



MAY 2020 NEWSLETTER

ARRL Public Relations Committee 2020 Field Day Outreach and Discussion Teleconference Calls

E-mail sent May 4 by Sid Caesar, NH7C, Public Relations Chairman for the ARRL

Hello PIOs, PICs, and Section Managers,

The ARRL Public Relations Committee (PRC) invites you to join us this month during our Field Day outreach initiative for 2020.

Starting on 14MAY20, the PRC will host Thursday video teleconference calls to discuss 2020 Field Day preparation and planning, from the public relations and public information perspective. These calls are intended to be an opportunity for the participants to be interactive, rather than a lecture.

All ARRL Field Services appointees are encouraged to participate. The PRC is especially interested in the participation of PIOs, PICs, and Field Service appointees who are new to their position to join us to discuss how to get started with your Field Day Public Relations activities and outreach for 2020.

The planned topics for the Thursday sessions include:

- Use of Social Media to promote Field Day
- Successful interaction with print, radio, and television professionals
- Available Field Day materials
- Field Day Public Relations "Best Practices" and "Lessons Learned"
- Open Forum

To make the Field Day teleconference calls convenient for you to attend, the start dates and times have been staggered. Pick a time and date on one of the Thursdays that works for you. Each call is planned for 60 minutes. You can attend more than one call.

14MAY20	9PM Eastern – 6PM Pacific
21MAY20	10PM Eastern – 7PM Pacific
21MAY20	Midnight Eastern – 9PM Pacific
28MAY20	2PM Eastern – 11AM Pacific
28MAY20	8PM Eastern – 5PM Pacific

Please email to Sid Caesar, NH7C at NH7C@ARRL.net to receive the dial-in information for the Field Day teleconference calls.

The ARRL Public Relations Committee looks forward to your participation on the 2020 Field Day

teleconference calls.

Thank you,

Sid

Sid Caesar – NH7C

Chairman

Public Relations Committee

ARRL, the national association for Amateur Radio®

NH7C@ARRL.net

Sid@NH7C.com

619.203.0705 Cell/Text

The Great Geomagnetic Storm of May 1921

<https://spaceweatherarchive.com/2020/05/12/the-great-geomagnetic-storm-of-may-1921/>

May 12, 2020: 99 years ago this week, people around the world woke up to some unusual headlines.

"Telegraph Service Prostrated, Comet Not to Blame" — declared the Los Angeles Times on May 15, 1921. "Electrical Disturbance is 'Worst Ever Known'" — reported the Chicago Daily Tribune. "Sunspot credited with Rail Tie-up" — deadpanned the New York Times.

May 1921 Geomagnetic Storm

SUNSPOT CREDITED WITH RAIL TIE-UP

New York Central Signal System Put Out of Service by Play of Northern Lights.

The sunspot which caused the brilliant aurora borealis on Saturday night and the worst electrical disturbance in memory on the telegraph systems was credited with an unprecedented thing at 7:04 o'clock yesterday morning, when the entire signal and switching system of the New York Central Railroad below 125th Street was put out of operation, followed by a fire in the control tower at Fifty-seventh Street and Park Avenue.

This is the first time that a sunspot has been blamed for such a piece of mischief. From other accounts it appeared

