

From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

WE'RE HOPING TO MEET YOU AT DUNKIRK...The scenic foothills of the Appalachian Mountains in western New York State is the place to be for FM and TV DX enthusiasts on August 5th, 6th, and 7th. Once again this year, veteran TV DXer Bob Seybold is hosting your club's annual gettogether, and it should be one of the best ever. One of the highlights will be a tour of Erie, PA's WOLN FM and TV studio-transmitter complex. Bob emphasizes that you will have to arrive early to go on this tour; the group will leave Dunkirk shortly after meeting at 9 a.m. on the 5th. Those arriving later in the day will miss the tour—but most convention activities will take place on late Friday and Saturday. Up-to-the-minute info, including a tentative schedule of activities and a map, can be obtained by sending a self-addressed stamped envelope to W.T.F.D.A. HQ above. Check page 36 for more details. Hurry—Bob needs to hear from those planning to attend by July 27th at the very latest.

HELP WANTED...We are always looking for volunteers to type up material for the VUD. Additionally, we have a couple of columns that are in need of editors. If you think you can help your club, why not drop us a line. We can use a few more volunteers as enthusiastic as the ones who are already doing columns and features for the VUD.

MORE ON THE TX-11...We have had much response to the review of the Carver TX-11 that appeared in the June issue. One important piece of information we neglected to include is the price of this super tuner. Currently, it retails for \$549 in the U.S., and we have heard that it can be found discounted to as low as \$450. There are said to be more than one version available, but the one we reviewed is currently the one that is generally available. Next month, a special FEEDBACK section will have more on the reaction to the Carver, and how it has been rated in comparison to new units by NAD, Pioneer, and McIntosh. With some radical new FM tuner designs hitting the market, things are moving rapidly now!

GOT YOUR T-SHIRT YET? Hurry, because response has been enthusiastic—see page 39 for ordering info. Incidentally, any profit made from sales of this item are going to W.T.F.D.A. courtesy of your editor-in-Chief.

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This month's cover by Dave Nieman.

SPECIAL REPORT CHANNEL A2 F₂ SKIP AGAIN!

YES, Ch A2 F₂ AGAIN...

Tuesday, May 24, 1983: (Ø=137; A(Bo)=52; K(Bo): 3,4,4, ,3,4,7,7)
A(Fr)=58; K(Fr): 4,4,3,2,4,6,7,7)
A(An)=88; K(An): 5,5,4,4,4,8,8,5)

Central Standard Time used

The morning had produced some 50-MHz 2Es into the Caribbean with Es MUF's in the 89-MHz range into Mexico.

With the initial 1818z WWV announcement that A(Bo)=35 and K(Bo 18z)=7 I quickly figured that things deserved to be watched very closely.

There was some evidence by 1330 that 28-MHz had aurora to the Ottawa beacon, VE3TEN (28.174 MHz) and maybe some Es-linked Au on 50-MHz. (Too much Es still on the TV to tell.)

This was soon followed by a rapid increase in the F2 to the US ne on 10-m (TV Es out by 1355).

By 1414 Trinidad in on 50-MHz F2, followed quickly by Venezuela, Colombia and other Carib. areas with much intense US F2 backscatter. I set up my vigil on Ch 2 to the southeast.

1447, Ch 2 very rapidly in with F2
1451, Philips electronics ad with shield logo
1454, photo taken
1510, resolution bar pattern
1459, another photo taken
1517, ditto
1525, credits being rolled
1539, going fast
1543, nil left

(Photos were with Pentax K-1000, Tri-X, 50-mm standard lens, f/16, 1/8 sec)

At times there was evidence of at least two stations. However, the same old story prevailed - MUF did not get to the audio and the complex multi-path F2 ghosting made even the large, high-contrast titles, etc. impossible to figure out. (Again, the freeze-frame capability of a VCR would be invaluable in permitting a reexamination of the best candidates to decipher.)

With this event we now add yet another month to the list of those in which I've seen Ch A2 F2-skip appear.

An opening of this magnitude is confounding at this time of the year. By now that layer is supposed to be expanding (due to the heating of the longer days) and thus lowering its electron densities in general. Magnetic storms can often be thought of as simply redistributing the total electron count by enhancing the local densities in certain areas while depleting them in others.

Mr. Pat Dyer, WA5IYX
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FM NEWS

New FM Stations Authorized

AR Mountain Home 105.5 1130 h.v.; 480'
 GA Blakeley 93.5 3000 h.v.; 300'
 IL Farmer City 98.3 3000 h.v.; 300'
 IN Versailles (ver-sailz) 103.1 890 h.v.; 510'
 KS Phillipsburg 92.5 10000 h.v.; 510'
 LA Worcester *91.9 7000 h.v.; 520'; gospel
 MN Breezy Point (just east of Pequot Lake)
 95.3 3000 h.v.; 300'

MO Mountain View 96.7 3000 h.v.; 300'
 OK Aroka - 103.1 1500 h.v.; 430'
 OK Woodward 102.3 3000 h.v.; 300'
 WV Hinton 102.3 3000 h.v.; 225'

Facilities' Changes

AZ Lake Havasu City KBBC from 95.9 to
 101.1 10000 h.v.; 1150'
 AR Van Buren KBCU 102.3 170' (3000 h.v.)
 CA Atherton KMAH *89.1-175' (100 h.v.)
 CA Dinuba KLTA 98.9 2200 h.v. (2340')
 CA Sacramento KXOA-FM 107.9 5000'
 h.v.; 460' (1410')

CA San Luis Obispo KCBX *90.1 4900 h.v./
 CA Ukiah KWNE 94.5 1800 h.v.; 1905'
 CT Westport WDJF 107.9 directional antenn.
 KY Hazard WGSF 101.1 1230'
 (10000 horizontal; 8800 vertical wets)
 KY Lexington WLAP-FM 94.5 10000 h.v.;
 640' 370'

ME Gardiner WABK-F; 104.3 50000 h.v./
 MA Gloucester WYCA 104.9 245' (3000 h.v.)
 MI Battle Creek WKFR 103.3 480' (50000 h.v.)
 MI Grand Rapids WFLR-FM 102.9 direction-
 al, null toward Muskegon--to prevent
 1 m/m overlap with sister station
 WABM 101.7 Muskegon Heights. Sur-
 prisingly, WFLR-FM does NOT null
 towards WIOB 102.9 Ann Arbor. [Or
 does the directionality they have help to
 prevent signal wastage over Lake
 Michigan?]

MT Billings KIDX 98.5 85000 h.v. (370')
 JK Vinata KITO 95.9 1750 h.v.; 380'
 PA Shamokin WSP1 95.3 900 h.v.; 505'
 SD Mitchell KMIT 105.9 62000 h.v.; 470'
 SD Sioux Falls KCFE *90.1 190' (150 h.v.)
 TX La ke Jackson KGDL from 107.3 to 107.5
 TX Sulphur Springs KD XE95.9 290' (30000 h.v.)
 WI Waukesha WMLI-FM* 106.1 13000 h.v.;
 980' 520'

WI West Bend WBKV-FM 92.5 19500 h.v./
 Call Letters Assigned or Changed

CA Anaheim 95.9 KEZY (KEZY-FM)
 CA Angwin *89.9 KCDs (KPRN) [FM]
 CA Shafter 97.7 KLYD-FM, not KLYD-F
 IN Greenfield 99.5 WZPL (was WKKS), *99.5
 FM, Indy's New Apple, WZPL.

ME Boothbay Harb or 96.7 WCME
 MD Annapolis 99.1 WLOM (WLOM-FM)
 MN St. Peter *90.5 KSCG
 OK Alva 104.7 KRKA
 WA Tacoma *80.9 KVTI (KPEC-FM)
 Slogans/NonIDs

GA Martinez WMTZ 94.3 2-94, k [strict]
 IA Cedar Rapids WMT-FM 96.5 96-FM /
 MD Baltimore WYST 92.3 92-Star
 MD Hagerstown WXCS 106.9 107-X
 MI St. Johns WCKX 92.1 K-92-FM (not
 strict), now k[country] music
 NC High Point WIMG 99.5 Magic 99.5 FM
 PA Ebensburg W1YQ 99.1 IY-Country
 PA York WBSA-F 103.3 Warm-103
 SD Sioux Falls KPAT 97.3 97-FM
 TX Lamesa KIOF 104.7 K-105

Formats/Networks

CA San Francisco KIO1 101.3 r, not rp
 CT Danbury WXCI *91.7 p, not pr
 IA Ames KEZT 104.7 m, not h, even though cal-
 ling selves "beautiful music"
 IA Harlan KNOD 105.5 k (still no \$Stereo)
 MI Ann Arbor WIOB 102.9 rp, no jazz
 MI Grand Haven WGHN-FM 92.1 m, still CBS
 MI Muskegon Hts. WABM 101.7 no network (was
 D as WKJR-FM)

MI Whitehall WRNF 95.3 Y (was NBC)
 NJ Bridgeton WSNJ-FM 107.7 mk
 NC Carlsbad KATK 92.1 k, "Cat Country"
 NY Poughkeepsie WSPK 104.7 r (not rp)
 OK Bethaven WKJA 92.1 Mutual (not Y)
 OK ADA KTFN-FM 93.3 k (from beautiful music)
 PA *Media WJAZ 100.3 m (not fm any more)
 PA Montrose WFEL-FM 96.5 UPI Audio)
 PA Philadelphia WMMR - 93.3 T (The Source)
 PA Wellsboro WNB-T-FM 104.5 Mutual
 PA York WXOA 105.7 Y-ABC Contemporary
 TX Amarillo KMMI 98.7 now k
 TX Colorado City (pronounced "Col-or-Ay-do")
 KAUM r, U-106 nonID

TX El Paso KTSN-FM 99.9 now beautiful, no rock
 TX San Angelo KGKL-FM 97.5 now k, no Spanish
 VA Fredericksburg WFVA-FM 101.5 Mutual
 VA Tazley WESR-FM 103.3 AP Audio (S)
 WI Plattville WKPL 107.1 m
 SCA (f 67 kHz)

CA Los Angeles KHOF 99.5 tE (Same as KR00-
 FM 106.7--said to be Russian)
 KMGG 105.9 tX

IL Freeport WXQX 98.5 t talking farm (tF)
 CA Woodlake KUFW *90.5 tX
 IA Creston KITR 101.7 tX, ABC Direction on ma-
 jor carrier
 IA Des Moines KGGG 94.9 tX
 IA Dubuque KFMD 92.9 tX
 IA Garnaville KCTN 100.1--has an interesting SCA
 consisting of AM station KADI or KABR 1400
 Elkader IA (tFM), never heard the AM calls
 clearly. Main carrier is "FM-100" (not strict), k
 IA Iowa City KRNA 93.9 tX, KRQQ 100.7 X,
 with KRQQ sounding like telemetry

MA Hyannis WCDD 106.1 no SCA
 NC Elizabeth City WMYK 93.7 tM ("nonstoprock")
 OK Oklahoma City KATT 100.5 no SCA
 KJYO 102.7 tX
 VA Norfolk WNOB 98.7 no SCA (was music)
 WI Monroe WEKZ-FM 93.7 tX

Broadcasting Stereophonically

IN Richmond WECL *89.7 (still on 91.5 with 10 w)
 IA Cedar Rapids (GJC *E8.7, s
 IA Osceola KJJC 107.1 k, "Double J Country,"
 MA Boston WUMB *91.9 jr, folk, no SCA
 MO Ferguson KCFV *89.5
 OK Lawton KMGZ 95.3
 WI Dodgeville WDMF-FM 99.3

No Longer Stereo

PA Lock Haven WBPZ-FM 92.1, now kr
 PA South Williamsport WMPF-FM 99.3
 FM ATLAS Errors
 AZ Tucson KXCI *91.7 not on p. 103--3000h.v./
 IL East Moline WLLR 101.3; wrong call letters on
 maps, pp. 38n and 45
 MS Meridian (p. 31) WMAW should be 88.1, not /
 OK Frederick KYBE listed in Station Directory
 (part I) as *95.3, not 95.9, now rock frm

Back on the Air SA Bellegarde is in SE, not
 the north central part of the
 province
 MO St. Louis KBDY *89.9 "not sure of schedule"

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Contributions welcomed!

On Air With More Power (Selected)

IL Cahokia WRTF *89.5 now 100 (horiz.), 5 feet
 IL Godfrey WLCA *89.9 now 700 wets h.v.; 175'

Off The Air

NE Aurora KIAE 103.1--said to be because of
 equipment difficulties, but off now over three weeks,
 which makes me suspect financial reasons.

Readers' Reports & FM Industry News

Long-awaited FCC docket 80/90 has been approved,
 which will mean far more FM stations, such as Class A
 on B-C channels, and Class B stations in Class C
 territory. Look for this column to get busier, with
 more stations authorized (1,000 or more) than now
 possible.

New SCA rules, too, have come about, such as
 increasing the FM baseband to allow for a 92 kHz
 subcarrier (see 8th ed. FM ATLAS, p. 8). Now FM
 stations can do teletype, paging, etc., even during hours
 when the main channel is silent. If you hear strong FM
 station carriers when you DX, it may be because of all-
 night SCA activity. Main carriers are supposed to iden-
 tify hourly, however. The FCC apparently did not
 address the matter of allowing variable-tuning FM-SCA
 radios, as General Electric and Family Stations, Inc.
 asked them to.

KEZH 93.5 Hastings apparently has FCC OK to
 build a 700' tower and go to 101.5 with 100 kw, but
 nothing official seen on this aspect.
 KTLT 93.9 Dodge City KS is having trouble with
 some right-wing preachers. Paul Gaines sent an article
 on this, and it was in all the trade press. It can barely
 tune them in here, and have yet to hear the offensive
 programs, if indeed they are still on the air. A chal-
 lenge to them has come from a local group which wants
 the frequency.

And in Albermarle NC Victor Bestig, is challenging in
 court WABZ's program duplication with AM station
 WWWZ. They want it proved that duplication wastes
 spectrum, and they want to be allowed to take over
 WABZ's frequency as a new, non-duplicating operator.

Phil Boersma said Muzak is going all-satellite by the
 late 1980's, which might mean less SCA music, if true.
 WRVU *91.1 Nashville has hopes of going to 4400
 wets, according to a letter to Ralph Strobel.
 An article sent from NJ showed how the Philadelphia
 FM stations are now basking in riches, and how they
 use consultants to help them program, taking away the
 liberties of many DX's.

Deregulation is coming to Canada with the CRTC
 now giving FM stations more liberty as to what
 they decide to play. And there will be community
 FM stations allowed, with commercials. Some of
 these could be student stations, but apparently not
 churches or religious groups with preaching stations.

Quite a few people have commented on my article
 on the FM stations of Monterey which appeared in
 RADIO WORLD newspaper--especially from engineers
 from border town FMs, such as KVMV 96.9 Mc Allen
 TX and KHNOE 91.3 Nuevo Laredo. And an article
 just published in POPULAR COMMUNICATIONS (6-
 83) on building your own FM translator.

KVSC *88.1 St. Cloud MN has reduced its power
 from 5 kw to 1,300 w to help eliminate TV inter-
 ference; not sure if this is temporary or not.
 Knocked off the air by vandals is WSBW 100.1 in
 Sturgeon Bay WI, when its tower guys were cut.
 Warren Bird, 25 Stoneridge Place, Durham NC 27705
 bought a NAD 4150 tuner and is impressed! He'd like
 to sell his old Marantz Model 20 which works fine, but
 whose lights and oscilloscope display is inoperative.
 Seeking engineers, PO Box 01, Champaign IL
 62305 has come out with a new indoor circularly
 polarized FM antenna which mounts on the wall.
 A "WSPF at 100 MHz" in Philadelphia has been
 shut down by the FCC. Wilmington NC is working
 hard to get public radio, probably 100 kw on "91.3."

