites are heavy. Ferrite baluns add unwelcome weight at the feedpoint of dipoles.

- Ferrites sometimes need to be characterized and that's always a problem. UFOs (unidentified ferrite objects) are commonplace (see below).

- Baluns sold to the amateur community rarely, if ever, come with proper specifications.

A word about UFOs. When I changed QTH last year I reduced my cache of junk-box parts. Out went several pounds of UFOs. Ferrites come in a variety of shapes, sizes and mixes and they are never marked. It's possible, in theory, to wind a few turns of wire around a ferrite core and with test equipment, math and catalogs identify what you have. In my experience this seldom works.

The ARRL's prolific writer Ward Silver, N0AX, and I chatted once about co-authoring a QST article: "How to Identify UFOs." The title was catchy! After some experimenting we abandoned the idea. We could not devise a way the average ham could accomplish the task.

If you use ferrites a lot you will either store them carefully with labels or throw a lot of them away over time. Surplus houses sometimes sell ferrite cores – unmarked of course. At best, those tend to be a waste of money given the UFO effect. Worse is when you convince yourself your UFO will work for your project, to find out later it doesn't.

Here is my summary of the article's two parts:

Part 1. *Ham Radio*, February, 1980 (7 pages)

- A discussion of the disadvantages of using ferrite as a core material and the advantages of using only coax for the task.

- A discussion of how baluns work.

- Design concepts for coreless baluns and transformers.

- A discussion (with confirming measurements) of how to add a compensating wire to existing ferrite baluns to improve performance.

Part 2. *Ham Radio*, March, 1980 (11 pages)

Properties of coreless balun transformers:

- They are inexpensive – it's just coax and hook-up wire.
- They are linear including at high power and SWR.
- They use readily available materials: coax, wire and connectors if desired.
- They are lightweight and compact.

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- They introduce very little SWR and negligible loss.
- They are inherently balanced.
- Their power handling capability is only limited by the coax used to make them. They are virtually indestructible in amateur service.
- Unlike ferrite baluns, there are no closely spaced or tightly twisted wires that can arc or break down.

Part two includes detailed instructions for building the following baluns, ununs and transformers:

Input/Output Impedance			Bandwidth
Ohms	Ratio	Type	MHz
50/12.5	4:1	Balanced/balanced	1.8-30
50/200	1:4	Balanced/balanced	3.5-30
50/200	1:4	Balanced/balanced	1.8-14
50/50	1:1	Unbalanced/balanced	3.5-30
50/50	1:1	Unbalanced/balanced	1.8-14
50/50	1:1	Unbalanced/balanced	21-100
50/12.5	4:1	Unbalanced/balanced	3.5-30
50/200	1:4	Unbalanced/balanced	3.5-30
50/12.5	4:1	Unbalanced/unbalanced	7-30
50/50	1:1	Unbalanced/unbalanced	3.5-30

Additional notes

The article does not mention avoiding the use of foam-dielectric coax. RG-8/X, RG-213 and other foam dielectric coax only began appearing around the time the article was written. Every design described in the article uses coax wound into a tight coil, some with a diameter as small as two inches. Under strain, the center conductor in foam coax will migrate toward the shield and may eventually short. Heating accelerates this process.

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The maximum power handling capability of a ferrite-free device is only limited by the coax itself. Many designs use two or more short lengths of coax in parallel - in those cases each piece of coax carries half the power. At 1,500 watts, each of two parallel pieces of "plain-old RG-58/U" will carry 750 watts; RG-58/U can do that. For higher power, Teflon-dielectric coax is a good choice. Light-weight Teflon coax can handle full amateur power with ease. Examples include RG-141/U, RG-142B/U and Belden B3242-100.

Let's wrap this up with a discussion of specifications and margin.

Regarding margin, the margin you need with a ferrite balun you don't need with a coreless balun. *Ferrite-based devices saturate at some mix of applied power, SWR and duty cycle.* Coax-only baluns are impervious to operating conditions until the coax itself fails.

