

CQCW Club Information

DEAR CLUB MEMBERS **ATTENTION!**

Support our club in test "UNION of CLUBS."

Test are held in the organization of the RO SRR in Primorsky Krai and the Radio club Crystal (ARCK) <http://www.grz.ru/contest/detail/76.html> Russia.

Starts: February 2, 2019 at 05:00 UTC modes: CW, SSB

Completion: February 2, 2019 at 08:59 UTC Bands: 40 m, 20 m, 15 m, 10 m.

The most active participant of our club (only CW mode) will receive a prize!

All questions to organizers of competition. E-mail: rw0um57@mail.ru

Or contact us via email cqcw@ya.ru or cq73@ya.ru.

Crash Radio Weekend 2019

Zat. 2 en Zon. 3 Maart 11:00- 16:00

Thema van dit jaar: The Wireless Operator

Demonstraties

Demonstraties van o.a. de T1154 zender en R1155 ontvanger uit de Lancaster bommenwerper.

Verkoping

Tijdens de radiodagen is er gelegenheid voor zendamateurs hun overvloedige militaire apparatuur te koop aan te bieden. Tafels zijn beschikbaar.

Uitzendingen

Zendamateurs kunnen op dit weekend verbinding maken met de radiokamer om 11.00 uur op 3705 kHz AM, om 14.00 uur op 7073 kHz LSB en gedurende de openingstijd PI3ASD

CRASH 40-45 Luchtoorlog en Verzetsmuseum

Fort bij Aalsmeer, Aalsmeerderdijk 460,

1436 BM Aalsmeerderbrug

<http://qrz.com/db/PI4C> <http://www.crash40-45.nl/>

Crew

Anton PE1JAS, Geert PA7ZEE, Gerard PA3GRK, Gerrit PAØGJC, Herman PH1DTC, Maurice PD4MVG,

en Trevor PA3BOH

Nadere informatie bij Gerrit: pa0gjc@ziggo.nl

QSP Webmaster SRS

Beste mede amateur,

Dear fellow amateur,

In deze mail staat een link waarop het vijfenveertigste DKARS-Magazine is te downloaden.

This mail contains a link which the 45th- DKARS-Magazine is available for download.

De Dutch Kingdom Amateur Radio Society is een stichting die de belangen wenst te behartigen van ALLE radioamateurs binnen het gehele Koninkrijk der Nederlanden.

The Kingdom Dutch Amateur Radio Society is an organization that seeks to represent the interests of ALL radio amateurs throughout the Kingdom of the Netherlands.

De DKARS doet niet aan copyright en het staat een ieder vrij om deze link aan zoveel mogelijk radiovrienden door te sturen.

The DKARS does not copyright and any person shall be free to forward this link to as many radio friends.

DKARS Magazine verschijnt 1x per maand en wij stellen het uiteraard op prijs als je ook (radio amateur gerelateerde) bijdrages wilt leveren.

DKARS Magazine appears 1x per month and we obviously appreciate it if you (related radio amateur) to provide contributions.

Namens de Dutch Kingdom Amateur Radio Society wens ik je veel leesplezier nadat je op deze link hebt geklikt:

On behalf of the Dutch Kingdom Amateur Radio Society, I wish you pleasant reading after you click on this link:

<http://downloads.dkars.nl/DKARS%20Magazine%20201901.pdf>

Wil je in plaats van een PDF te downloaden het Magazine on-line doorbladeren?

Dat kan ook, ga dan naar deze link:

Want to download the magazine browsing on-line instead of a PDF? This can also go to this link:

https://issuu.com/home/published/dkars_magazine_201901

Mist u een DKARS-Magazine kijk op:

Do you miss a DKARS-magazine see:

<http://www.dkars.nl/index.php?page=magazine>

En tot slot: heb je kopij, een mening, gevraagd of ongevraagd advies: dat kan 24 uur per dag, 7 dagen per week via

And finally, do you copy, an opinion, solicited or unsolicited advice: it 24 hours a day, 7 days a week through

magazine@dkars.nl

73 namens de DKARS

Peter de Graaf

PJ4NX en PA3CNX

Secretaris DKARS

[slowspeedwire] Free Bell 103 Modems used for dial-up telegraphy

Hi Everyone,

I have a box of about 10 Radio Shack Dial-Up Modems that use the Bell 103 standard.