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TELEVISION NEWS

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RETROSPECT

I'm temporarily straying from the current
 theme, "the early years of TV DX," in order
 to publish this report on channel 37. I did
 not expect to have this report done for some
 time, but cooperation from from sources in
 the science community and the government to
 whom I requested information was unusually
 good. I wish commercial enterprises were
 that responsive in sending information.
 Research from periodicals and old copies of
 the Federal Register were also easily ob-
 tained. After this report, which will take
 two or three months, I will return to the
 current theme, with comments from old time
 DX'ers, more insight into the June 5, 1958
 DX discovery, and the origins of translators
 and low power boosters. Again, I invite
 comments from those of you who have been
 DX'ing the VHF bands in the early fifties or
 earlier.

GOODBYE, CHANNEL 37.

Here in the United States, everybody has
 noticed the absence of channel one on the
 television set. Less obvious is the gradual
 disappearance of channels 70 thru 83, as that
 frequency range is being handed over to land
 mobile. A small number of broadcast stations
 in Canada are in the process of changing
 to a lower channel.

and the number of translators in the United
 States, while many, is gradually decreasing
 as they, too, change to a lower channel.
 Future television set manufacturers will not
 be required to include those upper channels
 on their products. But while those channels
 are being eliminated, there is one channel in
 the middle of the UHF dial that does not
 exist, and hasn't existed for a good many
 years: channel 37.

Although nobody will ever get to see Star
 Wars being broadcast on channel 37, scien-
 tists are constantly tuned to the channel,
 listening to radio signals that were trans-
 mitted, "a long time ago in a galaxy far, far
 away." Not for communications from Imperial
 Star Destroyers or Tie Fighters, but ordinary
 radio noise, with receiving antennas called
 radio telescopes, some of which are several
 hundred feet long.

THE ORIGINS OF RADIO ASTRONOMY

Back in 1932 Karl Jansky, an engineer for
 Bell Laboratories, investigated the cause of
 radio noise that was interfering with long-
 distance communications. He soon learned
 that the intensity varied with a pattern that
 repeated itself every 23 hours and 56 min-
 utes, a period of time very familiar to
 astronomers. It's called a sidereal day, and
 is the amount of time it takes for the earth
 to make one complete rotation on its axis as
 seen from a fixed point outside the solar
 system. It was later learned that the source
 of thenoise was the center of the milky way
 galaxy.

Research into radio noise was off to a
 slow start in the years

following Jansky's discovery. It wasn't until 1954, when Australian and British astronomers were able to sharpen radio images by interferometry, that radio sources were pinpointed and found often to be associated with optical galaxies. The success of interferometry led to a sudden rise of interest in radio astronomy as a tool to learn more about the universe. But with the increasing use of the radio spectrum for radio, astronomers foresaw the importance of reserving certain frequencies for radio astronomy and protection of those frequencies from interference.

SEEKING FREQUENCY ALLOCATIONS

In early 1955 the Interdepartment Radio Advisory Committee, a government agency involved with use of the radio spectrum by U.S. government agencies, asked radio astronomers what frequencies should be set aside for their work. With a lack of communications from among themselves, each group gave its own preference, and a total of 4 GHz of bandwidth was suggested. At about the same time the FCC, aware of the need to take action to protect radio telescopes from interference, issued a public notice, soliciting comments from the radio astronomers on their needs.

The FCC consulted with the Interdepartment Radio Advisory Committee and, in June, 1956, proposed the establishment of a protected zone around the newly established National Radio Astronomy Observatory at Green Bank, West Virginia, and the Naval Radio Research Observatory at SugarCove, West Virginia. Response to the proposal was favorable, and a "quiet zone" extending about a hundred miles from the observatories was established on November 19, 1958 to prevent interference from nongovernment radio. The IRAC also enforced this quiet zone with respect to government radio operators.

The International Radio Consultative Committee, a branch of the International Telecommunications Union, held its Ninth Plenary Assembly at Los Angeles in April, 1959. The needs of radio astronomy were discussed at that meeting. It was explained at that meeting that there were two basic sets of spectral needs, based on the two different types of radio spectra to be observed.

One type of spectrum involves spectral lines produced at certain wavelengths by certain atoms and molecules. Monatomic hydrogen, for example, emits radiation at 1420.1 MHz. Allowing for slight doppler shifts, a band from 1400 to 1427 MHz would be required to detect and measure hydrogen in space. Certain other frequencies were suggested for other elements and molecules which scientists believed could be detected in space.

The other type of spectrum is continuous, and is produced by random encounters between a and a magnetic field produced by a plasma. The electron is constantly diverted and accelerated in the plasma, and each change in the electron's motion causes a burst of electromagnetic radiation which could appear at any wavelength. The radio emissions from the plasma cloud cover a wide spectrum of wave-

lengths rather than a particular set of spectral lines.

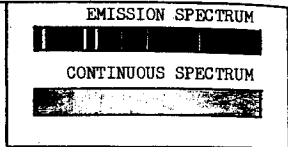
Unlike observations of spectral lines, no specific frequency is required for observing a continuous spectrum. But according to the scientists the best results can be obtained by observing a series of frequencies with approximate octave relationships throughout the radio spectrum.

Octave relationship can be best illustrated on a piano keyboard. Beginning with a white key, count each successively higher white key until you reach the eighth white key. That eighth white key is twice the frequency of the first key. The fifteenth successive white key would be twice the frequency of the eighth, and four times the frequency of the first. These keys would have octave relationships. Unlike harmonics, which are multiples of a certain frequency, octaves are factors of two.

Beginning with 40 MHz, successive octaves would be 80 MHz, 160 MHz, 320 MHz, 640 MHz, 1280 MHz, 2560 MHz, 5120 MHz, and 10,240 MHz. For more efficient use of the radio spectrum 320 MHz could be replaced by the 322-329 MHz band designated to observe the 327.4 MHz spectral line of deuterium. The 1400-1427 MHz hydrogen band and the 1645-1675 MHz band to be used for detection of hydroxide ions could replace the 1280 MHz octave.

The Plenary Assembly adopted recommendation 314, which proposed the above spectral frequencies and octaves (except 320 MHz and 1280 MHz octaves) to be set aside for radio astronomy. These recommendations would be presented at the ITU Administrative Radio Conference to be held in Geneva later that year. But difficulty in reserving those frequencies was already beginning to appear. For one, the 640 MHz octave falls in the middle of the band set aside seven years earlier for UHF broadcast television to relieve the overcrowding situation on the VHF channels.

The Netherlands, in preparation for the Geneva Conference, had planned to specify the 610-615 MHz band as representing the 640 MHz octave. Expecting this proposal to be adopted at Geneva, the University of Illinois began preparations to construct a radio telescope under a contract with the Office of Naval Research. In order to eliminate major problems in earthwork and drainage while constructing a huge parabolic trench, the observatory would be built over a tributary of the Vermillion River. Construction on the project began on September 3, 1959. The telescope, when completed, would consist of a parabolic cylinder 400 feet wide by 600 feet long, would have an optimum performance at a center frequency of 611 MHz, and would be more sensitive than any other instrument in that frequency range. With the data from this telescope a catalogue of discrete radio sources, including very distant astronomical objects, will be compiled: information which will be of great value to astronomers and those concerned with space



technology.

The ITU Administrative Conference met in Geneva from August thru December, 1959, and recommendation no. 314 of the Plenary Assembly was discussed, along with the other spectral needs of radio astronomy. But the conference allocated only one band to radio astronomy: the 1400-1427 MHz hydrogen band. Other bands above 1000 MHz were made available to radio astronomy, but without the right of protection from interference by the other radio services sharing those frequencies. Because of the already crowded use of frequencies toward the lower bands, no worldwide agreement was possible below 1000 MHz. The best that could be done was to make regional provisions.

Regions one (Europe, Africa, and western Asia) and Three (Southeast Asia and South Pacific) adopted footnote 332 of the conference, which made 606-614 MHz (channel 38 in those regions) available to radio astronomy until such time as it would be required for use by other services. The United States and other nations in Region Two (The Americas) rejected the Netherlands proposal to make 610-615 MHz available to radio astronomy. This meant trouble for the University of Illinois radio telescope already under construction near Danville.

Region one nations pursued the matter further. In 1961 the European VHF/UHF Broadcasting Conference met in Stockholm, also under the auspices of the ITU. The conference recommended that television channel 38 be avoided by television broadcasting, even though it was still allocated for use in 41 cities located in 14 different nations. But within a few years channel 38 was used for broadcast television in three German cities and two Russian cities, and for point-to-point operations in three areas in Italy.

In April, 1963, a VHF/UHF African Broadcasting Conference was held in Geneva, but by this time several African nations were already making preparations to use channel 38, and an agreement to protect that channel for radio astronomy appeared doubtful. But during that conference the delegation from the nation which had planned the heaviest use of channel 38 announced a dramatic change in its position, and proposed the deletion of channel 38 from television. The other delegates supported the change, and the conference adopted the proposal.

NEXT MONTH: Part Two: Channel 37 in the United States

APPLICATIONS FOR NEW BROADCAST STATIONS

| CH | ERP | HAAT | STATE/CITY/APPLICANT |
|----|-----|------|---|
| 18 | 210 | 213 | AR El Dorado; Noe Enterprises |
| 3 | 100 | 2296 | AZ Douglas; The Sun Network |
| 30 | 800 | 2363 | CA San Bernardino; United American television of San Bern.; All Asian Television; American Jewish Network; Black Media Coalition; Citizens Broadcasting of San Bern.; Concerned Citizens Media; Deseret Broadcasting Systems; First American Indian Broadcasting; |

Intervision Telecasters; Latin American Television; Minority Women for Better Television; National Humanist Coalition; Richard Schulz; Southport Broadcasting; TYJ Multimedia; Unicorn Media; Timothy Van Heest; Voice of the Inland Empire.

30 269 2340 CA All Nations Christian Broadcasting; Amerasian Broadcasting Service; Channel 30, Inc; Religious Broadcasting Network; San Bernardino Broadcasting Channel; SSP Broadcasting; Toluca Lake Broadcasting.

30 2858 2320 CA A&R Broadcasting Company
 30 3890 2318 CA California Christian Broadc'g
 30 3428 2408 CA Coastland Media Systems, Inc.
 30 3300 2505 CA Crocker Communications Corp.
 30 3600 2430 CA Golden Candlesticks Brodcers.
 30 3300 2510 CA Good News Broadcasting Netwk.
 30 3630 2400 CA Grand Broadcasting Corporat'n
 30 2455 2443 CA Inland Empire Broadcasters
 30 3420 2392 CA Inland Empire Television
 30 1123 2413 CA Interstate Broadcasting Syst.
 30 3170 2328 CA Q-N Telecasters
 30 339 2367 CA San. Bern. Valley Broadc'g
 30 2500 2536 CA Sandino Telecasters
 30 2220 2353 CA Solano Broadcasting Limited
 30 3650 2390 CA Television 30, Inc.

(Total of 40 applicants for this channel, formerly occupied by KHOF, owned by Faith Center, which the FCC put off the air and at the same time opened the channel to applicants for a new station. All applicants specify use of the present facilities of KHOF, some with the same engineering data (269 kw; 2340' HSSST). There are also eight applicants requesting interim operating authority, but none of them applied for construction permit. My guess is that this will take several years to resolve under a consolidated hearing.)

53 174 425 FL High Springs; High Springs Television, Inc.
 54 5000 176 GA Augusta; Media General, Inc.
 68 1000 511 IL Danville; George E. Gunter
 49 1000 315 IL Springfield; George E. Gunter
 49 200 620 IL Springfield; Midwestern Telev
 27 2188 854 IL Urbana; Metro Program Network
 29 1250 430 IN Kokomo; B.G.S. Broadcasting
 29 1350 294 IN Kokomo; Sandy Kay Broadc'g Co
 29 2188 857 IN Kokomo; Metro Program Network
 63 5000 1998 IA Des Moines; Des Moines Central Communications, Ltd.

63 1500 148 IA Des Moines; Family Broadc'g
 41 750 552 LA Alexandria; Haynes Communic's
 36 933 477 LA New Iberia; K-J Broadcasting
 34 4470 1980 MS Magee; Magee Broadcasting Co.
 35 1450 239 MS Vicksburg; Action Communic'n's
 25 1400 633 MO Jefferson City; Attorney's Group

22 1275 790 MO St. Joseph; Public Television 19, Inc. (educational)
 22 1500 441 MO St. Joseph; Citizens Rights Telecommunications Company
 22 750 556 MO St. Joseph; Haynes Communic's
 55 4999 461 NY Amsterdam; G&M Broadcasting
 68 3630 750 OH Mansfield; Amos Communicat's
 66 25 500 PA Erie; Gannon University Be'g

66 2212 878 PA Erie; Seneca Broadcasting
 24 4217 1496 SC Charleston; Charleston Tele-
 vision Partners
 24 5000 1485 SC Charleston; Charleston 24
 24 3390 2000 SC Charleston; South Jersey
 Radio, Inc.
 13 316 1010 TN Memphis; Cozzin Communica-
 tions Corp.; Jane Clabough
 Grams; Micon Media, Inc.
 13 316 1013 TN Memphis; Greater Memphis
 Communications, Ltd.; Memphis
 Minority Television Company;
 Memphis Telecasters, Ltd.;
 Memphis Television Company;
 New South Media Corp.; Ste-
 phen E. Powell; River City
 Communications Corp.; Shelby
 Broadcasting; South Jersey
 Radio, Inc.; Ware Communica-
 tions, Inc.
 13 316 1971 TN Memphis; River City Broad-
 casting, Limited.
 (All of the above Memphis
 applications are mutually
 exclusive with application
 for renewal of WHBQ-TV's
 broadcast license. Except
 for River City, all of the
 other applicants propose the
 same tower used by WHBQ-TV.)
 7 316 956 WY Sheridan; Harriscope Bc'g Co.
AMENDED APPLICATIONS FOR NEW STATIONS
 7 316 612 AK Fairbanks; Arapahoe Silent
 Majority, Inc.
 46 1535 2487 AZ Green Valley; Alden Commun's
 14 5000 1570 GA Rome; Marilyn N. McMullan
 5 100 0 HI Honolulu; Family Media Inc.
 63 5000 910 IN Bloomington; Hoosier Tele-
 media Partnership
 33 3600 359 KS Wichita; Arapahoe Silent
 Majority, Inc.
 33 1503 1130 KS Wichita; Wichita 33, Limited
 45 766 497 NE Lincoln; Native American Com-
 munications Corp.
 52 n.c. n.c. NY Ithaca; Oswego Broadcasting &
 Communications, Inc. (former-
 ly Paradise Broadcasting &
 Communications, Inc.)
 43 n.c. 1069 VA Virginia Beach; Tidewater
 Broadcasting Company
 43 5000 n.c. VA Virginia Beach; Tidewater
 Christian Communications
CONSTRUCTION PERMITS GRANTED BY THE FCC
 33 93 412 IL LaSalle; Word TV, Inc.
 66 82.2 1907 NC Forest City; Forest City TV
 46 81 1820 PR Cidra; Caribbean Broadcasters
 26 288 714 AR Hot Springs; Razorback TV
 22 500 164 FL Key West; Rappaport Commun's
 11 6.14 -13 WY Rawlins; Rawlins Broadc'g
 44 5.4 370 TX Harlingen; The Wings of Faith
 58 55 1078 PR Caguas; Community TV of Cag.
 18 1.6 390 TX Midland; KDCD-TV (reinstated)
 29 1279 538 NM Hobbs; Hobbs Family Telev'n
 36 2056 1224 OH Toledo; Toledo Telecasting
APPLICATIONS DISMISSED, ETC.
 • Oroville, CA; ch. 28; TV Tech Systems.
 • LaSalle, IL; ch. 35; Thomas J. Mikos.
 • Des Moines, IA; ch. 63; David C. Smiley
 • Mt. Clemens, MI; ch. 38; Macomb County