The New York Times

Published May 16, 1921

Copyright © The New York Times



ELECTRIC DISTURBANCES AFFECT FRENCH WIRES

**Aurora Not Visible, Its Absence
Being Attributed to Atmospheric
Conditions.**

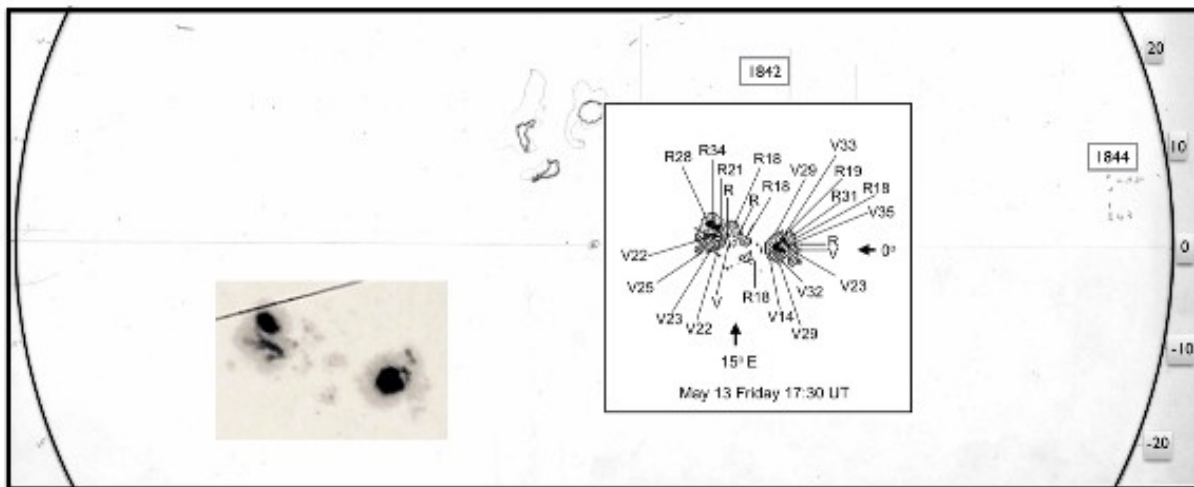
Copyright, 1921 by The New York Times Company
By Wireless to THE NEW YORK TIMES.

PARIS, May 17.—The disturbance which interrupted telegraphic transmission in the United States last week has been making itself felt also in

They didn't know it at the time, but those newspapers were covering the biggest solar storm of the 20th Century. Nothing quite like it has happened since.

It began on May 12, 1921 when giant sunspot AR1842, crossing the sun during the declining phase of Solar Cycle 15, began to flare. One explosion after another hurled coronal mass ejections (CMEs) directly toward Earth. For the next 3 days, CMEs rocked Earth's magnetic field. Scientists around the world were surprised when their magnetometers suddenly went offscale, pens in strip chart recorders pegged uselessly to the top of the paper.

And then the fires began. Around 02:00 GMT on May 15th, a telegraph exchange in Sweden burst into flames. About an hour later, the same thing happened across the Atlantic in the village of Brewster, New York. Flames engulfed the switch-board at the Brewster station of the Central New England Railroad and quickly spread to destroy the whole building. That fire, along with another one about the same time in a railroad control tower near New York City's Grand Central Station, is why the event is sometimes referred to as the "New York Railroad Superstorm."



A photograph (Royal Greenwich Observatory) and sketch (Mount Wilson Observatory) of sunspot AR1842 on May 13, 1921. Source: "[The extreme solar storm of May 1921: observations and a complex topological model](#)"

What caused the fires? Electrical currents induced by geomagnetic activity surged through telephone and telegraph lines, heating them to the point of combustion. Strong currents disrupted telegraph systems in Australia, Brazil, Denmark, France, Japan, New Zealand, Norway, Sweden, the UK and USA. The Ottawa Journal reported that many long-distance telephone lines in New Brunswick were burned out by the storm. On some telegraph lines in the USA voltages spiked as high as 1000 V.

