SOUTHEASTERN DX CLUB

Bulletin

DX CODE OF CONDUCT

August 2022

Founded In 1958

Our Next Meeting & Speaker

Date & Time: Thursday, August 18, 2022 @ 7:00 PM
Location: Via Zoom
Topic: ***Golden Anniversary of the Northern California DX Foundation***
Glenn Johnson, W0GJ (NCDXF Secretary)

The mission of NCDXF is to provide necessary support for well-organized DXpeditions to desirable DXCC entities. Founded over 50 years ago, NCDXF has supported over 500 DXpeditions, large and small. For large "mega" DXpeditions, NCDXF is often the "anchor" sponsor as it is for Bouvet 3Y0J.

We are honored to have NCDXF's Secretary, Glenn Johnson, as our speaker this month. Glenn is a seasoned DXpeditioner; check out his QRZ page here, and you will quickly see what we mean! He's been to some great QTHs, and has braved some weather, seasickness and even a previous trip to Bouvet (back in 2018) to prove it!

Join us on August 18th. Not only will it be worthwhile, I will bet you wish this meeting could go longer!

From the Prez *(de Chuck Catledge, AE4CW)*

Fellow DXers; Welcome to the SEDXC August Bulletin!

As the TV news personalities are wont to say, "Breaking News!!". So, here's the real story! The **SEDXC DX Elmers**, is a service of the Southeastern DX Club we are preparing to launch by the end of August. This service is similar to the DX Pros and Helping Hands of prior years. Three highly qualified DXers have volunteered to join the team: Hal Kennedy N4GG, Mike Greenway K4PI and Mac McDonald NN4K. Their services are available to SEDXC members and to other hams who are interested in learning about DX including rigs, antennas, operating techniques or any other aspects

of DXing. If you are interested in joining the team, please drop me an email at AE4CW.Chuck@gmail.com. More information to follow soon.

The CQ DX Marathon, our club's main activity for 2022 is picking up steam! Quick reminder: the goal is to work as many countries as you can in calendar year 2022. We are encouraging every member to join in the fun. No QSLs are required, just your log of your contacts. And, everything you've already worked since January 1, 2022 counts! Click **HERE** for a link to the SEDXC Member Awards web page to learn how you can join your SEDXC friends running in the CQ DX Marathon!

We don't have up-to-date Marathon numbers, but our 83 SEDXC ClubLog participants are a good cross section of Marathon participants. As of August 9th:

67 members – Worked 50 or more countries
40 Members – Worked 100 or more countries
29 Members – Worked 125 or more countries
14 Members – Worked 150 or more countries
9 Members – Worked 175 or more countries
3 Members – Worked 200 or more countries

Special congratulations to our leaders and good DXing to all:

Jeff K1ZN with **244**, **Ed KD5M** with **223** and **Andy AA5JF** with **220**.

Contact Andy AA5JF or see the site above for Marathon information.

And, did you know you have direct access to the SEDXC ClubLog league table? Click **HERE** to view and analyze our members' DX achievements stored in ClubLog.

You can also click the SEDXC website's **DX Standings** button on the blue sidebar.

If you've not tried this, DO IT NOW! You will like what you see. Special thanks to Jeff K1ZN and Chaz W4GKF for making this information easily available.

As the summer heat continues and the radio flux and sun spots wain, it's tempting to think Cycle 25 may have tricked us, promising more than it can deliver. And I suppose that might be true. But before we give up, consider these current facts:

- It took Cycle 24 thirty-eight months to go from its bottom in Dec. 2008 to a smoothed radio flux of 125 in January 2012, 38 months later.
- Cycle 25 went from its bottom in Dec. 2019 to the current smoothed flux of 125 in just 28 months, **26% quicker than Cycle 24**.

- The increase in Sun Spots between Cycles 24 and 25 is following an almost identical pattern as the current radio flux increase, i.e. about **25% faster**.
- The current radio flux and sun spot increases in performance are approximately **22 months ahead** of the official NOAA predictions.
- Keep looking ahead to see if the flux and sunspots recover from their current pause and continue to climb well above the NOAA predictions.
- To see more details, look here: https://www.swpc.noaa.gov/products/solar-cycle-progression

Perhaps old Sol will play a trick on us and in Peanuts style, Lucy will snatch Charlie Browns wonderful Cycle 25 away. But I'm pulling for the good guys and looking for a near block buster performance.

Oh, and don't forget; the **Huntsville Hamfest** is just around the corner on **August 20 and 21**. Quite a few folks from the Atlanta area are going, yours truly included. Hope to see you there!

For more information, visit the website https://hamfest.org.

73 es gud DX,

Chuck, AE4CW

VP's Corner *(de Clark Macaulay, WU4B)*

Bouvet Island

Fall is almost here, and with that, comes antenna work, DXing, and getting ready for 3Y0J (January). And one of the reasons we can get ready for 3Y0J, arguably the most expensive DXpedition ever, is because of the jaw-dropping $100K contribution by Northern California DX Foundation (NCDXF).

NCDXF has been around for a long time—50 years. For some of us (like me), they've been making contributions for more years than I've been DXing (16 years). Who are these guys? Where do they get their money? How do they choose who gets a contribution?

We are privileged to have Glenn W0GJ, current Secretary of NCDXF, be our speaker in August to tell us about the Golden Anniversary celebration of NCDXF. He was first licensed at age 15 and achieved WAS in 3 months with a homemade crystal-

controlled rig. He is a veteran DXer and contester who has several first-place world scores and holds several records in international competition. He holds #1 Honor Roll, 5BDXCC, and 5BWAZ awards as well.

Glenn has led three major DXpeditions to the four Top Ten Most Wanted areas: Kingdom of Bhutan (2000), Lakshadweep (2007), Desecheo (2009), and Navassa (2015), all of which were awarded DXpedition of the year. He was also a team member for HK0NA Malpelo and K5P Palmyra.

Glenn has recently retired from his orthopedic surgeon practice from which he taught orthopedic surgery in third world countries. His humanitarian work extended to teaching the first group of hams in Bhutan and establishing club stations throughout the country. For his work, he received the prestigious 2004 ARRL Humanitarian of the year Award.

For insight into Glenn's many accomplishments, checkout his information on his QRZ page (https://www.qrz.com/db/W0GJ) or his NCDXF bio: https://ncdxf.org/officers/w0gj.html.

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

Greetings, Fellow DXers! Disbursements to report for last month:

Purpose	Amount
Donation to Wellstar Foundation (In Memory of Bev Lamboley)	75.00
TOTAL:	***$75.00***

Our Account Balance is $15,030.71, as of August 5th.