Broadcasting Company.
 • Forest City, NC; ch. 66; Citizens Rights
 Telecommunications Company (returned).
 • Hot Springs, AR; ch. 26; Edw. M. Johnson
 • Key West, FL; ch. 22; Key West Television
 Partners.
 • St. Joseph, MO; ch. 16; Stanley G. Emert Jr.
 • Rawlins, WY; ch. 11; Strang Telecasting.
 • Wichita, KS; ch. 33; Local Majority Tele-
 vision (denied by the FCC).
 • Bloomington, IN; ch. 63; Local Majority TV.
 • Virginia Beach, VA; ch. 43; Stanley Emert.
 • Pine Bluff, AR; ch. 38; Pine Bluff Telev'n.
 • Hobbs, NM; ch. 29; Lea County Television
 • Toledo, OH; ch. 36; Channel 36, Inc.; Tole-
 do Family Television, Inc.; Toledo Ohio TV,
 Inc.; tvUSA/Toledo, Inc.
 • Alvin, TX; ch. 67; Chase Communications.
APPLICATIONS TO MODIFY CONSTRUCTION PERMIT
 14 5000 996 CO Boulder; KTVJ
 32 2290 1010 LA New Orleans; WLAE-TV
 39 159 498 LA West Monroe; KNAW-TV
 20 538 -150 HI Honolulu; KHAI-TV
 56 3653 1627 PA Hazleton; WERF
 10 316 1740 OR Portland KOAP-TV (on the air)
 42 2510 1290 TX Austin; KBVO-TV
 62 224 903 NC Fayetteville; WFCT
 28 1916 965 OH Columbus; WTTE
CONSTRUCTION PERMIT MODIFICATIONS GRANTED
 15 3.5 123 NE Fargo; KVNJ-TV (on the air)
 16 n.c. 1772 AR Little Rock; KLRT
 55 5000 670 NY Riverhead; WLLG
 9 316 1000 WV Grandview; WSWP-TV
 49 2805 1785 WA Vancouver; KPDX
 3 67 2526 CO Glenwood Springs; KCWS
APPLICATIONS TO CHANGE EXISTING FACILITIES
 6 100 1370 NE Omaha; WQWT
 40 3160 2000 AR Fort Smith; KHBS
 68 1337 773 MA Boston; WQTV
 6 n.c. 1802 FL Miami; WCIX-TV
 57 637 582 SC Columbus; WCCT-TV
 17 1000 1298 MN St. Paul; KTCL-TV
CHANGES IN EXISTING FACILITIES GRANTED
 • KADN, channel 15, Lafayette, Louisiana,
 to change to 1318 kw Max; 631 kw Hor. (from
 282 kw Max; 166 kw Hor.); 1180' AAT; 1209'
 AG; 1249' ASL (989' increase in altitude); TL
 3 miles S/o Church Point. Coordinates
 30°21'44"; 92°12'53". This is 13.23 miles NW
 of present site. Look for notable change in
 signal strength.
 • KTXL, channel 40, Sacramento, California,
 to increase ERP from 1765 kw Max/622 kw Hor
 to 5000 kw Max/3013 kw Hor. Antenna height
 increased 1002 feet at same location. 1962'
 AAT/1998' AG/ 2000' ASL.
 • WZTV, channel 17, Nashville, Tennessee,
 changed ERP to 2340 kw Max/1580 kw Hor.;
 1160' AAT/1369' AG/2049' ASL. TL to 5700 Knob
 Road, Nashville. Coordinates 36°08'27";
 86°51'56". This is 5.97 miles ENE from
 previous TL. Conflicting references as to
 when this change took place. Not sure if
 station was operating 2400 kw/2000 kw as per
 licensed or 2240 kw/1410 kw as per earlier
 construction permit on record. Little change
 in power either way. transmitter is 353 feet
 higher than licensed transmitter.

NEW CALL LETTERS APPLIED FOR
 CH C.L. STATE/CITY/APPLICANT
 39 WWTW WI Marshfield; Wisc. Television
 60 WPPF-TV AL Decatur; TV Community Broade'g
 23 WFHL IL Decatur; Decatur Foursquare
 14 WJPT IL Jacksonville; West Central Ill.
 Educational Telecommunications
 59 WSMK IN Indianapolis; Indianapolis Tele-
 vision Corporation
 49 WJJA WI Racine; Racine Telecasting Corp
 64 WART PR Naranjito; Art Broadcasting
 49 KLTJ TX Irving; Cala, Inc.
 29 KHFT NM Hobbs; Hobbs Family Television
 48 WIEC PR Ponce; Zeal Broadcasting
 19 WOIO OH Shaker Heights; Channel 19, Inc
CALL LETTER CHANGES APPLIED FOR
 13 KTNL AK Sitka; KIPW-TV
 12 KWCH-TV KS Hutchinson; KTVH
 61 WDSI-TV TN Chattanooga; WRIP-TV
 26 KINT-TV TX El Paso; KEHB-TV
 24 WNPB-TV WV Morgantown; WVU-TV
CALL LETTERS ASSIGNED: NEW STATIONS
 32 WBUO WI Appleton; Appleton Midwestern
 20 WEJC NC Lexington; Koinonia Broadc'g
 11 KRWY WY Rawlins; Rawlins Broadcasting
 32 WNEQ-TV GA Toccoa; Stephens County Bc'g Co
 11 KITF MN International Falls; Jn.W.Boler
 7 KCTZ MT Bozeman; Bee Broadcasting
CALL LETTERS ASSIGNED: CHANGE EXISTING
 43 WPMT PA York; WSBA-TV
 8 WDCN TN Nashville; WDCN-TV
 2 WGRZ-TV NY Buffalo; WGR-TV
 27 WYAH VA Portsmouth; WYAH-TV
APPLICATIONS TO CHANGE CITY OF IDENTIFICATION
 • KVNJ-TV, ch. 15, to ID as Fargo-Moorehead.
 (Presently Fargo, North Dakota. Moorehead is
 in Minnesota)
CITY OF IDENTIFICATION CHANGES GRANTED
 • WHP-TV, channel 21, Harrisburg, Pennsylvania,
 to identify as Harrisburg-York.
 • WCEE, channel 13, Mount Vernon, Illinois,
 to identify as Mount Vernon-Salem-Centralia.
NEW TELEVISION STATIONSON THE AIR
 • KVHP, channel 29, Lake Charles, LA, began
 January 18, 1983. 730.8 kw Max. ERP; 448'
 AAT/473' AG/487' ASL; coordinates 30°11'50"/
 93°13'12"; TL southwest of the intersection
 of Ryan Street and Prien Lake Road in Lake
 Charles; address: Lake Charles Electronic
 Media, 129 W. Prien Lake Road, Lake Charles,
 LA, 70601.
 • WNVG, channel 56, Fairfax, Virginia, went
 on the air June 1, 1983. 1230 kw Max. ERP/
 741 kw Hor; 732' AAT/689' AG/ 1049' ASL;
 coordinates 38°52'28"/77°13'24"; TL at the
 intersection of US29-211 and I-495 near
 Merrifield; address: Central Virginia ETV
 Corp., 8101 Lee Highway, Falls Church, VA,
 22042.
 • WTSF, channel 61, Ashland, Kentucky, went
 on the air April 30, 1983. 1963 kw Max ERP/
 1610 kw Hor.; 631' AAT/509' AG/1352' ASL;
 coordinates 38°25'11"/82°24'06"; TL Columbia
 Parkway in Ashland; address: Tri-State Family
 Television, 3100 Bath Avenue, Ashland, KY,
 41101.
 • WXJC-TV, channel 63, Angola, Indiana, went

on the air April 22, 1983; 23.4 kw ERP; 300'
 AAT/240' AG/1315' ASL; coordinates 41°37'13.5"/
 85°00'09"; TL Old 27 at south city limits;
 address: WXJC-TV, N. W. Strand Theatre Bldg.,
 Angola, IN, 46703.
 • KCWC-TV, channel 4, Lander, Wyoming, went
 on the air April 22, 1983; 100 kw ERP; 1515'
 AAT/ 287' AG/9172' ASL; coordinates 42°34'59"/
 108°42'36"; TL 1.5 miles north of Hwy 28 on
 Limestone Mountain, Atlantic City (anywhere
 near the boardwalk?); address: Communications
 Complex, Central Wyoming College, Riverton,
 WY, 82501.
CONSOLIDATED HEARINGS
 • Santa Rosa, California; channel 62; Black
 Television Workshop of Santa Rosa, Inc.; Bay
 North Educational Television, Inc.
 • Oroville, California; channel 28; Golden
 Valley Communications; Gridley Community Tele-
 vision (both 9 miles short-spaced to reference
 point for ch. 29 in Sacramento); Oroville
 Television; Oroville Communications 28, Ltd.
 (both proposing Bloomer Hill transmitter site,
 which is being contested by the State of Cal-
 ifornia and United States Forest Service.)
 • Norwell, Massachusetts; channel 46; Mid
 Shore Resources; Norwell Broadcasting Company.
 • Charleston, West Virginia; channel 11;
 National Communications Affiliates of West
 Virginia; Channel 11 Broadcasting Corporation;
 Gemini Broadcasting Company of West Virginia,
 Inc. (proposing electrical and mechanical beam
 tilt); West Virginia Educational Broadcasting
 Authority (proposes noncommercial educational
 station and specifies South Charleston as its
 proposed community of license); Greater
 Kanawha Valley Broadcasting, Ltd.; Long Broad-
 casting Systems, Inc. (specifies South Char-
 leston); Charleston Broadcasting Corporation;
 The Hightower Partnership; West Virginia Tele-
 casting, Inc. (licensee of WVAH-TV, channel 23
 in Charleston, applying for a construction
 permit to change to channel 11). Also involved
 in this issue is a petition by WJHL-TV, chan-
 nel 11 in Johnson City, TN, to deny the applica-
 tion of National Communications Affiliates,
 a petition by WQWK-TV, channel 13 in Charle-
 ston to deny all of the commercial applicants
 because of increase of competition. Channel
 11 is a recent short-spaced drop-in VHF
 assignment, and the permittee will have to
 protect WJHL-TV from harmful interference.
 • Alvin, Texas; channel 67; Texas Family
 Television, Ltd.; Community Television of
 Alvin; Telemedia Broadcasting Corporation;
 Four Star Broadcasting Company; Patricia B.
 Steele. Chase Communications, Ltd., is merg-
 ing with Four Star, and its application will
 be dismissed.
 • Ithaca, New York; channel 52; Oswego Broad-
 casting and Communications, Inc.; Ithaca TV
 Associates.



CANADIAN NOTES FROM WALTER PATTON
New Transmitters

CH KW NET Location/Primary
17 0.100 CBC Lake Cowichan, BC (Anik)
5 0.010 - Labrador City-Wabush, Nfld.
12 0.013 SRC Frobisher Bay, NWT (Anik)
32 446.4 RQ Anse-Aux Gascons, Que. (CIVM)
15 1.392 CBC Maniwaki, Que. (Anik)
15 1.260 SRC Ste. Adele, Que. (CBFT)
54 1.260 CBC Ste. Adele, Que. (CBMT)
21 1.140 SRC Thetford Mines, Que. (CBVT)

Power changes

| CH C.L. | FROM | TO | Location |
|-----------|-------|-------|--------------------|
| 25 CBLFT | 2,140 | 1,827 | Toronto, Ontario |
| 8 CIVV | 143.7 | 141.8 | Chicoutimi, Quebec |
| 12 CKRS | 208.0 | 137.3 | Jonquiere, Quebec |
| 7 CBKFT-4 | 1.400 | 0.140 | St. Brieux, Quebec |

Applications for Power Changes

11 CBXAT-11 1.140 0.672 Marten Mountain-Slave Lake, Alberta
29 CBXT-10 0.010 0.100 Two Hills, Alberta
21 CBXT-9 0.010 0.100 Viking, Alberta
11 CKX-3 31.80 38.60 McCreary, Manitoba

APPLICATIONS TO CHANGE CHANNEL

CHAU-TV-9, L'Anse a Valleeu, Que. from 7 to 5
CHAU-TV-12, Murdochville, Que. from ch. 5 to 7
CITY, Toronto, Ontario, from ch. 79 to ch. 57
(to operate on both for a 30-day period)

SAN BERNADINO: A FAR CRY FROM SECAUCUS, N.J.

Two months ago I exposed some of the politicking in government circles to save RKO General's license of WOR-TV. This time I intend to expose some of the politicking by the FCC to take away somebody's license.

For several months now Faith Center, which owns three television stations and one FM station, has been in the news with reports of deceptive fund raising and the impending doom of its licenses. KHOF-TV, channel 30 in San Bernadino, the flagship station of the Faith Broadcasting Network, was taken off the air as of May 24, 1983.

Club member W. R. McIntosh sent me an article from the Los Angeles Times, dated 5/25, and written by Allan Parachini, Times Staff Writer. According to the article, Gene Scott, the head of Faith Center, was notified by the FCC that it was investigating him because of a single allegation of possible fraud. He refused to turn over the church records to the FCC. The major issue was no longer the fraud allegations, which were never proven, but rather his refusal to surrender records of the Faith Center Church (ironically, the initials of which are F.C.C. -wbf). Attorney General George Deukmejian decided to join in the investigation, but the California Legislature stopped him in 1981.

According to the article, Gene Scott isn't concerned so much with saving KHOF-TV as he is planning a transition from a few television outlets to a network of cable outlets and satellite transponder leasing, and purchased time on broadcast stations.

While the article gives some background to the story, it also gives a glimpse into the character of Gene Scott. The transmitter engineer is heroically described as, "the

only person ever to successfully interrupt Scott's often seemingly endless diatribe against the federal and state governments and the Federal Communications Commission in particular." The article continues, "But the showdown came only after the preacher, angry and defiant as ever, had ceremoniously beaten the heads of dozens of toy monkeys that serve as his sort of voodoo dolls for bureaucrats and proclaimed that what almost anyone else might see as a major defeat was really a significant victory." Scott is quoted, "I'll be around until Jesus comes! And I'll go up... and the bureaucrats will go someplace else." He calls conventional preachers "Rufus Glitterteeths."

While reading the article, I couldn't help but realize that the writer of the article was taking the opportunity to smear the character of Scott. Which only confirms my contention the the greatest opponents of freedom of speech are among the news media.

I wrote to Gene Scott and offered him an opportunity to explain his side of the issue. In return, I was sent copies of several articles from newspapers, testimonies given in the United States District Court, and the FCC files on the case.