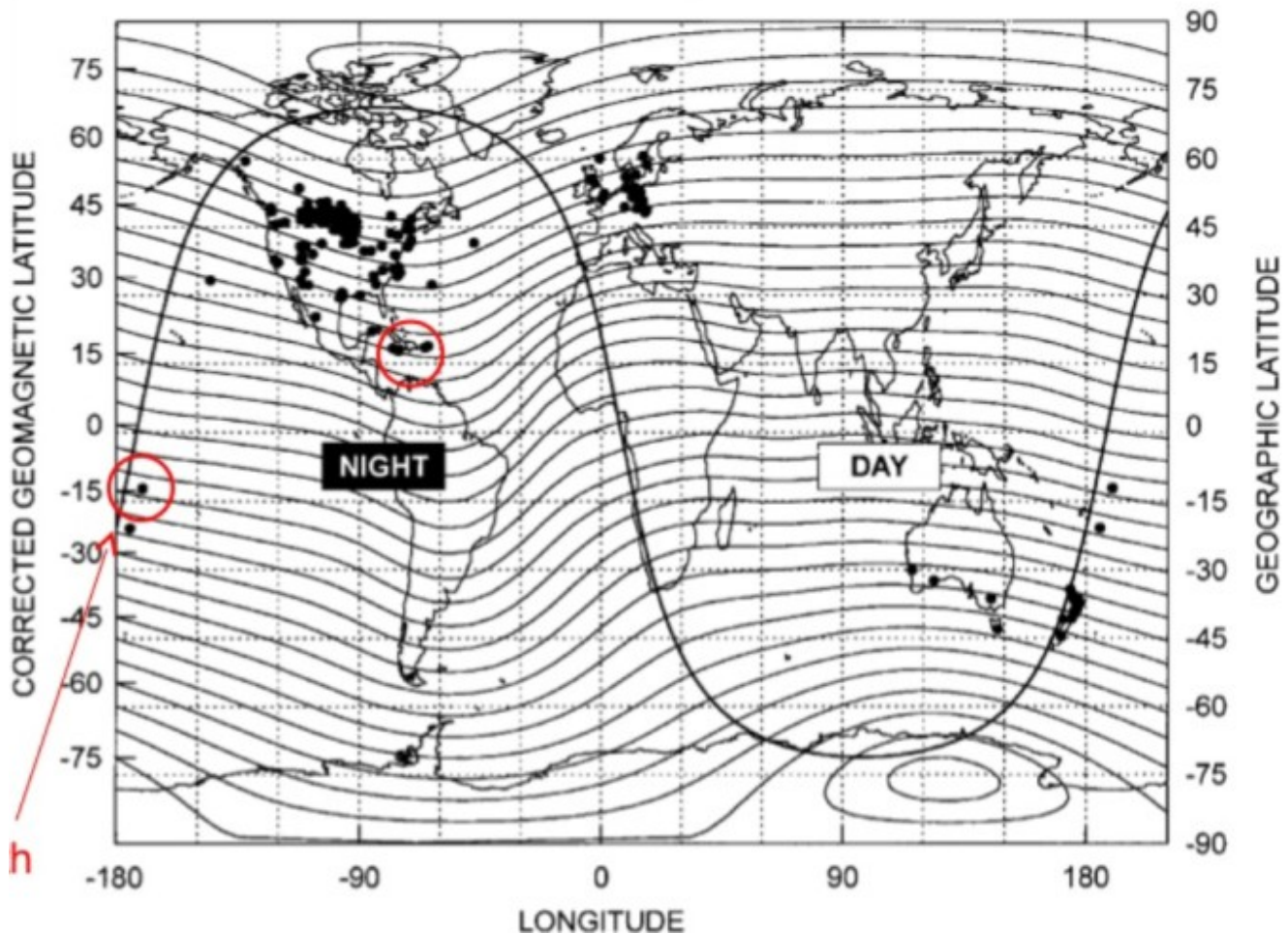
During the storm's peak on May 15th, southern cities like Los Angeles and Atlanta felt like Fairbanks, with Northern Lights dancing overhead while telegraph lines crackled with geomagnetic currents. Auroras were seen in the USA as far south as Texas while, in the Pacific, red auroras were sighted from Samoa and Tonga and ships at sea crossing the equator.

What would happen if such a storm occurred today?