Just as high power antenna tuners lack proper specifications (*Around the Shack,* November, 2023) so do commercially available ferrite baluns, ununs and transformers. The critical specification that usually goes unmentioned is SWR. The higher the SWR, the less power a ferrite-based device can handle.

DXEngineering makes high-quality, high-power (5 KW) baluns. It is one of the few companies that addresses SWR. From DXEngineering's literature: "The SO-239 connector limits power handling to 5 KW or less at low SWR and reduced power at elevated SWR." A thorough treatment of balun capability (or lack thereof) over diverse operating conditions is beyond the scope of this article. My advice is the same as with antenna tuners; 1) read what specifications there are carefully, 2) read the reviews, 3) buy all the margin you can afford because you will likely need it, and 4) consider building one yourself without using ferrite!

Done reading? Here's your homework assignment: *Print out* the *Ham Radio* article (you know, on paper) and place it your station notebook. Use the article to make (not buy!) your next balun, unun or matching transformer using only coax – no ferrites. You will save money and enjoy the satisfaction that comes from a DIY project that works. You will also avoid a trip up the tower to replace a store-bought ferrite balun the next time you send 1,500 watts up the coax on the wrong band!

73,

Hal N4GG

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DX Marathon 2023 Recap, Andy AA5JF

The 2023 iteration of the DX Marathon is now history – and what history the Southeastern DX Club made. Our club's raw score, before log checking, is 13,611 points. That's from 69 total entries. Doing the math, that's a crazy impressive 197.3 average points per entry. Wow. What fine DXers we have in the SEDXC.

According to preliminary results, we are the TOP US CLUB, third world-wide. We still need to survive log-checking, but as we have a 1,100 point lead over the Northern Illinois DX Association, I think we are likely in very good shape. Take a look at the raw scores here: https://dxmarathon.com/results/2023/.

My stretch-goal was that we'd top 50 entries – and we very much surpassed expectations. With 69 entries, we more than doubled the number of entrants from last year. Thank you all for taking the effort to not only chase DX (which you'd do anyway), but for also taking the trouble to submit your score formally.

In the interim, I think we can at least begin to get used to the idea that the Southeastern DX Club is the top DX club in the country. Take that Chicago (and Northern Illinois). And it's not like this is some obscure DX competition – there were 1,773 entries total this year, a 50% increase from last year.

As we soak this all in, take a look at some of the individual results. Jeff K1ZN has a raw score of 327, tied for 3rd world-wide (and the top score for North America). Based upon reports I've seen in the last day or so, it appears the very top possible score for 2023 (based upon DX entities that were active) was 332, so anyway you look at this, very impressive. The competition at the top is very, very close, and the scores of the top finishers are scrutinized extensively—I know Jeff was very careful in submitting his entry, and think he is in good shape. I'll be very curious to see how the top five shakes out. And I also want to give a shout-out to Mike K4PI, who at 322 is currently in the top-ten finishers for North America.

This is a fine achievement for the club and its members – especially considering this is only the second year the Southeastern DX Club has been participating in the DX Marathon. This is a great foundation to build upon, especially as we think of spreading the joy and fun of DXing to a new generation of amateur radio operators in the Southeast.

And of course, with the start of 2024, a new round of competing begins. I've seen from listserv entries that many of you are already well past working 100 DX entities. The base rules for 2024 are unchanged, but thankfully there is some additional clarity around antennas restrictions for the four basic entry categories (Unlimited, Limited, Formula and QRP). There are also some changes to the club entry rules, which unfortunately will force some difficult decisions upon us, as we must decide upon a club circle with a radius of 250 miles. I encourage all of you, whether you participated this year or not, to enjoy the fun and challenge of the DX Marathon.