Attached to this month's *SEDXC Bulletin*, you will find the **2022-2023 Program Year Budget** for your approval, as well as a Funding Request for ZL7/K5WE for your review. We will discuss at the August meeting; the SEDXC Leadership requests your approval for a grant of $300.

Please take note of our new "SEDXC Store" & "DX Standings" buttons on our website main page.

Gud DX & 73,

Jeff, *K1ZN*

A New Look for Worked All Zones *(de Bob Sarnecki, NF7D)*

Recently, I had the chance to swap e-mails with *CQ Magazine's* José Alberto Castillo, N4BAA (see photo, left), the new CQ WAZ Manager. It's been a pleasure – José is "another well-seasoned ham", who has seen quite a few DXpeditions and has all of the DX awards you can name. Take a look at José's well-appointed station here. It's enough to given anyone "station envy"!

As the new CQ WAZ Manager, José is responsible for review and approving applications for Worked All Zones (WAZ), but he's already created a new version of the old certificate for those of us who like something more than paper on the walls. I was fortunate enough to be able to order one of the new plaques (there are two versions: check out the WAZ Award Video for a "tour" of both the wood and glass versions), which is well-designed and crafted. It's a proud addition to any shack!

You can reach José at jose-castillo@verizon.net, or N4BAA@arrl.net.

73,

Bob, NF7D

Around the Shack *(de Hal Kennedy, N4GG)*

Hints & Kinks – The N4GG Woodstock Station (Part 3) Lightning Protection

This month I'll describe some of what went into the lightning protection scheme at N4GG. As I've mentioned many times, lightning protection is a subject I usually avoid writing about. It's also the subject that generates frequent requests for a write-up.

There is plenty of information available on the web describing methods to gain protection from lightning strikes. The National Electrical Code (NEC) sets requirements for lightning and surge protection – these should be read, understood and followed whenever possible. It's interesting to note that surge protection as a subject goes all the way back to the first edition of the NEC, published in 1897. The NEC and something called NFPA 780 (National Fire Protection Association) treat lightning and surge protection exhaustively. So much so it's hard to digest it all.

Books have been written on the subject - many books. *Grounding and Bonding for the Radio Amateur*, by Ward Silver, N0AX, is a good place to gain actionable knowledge for setting up or improving a station. It is published by the ARRL and readily available from Amazon, DX Engineering and others. The book's subtitle is: *Good Practices for Electrical Safety, Lightning protection and RFI Management*. It's a good book.

Here is why I usually avoid writing about lightning protection:

- To cover it properly requires a book.
- It's been done. Google: Lightning protection.
- Although I see the risk as minimal, writing much about lightning protection opens one up to litigation. If I recommend spacing ground rods six feet apart and your house burns down, will I be blamed?
- The subject is chockablock with false information and I'm unwilling to attempt the impossible – which is to straighten it all out. Lot's of the bad info is rooted in folklore that's been passed down and passed around for decades. Ever hear: Lightning can't strike the same place twice? [False] Use a PolyPhaser on every line and you are all set? [False] Some of the bad info is not rooted in folklore - it's promulgated by people with things to sell.
- The very best you can do with regard to lightning and surge protection is *case specific*. The NEC is the right starting point, but with some applied engineering you can build on the NEC to further minimize a station's susceptibility to lightning damage. The data needed to design an optimized station is available, but the design itself has to come from an engineering-level understanding of lightning.

Having said all that, what *am* I willing to write about? The answer is things that have a sound engineering basis and belong in every station. I was reminded of many of these things as N4GG was dismantled, revealing what I had built 15 or more years ago.

N4GG passed the lightning acid test many times including sustaining no damage from a direct hit on one of the antennas. The antenna (80 meter dipole) was vaporized, but everything else survived unharmed. Meanwhile, there is no panacea. Lightning effects are complex, unpredictable to some extent, and can cause damage to the best designed stations. Commercial broadcast stations expend great sums on lightning mitigation and still occasionally get knocked off the air.

Here are some generic things we can do:

Every station needs a single point ground (SPG). Figure 1 shows the one I built for N4GG. It's an aluminum bar about 12 inches long and ¼ inch thick. It does not need to be copper. Connect *every piece* of gear to the SPG. The SPG helps keep everything at the same potential when high current flows through various elements within a shack. The SPG in Figure 1 used tapped screw holes and ring terminals for connections – nothing fancy here.