Researchers have long grappled with that question—most recently in a pair of in-depth papers published in the journal *Space Weather*: "[The Great Storm of May 1921: An Exemplar of a Dangerous Space Weather Event](#)" by Mike Hapgood (Rutherford Appleton Laboratory, UK) and "[Intensity and Impact of the New York Railroad Superstorm of May 1921](#)" by Jeffrey Love (US Geological Survey) and colleagues.

The summary, above, is largely a result of Hapgood's work. He painstakingly searched historical records including scientific journals, newspaper clippings, and other reports to create a moment-by-

moment timeline of the storm. Such timelines are invaluable to emergency planners, who can use them to prepare for future storms.



Locations where auroras were sighted in May 1921. The leftmost red circle marks Apia, Samoa.

Jeffrey Love and colleagues also looked into the past and—jackpot!—they found some old magnetic chart recordings that did **not go offscale** when the May 1921 CMEs hit. Using the data, they calculated “*Dst*” (disturbance storm time index), a measure of geomagnetic activity favored by many space weather researchers.

“The storm attained an estimated maximum $-Dst$ on 15 May of 907 ± 132 nT, an intensity comparable to that of the Carrington Event of 1859,” they wrote in their paper.

This dry-sounding result upends conventional wisdom. Students of space weather have long been taught that [the Carrington Event](#) ($-Dst = 900$ nT) was the strongest solar storm in recorded history. Now we know that the May 1921 storm was about equally intense.

If the May 1921 storm hit today, “I’d expect it to lead to most, if not all, of the impacts outlined in the [2013 Royal Academy of Engineering report](#) led by Paul Cannon,” says Hapgood. “This could include regional power outages, profound changes to satellite orbits, and loss of radio-based technologies such as GPS. The disruption of GPS could significantly impact logistics and emergency services.”

It’s something to think about on the 99th anniversary of a 100-year storm....

Links for Kansas Hams!

ARRL Main Page	http://www.arrl.org
ARRL KS Section News Page	http://www.arrl.org/Groups/view/kansas
ARRL Midwest Director's Newsletter	http://www.arrlmidwest.org/newsletter/newsletter.pdf
Kansas Section Pages and KAR's	https://ksarrl.org
Mo-Kan Regional Council of ARC Orgs	https://mokancouncil.org/
Associated Radio	https://www.associatedradio.com/home.php
Kansas QSO Party	https://ksqsoparty.org/
Ensor Museum	http://www.ensorparkandmuseum.org
K-Link Repeater Network	http://ks0lnk.net
Sand Hills Amateur Radio Club, Inc	http://www.SandhillsARC.com

Links to all known Kansas Clubs can be found at the bottom of <https://ksarrl.org>
If you change your Clubs web address, please contact Kent at kb0rwi@arrl.net



S.A.T.E.R.N.

Salvation Army Team Emergency Radio Network

<http://satern.ksarrl.org/>

Net Reports provided by Richard, KØRCJ

Wichita Amateur Radio Club (WARC)

4 Sessions, QNI: 135, QTC: 0

WARC Fusion nets

4 Sessions, QNI: 31, QTC: 0

QCWA

4 Sessions, QNI: 32, QTC: 0

Reno County KS ARA (RCKARA)

4 Sessions, QNI: 64, QTC: 0

WARC DMR nets

4 Sessions, QNI: 39, QTC: 0

Great Salt Plains ARC (GSPARC)

4 Sessions, QNI: 56, QTC: 0

KS SSB and Phone Nets

51 Sessions, QNI: 885, QTC: 48

KØRCJ

PSHR: 1:40 2:40 3:30 4:0 5:0 6:50 TOTAL: 160

Supporting Our Veterans - Honorably Discharged
S*M*A*R*T - Special Military Active Retired Travel Club

*KCONDG Sherwin
or SARG; EX-K102 1960 to 1987
or TOP, 1SG ; Army USAR, Retired 1951 to 1987 --- final discharge 1994*