Apparently three ex-members and employees went to the FCC with charges that Scott had misappropriated funds, but never gave any evidence to back up their claims. Most of objections seem to deal more with his life style than criminal actions. He receives a \$1,000 annual salary with unlimited expenses which he estimates to be about \$70,000.00. He often rents a suite at the Pasadena Hilton for \$65.00 daily. He drove around in a limousine owned by a mausoleum. When the studio roof began leaking during a live fund-raising broadcast, money was raised over the air for roof repairs. A contractor, who was also employed by faith center, and later became one of those who went to the FCC, estimated \$4,000 worth of repairs. The repairs eventually came to only a few hundred dollars, well below the amount raised. Although more money went to maintenance on the roof, allegations of misappropriating funds arose. But contributors are told, "Dr. Gene Scott...is expressly authorized to determine designation of these funds, including freedom to change designations or apply all or any part of donation to the general budget and or expense of either Faith Center or Wescott Christian Center Churches. The three who originally made the claims either denied them, couldn't remember them, or stated that Dr. Scott was honest and trustworthy.

But the issue was no longer his integrity. The FCC demanded church records and Dr. Scott refused. Contributors are promised, "...any supervision, required disclosure, or interference by government agencies, will violate my (the donor's. -wbf) civil rights and USCA (U.S. Codes Annotated -wbf) title 42, article 1983." The FCC determined that a "licensee's operation of a public broadcast station may not be shielded from public scrutiny because of its standing as a religious organization."

Again, the FCC demanded the church records, and warned that the license of KHOF-TV would be at stake. Faith Center went to the federal district court, seeking an injunction against the FCC.

The Broadcast Bureau recommended that the license of KHOF-TV be set for hearing. When the license was up for renewal, the FCC set it aside for hearing. The FCC refused to consider Faith Center's Constitutional rights, and the license was revoked.

The issue, then, was not any misuse of funds by Dr. Scott, or any dishonesty on his part, because there is no indication of dishonesty. The issue was his refusal to yield his first amendment rights to the government. (And before you laugh at the idea that the government would force you to give up your constitutional rights, look at the bottom of your income tax forms.)

FORUM

When mutually exclusive applications for a broadcast station are filed with the FCC, they are designated for a consolidated hearing, in which character qualifications, financial ability, minority ownership and control, engineering standards, and many other factors are taken into account, and the hearing could take several years. One thing the FCC tries to do is to get the applicants to work it out among themselves, and usually one applicant will pay the others to withdraw their applications. George Mileon sent in an article from the 5/20/82 North Shore, which describes such a situation in Massachusetts. MFP, Inc., which applied for channel 62 and specified Lawrence, Massachusetts, will buy out Metrovision and Seacoast Broadcasting. If MFP is granted what the newspaper incorrectly calls a license (the FCC must have a bad habit of calling them construction permits), the station could be on the air in nine months.

Tom Yingling sent in a clipping from the 6/1 Baltimore News American. WMAR-TV, channel 2, is getting picked at again. When NBC aired its new "Buffalo Bill" comedy WMAR-TV was playing the Baltimore Orioles game (That station must really be for the birds!). Johnny Carson and David Letterman have been replaced with reruns of Star Trek and Rockford Files (At least WMAR-TV has good taste!). But it seems like the other area stations are also taking part in what the paper calls "The Great Baltimore TV Tune-out." WJZ-TV replaced ABC's "One on One" with Hawaii Five-O. WJLA-TV replaced it with old movies. WBAL dropped CBS "Nightwatch." many of the daytime programs are also dropped by the stations.

Greg Monti reports on new station WNVG, ch. 56 in Fairfax, Virginia. He says WNVG, channel 53, is now off the air, being replaced by WNVG. The new station's signal is better, with no ghosting or snow, which he said plagued channel 53. WEZR (FM) is planning to relocate its transmitter to the same tower. Also from Greg: WOR-TV in Secaucus threatened not to build studios and offices in Secaucus until the FCC and courts finally throw out all challenges to its license (That's because in another five years, after the renewal time

specified in that legal farce, runs out, they are still in danger of losing their license. An advertisement Greg also included about WOR-TV reads, "We want to be the best there is. And we want New Jerseyans to be proud of their television station." So as of April 20 WOR-TV has moved from the Big Apple to the Big Tomato, howbeit in name only.

Bill Draeb logged WGRB, channel 34 in Campbellsville, Kentucky during a good tropo opening, and its signal overrode WNIT-TV in South Bend. They were both the same offset, producing 2 to 3 heavy bars of CCI across the screen. He was confused by a mistake in the 5/81 FCC TV News, which had channel 34 in Campbellsville as zero offset, which was a mistake. I don't know how that happened, since I no longer have those old references, but present data base and table of allocations both have -10 kHz for Campbellsville and South Bend. Bill also logged a scrambled signal on channel 47 from the NNW. I suspect that may be K47AF in Iron Mountain, Michigan, which plan to transmit programming from KTBN-TV, channel 40 in Fontana, California, via Satcom I. There's a very good chance that K47AF would decide to scramble.

David Moody gives more information about WTSF, channel 61 in Ashland, Kentucky. Several people dated its sign on date as May 1. It transmits from 7:00 am to 11:00 pm. with religious programs and local commercials. The transmitter is located at Battery Park. Although West Portsmouth, Ohio is only about 30 miles from Ashland, nobody can pick up the station. All Dave can get with a 7' dish at 30' AG is a faint sync pulse. He suggests that maybe WTSF operates from a 50' tower on a small hill. Dave also sent in two articles from Broadcast Engineering magazine which I plan to cover next month.

A few other articles which appeared in various issues of USA Today: KLIH, channel 49 in Topeka, Kansas, plans to go on the air sometime in June, 1983, but Cablevision of Topeka wants FCC permission to refuse to carry the station. The FCC is proposing to repeal part of the fairness doctrine, particularly the part which gives victims of personal on-the-air attacks time to respond. WABC-TV, channel 6 in Greenwood, Mississippi, is concerned that FM station WMPR, still under construction, may disrupt television signals, but the FCC ruled that the station can not do anything until WMPR is on the air and interference is determined to exist.

MAKE YOUR CONVENTION PLANS NOW!

VHF UTILITY DX

Donald L. Blevins
314 Langley Road
Baltimore, MD 21221
phone 301-391-3408

VHF UTILITY DX This month's feature will be loggings of public service agencies by myself and Tom Yingling for May and June.

Thomas J. Yingling, Jr. 221 Pinewood Road Baltimore, MD 21222 reports:

| | | | | |
|----------------|---------|---------|-------------------|--------------------------|
| <u>4-28-83</u> | | | | |
| 0036 | KAV 708 | 154.13 | Gloucester, NJ | Gloucester County Fire |
| 0100 | KGG 551 | 154.37 | Nazareth, PA | Northampton County Fire |
| 0125 | KCI 570 | 155.70 | Doylestown, PA | Bucks County Police |
| <u>5-3-83</u> | | | | |
| 1647 | KVZ 978 | 39.58 | Iola, KS | Allen County Sheriff |
| <u>5-7-83</u> | | | | |
| 2100 | KEJ 871 | 159.15 | Deptford, NJ | Deptford Township Police |
| <u>5-18-83</u> | | | | |
| 2219 | KAB 247 | 42.64 | St. Paul, MN | Minnesota State Patrol |
| <u>5-22-83</u> | | | | |
| 0150 | KXF 630 | 154.175 | Berea, VA | Stafford County Fire |
| <u>5-24-83</u> | | | | |
| 2000 | KAB 311 | 42.46 | Holdredge, NE | Nebraska State Patrol |
| 2005 | KAB 309 | 42.46 | Omaha, NE | Nebraska State Patrol |
| 2009 | KAB 310 | 42.46 | Norfolk, NE | Nebraska State Patrol |
| 2010 | KAM 296 | 39.90 | Ord, NE | Ord Police Department |
| 2013 | KTN 460 | 39.90 | Theford, NE | Thomas County Sheriff |
| 2015 | KAG 670 | 39.90 | Tekamah, NE | Burt County Sheriff |
| 2020 | KSS 815 | 39.90 | Brady, NE | Brady Village Police |
| 2025 | KDC 337 | 39.90 | Dakota City, NE | Dakota County Sheriff |
| 2030 | KQI 316 | 33.90 | Cincinnati, OH | Hamilton County Fire |
| 2041 | KDR 759 | 33.86 | Clay Center, OH | Clay Center Village Fire |
| 2047 | KSA 973 | 39.46 | Paxton, IL | Fort County Police |
| 2113 | KAH 204 | 39.90 | Auburn, NE | Auburn Police Department |
| 2115 | KJY 643 | 39.90 | Davenport, NE | Davenport Police |
| 2118 | KWF 782 | 39.90 | Hebron, NE | Hebron Police Department |
| 2120 | KVM 365 | 33.82 | Cedar Lake, IN | Lake Hills VFD |
| <u>5-25-83</u> | | | | |
| 0001 | KIZ 607 | 46.20 | Springdale, AR | Springdale Fire Dept |
| <u>5-26-83</u> | | | | |
| 0109 | KJW 576 | 154.025 | Atlantic City, NJ | Atlantic City Fire |
| 0120 | KKI 937 | ? | ? | ? |
| 0140 | KGB 325 | 158.73 | Ardmore, PA | Lower Merion Township PD |
| 1800 | KIX 767 | 46.20 | Sarasota, FL | Northeast Area Fire Dist |
| 1821 | KXG 957 | 46.06 | Rockingham, NC | Richmond County Fire |
| 1904 | WCK 485 | 46.10 | Bentonville, AR | Benton County Fire |
| 1905 | KXX 468 | 33.88 | Houston, TX | Cypress VFD |
| 1917 | KEG 261 | 46.10 | Inverness, FL | Citrus County Fire |
| 1935 | WYZ 304 | 46.54 | Arkadelphia, AR | Arkansas State Patrol ? |
| <u>6-3-83</u> | | | | |
| 2003 | WXR 476 | 37.10 | Dardenelle, AR | Dardenelle Police |
| 2020 | KRG 760 | 37.10 | El Reno, OK | Canadian County Sheriff |
| 2028 | KVP 522 | 37.10 | Eureka, AR | Eureka Springs Police |

Donald L. Blevins 314 Langley Road Baltimore, MD 21221 reports:

| | | | | |
|----------------|---------|-------|---------------------|-------------------------------|
| <u>5-18-83</u> | | | | |
| 0855 | KAZ 605 | 45.84 | Bridgeton, NJ | Cumberland County Engineering |
| 2327 | KAA 201 | 42.06 | Macon, MO | Missouri Highway Patrol |
| <u>5-19-83</u> | | | | |
| 0821 | KAA 270 | 42.06 | Poplar Bluff, MO | Missouri Highway Patrol |
| 0828 | KAB 302 | 42.12 | Jefferson City, MO | Missouri Highway Patrol |
| 0840 | KKA 982 | 45.22 | Hattiesburg, MS | Mississippi Highway Patrol |
| 0841 | KKP 998 | 45.22 | Laurel, MS | Jones County Sheriff |
| 0846 | KIA 680 | 45.06 | Brooksville, FL | Florida Highway Patrol |
| 0847 | KIU 391 | 45.22 | Tampa, FL | State of Florida |
| 0849 | KGB 812 | 45.14 | Shelby, MS | Shelby Police |
| 0859 | | 44.94 | Commercial Twp, NJ | New Jersey State Police |
| 0901 | KIA 702 | 42.10 | Greenville, SC | South Carolina State Patrol |
| 0903 | KUA 754 | 45.14 | Crystal River, FL | Crystal River Police |
| 0913 | KIB 487 | 45.06 | Tampa, FL | Florida Highway Patrol |
| 0913 | KIB 480 | 45.06 | Lakeeland, FL | Florida Highway Patrol |
| 0914 | KIB 471 | 45.06 | East Palatka, FL | Florida Highway Patrol |
| 0927 | KIG 483 | 42.10 | Aiken, SC | South Carolina Highway Patrol |
| 0935 | KIB 484 | 45.06 | Melbourne, FL | Florida Highway Patrol |
| 0937 | KJF 888 | 42.10 | Martinsburg, WV | West Virginia State Police |
| 1015 | KAA 522 | 42.12 | Willow Springs, MO | Missouri Highway Patrol |
| 1037 | KKD 317 | 42.16 | Greenwood, MS | Mississippi Highway Patrol |
| 1040 | KVN 733 | 45.10 | Fort Lauderdale, FL | Florida Highway Patrol |
| 1104 | KKC 477 | 42.12 | Gulfport, MS | Mississippi Highway Patrol |
| 1118 | KKR 267 | 45.22 | Brookhaven, MS | Lincoln County Sheriff |
| 1121 | KKL 201 | 45.22 | Canton, MS | Madison County Sheriff |
| 1121 | KEL 341 | 45.22 | Brandon, MS | Rankin County Sheriff |
| 1155 | KLR 282 | 45.06 | St. Augustine, FL | Florida Highway Patrol |

Hank Holbrook 7211 Chestnut Street Chevy Chase, MD 20815 reports:

| | | | | |
|----------------|----------|--------|------------------------|------------------------------|
| <u>4-7-83</u> | | | | |
| 1218 | N533GS | 132.02 | Washington, DC | GAMBELL SOUP COMPANY |
| <u>4-18-83</u> | | | | |
| 2332 | N749AV | 131.95 | Baltimore, MD | AIR VIRGINIA |
| <u>4-19-83</u> | | | | |
| 0240 | N50TR | 132.02 | Washington, DC | J. G. BRASSFIELD ENTERPRIZES |
| <u>4-26-83</u> | | | | |
| 0140 | N5071L | 132.02 | Washington, DC | UNITED TECHNOLOGIES INC. |
| <u>5-1-83</u> | | | | |
| 1700 | WYR 4323 | 156.80 | Herring Bay, MD | MAFOLIE |
| <u>5-19-83</u> | | | | |
| 1232 | N2600 | 132.02 | Salisbury, MD | MOBILE OIL CORPORATION |
| <u>5-1-83</u> | | | | |
| 1704 | WYQ 6776 | 156.80 | Rock Creek, MD | SUNSET BREEZE |
| 1714 | WYR 3623 | 156.80 | Eastern Chesapeake, MD | THE FIRST EDITION |

AND NOW the answer to Bill Draeb's "Question of the Month" (June VUD, page 25). This is only for those of you who did not have a complete set of VUD's. And now (add fanfare) the answer: 16½ inches. We hope you didn't hold your breath for a month while you waited.

PHOTO-NEWS

Mike Reid
109 Arjay Cres.
North York, Ont. M2L 1C6
CANADA

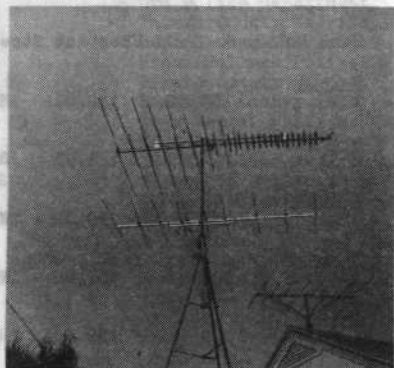
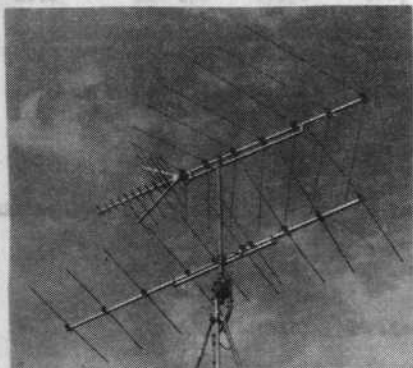
This month we visit the DX shack of Ronald Purdue of Byron, MN.



At left is a photo of Ron's DX den. Ron did not include details of what can be seen, however.