We used these before the MorseKOB for dial-up telegraphy.

Some have been converted to dial-up telegraphy and others have not.

I am not 100% sure of the status of which have been converted and which have not.

Does any one want one or more of these for free before I try to give them away on a Radio Shack site?

The only cost to you would be postage.

Thanks and 73, Derek Cohn

Amateur Radio Station - WBØTUA

Morse Telegraph Club - Office UD, Sine DJ

Still for sale at:

https://www.ebay.com/sch/i.html?_nkw=bell+103+modem&ul_noapp=true

Editor

How a Western Electric Athearn single line repeater works

The WeCo Athearn single line telegraph repeaters are magnificent and elegantly designed instruments.

They consist of two locking relays on a single base.

The main relay magnets are 120 Ohms resistance (60 in each coil) and the locking magnets are 10 Ohms resistance (5 Ohms in each coil).

The vertically pivoted relay armatures operate two sets of "form A" contacts under each armature.

The armatures use simple retracting springs. The main magnet and locking magnet spacings are separately adjustable.

The only electrical connections needed are loops from the EAST and WEST telegraph circuits, and local DC battery and ground needed for the 300 Ma. locking magnet circuit. There are "cut" switches on the instrument base to close each loop circuit individually so the repeater can be made "blind" in either or both directions as may be required.

They are quite simple in their direct operation:

When the "EAST" circuit opens and releases the EAST armature, the associated two sets of contacts open.

One set of contacts opens the WEST circuit, while simultaneously the other set of contacts opens and unshunts the WEST holding magnets to keep the WEST armature held down, thus keeping the EAST holding magnets shunted and inoperative so the instrument can act on Morse signals from the EAST circuit.

Of course, when the EAST circuit goes idle, the WEST circuit can operate the WEST armature in an identical fashion, opening the EAST circuit while unshunting the EAST side holding magnets to keep the EAST side armature held down and the WEST holding magnets shunted and inoperative during open intervals of the WEST circuit.

The direct operation eliminates the need for separate receiving/locking relay and transmitter instruments, thus speeding up the repeating action.

This makes the Athearn superior to most other types of telegraph single line repeater sets.

In addition, only a simple single connection to local office battery and ground is necessary for their operation.

Ed FB

See My PLL Nr.451 &

[https://www.google.nl/search?q=How+a+Western+Electric+Athearn+single+line+repeater+work+s&tbm=isch&source=iu&ictx=1&fir=SoaqAUlghcltJM%253A%252CONuJTE3YwXI8PM%252C&usg=AI4_-](https://www.google.nl/search?q=How+a+Western+Electric+Athearn+single+line+repeater+work+s&tbm=isch&source=iu&ictx=1&fir=SoaqAUlghcltJM%253A%252CONuJTE3YwXI8PM%252C&usg=AI4_-kQVqguWpvdHD35VVjTk4TtrcOpHig&sa=X&ved=2ahUKEwisxcax45XgAhVQL1AKHez_CRYQ9QEwBHoECAUQDA#imgrc=SoaqAUlghcltJM)

[kQVqguWpvdHD35VVjTk4TtrcOpHig&sa=X&ved=2ahUKEwisxcax45XgAhVQL1AKHez_CRYQ9QEwBHoECAUQDA#imgrc=SoaqAUlghcltJM](https://www.telephonecollectors.org/humor/repeater.htm)