God Bless those who have served this great country AMERICA

Proud Military Veteran

SEEING THE COUNTRY WE DEFEND

SHERWIN & DOROTHY STIELOW

**All Veterans Encouraged to Register At A VA Hospital,
VA Hospitals Will Get Financial Credit**

At the VFW district 6 monthly meeting, all veterans are encouraged to register at a VA hospital. VA hospitals will get financial credit, which helps other veterans. There are several veterans that don't like hospitals or because they don't have a disability or just don't get sick or don't want to be a dependent to the government. The VA & VFW want to get the information out that veterans need to get over that stereotype & register with the VA hospitals. There are many benefits available to veterans at the VA, free examinations, eye glasses, hearing aids & many more including therapeutic help. Thank you for you help to get the word out.

N0SLJ

VFWPost8220/VFW District 6 Jr. Vice Commander

Rod Brown

Western Kansas 160m Net. Tuesdays at 9:00PM Central Time

The Western Kansas 160m net is held every tuesday evening at 9pm central time on 1.960 LSB. All general class and above stations are welcomed to join in.



Silent Keys

As a service to fellow hams across the state, I urge all individuals and Clubs to send me Silent Key notices. Please include a link to an obituary. I watch Larry's List for announcements of hams from Kansas. If you are not on Larry's List, I will forward the notice to him. He in turn notifies the ARRL. As Larry cannot include pictures, I do my best to find images so that a face can be put with the name

and call. Thank you!

Dr Alan C. Hancock, WØSED

Dr. Alan C. Hancock, 84, of Kansas City, Kansas, died Friday, April 17, 2020 at NorthCare Hospice House.

Dr. Hancock was born September 24, 1935, in Burr Oak, Kansas, the son of Albert Clell and Gertrude Allen (Miller) Hancock. Dr. Hancock received his Bachelor's Degree from Friends University in Wichita in 1960 and a Medical Degree from the University of Kansas in 1964. He did a rotating internship at Bethany Hospital from July 1964 to July 1965 and a Radiology residency from July 1965 through May 1966. Dr. Hancock took over a solo general practice in Kansas City Kansas in May of 1966. He semi-retired and closed his solo practice and started working as a part-time physician in Urgent Care at Heartland Primary Care in April of 2009.



Alan C Hancock, WØSED

In 1966 Dr. Hancock became a Deputy District Coroner for Kansas Judicial District 29 in Wyandotte County and in 1981 he became the District Coroner for Wyandotte County a position he still held at the time of his death.

Dr. Hancock was very active in many organizations and still held membership's in the American Academy of Family Practice, the Kansas Medical Society, and the Kansas City Medical Society. Dr. Hancock was a FAA Designated Aviation Medical Examiner, served on the Board of Directors at Wyandot Mental Health Center, was the Medical Director for KARE, the previous KCKFD ambulance service, President of the Kansas Coroner's Association, served as Chairman of the Department of Family Practice at Providence-St. Margaret Hospital, and Chairman of the Wyandotte County Medical Society EMS Committee.

Dr. Hancock was appointed Deputy Sheriff of Wyandotte County, served as Wyandotte County Jail doctor in the 1970's and was one of the sheriff deputies that tried to start a Wyandotte County Sheriff Aerial Search Department.

In the 1960's and 70's he served as a Captain and Medical Doctor in the United States Air Force Reserves. Dr. Hancock was an avid Ham Radio Operator and a member of the Jayhawk Amateur Radio Society, with the handle of WØSED.

Dr. Hancock is survived by his wife of 63 years, Phylis Ann Anderson Hancock, 2 daughters, Margaret and Susan Hancock. Grandchildren are April Hancock-Oswald, April Bernthal. Ethan Bernthal, John Studyvin and Kayt Studyvin. Great-grandchildren are Tyler Oswald, Clayton Oswald and John Alan Studyvin, Jr.