73 Andy AA5JF

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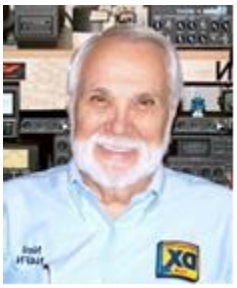


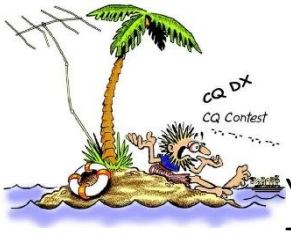
January Humor

De Neil Foster – N4FN

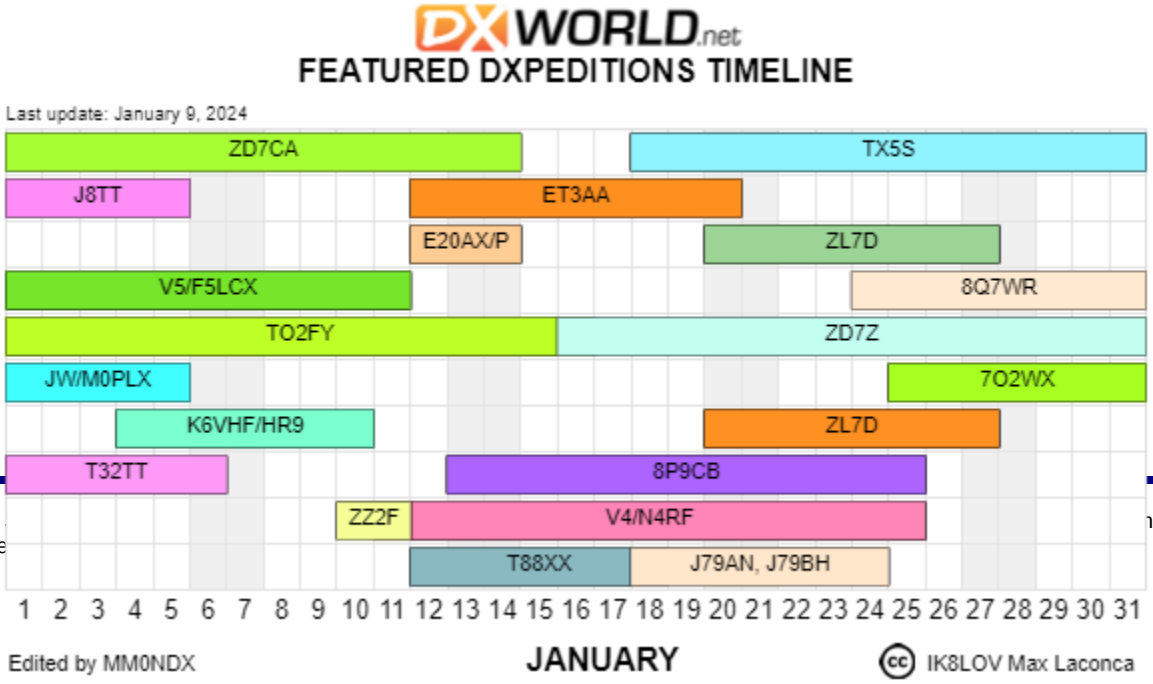
25 Years Ago… *(de Van Herridge, N4VGE, Bulletin Editor)*

Greetings from the Editor. This month's meeting is noteworthy not only for new members but old members as well. I hope to see you there. Don't forget to check SEDXC's website to get the latest club information, www.sedxc.org .

See link below for the SEDXC Bulletin from 25 years ago.
sedxc.org/sedxc/bulletins/sedxc0199.pdf



The *DX World* Calendar/Timeline for January
You can "control and left click" on the image below to go directly to the Timeline.