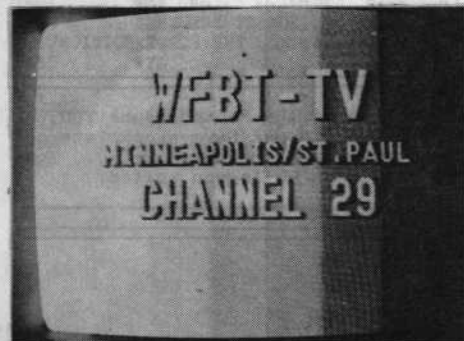
Below left, we see an Archer VU-120 VHF-UHF antenna (top) and an Archer Stereo Supreme FM antenna on the bottom.

Below right, there is a Winegard CH-7084 VHF-UHF antenna (top) and another Stereo Supreme below it on another tower.



On the left, a photo of the TP WFBT-TV, Minneapolis ran on October 5, 1982 when they went on the air for the first time. (Purdue)

New Policy: From now on, photos submitted will not be returned. This is in accord with a new club policy concerning materials submitted. Of course, photos sent that are to be returned will be if sent before you read this. I suggest that you shoot more than one photo.



C.C.I. [UNIDENTIFIED DX]

Robert Grant, KD8EN
5775 Bishop
Detroit, MI 48224.
July, 1983.

TV unIDs:

- Mike Reid, 109 Arjay Crescent, Willowdale, Ontario, M2L 1C6, Canada.
- 1980: Thu 19 Jun Es ch 3 1206 EDT-- "The Young and the Restless" (CBS). Suspects WREG, check KBTX. Both carrying it?
Wed 19 Nov Es ch 3 0645 EST-- bar pattern, Res-C TP's. (resolution cards? -RG) suspect KTBS, KATC, KBTX. (Last time I saw KTBS in the early AM, 7/26/80, they had a 3/4 CBP w/ID in upper left. KBTX had several alternating test cards and ID slides, sounds like them. -RG)
- 1982: Mon 4 Jan Ms ch 2 0210 EST-- late news repeat. Large "2" on wall behind desk.
" " " " ch 2 0225 EST-- TP with white background, black vertical bar about 1/4 screen wide with grey scale in it running down the center of the pattern. (by this do you mean the TP the SRC stations used to run all night? -RG)
Tue 13 Jul Es ch 2 2308 EDT-- news (see drawing) (PTA:W) (KARD-3, which is on the same "state network" as KCKT-2 used to use a 3 in a triangle. so probably KCKT. -RG)
Wed 14 Jul Es ch 3 0035 EDT-- "Perry Mason" (PTA: TX, MS, LA, KS.)
Tue 20 Jul Es ch 3 1748 EDT-- CBC promo for "Donahue" (PTA: NS, NB, PEI, NF.)
Wed 21 Jul Es ch 2 0145 EDT-- "Columbo" delayed from Mon./Tue. (PTA: SD, WY, MT, NE, CO.)
" " " " ch 2 0245 EDT-- "NBC Nx Overnight", ø offset suspect KCKT, KNAZ. (I had an opening to KCKT at that time. They had NBC Nx Overnight. KNAZ is unusually far for Es. -RG)
" " " " 7 ch 4 0303 EDT-- "All Night Live" and "Newbreak 4" suspect WDIV. (Definitely not WDIV. sounds like KOA or KDFW. -RG)
Fri 13 Aug Ms ch 2 0440 EDT-- 2/3 CBP.
" " " " ch 2 0450 EDT-- Grey Scale TP. (Mike saw CKND2 with a Grey Scale 1 week before this.)
" " " " ch 2 0520 EDT-- Res-C TP.
1983: Mon 14 Feb Tr ch 32 0639 EST-- sports. wrote WFID, no reply. (could be CICO32 carrying another station or a phantom thru 59,18, etc. -RG)

Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.
1983: Tue 24 May Es ch 2 2339 EDT-- "M*A*S*H" and ad for AMDRO insecticide (never heard of it.) very strong signal through WJBE. station was minus offset.

FM unIDs:
Mike Reid, 109 Arjay Crescent, Willowdale, Ontario, M2L 1C6, Canada.
1982: Mon 7 Jun Es 89.5 1705 EDT-- end rel. pgm., heard address and wrote it. got a "Back to The Bible" station list. no station listed on that frequency or at that time (even xltrs) (PTA: LA, MS, AL.)

Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.
1983: Sat 9 Apr Tr 103.1 2100 EST-- Hockey game in French. Freq. may have been 102.9 or 103.3 (not sure) CFMK?

TV IDs:
Robert Grant
1982: Sun 11 Jul Es ch 4 2000 EDT-- FF, ø, not SRC. (Mike Reid IDed this as CFKM) (right you are. I IDed this a few months ago by telephone)
Fri 16 Jul Es ch 2 0330 EDT-- 2/7 logo. (Mike Reid says my drawing looks like that of CFAC, which is ch 2/CATV 7.) (Tnx 2 MILLIONS! I never suspected CFAC. This unID was driving me crazy! I thought I had snatched defeat from the jaws of victory. thanks to this info I'm writing CFAC. -RG)

I sure hope you're seeing more Es than I am 1, 73s



DRAWING 1

EASTERN TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee WI
54-216

July 1983 Deadline: 1st
Harry Hayes; 9 Henry St., Wilkes-Barre, Pa., 18702 EDT
Wow! This season is sure starting out slow, Isn't it? (here to.-wd)

| | | |
|------------------------------|------------------------|----------------------|
| May 1983 | May 1983 | May 1983 |
| 3 Es 1730 Unided-2 | 21 Es 2045 WEDU-3 FL t | 24 Es 2100 KPRC-2 TX |
| 14 Es 1830 WPEH-2 FL | Unid-4; CBS | Unided SS-2(Sus- |
| 18 Es 2237 Unided-2 picture | | pect Mexico on 2 Es) |
| 21 Es 2000 WPEH-2 FL intense | 24 Es 2030 KQTV-2 MO; | Unideds to ch.5. |
| 2030 WESH-2 FL | intense | |

Equipment here is a 12" RCA XL-100 with Finco ch.2-6 antenna supported on an old chair and cardboard boxes in my attic. This is attached to a Channel Master amp. Also connected to the RCA is a 6' parabolic dish antenna with Winegard 4990 amp. Other notes of interest: The new channel 32 xltr at Clarks Summit, PA w/1000 watts at 20 miles distance puts in a respectable, watchable signal here. This repeats WNEP-16 which replaced the old ch.73 which only faintly showed up here. Other xmtrs normally seen here are ch.56 Lake Ariel (WVIA-44); ch.64 Susquehanna, PA 55mi. (WVIA-44); ch.65 Mountain Top, PA 4mi. (WDAU-22); ch. 66 Mehoopany, PA 35mi. (WVIA-44); ch.76 Clarks Summit, PA (WVIA-44); ch.79 Clarks Summit, PA (WERE-28) and ch.79 Dallas, PA 7mi. These last two cause quite a bit of cci with each other, Dallas being the much stronger of the two. A dxer visiting the Wilkes-Barre area for the first time would be astonished I think to find that the VHF TV band here is totally clear of signals except when there's DX doing. (Sounds like Es paradise.-wd). The area yet is only 100 miles away from NYC. This is due mainly to the surrounding mountains which wipe out all signals from both Philadelphia and New York. (I can beleive it. I've seen tropo from Scranton many times but only once from New York.-wd) The closest VHF channel, 12, in Binghamton, NY at 65 miles away and this puts in a marginal signal in the city. Downtown here is a real haven for E-skip and for aurora Dxing on FM as well as MS. At my parents home in the Pocono Mountains it's a different story with watchable signals from both NYC and Philadelphia with an outdoor antenna. This however, doesn't deter the skip or tropo signals that much up there. Anyway you look at it, this area of Pennsylvania is a good area to DX from. Now if only this DX season would co-operate. Bill, the band just opened to Es on 5/24 at 2015 just as I finished typing this! ABC on chs. 2 & 3, looks like MO and LA; intense too.

Paul Mount; 471 Emerson Ave., Teaneck, NJ 07666 EDT
May 1982 May 1983
31 Es 1216 WEDU-3 FL t 24 Es 2156-2230 Cuba-3 t
1640 Unided-3 2235-2310 WEDU-3 t
"Tom & Jerry" 26 Tr 0030 KYW-3 PA
0034 WPI-6 PA
0035 WJAR-10 RI t

The suspected Cuban was running a movie or drama in Spanish, with no commercials or I.Ds seen. Alisaukas out in Western N.J. had Cuba on 5. Joe Fela had Miami FM's. The other station had a news program with FL politicians.

Location is about 10 miles N of NYC xmtrs. Antenna sits in attic, not pointed at NYC. This year the TV & FM are in the same room. Equipment: 1966 Sears Silvertone TV.

Mike Reid; 109 Arjay Cres., North York, ON M2L 1C6 EDT-EST?
Thought I'd use the opportunity of returning some photos to you as an excuse to send in a report. I've been in the club for over 10 years, so I figure it's time I sent one in. Feb.14 was a lot of fun. It has been a long time since I got 13 new stations in one opening(14, possibly, if WFLD answers my letter). I've been after some stations like WPTD-16 and WIMA-35 for a long time. This shows what these mid-winter openings can do. I was tipped off the day before by Dave Nieman, but didn't see anything until that night.

The skip season made a dim start on May 8 and 14, then got rolling with a Prairie skip opening on the 21st. Skip has been seen on more days this May than any other. A lot of auroral activity in the last few days, so I guess there will be more skip in the future. Hope this means a good season. 73's.

Eastern TV-DX

Jan. 1983
22 Tr 0005 CELFT-61 ON
0305 CKCO3-42 ON
CKGN29-29 ON
0308 WXYZ-7 MI
0641 WTVH-5 NY

Feb. 1983
13 Tr 2330 WTVS-56 MI
WKBD-50 MI
14 Tr 0007 CELFT-40 ON
0011 WTLW-44 OH
Lima
0021 CKCO3-42 ON
0100 CICO32-32 ON
0104 CHEFT-54 ON
Windsor
0112 WKOI-43 IN
Richmond
0131 WXYZ-7 MI
0141 WISH-8 IN
Indianapolis
WKYC-3 OH
WJKW-8 OH
0145 CKGN29-29 ON
0147 CICO59-59 ON
0155 WTEL-11 OH
(w/CHCH on)

May 24 Es 2342 two unided PES; ch.2
Equipment: Delhi 1047 at 37'; Delhi 5' dish at 42'; 14" Zenith b&w TV.

Cliff Rames; 5724 Grant St., Hollywood, FL 33081 EST-EDT
April 1983 April 1983 May 1983
1 Tr 0738 Unided-15 23 Tr 0740 WAWS-30 FL 309 9 Tr 2100 Unid-16;CBS
0739 WMAH-19 MS 627 0741 WFTV-13 FL 171 (sounded like WEMI)
0742 WECA-27 FL 401 (U's snowfree to 220mi) 2315 WJKS-17 FL
2359 WJHN-18 AL 479 22 Tr 0055 " "
2 Tr 0015 WECA-27 FL 401 May 1983 0100 WCJB-20 FL 290
0730 WCJB-20 FL 290 9 Tr 0737 WJKS-17 FL 308 24 Tr 2200 W21AB FL 80
Ft. Pierce(WTOG-44)

The makings of a decent tropo opening the a.m. of 4/1/83, but unfortunately I had to go to work at 0745. The logging on 5/9/83 (date approximate--I didn't write the date down in the log at the time) of Mystery 16 left me wondering. At station I.D. time I saw "16" and thought I heard something like "WEMI". There was also mention of an Atlanta. Any clues? 5/24/83 brought another WTOG-44 xltr. W21AB has a 1000 watt xmtr, 8db gainantenna, and + offset, according to WTOG-44's engineering dept. They also told me that that xltr just went on the air 5/19/83. It was off the air temporarily on 5/23/83 due to blown fuses.

Equipment: Panasonic 12" b & w #1215t, Winegard KU420 4-bay UHF at 20'; Radio Shack V-60 VHF at 16'.

Bill Fahber; 336 Atlantic, Bridgeton, NJ 08302 EST-EDT?
2-21 Tidewater & Richmond stations and Onancock translators all in strong shortly after midnight & again that morning. Unid 19 seen at 0845 could be Jacksonville, NC but no other trace of North Carolina stations. Weather map showed high area off VA-NC coast.

2-22 DX very good from Tidewater & Connecticut in evening until 2100, then quickly deteriorated.

2-27 At 2300: Tidewater U's, Richmond35, Onancock xltrs all in excellent. Weak CCI from Craddockville xltrs(52,58) over NJ stations.

March-April: No DX worth reporting.

5-7 Tidewater in at 1900, which is pretty early in the evening. Connecticut

Eastern TV-DX Fahber; continued--- July 1983
 20, 24, 30, 49, 53 in at 2200. WSMW-27, WSEK-38 t at 2230, along with weak signal from WHCT-18 (second time ever seen here). WLVI-56 at 2240. Evenings strongest DX seemed to be around 2100.

5-8 Few short CCI bursts on ch.3 at 2053, but didn't look like MS.

5-10 Tidewater U's and Richmond 8, 12, 35 in good at 2340 but Tidewater 10 and Onancock translators surprisingly poor. WUNM-19 also good signal.

5-13 CCI on ch.2 at 1245 (ABC at 0125); ch.3 at 1325 (Ø offset, very weak); PBS-2 at 1330; CBS-4 at 1335 definite Es from S or SW. Unid-5 at 1338 but could be airplane reflection. Ch.3 f/out at 1359 (naturally!).

5-14 At 2200 NYC V's unusually strong and weak signal from WTNH-8 CT, but absolutely no DX from any direction, either VHF or UHF.

5-17 Don Blavins reported Es from WI, MI, MN, Ont. on PSB, but I get nothing more than weak CCI on ch.2 to the west. MUF probably just skimming ch.2 visual.

5-24 Trace of CGI on ch.3 at 1830. KMTV-3 NE at 2000, with unidentified ch.2 ABC. Nothing on chs.4-6. Eastern Iowa radar on ch.2 at 2100 probably WMT-2 (now KGAN-wd).

5-25 Good DX all evening to Tidewater & Connecticut.

5-26 Arrived home at 1840 and found Es on chs.2-4. CBS-4 and KJRH-2 OK in. KTVY-4 OK in at 1855. KFSM-5 and ABC-5 simultaneous at 1855. PBS-3 at 1906 probably KOET-3 OK. KARK-4 AR from 1900 to 1930. Slight CCI on ch. 6 at 1931 with minus offset, maybe KEMV-6 AR. KDFW-4 TX at 1954 to 2000. NBC-5 at 2000. ABC-3 with "K" call at 2015. Skip beginning to fade out.

5-29 1300-1317 CBS-3, Ø offset to W or SW; maybe KBTX-3?

Last year I reported problems with images 18 channels above my local U's. The problem later disappeared. But in December I sabotaged my UHF-preamp system to use the preamp with my VHF-UHF antenna for the meteor showers. Suddenly the 18 channel ghosts began haunting the set. WNJS-23 came in so clear on ch. 41 one night that it produced another image on ch.59. I had considered taking the set to an exorcist, but my kids solved the problem by playing Tarzan on the 75 ohm. I now have a Winegard PS-7000 with my UHF dish, and the only time the phantoms show up is late on Saturday nights. Anyway, the winter MS was a fizzle and attempts to get MS on a VCR failed, but I did get to see a 3/4 cb tp on ch.7 with no identification.