Dr Hancock's family suggests memorial contributions be sent to SAFE, which is for the families of law enforcement officers that fall in the line of duty in Kansas City, Kansas, Edwardsville, Bonner Springs, and the Wyandotte County Sheriff's Department or to the United Way of Wyandotte County, both in care of the Porter Funeral Home.

<<https://www.porterfuneralhome.com/ObituaryDetails.aspx?id=60008&Name=Dr. Alan C. Hancock>>

Donald Ernest Langston, KEØQB

Donald Ernest Langston, 87, of Nortonville, KS, passed away Saturday, May 2, 2020 at his home . He was born May 17, 1932 in Topeka, KS, the son of Ernest G. and Pearl J. (Stanley) Langston.

Graveside Service with Military Honors will be 1:00 p.m. Wednesday, May 6, 2020 at the Valley Falls Cemetery. Donald will lie in state on Tuesday, May 5, 2020 at the Mercer Funeral Home in Valley Falls and until noon on Wednesday. Memorials may be given to the Jefferson County Friends of Hospice. Due to the critical situation our country is in, please remember the families during this difficult time and consider sending a card of condolence or posting on our website. Mercer Funeral Home, P.O. Box 270, Holton, KS 66436.

<https://www.legacy.com/obituaries/cjonline/obituary.aspx?n=donald-ernest-langston&pid=196133511>

KANSAS HF NETS				
UPDATED November 6, 2019 11:19				
Days	Time	Mgr	Freq	Net Name
M, W, F	6:45AM	KØRCJ	3920 KHz	Kansas Phone Net
Daily	7:00AM	WDØBWE	3920 KHz	Kansas AM Weather Net
Sat, Sun	8:00AM	KØRCJ	3920 KHz	Kansas Phone Net
Mon -Fri	12:30PM	KC5MP	7253.5 KHz	Central States Traffic Net
Daily	6:00PM	WDØBWE	3920 KHz	Kansas Weather Net
Daily	6:30PM	KØRCJ	3920 KHz	Kansas Sideband Net
Daily	7:00PM	NB0Z	3547 KHz	QKS CW NTS Traffic Net
Mon	7:30PM	WD0ESF	3547 KHz	QKS SS CW Traffic Net
Daily	10:00PM	NB0Z	3547 KHz	QKS CW NTS Traffic Net

I have posted public service nets on <https://ksarrl.org/traffic.php>
 My apologies to Don Morris WDØBWE for having his call posted wrong

Southwest Kansas Hams Set Up a NVIS Experiment

On Sunday May 3 myself Jim AC0E, Shelly, Matt KD0EZS and Madeline KE0QJH met at Lake Scott State Park to deploy a HF station to experiment with NVIS for local/ regional HF communications. We deployed a multiband doublet dipole at about 15' with a Icom 706 with battery/solar pwr. At 2 PM local I made contact with Mike K0FJ in Colby which is approximately 80 miles. I was running 20 watts and K0FJ gave me a S-7 signal report. Mike was S-9 at my location. As the pictures show we were we're pretty much in a canyon with rock walls all around us. At this point in the solar cycle 60, 80 and 160 meters are the only bands usable for NVIS. I use https://www.sws.bom.gov.au/HF_Systems/6/5 to check what bands are usable for NVIS at any given time. I would like to make this an annual with more stations in the Kansas region where everyone is using NVIS antennas to see how this would enhance statewide HF communications as the OHIO ARES does every year <http://arrl-ohio.org/SEC/nvis.html> It is a great way to enjoy a day at the park and play ham



radio.