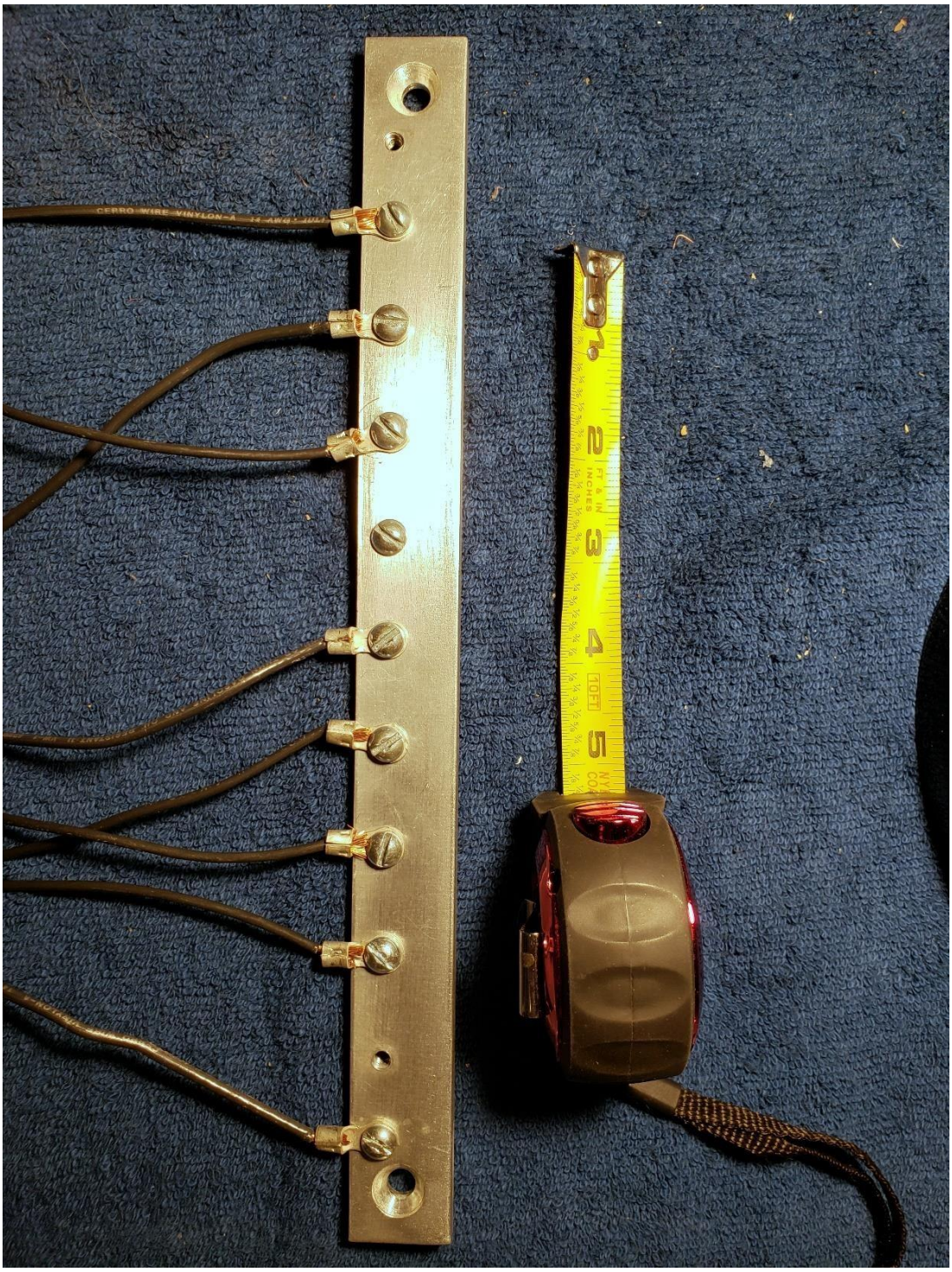


Figure 1

What's often missed is how important it is to ground *everything possible* to the SPG, not just the gear that has a grounding stud on the back. Following best practices, you will be adding grounding studs and connections to gear where it has not been provided by the manufacturer (possibly to save a dollar?). I'd like to repeat something I wrote in March, 2020 in the article titled *Station Un-design Tips*:

"Think through the need, cost and benefit as well as the unwanted, unintended and unanticipated consequences of every nut, bolt, wire, fuse, power strip, connector, insulator, fan, plug, socket, jumper cable, filter, balun, three wire to two wire AC adapter, "lightning protector" (typically useless and/or installed wrong), ground rod, LCD display and piece of gear in your shack. This list is not exhaustive – you get the idea."

The statement was offered to help with station reliability, but it applies to lightning protection as well.

Figure 2 shows an example of grounding that's the product of careful assessment of the hardware at hand. The output of many 13.5 VDC power supplies float. The negative output terminal is not connected to the case and escapes being connected to a SPG. It's this way to allow power supplies to be hooked in series to provide higher voltages. The figure shows the back and bottom of an Astron 13.5 VDC supply where I connected the negative output terminal to the case. A wire was run from the case to the station SPG. Note there was no grounding stud for the case. Case ground had to be picked up with a ring terminal. *Nothing* floats in a well protected shack.

Figure 2

Figure 3 shows the back of a Top Ten Devices DX Doubler. The case is grounded internally to the circuitry – good – but no external case connection was provided. At N4GG a wire was slipped under one of the case screws to return the case to SPG.

Figure 3

Figure 4 shows the back of a control box for an Array Solutions SixPak antenna switch. In this case not only was no case connection provided, the internal circuitry was not connected to the case. I connected the ground side of the 13.5 VDC internal circuits to the case and added a grounding stud to the case. A wire was run from the stud to SPG.

Figure 4

Like the Array Solutions control box, SteppIR control boxes have no connection between the internal circuits and the case, and no provision to connect the case to ground. If you are going to modify a SteppIR controller box, be careful. Unlike every other piece of gear I have worked on, the ground side of the controller PCB is the top side, not the bottom. I have made grounding changes to many SteppIR control boxes for friends.

One crucial area I have no pictures of is the ground connection for the shack computer. N4GG used a tower computer – the case of the tower was easy to connect to SPG. Internet was via WIFI – not an Ethernet cable. A common lightning induced

failure is the loss of the RS-232 or USB driver chip in modern rigs. Connecting the rig and computer to a SPG prevents this.

Now let's turn to control lines running from the shack to outdoor antenna switches and relays. Figure 5 shows the shack-end tie-point for *all* my control line connections. Every line is bypassed to a metal plate with a metal oxide varistor (MOV). The MOVs I chose clamp at 18 volts, just above the 13.5 volts present on these lines during operation. Rotor control lines (no rotors at N4GG) and SteppIR control lines use voltages other than 13.5 volts. The MOVs for those must be chosen accordingly. The 18 volt MOVs I used are rated for 1,000 amps pulse current! They cost less than $1 in quantities of one from Mouser Electronics. When not conducting, MOVs act as RF bypass capacitors - they can help reduce RFI. MOVs will be the subject of a future column.