One more thing I wish to bring up, and I'm curious to hear responses to this. Quite often during skip openings last year I had two sets on, a portable on top of a large set. Both connected to the same antenna (without a splitter; I really operate first class!). Plugged into the same wall outlet, and turned to the same channel (sometimes ch.2; sometimes ch.3). You would expect the same picture, right? (not necessarily-wd). Nope! Why is it that one set will show the local station with only a trace of interference while the other set will show the skip station with only a trace of interference? (Since you're not using a splitter when you hook both sets to the same antenna, there's no isolation between the two sets. The point where you tapped into the line to the second set is acting as a trap of some sort to the first set, or vice versa. Use a splitter and you shouldn't have that problem.-wd)

Richard Reese; 421 Marion St., Jersey Shore, PA EST-EDT

| March 1983 | May 1983 | May 1983 |
|---------------------------|---------------------------|---------------------------|
| 23 Es 2035 WSB-2 GA 660 | 13 Es 1338 WEAR-3 FL 950 | 24 Es 1800 WTVJ-4 FL 1100 |
| | 14 Es 1631 WPBT-2 FL 1100 | 1959 KETS-2 AR 945 |
| | 21 Es 1924 WESH-2 FL 875 | KTVI-2 MO 725 |
| 11 Es 1055 WERZ-2 LA 1090 | 1943 ICR6-3 CU 1330 | 2029 KQTV-2 MO 940 |
| 1059 WMAB-2 MS 865 | 1959 WTVJ-4 FL 1100 | KTVO-3 MO 800 |
| KATC-3 LA 1150 | WPBT-2 FL " | 2100 WPBT-2 FL 1100 |
| WVL-4 LA 1075 | 2029 WPTV-5 FL 1035 | 2230 WESH-2 FL 875 |
| 13 Es 1143 WEDU-3 FL 980 | 24 Es 1459 WEAR-3 FL 950 | 2310 WLBT-3 MS 955 |
| 1200 KPRC-2 TX 1305 | WKRG-5 AL 960 | WCBI-4 MS 825 |
| 1216 WTVY-4 AL 840 | 1502 KPRC-2 TX 1305 | 2322 KQTV-3 MO 910 |
| 1227 KBTX-3 TX 1305 | 1525 WVL-4 LA 1075 | 2325 WTVJ-4 FL 1100 |
| 1330 WDIQ-2 AL 885 | 1530 WDSU-6 LA " | 2329 KJRH-2 OK 1075 |

Eastern TV-DX

May 1983

24 Es 2329 KTVY-4 OK 1175
 2341 WEAR-3 FL 950
 25 Es 0013 WMAB-2 MS 885
 1129 KQTV-3 MO 910
 1147 KQTV-2 MO 940
 1158 KMTV-3 NE 985
 1201 KDLO-3 SD 1040
 1230 CBWFT7-2 ON 1045
 Kenora

Reese; continued---

May 1983

26 Es 1754 WESH-2 FL 875
 1756 WTVJ-4 FL 1100
 1759 WPTV-5 FL 1035
 1816 WCIV-4 SC 615
 1817 WCPX-6 FL 930
 1830 WCIX-6 FL 1100
 1831 WCTV-6 GA 860
 1900 WABG-6 MS 895

May 1983

26 Es 1901 KALB-5 LA 1105
 WLBT-3 MS 955
 1907 KRAL-6 LA 1110
 1910 KTBS-3 LA "
 1912 WWL-4 LA 1075
 1917 KJAC-4 TX 1225
 1955 KATC-3 LA 1150
 1959 KFDM-6 TX 1235

Lots of Es seen in May, but where did the tropo go? Well, maybe next month. Equipment is still the same: RCA 9" b&w; 4 bay bowtie for UHF; homemade antenna for VHF, which works quite well for Es, and not too bad for Ms and Au, but not very good for tropo beyond about 300 mi.

George Rogers; 320 Lafayette Road, Chickamauga, GA 30707 EDT

April 1983

28 Tr 0815 WALA-10 AL
 0840 WKRG-5 AL
 Es 1945 XHRPM-2 Chis
 29 Tr 1055 WKRG-5 AL
 1100 WPTM-13 AL
 1105 WALA-10 AL

May 1983

6 Es 1735 XET-6 NL
 1930 XHRPM-2 Chis
 8 Es 1738 KTCB-2 MN
 9 Tr 0805 KATV-7 AR
 0806 WVTM-13 AL
 0808 WFTO-21 AL
 0810 WEMG-42 AL
 0812 WAPT-16 MS
 0819 WTVB-9 MS
 0821 WMAB-2 MS
 0825 WJWL-15 AL
 0836 WBIQ-10 AL
 0841 WHIQ-25 AL

May 1983

20 Es 1841 KSNB-2 KS
 1853 KOA-4 CO
 22 Es 1130 KPRC-2 TX
 1134 KMOL-4 TX
 1136 KENS-5 TX
 1210 KMID-2 TX
 1300 KJRH-2 OK
 1311 KSNB-2 KS
 1315 KWGN-2 CO

May 1983

1 Tr 1005 WMAB-2 MS
 1010 WBBJ-7 TN
 1726 WTVW-7 IN
 2 Tr 0920 KALB-5 LA
 Alexandria
 0940 KPLC-7 LA
 Lake Charles

May 1983

10 Es 1725 KNOP-2 NE
 11 Es 1247 CKCO-2 ON
 Tr 2020 WATL-36 GA
 2045 WFTV-30 GA
 2220 WXIA-11 GA
 13 Es 1046 WESH-2 FL
 1202 KMID-2 TX
 1314 KWGN-2 CO
 1333 KDIX-2 ND
 1336 KUSD-2 SD
 1340 KGFE-2 ND
 1405 KNOP-2 NE
 1417 KSNB-4 NE

May 1983

23 Es 1350 TR-2 Cuba
 1910 XHD-4 Tamp
 24 Es 0930 XHRPM-2 Chis
 1000 XHAA-4 Chis
 1512 TR-2 Cuba
 1530 ICR-2 Cuba
 1535 XEW-2 DF
 1553 TR-4 Cuba
 1800 WKAQ-2 PR
 1905 XEPM-2 Chih
 1910 KDCC-4 TX
 1912 KIVV-5 SD
 1918 KOSA-7 TX
 1920 KMID-2 TX
 1926 KAVB-6 NM
 1932 KUSD-2 SD
 1940 KPLO-6 SD
 2050 CKRN-4 PQ
 2052 WTM-4 MI
 2054 CBFT-2 PQ
 2059 WCHH-2 MA
 2100 KGFE-2 ND
 2102 WBEZ-4 MA
 2120 KDIX-2 ND
 2200 WCBS-2 NY
 2205 WLBT-2 ME
 25 Es 0931 WGHH-2 MA
 0950 WBEZ-2 ME
 1000 CKCW-2 NE
 1038 WKTV-2 NY
 1052 CKCO-2 ON

May 1983

Es 1105 KSNB-2 KS
 1910 TR-2 Cuba
 1935 WPBT-2 FL
 3 Es 1630 CKGN-2 ON
 5 Es 1205 KMID-2 TX
 1252 XEPM-2 Chih
 2130 KPRC-2 TX
 6 Tr 0830 WTVK-26 TN
 0840 WCTE-22 TN
 Es 1455 XEPM-2 Chih
 1500 KMID-2 TX
 1505 KENW-3 NM
 1511 KDCC-4 TX
 1522 KWAB-4 TX
 1530 XEJ-5 Chih
 1555 KXAS-5 TX
 1600 KDFW-4 TX
 1630 KCEB-6 TX
 1645 KMOL-4 TX
 1650 KENS-5 TX
 1700 XHPNS-6 Coah
 Piedras Negras
 TRM Net.

May 1983

14 Es 1550 KUSD-2 SD
 1558 KTCB-2 MN
 1609 CKPR-2 ON
 15 Tr 0920 WALA-10 AL
 0925 WMAZ-13 GA
 0930 WKRG-5 AL
 Es 1020 KMOL-4 TX
 1025 XHD-4 Tamp
 1107 KGFT-4 TX
 1110 KRGV-5 TX

May 1983

16 Es 1330 KATU-2 OR
 1350 KOMO-4 WA
 Seattle
 18 Es 0920 CKPR-2 ON
 19 Es 2155 KMID-2 TX
 20 Es 1040 KJRH-2 OK
 1835 KWGN-2 CO

May 1983

1705 KPRC-2 TX
 1710 KRIS-6 TX
 1715 KIII-3 TX
 1725 KRGV-5 TX
 1730 KGFT-4 TX

May 1983

16 Es 1330 KATU-2 OR
 1350 KOMO-4 WA
 Seattle

May 1983

Equipment: RCA 12" portable Model #AFR-246-W.

Like last year, the month of May has been a wild month for TV-DX. On May 2nd I had my longest tropo opening ever as I got in KPLC-7 in Lake Charles, LA at a distance of 665mi. On May 16th I had another 2 hop E-Skip. This time to the Pacific Northwest as I got in KATU-2 in Portland, OR and KOMO-4 in Seattle WA. They were both airing a Love Boat rerun on a two hour delay and I've picked them both up each with a snowy picture and good sound. And, I had an early high band E-Skip on May 24th when I picked up KOSA-7 in Odessa, TX. They had their newscast on at the time. The way this DX season had been starting, it should be a great season for Es and Tropo in June and July. Lets hope all TV dxers get a piece of the TV-DX action. 7s and 3s for now.

WESTERN TV-DX

July 1983

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 8- 5-83

Lots of reports this month with the return of E skip. It remains to be seen how good the season will be, but comments from reporters seem to be optimistic. I wonder if we DX'ers are ever really satisfied with the quality of the DX we see?

I am particularly disappointed to not have seen any super tropo yet. Conditions seem to have been notably poor. However, some of the reports include some very nice tropo loggings. (Long haul tropo seems to be the ordinary thing for Pizzi and Draeb).

Tropo DX for me begins beyond 250 miles since KTMA-23 and WFBT-29 are always present, although nothing to boast about.

| New | New Mode | Tentative - t | Unidentified - unid |
|--|----------|---------------|---------------------|
| James J. Stiles, CFAO/NAFK, Box SU/LR ADP, FPO Seattle, WA 98770 (Okinawa) | | | JST |

Equipment: Sharp 26" PAL/SECAM/NTSC color model C261-SPN, Radio Shack TV-20 outboard audio tuner, Grove Power-Amp wide-band preamp, three element 50 MHz yagi, Grove Scanner Beam.

- 25-28 April 1700-1830 Unid China channels C1 and C2 seen with Peking network test pattern followed by English lessons. Opening on 26 April was best, with local quality PAL color signal on channel C1 observed.
- 8 May 1430 Unid China channel C1 observed with Peking network test pattern.
- 14 May 1830-1930 Unid China channels C1 and C2 seen with mathematics lessons. Some color.
- 15 May 1130-1330 Unid China channel C1 with dramatic program until 1200.
- Russia channel R1 from Vladivostok and unid channel R2, both with dramatic program from 1200-1215.
- Philippines channel A4, DGTV, Quezon City, with program entitled "Children's Hour" in English, from 1215 to 1300.
- Philippines channel A2, DMWX, Quezon City, with musical concert, and Manila real estate commercials in English, until 1330.

The summer E-skip season appears to be off to a good start. The brief early evening openings to China were rather common last summer and probably will be this season too. The Russia logging represents a new country for me from Okinawa. 73, Jim.
(Congratulations on adding Russia to your log book! fm)

Ronald Purdue - Route #1, Box 224, Byron, MN 55920 CST/CDT

Equipment: RCA 1982 XL-100 color, J.C. Penney 5" b&w portable, Winegard CH-7084 with Winegard AC-9880 pre-amplifier at 28' above ground level.

| Not much of a report so far this spring! The weather has just been so "unusual" here in southeast Minnesota this spring, DX-wise. The 24th, I saw an E-skip opening from channel 2 to 5 between 2000 and 2020, but I didn't get any call letter catches. Sorry. | April 1983 | May 1983 |
|---|---------------------------|---------------------------|
| | 23 tr 1807 KCBR 17 IA 178 | 7 tr 1657 WVCY 30 WI 237 |
| | 24 tr 0738 WMTV 15 WI 168 | 9 tr 0812 KCBR 17 IA 178 |
| | 29 tr 0713 KCBR 17 IA 178 | 17 tr 0722 WJFR 23 IL 194 |
| | | 24 tr 2028 KELO 11 SD 217 |

In the local and regional TV news, Minneapolis-St. Paul may get a full power channel 45 (if they already haven't?), and WFBT-29 in Minneapolis has viewers out to about 75 miles (after seeing ads from western Wisconsin and from Hector, MN).

In the local TV news, Rochester looks like it will be getting a Multi-Point Distribution Service (MDS) to rebroadcast HBO or the Movie Channel in about six months. No sign of KXLI-47 being on as yet. I guess that work on the tower northeast of the city has not begun as yet.

Well, that will wrap up another report for this month. It just looks like we are going to have a Good DX season again this year! See you in 30. 73's.

Western TV DX

July 1983

Paul Mitschler, 508 Watson, Topeka, KS 66606

CLT7

August 1982

22 tr 0840 KHIN 36 IA 164
KHNE 29 NE 191
KYNE 26 NE 161
KXNE 19 NE 248
KMEG 14 IA 251
K33AC 33 NE
(Pawnee City KUON-12)

KBIN 32 IA 159
KRIN 32 IA 300
K24AC 24 NE
(Falls City KUON-12)

K23AA 23 NE
(Beatrice KUON-12)
KYIN 24 IA 273
KDUBT 40 IA 355
KCCI 8 IA 219

31 tr 2030 K33AC 33 NE
KHIN 36 IA
K24AC 24 NE
KYNE 26 NE
KHNE 29 NE
KBIN 32 IA
KRIN 32 IA

KTIN 21 IA 243
KOZK 21 MO 188
KDNL 30 MO 281
2121 K60AK 60 IA 103
(Clarinda KETV- 7)

K56AF 56 IA 103
(Clarinda KMTV- 3)
K58AE 58 IA 103
(Clarinda WQWT- 6)

K64AH 64 IA 103
(Clarinda KDIN-11)
K46## 46
(Unknown KMTV- 3)

K66AL 66 IA 103
(Clarinda WHO- 13)

31 tr 2030 K7OEN 70 KS 62
(Manhattan KAKE-10)

September 1982

1 tr 0632 WSBT 22 IN 526
WFLD 32 IL 464
unid 62
unid 60

46 relig.
WSNS 44 IL 464
WMBD 31 IL 338
KHNE 29 NE
WEEK 25 IL 464

15 tr 1900 KNLC 24 MO 281
KHIN 36 IA 164
KBIN 32 IA
16 tr 0625 WEEK 25 IL 329
WICS 20 IL 329
unid 35 PBS

29 tr 2205 WBAK 38 IN 438
KCBJ 17 MO 158

October 1982

4 tr 0725 Excellent reception on Clarinda xltrs.
K24AC snow free
K23AA snow free

December 1982

(Exact date unknown)
? tr 2147 WEEK 25 IL 337
WMBD 31 IL
KCMC 34 OK 272
K38## 38 OK ???
WBLN 43 IN
WTVP 47 IL 338

It has been some time since I have had the opportunity to send in a log. I have moved several times since my last reporting, and I have not had very good reception here. My latest location has now enabled me to get very good reception with just 10 feet and a UHF amplifier. My main problem has been with harmonics from our local KTSB-27. I do not expect things to improve with the sign-on of KLDH-49 in early June.

Probably my best catch this year has been that of several Dallas stations and WFBN during February and March of this year. Dave Pomeroy and I had both observed good signals from Texas the evening of March 30 and neither had ever seen Dallas UHF in Topeka before.