ARES – Amateur Radio Emergency Service



Complete list of ECs and a printable State ARES map <https://ksarri.org/ares/>

<https://ksarri.org/ares/alphaks.php/>

<https://ksarri.org/ares/distks.php>

AMATEUR RADIO EMERGENCY SERVICE MONTHLY EC REPORTS

◆ Zone 4A – Brian KCØBS

APRIL MONTHLY ARES REPORT TO DEC & SEC

Total of ACTIVE ARES members: 150 +0

Local Net Name: Johnson County ARES

Emergency Coordinator = Brian Short KC0BS 913-638-7373

Alternate Emergency Coordinator, Recruiting = Jim Andera K0NK 913-884-6613

Assistant Emergency Coordinators:

Herb Fiddick - ECS Liaison

George McCarville WB0CNK - Training, Drills

Matt May KC4WCG - IDs, MECC

Bill Gery KA2FNK - Recruiting, Technology

Darren Martin N0MZW - Net Manager

Brad Kelsey KU0FAN – Membership

Jesse Gonzalez KE0ECS – CERT

Chuck Simpson K0NUG - Rapid Response

Jim Andera K0NK - KCHEART

NTS liaison is maintained with the KS SSB Net:

Jim Andera K0NK

Terry Reim WA0DTH

George McCarville WB0CNK

Jim Cordill K10BK

Debbie Britain AB0UY

Rich Britain N0ENO

Net Sessions: 47

QNI: 315

QTC: 0

4 nets - 2 Meter Voice

5 nets - 440 Voice

5 net - 440 Fusion Digital

4 nets - 2 Meter SATERN Voice

5 nets – CW

4 nets - 6 Meter

4 nets - 2 Meter Voice Simplex

4 nets - PSK 31 SATERN

4 nets - APRS Packet

4 nets - 1.25 Meter

4 nets - SATERN 80 meter SSB

Report prepared by:

Darren Martin N0MZW

Johnson County Kansas

◆ **Zone 1B – Kevin, KSØEGL**

Zone 1B - April 2020

Net Sessions: 4

QNI: 51

QTC: 0

Members: 19

Total Person hours: 8:01

Kevin Oneslager, KSØEGL

◆ **Zone 6A, E & G – Rod KØEQH**

Kansas ARES Net zones 6A E & G report April 2020

Total Nets.....4

Total QNI.....36

Stations participating...WB0QYA, AC0E, N0KQX, N0OXQ, KG0VA, N0OMC, KD0TWO, K0CXD, KD0LQD, W7HLM

We welcome Cris, K0CXD, (new licensee, formally KE0ZYS) also Blair W7HLM and his XYL Maria K7PNO to the crowd.

Rod KØEQH

NCS

Finney, Grant, Gray, Greeley, Hamilton, Haskell,
Kearney, Lane, Scott, Stanton, Wichita Counties

The Sand Hills ARC held it's April and May meetings with a 'virtual' gathering utilizing on the air

participation. Using the SHARC 2 meter network linked to the SPECT UHF network we had 11 members join us for the 'on-the-air meeting'. Discussion was around VE testing and the participation in Field Day 2020. It will probably be a combined effort of individual stations operating independently to produce a club effort for Field Day. VE testing will be an item our VE team is working on.

Jim, ACOE discussed his experiments with 'on the ground' low band antennas and Gerald, KG0VA gave us an update on the latest version of his 'go box' and his plans to utilize it for Field Day. James, KD0LQD said he was working on getting his digital modes working and will give an update at next meeting.

Rod
K0EQH



A banner with a blue background. On the left is a portrait of Tom, a man with white hair and a mustache, wearing a dark sweater over a light shirt. To the right of the portrait, the text reads: "Tom's Key Strokes - W0EAJ", "Denver, Co. Displaced Kansas Neighbor and very gud friend!", and "radio@daileyservices.com". On the far right is a circular logo for "UNITED STATES NAVAL COMMUNICATIONS" featuring a globe and an anchor.

<http://www.copperwood.com/carlandjerry.htm>

Back when most of us read REAL PAPER publications, instead of something made out of liquid crystals or electron beams shot at the back of a cathode-ray tube, there was ELECTRONICS ILLUSTRATED magazine, which along with CQ, QST, Ham Radio, and several others including POPULAR MECHANICS even, had regular columns & stories. In "EI", there was one that featured a mythical pair of guys named Carl & Jerry, who frequently found themselves involved in solving some kind of situation or problem, that involved troubleshooting, THINKING, and electronic "detective work".