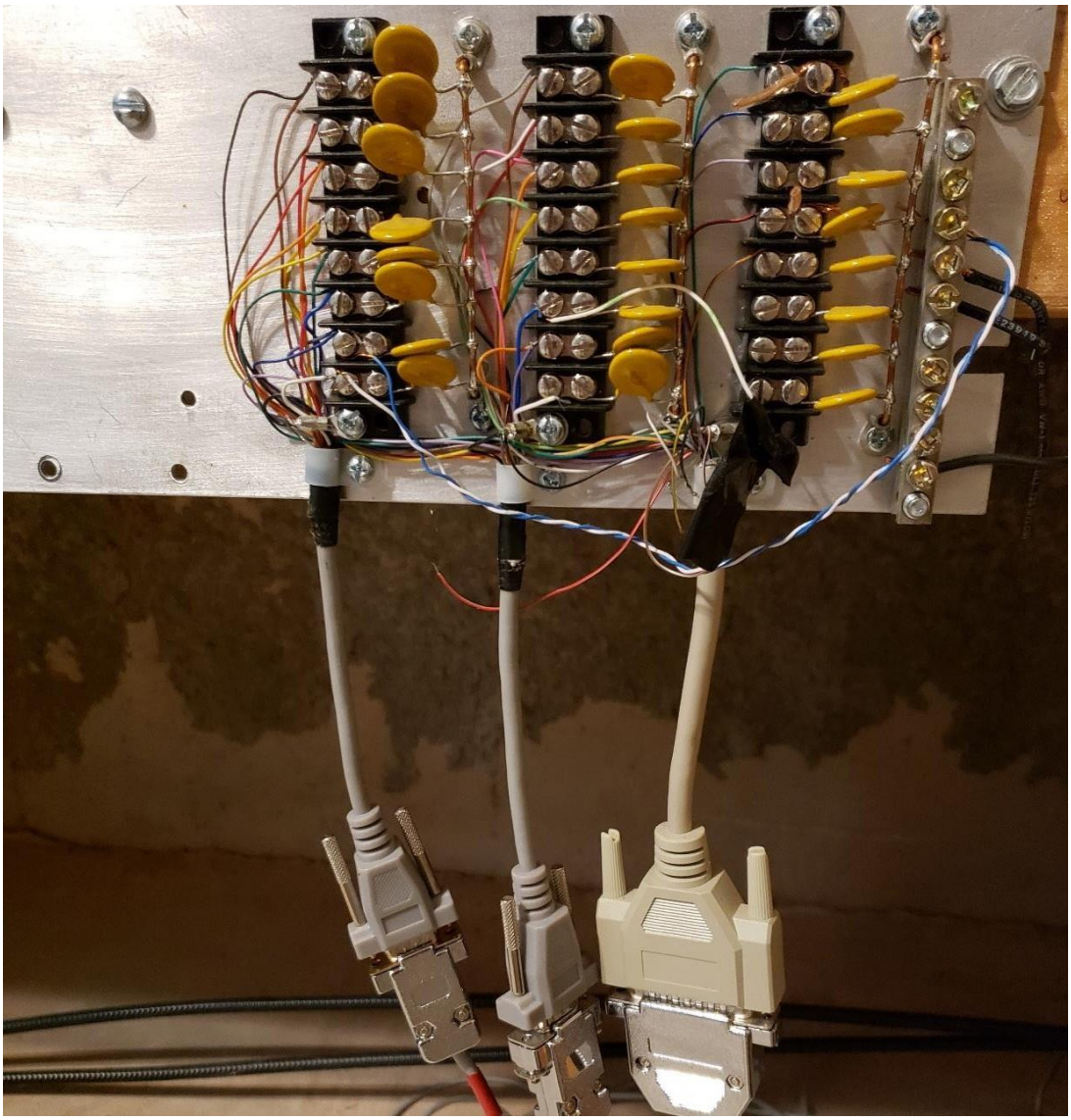


Figure 5

The back-yard end of the control lines was shown last month and is repeated here as Figure 6. Note the MOVs in among the rust. The same MOVs were used on both ends of the control lines at N4GG. I recall buying 100 of them from Mouser when I set up the station. The cost was less than $30 (that was 17 years ago).

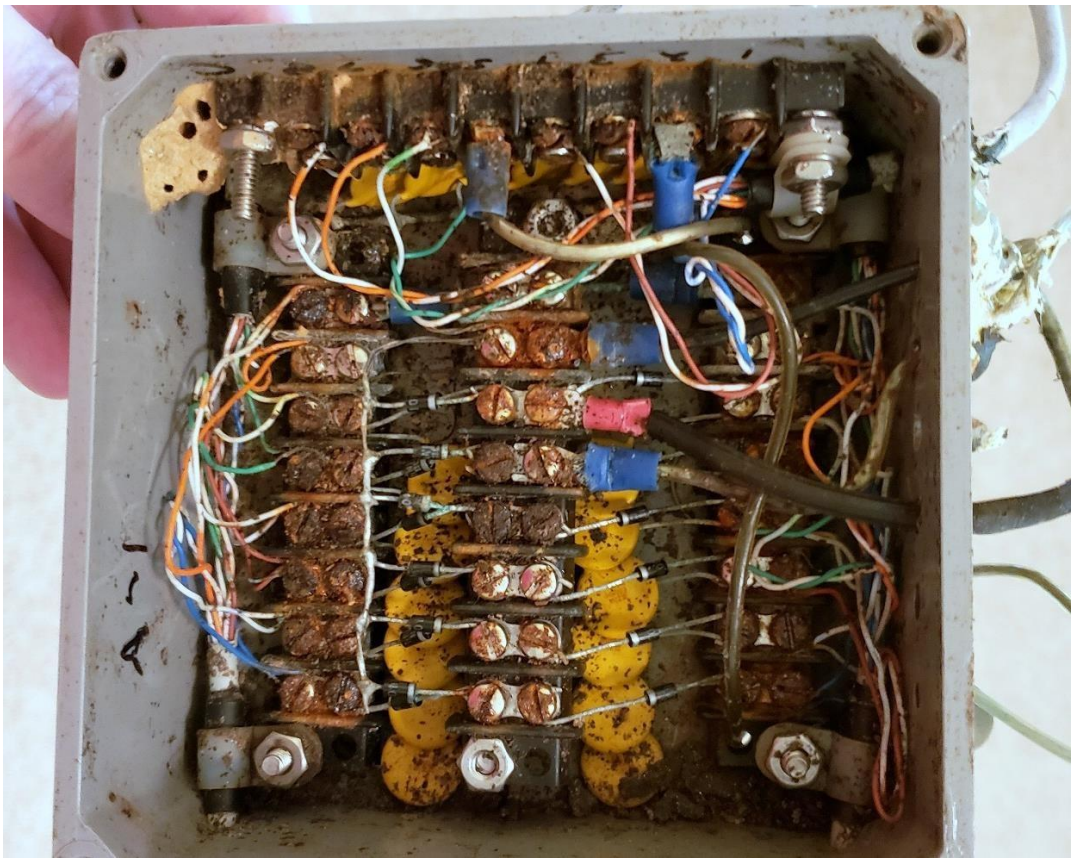
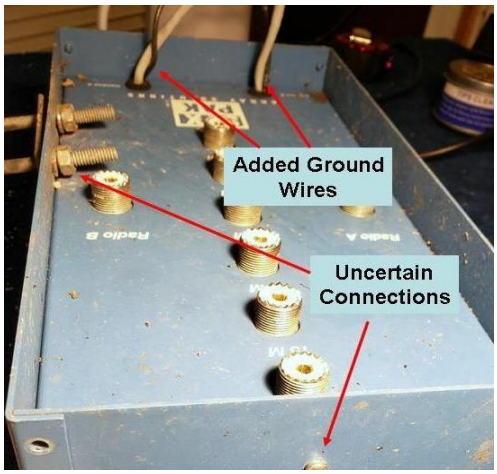


Figure 6

Another example of adding grounds where needed is shown in Figure 7. This is an Array Solutions SixPak antenna switch. Notice a black wire exiting the case alongside each of the two control cables. These were tied to ground on the internal circuit board (Figure 8). This is a great example of the need to analyze every screw, bolt, etc., etc. in the shack.



Figures 7 & 8

Look carefully at Figure 7. The U-bolt clamp on a SixPak is often bolted to a tower leg and an assumption made that this grounds the switch. Note the U-bolt clamp on mine is rusty after 17 years outside, and the case of the switch is powder coated with paint. The connection from the U-bolt clamp to the case can't be relied on. Next, notice the case is held to the inner connector chassis with four stainless steel screws.