Dave had received the Clarinda, Iowa translators before, but this has been my first reception of them. I was also glad to pick up K7OEN from Manhattan this spring. It was a new catch for me in Topeka.

I have not been able to locate any translator for KMTV on channel 46. I just caught the ID and then lost it. That certainly is a difference!

(I, also, was unable to find a channel 46 translator which carries KMTV. Can anyone help? fm)

Jeff Kadet, W3CRH/9, Macomb, IL 61355

Although I did a lot of TV DX'ing from Boston, Mass. between 1963 and 1965 when WGBH-2 didn't sign on daily until 4 PM (best catch was XEW-2 on double hop), the dream of living in a prime TV/FM DX location has finally become a reality by deciding to move to Macomb from Washington, D.C., home for the past 18 non-TV/FM DX years.

Frank Merrill deserves a lot of credit for "co-discovering" Macomb, where the entire low band is basically vacant and all there is on the high band are channels 7 and 10 in Quincy which is about 55 miles away. The closest UHF'er is K38AB, 35 miles away. There is a CP in Macomb for a PBS station on channel 22 which could be on the air in the next

Jeff Kadet (continued) 1 1/2 years if they get financial backing. Do any members have experience with trapping out locals while still using top-of-the-line UHF amplifiers? If so, I'd like to hear about what type of trap is best and any other advice they can give.

So, I'll be starting new TV and FM logs from scratch on July 1st when I move, and I can't wait to begin. Frank and I figured that Mexicans will become pests on Es, and sure enough, on 5/11 one was coming in briefly on channel 3.

Anyway, the Macomb log looks like this so far; stuff I saw on a trip in May to check out the town and rent a house, while staying in a Western Illinois University dorm room on the third floor facing south. These are probably all regulars, so I won't list the distances.

| | | | |
|----------------------|----------------------|----------------------|----------------------|
| May 11 tr WAND-17 IL | May 11 tr WBLN-43 IL | May 11 tr WRSP-55 IL | May 13 tr KOMU- 8 MO |
| WRAU-19 IL | WTVP-47 IL | May 13 tr KRCC-13 MO | May 14 tr KFLR-11 MO |
| WICS-20 IL | Channel 49 | KTIN-12 IA | KTVI- 2 MO |
| WEEK-25 IL | xltr of WCIA. | KETC- 9 MO | KSDK- 5 MO |
| KDNL-30 MO | Location? | KCBJ-17 MO | KTVQ- 3 IA |

(Jeff, your channel 49 translator is W49AA in Springfield. Good to have you back to active DX'ing. I remember those years when you were DX'ing, and also more recently, I recall being surprised to see you during the evening news on WDAY-6. As I recall, one of their reporters was in Washington, and she did a feature on your TV Guide collection. I believe you showed her a photograph which you had taken of WDAY-6 via E skip. Or was it KLJB? fm)

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3432 MST/MDT

| | | | | |
|-----------------------------|-------|-----------------------|-----------------------------|-----------------------|
| April 1983 | 6 Es | 1 WJBF 6 GA 1238 | 19 Es | 2035 unid ch 2 ne ABC |
| 18 tr 0826 Tulsa 23,41 473 | | 1500 WCSC 5 SC 1359 | 20 tr 0800 K63CA 63 TX 116 | (Bovina KFDA-10) |
| 28 Es 2057-2210 unid 2 Mex. | 10 LS | 0012 KGM 34 OK 380 | 0830 D-FW 21, 27, 39 | |
| (SS educational) | | 0013 KOKH 25 OK 380 | 0900 Austin 18,24,36 | |
| tr 2320 Houston 20,26,39 | | 1934 KAUT 43 OK 380 | 2107 D-FW 21,27,33,39 | |
| 515 miles | | | KWEX 41 TX 380 | |
| 2328 KVEO 23 TX 576 | | | Es 1710 WJBK 2 MI 1260 | |
| 2334 KAVU 25 TX 468 | | | 1729 KTCA 2 MN 968 | |
| 2340 Austin 18,24,36/ | 12 tr | 0749 K42AG 42 OK 300 | 1735 unid ch 2 nne | |
| 377 miles | | (Strong City KOKH-25) | 21 Es 2000 WCCO 4 MN 968 | |
| 2358 KWEX 41 TX 380 | | 0750 K38AM 38 OK 300 | 2007 WEDU 3 FL 1300 | |
| 29 tr 0801 KLAXt 31 LA 644 | | (Strong City KTVY- 4) | (Off same Es cloud?) | |
| (Jack LaLane) | | K40AG 40 OK 300 | 2024 KATC 3 LA 684 | |
| 0810 KLTL 18 LA 630 | | (Strong City KWTW- 9) | 2059 WTVJ 4 FL 1508 | |
| 0812 OKC 14,25,43 380 | | K49AQ 49 TX 195 | 2100 WPBT 2 FL 1508 | |
| | | (Clarendon KVII- 7) | 22 Es 1322-50 unids 2-5 nw | |
| | | K82BB 82 OK 328 | 23 Es 2050 unids chs 2-4 e | |
| | | (Seiling KTVY- 4) | 2105 unid 2 ne Canada | |
| May 1983 | | 0800 K77AQ 77 TX 200 | 2113 WDTN 2 OH 1152 | |
| 1 tr 1134 XHIJ 44 CH 205 | | (Estalline KVII- 7) | 2124 unid ch 4 ne | |
| 5 Es 2004 WCB 2 SC 1359 | | (Plus Houston 20, 26, | 2152 KHQ t 6 WA | |
| unid ch 6 east | | Austin 18,24,36, DFW | 2200 KREM 2 WA 1224 | |
| 2112 WKZO 3 MI 1148 | | U's and OKC U's) | 24 Es 0840 XEW t 2 DF | |
| 2116 WBEW/WJBK ch 2 | | | 0845 unids 4,6 Mx edu | |
| 2118 unid ch 4 ne | 13 Es | 1210-1250 unids 2-6 | 0847 unid 3 (XEW net) | |
| 2112 WSB 2 GA 1098 | | (Spent time on FM - | 1829 WDIQ 2 AL 1008 | |
| 2128 unid 2 ene PBS | | Sacramento, CA area) | 1830 WCB 2 SC 1359 | |
| 6 tr 0745 KLTL 18 LA 630 | 14 Es | 1040 unids ch 2 ne | 1832 unid ch 3 east | |
| KLPB 24 LA 684 | | 1045 WITW 2 IN | 2150 CKND# 2 MB 1184 | |
| WGNO 26 LA 819 | | 1051 WTTV 4 IN | 0847 unid 3 (XEW net) | |
| WULTt 20 LA | | 1055 unid 5 ne - off. | 2159 CKTV 2 SA 1188 | |
| WLPB 27 LA 743 | | 1059 unid 4 ne 0 off. | 2159 KDIX 2 ND 936 | |
| KVHP 29 LA 630 | | (Not WTTV) | 2200 unid ch 2 north | |
| 0800 WRBT 33 LA 743 | | | 2203 unid ch 5 n ABC | |
| Es 1356 WSB 2 GA 1098 | | 1102 KTVI 2 MO 824 | 25 Es 2140 unids 2,3 Mexico | |
| 1357 WWAY 3 NC 1463 | | 1103 WCIAt 3 IL | 26 Es 0850-1000unids 2-6 FL | |
| 1400 WYFF 4 SC 1206 | | (0 kHz to KENW w/CBS) | 1829 WSJK 2 TN | |
| 1 WAGA 5 GA 1098 | 15 Es | 1132 unid ch 2 ne CBS | | |
| | 16 tr | 0906 Houston 20,26 | | |

Thirteen days of Es in this report period. Good tropo on 4-28, 4-29, and 5-12. Season starting off good - hope it keeps up. I spend a lot of time on the FM when channels 2-6 are a mess with Es. 73's, Best of DX, Jim

John Ebeling, 9209 Vincent Ave. S., Bloomington, MN 55431

CDT?

From cabin at Prosit, MN with TV on and set to channel 2 all last weekend (5/21-22), produced the following:

5-21 1130-1300 Es with good ID from CFAC- 2, Calgary. Very strong at times, but no other Es.
5-22 Auroral hash on channels 2-4. No ID.

From Bloomington:

5-24 1800-1845 KATC- 3, Lafayette, LA.

Had about twenty minutes of FM Es at the same time, but no ID's on the two (that's right, 2!) FM stations skipping in on the FM dial.
(FM has been slow here too. Always glad to get a TV report from an FM'er! fm)

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CLT?

Not much DX last month; hence, no report. Es started to come to life here the past few days, so I hope it continues.

| | | | | |
|---------------------------|-------|----------------------|---------------------------|--------------------------------------|
| March 1983 | 10 tr | 2200 WKYT 27 KY 473 | 21 Es | 2200 CBHT 3 NS 1170 |
| 25 tr 2000 KNLC 24 MO 432 | | WTVQ 36 KY 473 | 2220 CJCB 4 NS 1350 | |
| KDNL 30 MO 432 | | WKLE 46 KY 473 | CJPM 6 PQ | |
| WTVQ 36 KY 473 | | WKPC 15 KY 437 | CPCMt 4 PQ | |
| WKLE 46 KY 473 | | WBTI 64 OH 400 | other unids 2-6 | |
| | | WKPC 15 KY 437 | 23 tr 2048 WGRB 34 KY 508 | |
| | | 2226 WPBY 33 WV 498 | WTVQ 36 KY 473 | |
| April 1983 | 11 tr | 2000 WTVQ 36 KY 473 | 2245 WKWJ 68 KY 437 | 24 Es 1850 KOUS 4 MT 988 |
| | | WKLE 46 KY 473 | W68AA 68 IL 300 | XXLF 4 MT 1219 |
| | | | (Danville WAND-17) | KRTV 3 MT 1159 |
| May 1983 | 1 tr | 1059 KCBrt 17 IA | 2249 WVUT 22 IN 405 | 24 Es 1850 KOUS 4 MT 988 |
| | 2 tr | 1935 WTVQ 36 KY 473 | WFIE 14 IN 420 | XXLF 4 MT 1219 |
| | | WGRBt 34 KY | K47AF 47 MI 100 | KRTV 3 MT 1159 |
| | | Es 2030 unid ch 2 nw | (Iron Mountain KTBN) | KTVQ 2 MT |
| | 4 tr | 0810 KDNL 30 MO 432 | (Scrambled video) | KDIXt 2 ND |
| | | 1930 WTVQ 36 KY 473 | | 1911 KTVMT 6 MT |
| | 5 tr | 0735 KCBrt 17 IA | 19 Es ??? unids chs 2,3 s | 2003 KFBt 5 MT |
| | | WDRB 41 KY 437 | 20 Es 1015 KDIXt 2 ND | 25 Es 1200 unids chs 2-4 s |
| | | WGRB 34 KY 508 | 1020 KBME 3 ND 663 | 1300 KCWC 4 WY 1058 |
| | | (Campbelsville) | (Bismarck) | KYUS 3 MT 897 |
| | | WXIX 19 OH 400 | 1026 KWSE 4 ND 811 | (CBS, + offset) |
| | | WCVN 54 KY 407 | (Williston) | 1911 KTVMT 6 MT |
| | | WKON 52 KY 437 | 1225 CFCN 4 AT 1310 | 2003 KFBt 5 MT |
| | | | CFACt 2 AT | 25 Es 1200 unids chs 2-4 s |
| | | | 21 Es 2058 CJBRT 3 PQ 951 | 1300 KCWC 4 WY 1058 |
| | | | CHSJ 4 NB 1085 | (Lander, ID-1330 sign/off- 1400) |
| | | | | KTWO 2 WY 947 |
| | | | | ("K2" ID seen at 1400 under WBAY- 2) |
| | | | | 1340 KID 3 ID 1214 |
| | | | | (Local News) |

Surprised to see all those new ones on Es. It usually takes a while to snag that many. Surprised to see KCWC-4 sign/off at 1400. They were snow free in here at the time they pulled the plug. Must be short of finances.

That scrambled translator on channel 47, I saw, is in Iron Mountain, Michigan. They were nearly snow free when I saw them. I wonder if the channel 47 in Crystal Falls, Michigan is still on, seeing as how they're on the same channel? There probably have been a few changes since WFRV-5 and WLK-11 swapped networks, but I haven't noticed any yet.

WGRB-34 is a minus offset, the same as WNIT. In the May 81 VUD, they're listed as a zero offset, but Bill Fahber says that's a mistake.

An interesting note; so far all the good Es has been from the east or west. Still waiting for a big one to the south. Hope it continues, wherever it comes from. 73's for now. Bill

(Bill, regarding your question concerning whether or not KSRE-6 is back on the air; it is not. Also, anyone watching the North Dakota PBS stations this summer can expect them to have unusual schedules like what you reported for KCWC. (KCWC-4 came on the air on May 10). Basically they are only on at night, except on Sundays; there does seem to be some children's programming around noon. A point of interest for DX'ers, don't expect visual ID's with call letters for ND PBS stations. They give call letters aurally, and they always use ID slides which say "Prairie Public Television." fm)

Nathaniel Ely, 1237 East Johnson St., Madison, WI 53703

CDT

Equipment: For VHF: 1980 Zenith System III with remote (19"), Quantum 1110 with RMS balun (traps: Quantum FM, Winegard plug-in (TP series, 88.7 MHz), PICO channel 3 CATV trap (Super Notch Filter)), 1250 preamplifier. VHF antennas are at 57' agl with 70' of .412 aluminum cable and 30' of RG11 indoors. I switch between the CATV and antennas with a DCS-A/B (same as General Instruments, et. al.) from ColorMax (0.2 dB insertion loss, 90 dB isolation). I am using a second channel 3 PICO trap after the power supply. I also use a DA-805 distribution amplifier, in or out, depending on conditions. I also have an AMN-Lo signal mixing/splitting unit from Jerrold when I wish to concentrate on a particular low band channel during meteor showers.

For UHF: Channel Master 7' dish with 4990 preamplifier, feed at 60' agl, 70' run of .412 cable and 30' RG11 indoors. I'm using an RMS variable attenuator to "dial in" gain at the set terminals. I'm also using the indoor/outdoor balun from Radio Shack (Antennacraft) for the set terminal balun. I also use the DA-805 amplifier after the locals sign/off, but the noise figure is pretty high for UHF.