Remembering that this was an era of where "The GOOD guys won, the bad guys lost, and the hero always got the girl", the stories appeared monthly for 10 Full Years, beginning in EI's first issue in 1954. (I was 11 years old then, and coincidentally, the same age as Jeff Duntemann... the guy who put this site together was, when he (and I) discovered the stories.

America was still "Electronically Excited", and a myriad of young and old alike, discovered what you could do with a handful of "junkbox" parts, or a few precious NEW things, bought from your local (or far away) electronics store or supplier. All manner of projects (in addition to ham radio) were written up in these magazines, with photos and often pen & ink drawings which.. like Heath, Knight, and Lafayette kits, even showed how wires were run (so you had no excuse for screwing up... when you DID). Heathkit was in it's early days, what with the AT-1 transmitter appearing in

B & H SALES

Amateur Radio Equipment

Alpha Delta accessories, ARRL publications, Comet Antennas, Hustler, LDG Electronics Equipment, MFJ, Tram, Wilson, W5YI Study materials

*Power Supplies and much more!
New and Used Equipment*

**B & H Sales
707 N. Baltimore
Derby, Kansas
(316) 788-4225**

Visit us online at www.hamradiocenter.biz
Email: derbyradioshack@cox.net

1951, and starting a revolution in what could be done with a kitchen table, basement, and a long weekend... coupled with a soldering iron and basic reading skills! HI HI HI.

Inevitably, the neighbors would find out about "that radio guy" (yeah, and a few girls too), and one of several things would happen – Blame poor television reception and interference (TVI) upon them, OR... beg them to fix their "All American Five" AM radio... sometimes, both! Ahhh, but occasionally, folks would see a real ham's "shack", and be smitten with the luxurious smells emanating from the wrinkle paint, burned dirt atop the tubes, capacitor wax, all mixed with the heady perfume du'jour of warm resistors and coil dope (THAT was legal)... and want to be a part of it.

As we all have either learned or been counseled, things don't always work... or work the way they should. *Dailey's First Rule of Electronics* (blatantly plagiarized from one of my first professors in AC theory) was... "**Electronics is all accomplished with Black Magic and Voodoo... and has NOTHING to do with physics!**" ...and yes, you may quote me... and YES, it really is MINE. As such, we discovered early on, that when stuff "crapped out", we needed to study up on what to do, OR run to "the radio guy" (no offense, Ladies) to hopefully get some insight as to HOW to figure out what was wrong and HOW to fix it.



That was the basis of all the Carl & Jerry stories... a nice ladle of adventure, mixed with some "suggestion" of how to actually incorporate LOGIC into your story-reading and troubleshooting techniques.

It was from those early magazines, that I became inspired to purchase my first Japanese multimeter for the princely sum of \$7.95. Man, it was like having the engineering lab at MIT, right there in my hand! Lucky for me the meter movement was fairly 'robust'; otherwise, I'd have had the needle roughly approximating a hand-wound spring wrapped around a post, as I'd often underestimate the voltage potential that I was gonna'

measure, and have it on the wrong range.

For those of you who ALSO have hair color of my shade... or little hair... or NO hair, you'll directly remember ELECTRONICS ILLUSTRATED and others, and no doubt, the Carl & Jerry stories... they guy who wrote them – John T. Frye, spent his entire life in a wheelchair, having gotten polio when he was but a year-and-a-half old [It was common in my childhood, to not see classmates from last year, upon returning to school in the Fall... and finding out that some of them were in "iron lungs"... thank you Doctor Jonas Saulk... thank you!]. As our "World" deals with self-isolation and genuine danger from yet another World Class disease wave, and we find ourselves wondering what to do NEXT, to occupy our minds... take a look at the C&J stories... and just for a bit... you'll forget troubled times, and remember when...

Dit dit - Tom