The *DX World* Calendar fea-

tures a timeline of all DXpeditions anticipated for the current month and is a great way to plan your chase for the next, All-Time New One (ATNO). The Calendar is updated regularly; use this link to see the latest version: https://www.dx-world.net/

SEDXC Officers & Positions

John Tramontanis, N4TOL – President – iam4rb@gmail.com
Nathan Wood, K4NHW – Vice President -- nathan.wood23@gmail.com
Joel Levine, WA4HNL – Secretary -- jlevine@bellsouth.net
Jeff Cantor, K1ZN – Treasurer -- jacantor9@gmail.com
Verne Fowler, W8BLA – Activities Manager -- w8bla@arrl.net

SEDXC Appointed Positions

Chaz Cone, W4GKF – Webmaster – w4gkf@chazcone.com
Van Herridge, N4VGE – *SEDXC Bulletin* Editor – vanherridge@gmail.com

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Fill out the form completely and send it to: Treasurer.SEDXC@Gmail.com

<table>
<tr><td>Entity Name / Call Sign</td><td>Yemen / 7o8ad</td></tr>
<tr><td>Date of Applicantion</td><td>24 Oct</td></tr>
<tr><td>Approx. Date and duration of Dxpedition</td><td>Nov 3rd, 14 days</td></tr>
<tr><td>Web page</td><td>N/A</td></tr>
<tr><td>Team leader / number of members:</td><td>Ken LA7GIA / 2</td></tr>
<tr><td>List name & call of each team member</td><td>Ken LA7GIA
Shani HA5DDX</td></tr>
<tr><td>List DXPeditions that each team member above took part in</td><td>Ken la7gia 3yøj, tl8, tl7, tt8, 3c, 6o +++
Ha5ddx portable + contest operator SSB only</td></tr>
<tr><td>QSL manager / QSL route</td><td>M0oxo</td></tr>
<tr><td>Funding amount requested – please attach budget & show team’s contribution</td><td>$500
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<tr><td>Position on most wanted list – both global & North America – East Coast</td><td>Global: 44

NA-EC:</td></tr>
<tr><td>Landing permit/operating permission approved (attach copy).</td><td>Yes</td></tr>
</table>

Fill out the form completely and send it to: Treasurer.SEDXC@Gmail.com

Entity Name / Call Sign	FW (Wallis and Futuna) – FW8GC & TX8GC DXpedition 2024 Both call signs will be on the Air from Wallis and Futuna. IOTA OC-054
Date of Applicantion	03 December 2023
Approx. Date and duration of Dxpedition	From 19 February – 09 March 2024 (20 days)
Web page	Will be soon. At the moment the WEB page is in reconstruction: WWW.C21GC.COM and FW8GC & TX8GC in QRZ.COM
Team leader / number of members:	Organizer & Team leader – Stan, LZ1GC
List name & call of each team member	1.Stan, LZ1GC - operator CW,SSB, RTTY,FT8,FT4 2.Ted, LZ5QZ - operator CW,SSB,RTTY,FT8,FT4
List DXPeditions that each team member above took part in	**1.** 1. **Stan, LZ1GC** **Previous DX activities & Peditions by Stan, LZ1GC: E6AM – Niue (2023), A35GC - Kingdom of Tonga (2022), T30GC - Western Kiribati (2019), 5W0GC - Samoa (2018), YJ0GC - Vanuatu (2018), H40GC - Temotu Province (2016 & 2017), H44GC - Solomon Islands (2016), T2GC - Tuvalu Isl. in 2015, C21GC - Nauru Isl. in 2014, 3D2GC - Fiji Republic in 2011, 2012 and 2013, 3D2GC/P - Rotuma Isl. (2013), SV8/LZ1GC - Samothraki Isl., Greece IOTA EU - 174/ 2012 /, LZ1GC/1 - Sveta Anastasiya Isl., IOTA EU -**