Figure 9 shows the inside of the case – it's painted. There is no solid path from the inner connector chassis through the U-bolt clamp and stainless screws to ground. The U-bolt clamp provides support for the switch but a dubious path to ground at best. At N4GG the U-bolt clamp gripped a PVC pipe, not a tower leg. The black wires in Figures 7 and 8 were required to achieve a ground connection for lightning protection. The switch would have operated fine without the added ground wires – this was an easy thing to miss.

Figure 9

Figure 10 shows the entrance into the house for coax and control line connections. Note all connections can be quickly disconnected. While on vacation and during lightning season the cables were disconnected when not operating.

Figure 10

Figure 11 shows the AC power connection for all of the gear. By "all" I mean ***all***. My two amplifiers were plugged into the 240 VAC sockets shown, and all the 120 VAC gear was connected to a large power strip which was plugged into the lower socket. When the antennas and control lines were disconnected outside, the AC plugs were unplugged inside. It was done this way to disconnect all the connections to AC power – including the third wire safety ground (the green wire people sometimes forget). Throwing a breaker or power-strip switch is not sufficient – these virtually never disconnect the safety ground and sometimes don't disconnect the neutral connection (white wire) either. With every external and internal shack connection disconnected there was no path for current to flow through the shack and gear.

I hope this is helpful. There is a lot at stake. Damage to gear is bad enough, but gear can be replaced. Lightning can and does start fires. The NEC exists to mitigate (note: not prevent) such an event.

Figure 11

As mentioned above, moving beyond the NEC is case specific. Some of what was done at N4GG may not apply to your shack and situation. A scenario that requires a significantly different approach is the one where gear must be operating continuously. This includes repeater sites and stations set up for people to operate remotely. Keeping those protected is a challenge.

Here is my last point:

Moving beyond the NEC in a haphazard way or based on folklore is a bad and dangerous approach!

73,

Hal N4GG

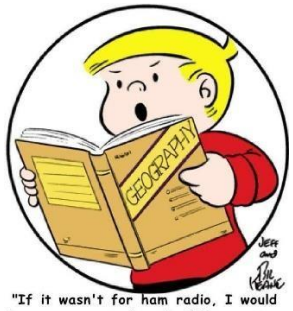
A Reminder About the Svalbard DXpedition!!! *(de Tom Harrell, N4XP)*

Members of the Dateline DX Association will be activating JW0A Svalbard during the period of 09/19/2022 through 09/26/2022. The operators include: N4XP, N4HU, SM5AQD, WB4JTT, W6IZT, W8HC and YV5EED. The operation will be from the JW5E club station. Tom N4XP, Rick N4HU and Gregg W6IZT are SEDXC members! More information here: www.ddxa.net.

73,

Tom, N4XP

25 Years Ago… *(de Bob Sarnecki, NF7D)*



"If it wasn't for ham radio, I would have never even heard of Kyrgyzstan, Brunei, Kiribati, Djibouti, Malta, Nauru, Azerbaijan, or Burkina Faso!

The August, 1997 Newsletter is attached for your entertainment. Well… "Entertainment" may not be the first word that comes to mind, as you read the *Presidential Ramblings* shared by Paul Hansen, W6XA, the incoming president to SEDXC. Paul was facing a very different SEDXC; 25 years ago, the club was in danger of fading away in the absence of activity/support and struggled with remembering the beginning DXers/Contesters in our ranks. Paul's approach reminds me of the last SEDXC Monthly Meeting, where our club "evaluated our Vital Signs", defining areas that we need to focus on that would strength our ranks, our knowledge and club's

interest in the hobby. We've come a long way! Working together, we are entering a new era for our club and (thankfully!) a new solar cycle for our hobby! Rock On!

Finally, Dick Bentley, K2UFT, reminds us that propagation data from WWV is predictive but may not apply "in the moment". It's a nice reminder that for those of us that have the *Solar-Terrestrial Data* link that is published by Paul Herman, N0NBH, may be updated every 3 hours, but the conditions it reports may not be what you find right now. Propagation is always surprising – When in doubt, jump on the band and turn the knob a few times!

DX Cluster Node Close to Home... *(de Bob Sarnecki, NF7D)*

One of the things I remember fondly from my early days as a ham back in 1975, was slowly tuning across the band, listening for "something rare". My "pop gun station" was limited to CW or AM on my Heathkit DX-60 and using a random length wire strung between a tree and a clothesline pole, "rare" for me was basically anything outside of the continental US or "left of the Mississippi". Without the funds for a 2m rig (where local hams swapped info on ATNOs), patiently tuning was my only hope, and I learned to enjoy "search and pounce".

I was dormant for a little while (more than 20 years!), but when I rejoined the ham ranks in 2009, I learned how much had changed in my absence. The ham world was now full of DX Clusters, AR Clusters, DX Spiders, etc. The new tools allow hams to optimize their radio time, and I jumped into the world of Telnet, spots, and integration between radio software and Cluster Nodes.

What remains a challenge is finding a good DX Cluster Node. There are hundreds of them, and while they may all do basically the same thing (provide a Telnet connection from your radio to a server that downloads DX spots), there is a lot that goes into picking "the right one". Some filter their results (eliminating reverse beacon nodes, for example), and some provide everything – though at the "cost" of a lot of data traffic between your computer and the Cluster server. Most ham software is preloaded with "the big guys" (i.e., VE7CC, DX-Summit, etc.), but I learned from my years in Arizona that the ideal Cluster server was relatively local, moderately used, and not necessarily focused on capturing/reporting everything. For years, I used VE7CC's DX Cluster Node; while comprehensive, the performance has often been a challenge as I share the same server with thousands of our ham friends.

One of the ones I have been using recently is the WB4QOJ DX Cluster Node, run by one of the local Atlanta hams – Lee McDaniel, WB4QOJ – since 2014. Lee is active in "all things ham" – SKYWARN, EMWIN, repeaters, etc. An avid CW and digital modes operator, it seemed only natural that his interests would go toward running a Cluster

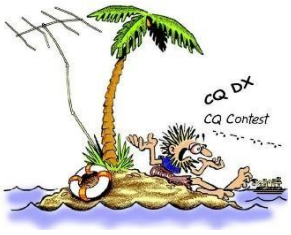
Node, and Lee hosts one in Dallas, GA. It's very comprehensive, and the number of users seems reasonable so the server performance is great for me, with very low latency (which will be even less for most SEDXC members)!