<https://www.telephonecollectors.org/humor/repeater.htm>

https://en.wikipedia.org/wiki/Franklin_Leonard_Pope

<http://www.telegraph-history.org/pope/>

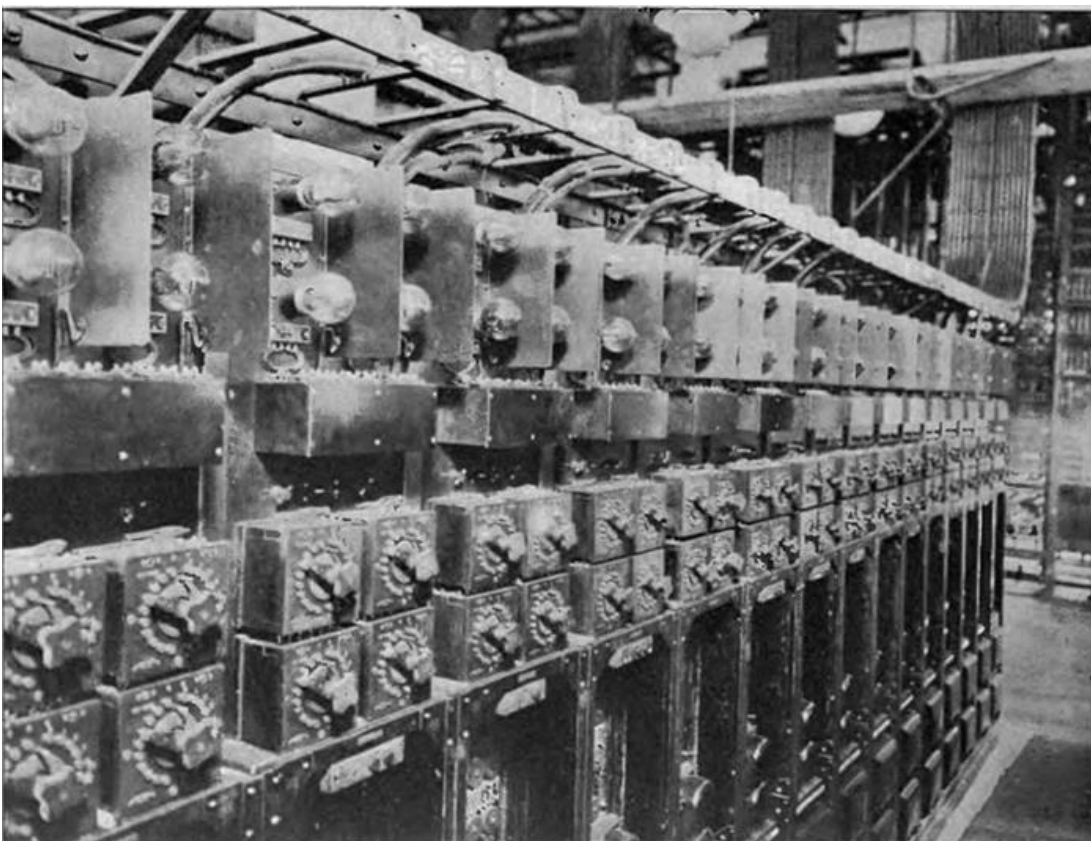
http://ethw.org/Franklin_Pope

<https://archive.org/details/modernpracticeof00poperich>

<http://www.telegraphlore.com/pope/pope.htm>

<https://www.princeton.edu/ssp/joseph-henry-project/cyrus-brackett/motor.pdf>

Early Audion telephone repeaters



Editor

I pick up a 80 ohm LC Tillitson box relay a few months back.

I have looked online for this particular relay and found nothing.

I would to get some idea of how old it is.

I have not tested it yet or even checked the coils.

<http://www.telegraph-history.org/manufacturers/tillotson/till28.htm>

Joe

Well, take a look at this old advertisement for Tillitson from 1884 about half way down the page on the right side.

I think you'll see your small "pony" box relay.