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	181 (2010). **2. Ted,LZ5QZ – this is his first DXpedition.**
QSL manager / QSL route	FW8GC and TX8GC – QSL via OQRS on Clublog, LoTW, also QSL via LZ1GC QRZ.COM or to LZ1GC via LZ QSL Bureau.
Funding amount requested – please attach budget & show team's contribution	**1. Budget of FW8GC & TX8GC DXpedition:** **1.Flight tickets for 2 persons: 6520 USD** **2.Accommodation 2280 USD** **3.Coaxial cable,wires & all necessary materials for the antennas & equipment,incl. 4 Fiberglass poles 1400 USD** **4.Transport (Taxi) in VK, FK and FW 350 USD** **5.Payment for the WEB SITE 220 USD** **6.Over baggage (excess baggage) 1360 USD** **7.Others (Internet card+device,food) 800 USD** **Total: 12930 USD** **!!! All thus amount is from both team members for now!**
Send Funds to:	**PayPal address: lz1gc@abv.bg**
Position on most wanted list – both global & North America – East Coast	**Global: # 91 in Most Wanted DXCC list on Clublog** **NA-EC: # 93**
Landing permit/operating permission approved (attach copy).	1. See Attached files with FW8GC and TX8GC licenses 2. Not need landing permission – We are citizen of European Union!
Overview of antennas & equipment to be taken on DXPedition	1. FW8GC & TX8GC Equipment (set up): **Transceivers:** Yaesu FT DX 10 - 1 piece Kenwood TS 480 SAT - 2 pieces

	ARGO ONE - 1 piece **Linear Amplifiers:** ACOM 1200S & ACOM 700S **Antenna tuner:** ACOM 04AT **Computers:** Lenovo - 3 pieces **Antennas:** **1. Exp.GP (prism) antenna from 40 - 10 m + WARC - 2 pieces** **2.DX Commander (from 40 – 10 m) – 1 piece** **3.Vertical on 160/80/40 / 60 m – 1 piece** **4.Verticals and VDA – mono banders on different bands.**
Last time(s) this entity was activated	In November 2023 as FW2CW and FW5N with about 10 000 QSOs.
Typical interval between activations	3 months
Method of transportation to DXPedition site	By few flights:1.Sofia (LZ) – Heathrow (England) – Sydney(VK) 2. Sydney (VK2) – Noumea, New Caledonia (FK) 3. Noumea(FK) – Wallis and Futuna (FW).
Your team's objective / strategy including social objective	**Our strategy is to be QRV on all bands – from 160 – 6 m, including WARC and 60 m bands.Our goal is minimum 40 000 QSOs on different bands and modes (CW, SSB, RTTY, FT8, FT4).**
Callsign/Age of youngest Team member	Ted, LZ5QZ - 41 years age.
SEDXC member initiating request	
SEDXC member(s) participating, if any	No any member in the team
SEDXC logo on QSL card & web page?	YES !!!
Additional comments: Important info: **After end of FW8GC & TX8GC DXpedition 2024, we will QRV as FK/LZ1GC and FK/LZ5QZ from IOTA OC - 032 from Lifou Island, New Caledonia, between 10 and 19 March 2024.** **The activity from Lifou Island, IOTA OC-032 will be on all bands (160 – 10) and all modes: CW,SSB, RTTY,FT8,FT4.**	

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We hope, that SEDXC will support FW8GC & TX8GC DXpedition 2024.

1. **All Members of SEDXC, which have contacts with FW8GC and TX8GC will receive LoTW confirmation till a month after end of this DXpedition.**
2. **All Members of SEDXC, which worked FW8GC and TX8GC will receive also Paper QSLs without request!**
3. **We will write an article for E6AM activity and we will send this article to SEDXC till 3 months after end of the expedition..**

Internal Use

Date published in the newsletter	
Review/analysis of SEDXC Club Leagues member sample (N=)	ATNO: Band Fills:
Results of member review at the meeting: (approved / disapproved) Recommendation $_____	 Recommended $_____
Funds disbursed on date:	
Funds disbursed by:	

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