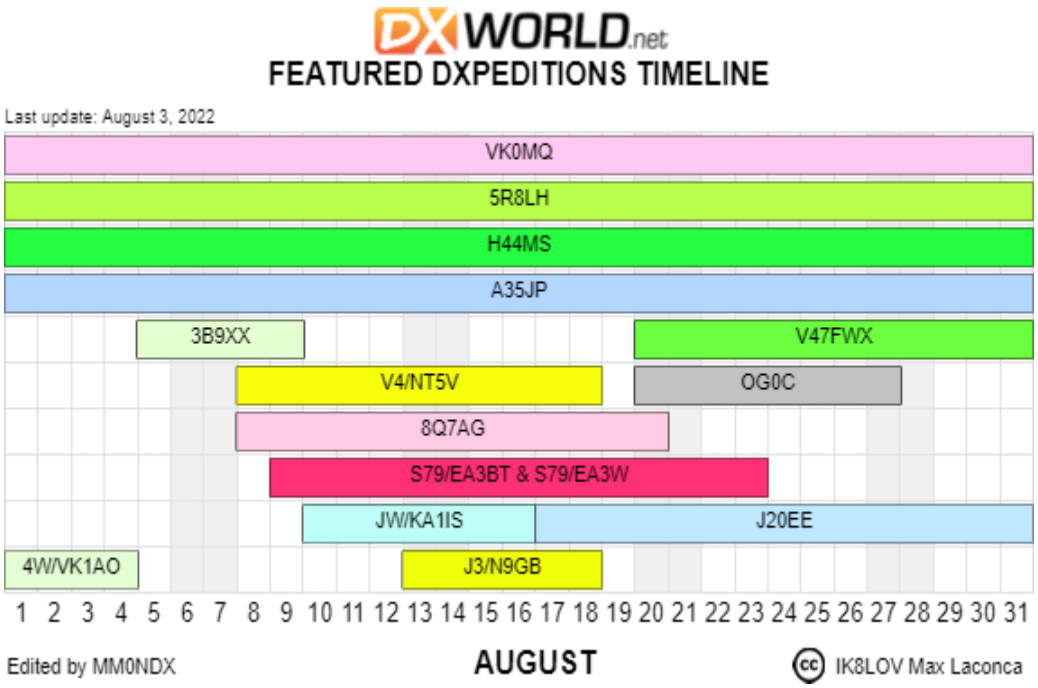
Take a look at Lee's DX Cluster Node:

URL: wb4qoj.no-ip.org
Port: 7373
No UserID or Password Required

A good way to identify all available DX Clusters is by going to the website http://www.DXCluster.info/telnet/index.php – the location, IP Address/URL and port number are listed for 684 DX Clusters across the world!

DXWorld.net Dxpedition Timeline





The *DX World* Calendar features 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: http://www.hamradiotimeline.com/timeline/dxw_timeline_1_1.php

SEDXC Officers & Positions

SEDXC Officers:

Chuck Catledge, AE4CW – President – c.catledge@gmail.com
Clark Macaulay, WU4B – Vice-President – macaulay@gmail.com
Joel Levine, WA4HNL – Secretary – jlevine@bellsouth.net
Jeffrey Cantor, K1ZN – Treasury – jacantor9@gmail.com
Bob Hensey, K4VBM – Activities Manager – ptcorners@gmail.com

SEDXC Appointed Positions:

Chaz Cone, W4GKF – Webmaster – w4gkf@chazcone.com
Bob Sarnecki, NF7D – *SEDXC Bulletin* Editor – bob.sarnecki@gmail.com

* SOUTHEASTERN DX

SOUTI3EASTERN

THE SOUTH'S PREMIER DX CLUB

August 1997

NEXT MEETING TIME & LOCATION
Tuesday,Aug.19th,7:30 PM, Old HickoryHousein the Days Inn, Roswell Rd., just inside I-2g5.

PRESIDENTIAL RAMBLINGS

-Paul Hansen, W6XA, President

Each one of us owes a tremendous amount of gratitude to our outgoing President and vice-president. Steve Schmidt and Paul Pescitelli have served way beyond the call of duty'. Please take a moment next time you sec them to say, "thank-you". I am saying it now!

I t:an only wish my effons in the coming year will be half as successful. One thing for sure is that I don't b.ave She 'e'_•. c° !!s to wrli•. those er.Pertaining stories of my DX capades. Just the facts-ma'am. That's pretty much my style. Anyone wishing to contribute should know in advance that your stories will be more thdfi welCome. Please, please send something in.

Another thing for sure i.s that I cannot singlehilFldedly man Dayton s hospilalii y room or the booth at the Atlanta Hamfest. lt is _oin to have to be a more shared effort if the club w ants to continue these traditions. If it falls solcly on mc or my 4'P, it just won't get done. When it comes time to take volunteers for some of these duties, I don't want to sec the backs of everybody's head like we've all seen recently. Put up those hands and chip in!

The Southeaster DX Club is on the verge of dying. Activity and support levels are appalling. Part of the problem, in my humble opinion, is attitude. There seems to be the perception that only DXCC members are qualified to be members in the SEDXC. In support of that position I must agree that in my experience, DX'ers and Contestershax'e demonstrated themselves to be the elitc among the Amateur Radio community. But, being clitG and being elltist are two distinctly dlfferent positions. Too many really excellent operators have been excluded from this club by an elitist attitude and it hurts us,

It hurts us because we are not exposed to improvumonts andinnovations inoperating technique continuously being developed by avid contest operators. It hunts us because we tend to display an exclusionary attitude that alienates potential members who may not be actively seeking DXCC standings but success in slightly different arenas. Mostly. it hurts us sincc we have become stagnate and stale as a club in a time when we should be actively promoting ourselves as the training 9round and support field for any Amateur with a genuine interest *international Amateur Radio communications" to becpme more profi cient in that endeavor. DXCC membership is something we are all proud of and should continue to promote but. not to the exclusion of those whose interest nre dei'ot-md rrore to wants contesfing or ñe veloping more intimate friendships with Amateur Radio Operators in other countries. Not everything in life is, "559, QSL via the buro."

The Southeastern DX Club is on the eve of its 40th anniversar; . Its direction must change to meet the needs of different times. Our goal has to become that of a resource, not a reward. We cannot expect improvements in operator skills and DX'ing if we continue to shrink from the challenge. Let us open the doors to becomc better teachers as well as better students. As a result we will all become better DX'ers.

In accordance with Article VII of the Constitution, publication of proposed amendments is included herein. Changes are in *italics.*

(continued page 2)

LAST ISSUE IF YOU HAVEN'T RENEWED!!

The SEDXC Newsletter is published montNy by the Southeastern DX Club . All opinions expressed by the contributors donot necessarily reflect those o?the editor, officers, or club. We welcome your opinion.