John Casale maintains a wonderful web site of telegraphic history and I refer to it frequently.

Here's his link to more general info on Tillitson:

<http://www.telegraph-history.org/tillotson-greeley/tillotson.html>

and of course the main page is:

<http://www.telegraph-history.org/>

73, Chris

Online auction of ham radio gear, lots of Collins...

In case anyone has some change burning a hole in their pocket and is into some heavy ham iron, here's an online auction ending next Thursday.

Lots of Collins stuff.

Enjoy browsing...

<https://schulmanauction.hibid.com/>

The AWA sent out this link and so I thought I would pass it on...

73, Chris

Hello Friends

<CLASS="TITLE style-scope ytd-video-primary-info-renderer?>Goodbye Bright Flares, Hello Dark Hole: Solar Storm Forecast 01-31-2019 From Dr. Tamitha Skov

<https://www.youtube.com/watch?v=bDPdyxfNWdA&feature=em-uploademail>

"This week the Sun comes out of hibernation with a fast growing active region and a large coronal hole rotating into Earth view.

Although the region (2733) never launched any Earth-directed solar storms, it nevertheless fired off a few C-class flares that no doubt made the HF radio bands a bit noisy.

However, this bright active region has also boosted the solar flux back into the marginal range for radio propagation."

Solar Storm Conditions and Aurora 5-Day Outlook

HIGH LATITUDES

----- Official NOAA 3-day -----				
Jan 31 Thu	Feb 1 Fri	Feb 2 Sat	Feb 3 Sun	Feb 4 Mon
Minor Storm Aurora Possible	Minor Storm Aurora Possible	Active Aurora Possible	Active Aurora Possible	Unsettled Aurora Possible
55% Major Storm	55% Major Storm	30% Major Storm	15% Minor Storm	10% Minor Storm

MID LATITUDES

----- Official NOAA 3-day -----				
Jan 31 Thu	Feb 1 Fri	Feb 2 Sat	Feb 3 Sun	Feb 4 Mon
Active Aurora Possible	Active Aurora Possible	Unsettled Aurora Possible	Unsettled Aurora Possible	Unsettled
25% Minor Storm	25% Minor Storm	10% Minor Storm	15% Active	10% Active

Solar Flare and Particle Radiation Storm 5-Day Outlook

Solar Flares

----- Official NOAA 3-day -----				
Jan 31 Thu	Feb 1 Fri	Feb 2 Sat	Feb 3 Sun	Feb 4 Mon
M-class 1%	M-class 1%	M-class 1%	M-class 1%	M-class 1%
2733	spotless	spotless	spotless	spotless
Solar flux: 73	Solar flux: 71	Solar flux: 72	Solar flux: 72	Solar flux: 72

Particle Radiation Storms

----- Official NOAA 3-day -----				
Jan 31 Thu	Feb 1 Fri	Feb 2 Sat	Feb 3 Sun	Feb 4 Mon
Frequent Flyers+ PN*	Frequent Flyers+ PN*	Frequent Flyers+ PN*	Frequent Flyers+ PN*	Frequent Flyers+ PN*
above 40° lat & 35K ft (11 km)	above 40° lat & 35K ft (11 km)	above 40° lat & 35K ft (11 km)	above 40° lat & 35K ft (11 km)	above 40° lat & 35K ft (11 km)

*Not official NOAA prediction. Source: NASA NAIRAS radiation nowcast

Cheers, Darrel, aa7fv.

Have a nice day / week(end) gents, BCNU.

Yann, F5LAW

<http://www.sideswipernet.org/>

By OM Yann F5LAW SideSwiperNetGroup

73, from the town at the rivers "De Bergsche Maas" and "De Dongen" Geertruidenberg (800+ years city rights) at: 51.702211N 4.853854E
Editor PA0CLQ

Its sneaks closer.

-30-

E: pa3clq@casema.nl

W: www.pa3clq.nl/ i.e. Huge Direction Finding Antennas