(continued from p 1

EXisting:

Article I.
Name and Purpose of the Club

A. The name of the Club shall be Southeasiern DX Club, with permanent headquarters in Atlanta, GA, and shall hereinafter be referred to as "the Club."

B. The purposes of the Club shall be to promote fraternalism among Radio Amateur5 Of the World having a prime interest in international Amateur Radio communications and to assist members in achieving a higher standing in the ARRL DX Century Club.

Article II
Membership in the Club

A. Membership in the Club shall be open to all Radio Amateurs holding an active Amateur License who are interested in international Amateur Radio Communication. Membership shall be in two classes:

1. Regular Members are those members who hold a valid post-World War 2 DXCC award, issued by the American Radio Relay League. Regular Members are entitled to all Club privileges including the right to vote and to hold office.
2. Associate Members are those mcmbers who have not yct received membership in DXCC. Associate Members can neither vote nor hold Office. Immediately upon receipt of the DXCC award, an Associate Member instantly and automatically becomes a Regular Member.

B. Membership dues shall be assessed by the Officers of the Club herein-after provided for, and shall be approved by a majority vote of the Regular Members present at open meeting, provided the total Membership has been notified by First Class Mail of the pending action at least seven days prior to said meeting

C. Candidates for Membership shall be accepted provided they have received a majority vote of the Regular members present in cipen meeting.

Proposed:

Article I.
Na e and Pu o e f the Club

A. The name of the Club shall be Southeastem DX Club, with permanent headquarters in Atlanta, *Georgia,* and shall hereinafter be referred to as *the Club".

B. The purposes of the Club shall be to promote fraternalism among Radio Amateurs of the World having a prime interest in international Amateur Radio communications and to assist members in *developing superior operating proficienc y in the pursuit of internatianal Amaic•ur Radici communications, or* achieving a higher standing in the ARRL DX Century Club.

Article II.
Membership in the Club

A. Membership in the Club shall be open to all Radio Amateurs holding an active Amateur License who are interested in international Amateur Radio Communication. Membership shall be in two classes:

(CDHtinued p 3)

(continued frDm p 1)

Existing:

Article I.
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Article II
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(continued:I p 3)

(Corttituied front p2)

1. Regular h4embers are those members who hold a valid *Ornateur Radio License of any class.* Regular Members are entitled to all Club privileges including the right to vote and to hold office.
2. Associate Members are those members who have not yet rcceived *an Amuteut' Radio License.* Associate Members can neither vote nor hold Office. Immediately upon receipt of on *AmateurRad,io Liceiis'e,* an Associate Member lnstantly and automatically becomes a Regular Member.

B. Candidates Jor Mernhei'ship shall be elected using fftr *following procedures:*

*1. Candidate.s (or Membership shall be sponsored by at leust one Regular Member of the Club. The Candidcite for i*tf*emliersliip, the Candidate 's sponsor, and a completecl Membership applicatian alon g ivifh applicable dries shall be presented at a regularly .scheduled Cluh meemug.*

2. The application)or membersh ip will be reud to the members y›resent and the applicant ivi/f be introduce‹I by die sponsor.

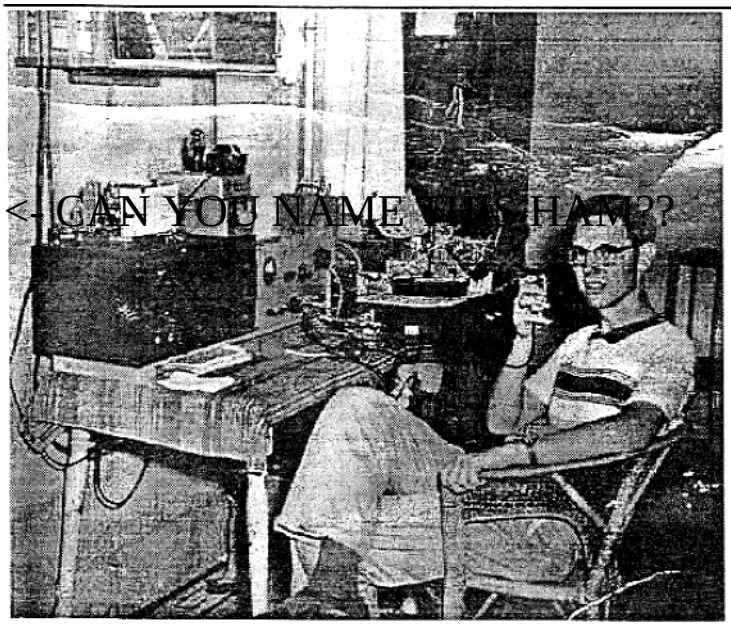
*3. Notification oj' tlit• appliCation shall be p*ttblished *in the* neeJ *sticcec•din g newsletter.*

4. Action on they a p fication for Memlac'red ip shall he taken at fhe *tie:xt re gtilar Club meeting. At least one of the uyplicani 's sponsors must be in ‹attendance. The aypli cant's attenclance at that meetin g is optional. A simple majori*ry*of the Re gu far Memher.s present will be* reqiifred *to elect an applicant Io Meinhersli tp.*

C. Membership dues .shall her asYes.red la y the Office re o|' the Cluh herein -after yrn 'ided for, and shall he appro v'e‹l hx a majorit y voles oJ'the• Regular Member. prc•sc•nt at oper meetiii g, provided the total Membership has been notified by Fir 't Class Mail oJ'the pending uction ot lea t ›e ven da ys prior ta said meeting.

If lhe club enacts these changes, I will undertake to make welcome those who have felt alienated. Especially those whose interests are directed more towards contestinqp. I am hoping we can, at the very least, enjoy thc presence of some representatives of the Southeastern Contest Club (to name only one) and I would like to see mutual support programs developed to each club's benefit. I would also like to develop a cadre of "DX Elmers" to show any newer members who might so desire, things like technique or skill or ethics which would serve to improve their DX'ing experience. This could only improve our experiences as well.

-73 Paul, W6XA



SEDXC MINUTES 7/97

-Dick Bentley, K2UFT, Secretary Pro Tern

Meeting called to order at7.35 PM by President K4WA. The usual vocal introduction of each member was dispensed with but an attendance list was circulated. K2UFT was appointed to take notes in the absence of Secretary K4ODL. Minutes of the Junc meeting were approved as presented in the Club newsletter. There being no old business, we proceeded to new business and the election of officers for the 1997-1998 term.

A slate of officer5 was announCed:

President: Paul Hansen, W6XA
Vice-President: Ernie Zinpleman, KS4Q
Secretary: Rick Glisson, N4XMX
Treasurer: Nancy Draheim, N'K4U
Activities Manager: Dick Bentley, K2UFT
Additional Positions:
Nez stutter Editor: Rick Glisson, N4XMX
Ivlembership Chairman: Paul Picatelli K4UJ

h'‹i additional nominations were received from the floor nor v'ere there any volunteers to run for these offices. N ordination.s were closed and the above slave i as unanimous!'. appro e5. Aiâriounced w'ere fOrth-coming expeditions to 5A1A, VK9W and KH7K.

Following the break and prize raffle, the evenings program was presented by Jeff, WB8HDD on his 1991 trip to VP5W with W4PRO and AA4NG. They still have 200 QSLs left if you havent sent your request in yet!

BEEPS DE K2UFT

-Dick Bentley, K2UFT, Activities Director

Conprats to our new slave of officers for the 97 - 98 season. Looking forward to lots of activity opponent-ties for club participation.Paul's already looking over the constitution to see if any improvements can be made.

I9SS will be the 40th year of the 8outheastem DX Club. V'hat better time to get that certificate program off of my back burner and into realiq . Its also the 70th anniversary of the Atlanta HarnFestival and we need to think about some joint activity with those folks in June '98, perhaps a DX Dinner or even better, aDXPO?What do youthinx'? Are ycu willing to help out? See you at the meeting.

73 Dick. K2LTT Activities Chairman

PART 2 of a Series *(continued from last month)*

My Thoughts on Propagation de W/7 (Alias WOMHS)

I get an idea of an opening, then I come back to the menu and start checking certain paths into the area I think has possibility, and then make a decision as to what to do. 20M is the main day band these days, but lhere are tonza 15M openings that go wanting for use ... tons! When I see a 15M path show up, 1 jump on it: Call CQ !! !! and seldom do I go unrewarded! More often I am totally surprised with the Q, it comes out to be a RARE?Needed/good one! You gottum ona band all by yourself, you can conjure up a QSL card quicker from a chit/chat/ragchew than the hi/bye type QSO for sure. All you gotta do is learn the technique of where to put your CQ's,

I ha •e been using MP (like version 1.5 or something) since 1987 I wanna say ... I don't have the more fancy one. don t need it! There is on thing that is the base seci'et to success: DO NOT USE WWV Flux Numbers!Ever! They do not give you the correct results. I like to put it like this: If the Texaco Tanker at a zillion tonz is making 20 knots and somebody sez "hard right, Roy!", it takes about two weeks and half the Pacific Ocean to turn the bugger! It dOC5 NOT responn instantly! Same with the ionoshere, it takes time (a large amount of energy) to pump up the ionosphere ... so if W\VV gives you a F = 123 tomor-row, you go the the bands, you WILL NOT find 123 conditions! You find DISTURBED or anomolous conditions (another great treasure to play with!) but not "THE BAN DS ARE HOT!" no way. What you use for flux or SS# is the AVERAGE, a smoothed AVERAGE is best, and you don't waste your lime tuning to WWV! The model of MP I have does not do D-region absorption (it's a Region notta layer!) and the A-index on \VWV is worth the trip to find out. It tells you of D-rejion lnss which affec mostly low bank conditions.like when Afr, or Ap is above 10, take up stamp collecting on the low bands! or go fishing! ! (on the high bandk!).

There is one parameter which is rarely re-ported and which is computed in my old version of MP and that is the E-cut off freq ... that freq at which the E-layer effectively prevents workable signals from reaching the F-layer. THIS IS THE EVIL (E-EVIL, gitit?) LAYER! FMUF is a hon'ible w'ay to go without ECOF information FMUF info is most times totally WORTHLESS! How many times does FMUF show prop between your QTH and DX?

(continued next month!)

SEDXC DXpedition Funding Request

Fill out the form completely and send it to treasurer@sedxc.org

Entity Name / Call Sign	Chatham Islands – ZL7/K5WE
Web page	https://k5we.com/zl7-k5we/
Team leader / number of members:	Jeff Martin – K5WE - 2
Approx. Date and duration of Dxpedition	Start 9Sep2022 End 21Sep2022
QSL manager / QSL route	K5WE
Budget estimated for Dxpedition	$10,473.00 USD
Position on most wanted list:	82
Landing permit/operating permission approved.	Yes
Last time this entity was activated	Unknown
Typical interval between activations	Unknown
Anyone planning to activate this entity before your DXpedition	No
Objective / Strategy	Maximize number of QSOs. Work Europe when possible.
Callsign/Age of youngest Team member	KD5GEY - 35
SEDXC member initiating request	
SEDXC member(s) participating	
Funding amount requested	Open
Send Funds to:	Paypal address: JeffK5WE@gmail.com
SEDXC logo on QSL cards?	Yes
SEDXC logo on web page?	Yes
Additional comments: I'm writing to ask for SEDXC sponsorship of my upcoming ZL7/K5WE - Chatham Island DXpedition. The plan is for ZL7/K5WE to be active beginning September 9 through September 21, 2022 from the NE coast settlement of Kaingaroa on all bands 160-10 meters (including 60 meters) using the CW, SSB, FT8, FT4, and RTTY modes. The Chatham Islands entity is currently #82	

on the Clublog Most Wanted List. My son KD5GEY will be joining me in this operation. We hope to put at least 20,000 QSOs in the log.

Any amount your group could contribute to this effort would be appreciated... For more information please see the DXpedition webpage at: https://k5we.com/zl7-k5we/ .

Thanks very much...

73,

Jeff Martin - K5WE, ZL7/K5WE

Previous callsigns: VP2VEM, ZF2WE, XR0YS, PJ7/K5WE, PJ5/K5WE, PJ5W, FJ/K5WE, KP2/K5WE, PJ4/K5WE, KH6/K5WE, V31WE

SEDXC DXpedition Funding Request

Internal Use

Date published in the newsletter	
Results of member review at the meeting: (approved / disapproved)	
Funds disbursed on date:	
Funds disbursed by:	

Southeastern DX Club

Annual Budget

2022 – 2023

Checkbook balance on June 30, 2022 is $13,134.24

Available funds for DxPedition Grants is: $6,567.12

June 30, 2022 membership count is 194 members

1. **DxPedition Grants** **$6,567**
2. **Club Picnic – Fall** **$300**
3. **Holiday Party** **$300**
4. **Club Picnic – Spring** **$300**
5. **Speaker / Program / Gifts** **$250**
6. **Webmaster / IT** **$200**
7. **Postage** **$50**
8. **Insurance** **$200**
9. **Beacon Project** **$300**
10. **ClubLog Donation** **$300**
11. **Zoom Fees** **$250**
12. **Rememberances/condolences** **$400**

Total **$9,417**