I have a Quasar VCR (I'm not sure of model number) that I haven't mentioned in the past, because it is a real dog!! It has those terrible thumb wheels for tuning and definitely is not for DX. I tried taping some ms once and was very disappointed.

| | | |
|---------------------------|---------------------------|-----------------------------|
| April 1983 | 10 tr 0450 WDHO 20 IN 310 | 20 Es 1103 unid ch 2 wnw |
| 25 ms 0125 unid ch 2 nne | (PTL Club) | 1848 unid ch 2 wnw |
| (Louis Armstrong sing | 0500 WANE 15 IN 245 | 1912 unid 2 ssw SS |
| with sound and color) | 0532 W70AO 70 WI | 24 Es 1831 CFAC 2 AT 1325 |
| | (Fond du Lac WISN-12) | 1838 WGBH 2 MA 970 |
| May 1983 | 0605 WBCU 57 OH 310 | 1925 KBCT 2 ID 1360 |
| 5 Es 1300 unid 2 sse ABC | 0608 WJWG 33 IN 245 | 1930 KWGN 2 CO 860 |
| 1423 KTVQ 2 MT 966 | 11 tr 0033 WHMB 40 IN 280 | KUTV 2 UT 1175 |
| 1432 KFBB 5 MT 1134 | 0050 WXIX 19 OH 375 | 25 tr 0156 KDNL 30 MO 315 |
| (Strong Wow!) | 0130 WLEX 18 KY 430 | 0303 WHO 13 IA 245 |
| 1432 unids 4 - two at | (0138 sign/off) | Es 1130 WLBY 2 ME 1050 |
| once. Had to go. | 0131 WKEF 22 OH 350 | 1200 WGBH 2 MA 970 |
| 6 tr 0011 KEYC 12 MN 245 | (Over WSBT-22) | KBCI 2 ID 1360 |
| 9 tr 0200 WANE 15 IN 245 | 15 tr 0109 KCBR 17 IA 245 | 1330 KTWQ 2 WY 865 |
| (Chs 21, 55 also in) | 18 Es 1333 CKTV 2 SA 850 | 1400 KTVQ 2 MT 965 |
| 0241 WHMB 40 IN 280 | 1417 CKSA 2 AT 1170 | 26 Es 1015 unid ch 2 Mexico |
| 10 tr 0400 WEYI 25 MI 270 | 1430 CITL 4 AT 1170 | 1028 unid ch 5 Mexico |
| 0420 KDNL 30 MO 315 | 20 Es 1056 unid ch 2 wnw | 1100 KMID 2 TX 1025 |
| KPLR 11 MO 315 | ("Community schools | 1354 KUTV 2 UT 1175 |
| 0430 WKON 20 MI 315 | in Alberta") | 27 Es 1200 WGBH 2 MA 970 |
| (0500 sign/on) | 1100 unid 2 wnw CBC | 1228 WCBZ 2 NY 820 |

After a very poor March and April, things are really looking up. Some trop ducting to the south-south east as well as much needed Es has increased my log by 15 ID's. I've had poor luck with Es in the past, and this month's openings were quite thrilling. The opening on May 5th was so strong it literally gave me goose pimples. At times, there were no CCI lines visible on channels 2 and 5. My girlfriend finally got to see some terrific DX; I think she was beginning to think I'm loose in the head.

I opted for a 56 foot tower which was completed on the 24th. This gets me up to the top of the tree line and over all nearby buildings. Fear of being hit by lightning as well as economic constraints were major considerations in my decision to stick with 56 feet. I haven't sorted through what the added height will do to my "usual conditions," but KXLI-41, KDNL-30, and WHMB-40 seem to be in with very weak signals all the time (roughly 300 miles). For now, I'm still reporting stations at 245 plus miles.

The little "pip-squeak" channel 55 in Milwaukee seems to be having additional technical problems. I have noticed it translating WCGV-24 in STV format late at night. They broadcast from the same tower as WCGV, so this has got to be the shortest distance phantom translator in existence!

That's it for now. It's been a great month, and I'm really looking forward to June. 73's, Nate

(I note in your loggings on May 25 at 1200 what would seem to have been a likely time for some double hop Es across the northern US. I wonder if anyone saw anything? fm)



ANTENNA NEWS

Doug Dornbos
931 Boon Street
Traverse City, MI
49684

July 1983

"This is one thing that I was gonna wait awhile before we talked about but maybe we'll talk about it now so you can think about it because you all, we all, have to make some kind of plans for ourselves."

-stage announcer, Woodstock Music & Arts Festival

Dear Fellow DX'er,

As I read a very welcome letter from Nate Ely this week, the above words kept ringing in my head. Nate brought up a very pressing point affecting our hobby, that of where and how to buy the products we desire. A look at the problem from the other guys point of view might be in order.

The most obvious place to buy antenna supplies is the local antenna retailer or installer. The problem arises in that the man is in business to make money. Helping you to track down an oddball part for an hour only to make a dollar or two represents a loss to him. To combat this loss situation, many retailers hire cheap store help to wait on customers. Most of the time they know little or nothing about antenna systems. Also discouraging is the number of installers who know only how to put up the area special and know little of troubleshooting interference problems etc.

Distributors (where the dealers buy their products) are another matter. They often have personnel with much antenna knowledge but generally do not retail so as to be in competition with their customers. If they do retail, quite often their sales people are less patient with people who take up a bunch of time with a weird problem. They are geared up for sales to regular accounts and as such, their regular large customers are worth an infinitely higher dollar amount than you, the DX'er, will ever be. It is only natural for them to spend their time where it is most profitable. The distributors also do not usually have alot of installation experience although they do have the advantage of gleaning the installation tricks of several different dealers. I owe much to the dealers I called on.

There is now a new breed of distributor on the scene, the CATV supplier. These are usually large regional outfits and quite difficult to deal with for a very good reason: They supply products which allow their customers the security of an income namely descramblers, converters, decoders, etc. Selling these products to unauthorized personnel automatically defeats the security that their customers assume they have purchased. From a business point of view, they would be foolish to risk their credibility by selling to someone who is only going to help their income by a small amount. At this point I can hear DX'ers screaming that they only want to buy traps, filters, connectors, cable, etc., products going on antenna systems, not products allowing them to steal services from the local cable company. True enough, but from the distributors point of view it is much easier to police customers as either eligible or ineligible to purchase rather than to allow some customers to buy some products and others to buy other products. The record keeping would be a nightmare.

The manufacturer is sometimes a last resort in the search for a particular product. Manufacturers are usually very helpful on the telephone but most times will refer your purchase to one of their regular customers, maybe the same guy who wouldn't sell to you earlier. This is to protect franchises & to keep the sheer number of people their shipping department has to deal with down. Shipping and billing many small orders is much costlier than working with a few large ones. Quite often however, by explaining your situation to them they will talk one of their customers into selling a product to you when they otherwise might not have.

Purchasing discussion (cont.)

So, if buying specialty and "off-brand" antenna supplies is so difficult, what is a DX'er to do? Here are some ideas. Your local retailers have an investment in your town and might well deserve your business. If they prove they don't however, try the distributors who supply them. Explain your position to them. Tell them which retailers you have attempted doing business with, they may refer you to someone more knowledgeable. Many distributors have a policy of allowing ham radio operators to purchase from them even though they do not sell to the public. Try to gain privileges on that idea, that you are an extreme hobbyist usually needing items which your local dealer has to special order and because of your knowledge can represent a reasonable customer. With all distributors whether local tv parts or large cable suppliers, the temptation is there to lie about your business status in order to gain access to products. I have known several enthusiasts who have resorted to this approach as a last resort. Because of the guilt and anxiety which may follow and because it is just not right, this should be avoided. Call the manufacturer! They love it. They want to be the hero and help you out and can be very helpful. Your experiences with this will make a nice addition to the Antenna News. One more supplier is possible, your local cable company. Most are unwilling but I have known of a few who would supply products to hobbyists.

At this point I would like to introduce the Leelanau Audio Works to you. I formed this one man company 2 years ago to be able to supply hard to get parts to dealers. Since then I have supplied a variety of antenna product to a wider variety of customers. Because I am a hobbyist, the bottom line on the profit page is not the most important thing in the world (no free merchandise however, sorry). After leaving my sales job, I have worked on a number of MATV and TVRO systems giving me access to many cable related suppliers. If you cannot find what you need locally please drop me a line either at my home address or at The Leelanau Audio Works, P.O. Box 1288, Traverse City, MI 49685-1288. I'll be happy to try to find what you're looking for.

MEMBERS' INPUT

In addition to the purchasing problem, Nate Ely also wrote concerning the Pico brand of channel filters. I believe you are right Nate in your assumption that the Pico lets quite a bit of sound through. By the data sheet supplied to me by the company it would appear that the traps are primarily for video and not concerned about audio that much, nonetheless a decent product. A thank-you goes out to Bill Fahber for an informative letter concerning the magazine article listings. I will do my best to include all listings but may need your help. Also, you're right, I do need a spelling class. George Mileon wrote regarding a car stereo unit employing circuitry similar to the TX-11 Carver tuner. I know of no such unit available at this time.

MAGAZINE ARTICLES * Trumans' first term, post WWII

Versatile Antenna, Business Week, Dec. 8, 1945
 Facts For Servicemen To Know When Installing Antennas, Radio News, Jan. 46
 Antennas For The New FM Band, Popular Science, Aug. 1946
 Horn Type Antennas Sharpen Weak TV Signals, Popular Mechanics, Dec. 1946
 TV Receiver Antenna, Radio News, Dec. 1946
 Transmission Line Systems For FM & TV Home Receivers, Radio News, Feb. 47
 Folded Dipole FM & TV Antennas, Radio News, April 1947
 TV Antenna Installation, Radio News, April 1947
 Apartment Owners Ban TV Aerials, Science Digest, May 1947
 FM Antennas, Popular Science, May 1947
 Seeing Ghosts, Science Illustrated, May 1947
 Wooden Towers for Antennas, Popular Mechanics, July 1947
 TV Antenna Installation, Radio News, Sept. thru Dec. 1947
 All Wave TV-FM Antenna, Radio News, Oct. 1947

TRIPOD INSTALLATION

There is a bit of controversy surrounding the installation of the rooftop tripod. Several points are of interest. The main departure of opinion surrounds the lagging of the legs to the roof. If roofs were all made with trusses the same distance apart, tripods could be made with leg spacing such that each leg could be lagged into a roof truss for maximum support. That not being the case many prefer to make sure that at least one leg is lagged to a truss and let the others fall where they may. To provide added strength to those legs not lagged to a truss, a 2x4 or 2x6 can be nailed between the trusses in the attic under the legs providing a solid mass for the full length of the lag screw to bite into. A departure from this procedure is to make sure to miss the roof trusses with all 3 legs. The theory goes that if the roof ever should leak around the tripod feet it would be best not to leak directly at the truss so that the roof isn't considerably weakened if rotting should begin. With this practice the cross bracing in the attic is strongly recommended.

What you use to fasten the legs to the roof can also be debated. If bracing in the attic is used, some prefer to use machine bolts with nuts and washers instead of lag bolts citing a stronger installation as the reason. Professional installers don't usually do this because it takes two people to do it.

Between the tripod feet and the roof lies another point of discussion. Many seem to be quite satisfied with using pre-cut tar pads. Personally, I prefer to use the tar pads under the feet and also to use roofing tar over the feet entirely once the installation is fastened down. This is done to prevent rust streaks from creeping down your roof after a couple of rainy seasons. The feet don't seem to be treated with the same type of rustproofing that the rest of the tripod is on most units, and therefore the feet seem to rust much more quickly. Also, while we are talking about the feet, a handy trick is to drill the rivets off one of the feet and replace them with heavy duty shear pins with appropriate retainers. Do this to the leg which will be by itself on one side of the roof and this will allow your installation to be tilted over whenever an antenna change, service, or modification is desired (anything to avoid climbing).

Two points should be made. First, make sure your tripod is level. An unlevel installation decreases gain and looks unsightly. Secondly, if you plan to use a rotor, one of the larger tripods is your best bet since most of the smaller units will not allow the placement of the rotor inside the tripod which is by far the strongest location.

CURRENT NEWS

The new Channel Master Catalog is out and contains a few new products and also revised noise figures on the Super Titan series of preamps.

Winegard has discontinued the following Prostar antenna models: the PR520, 560, 885, and 886. They have upgraded four of their booster couplers with most of the attention going to the UHF section which has resulted in a doubling of the gain in that band. Models affected are the BC8330, BC8770 BC382, BC782. The new model numbers are BC8335, BC8775, BC3820, BC7820.

The Consumer Electronics Show, a trade show for the electronic retailing business, is held each summer in Chicago. This year's show was dominated by video and computers but I did manage to find a couple of antenna items to get excited about. Magnum Electronics was there with their fine FM preamp, "The Power Sleuth", in both home and auto versions. (See VUD July '82 for review.) Both units are the same electronically except for impedance. The noise figure is claimed to be 4 db. The units are tuneable and the gain can be adjusted. At \$200 the products are not cheap, but they do represent a real value. Magnum products are available from Castle Marketing, Outer Holland St., P.O. Box 219, Alexandria Bay, NY 13607 or from

CURRENT NEWS CONT'D

Leelenau Audioworks. The most exciting antenna product I saw was a new FM indoor antenna by Dennessen. The antenna was designed by Richard Kaufman who you may remember wrote an article on FM Rhombic antennas in Audio magazine a year or so ago. The antenna is the most innovative indoor antenna I have seen, not too complex, but innovative. It has 5.5 db of gain relative to a dipole with front-to-side and front-to-back ratios of 10 to 20 db better than a dipole. It can hang on the wall or on a stand and can be either horizontally or vertically polarized. Output is 75 ohm. In a discussion with Kaufman, he told me that the antenna maintains a VSWR of 2:1 or less across the entire FM band. Basically the unit is a wooden 1 x 1 about 15 inches long with a telescoping whip on each end and impedance matching devices hidden in the wood. The whips can be adjusted for proper orientation to the station and if the unit is wall mounted, there is an output jack on either end so that either element can be used as the driven element. At \$40.00 the unit is a bargain in comparison to the likes of the BIC Beam Box, Technics Wing, and Winegard indoor FM antennas. Dennessen has given me the rights to sell the product so if you want one just drop a line. (The optional floor stand is \$30.00.)

AN ANTENNA REPORT FROM ISRAEL

It was reported in Mart Magazine (3-83) by Art Weinberg that in Israel, about 87% of all Israeli homes have a B&W TV, about 8.5% have a color set. It seems that the Communications Ministry (similar to FCA) requires one to have a permit for any antenna installation, however conventional TV antennas have been exempted from this requirement for the past several years. TVRO is illegal.

NEXT MONTH

most pipe - tower - antenna articles during Truman's second term-

Thanks for reading. Talk to you in August. And a special thanks to my wife for typing this while I put a new muffler on the car.

(continued from page 24)

Western TV DX

July 1983

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

| | | |
|-----------------------------|------------------------------|--------------------------|
| May 1983 | 24 Es 1959 WMAB 2 MS 1015 | 4 Es 1133 WMAB 2 MS 1015 |
| 5 Es 2103 unid ch 2 s NBC | 2126 KMID 2 TX 1060 | 5 Es 0929 WFMY 2 NC 1150 |
| 10 Es 2308 KUTVt 2 UT | (Still in -2300) | (MUF 89.9 @ 0946 NC) |
| 17 Es 2157 unid ch 3 e, NBC | 2246 unid ch 2 Mexico | 0948 WRAL 5 NC 1215 |
| 20 Es 1027 WJBKT 2 MI | 26 Es 1900 unids 2, 3 e, se? | 1000 WSJK 2 TN 1005 |
| 1836 KMID 2 TX 1060 | 27 Es 0758 unid ch 2 | 1026 WAGA 5 GA 1115 |
| 21 Es 1958 CKGN2 2 ON 950 | 0859 WWAY 3 NC 1315 | (MUF 107.3 @ 1044 AL) |
| 1959 WCAX 3 VT 1165 | 29 Es 1119 unid ch 2 east | 1059 WKRG 5 AL 1215 |
| (MUF 94.9 @ 2059 NH) | 1256 WSJK 2 TN 1005 | 1126 WMAB 2 MS 1015 |
| (MUF 107.5 @ 2115 PQ) | 1329 WITWO 2 IN 710 | |
| 2123 unid ch 5 e CTV | | |
| 2137 unids 2,3 French | June 1983 | |
| 2145 WLBZ 2 ME 1355 | 4 Es 0927 WCBZ 2 SC 1310 | |
| 2200 CKGN2 2 ON 950 | 0930 WSJKt 2 TN | |
| WCAX 3 VT 1165 | 1057 WSB 2 GA 1115 | |
| 22 Es 1458 unid 2 NBC | 1059 WRBL 3 GA 1190 | |
| 24 Es 1950 unid 2, 3 se | 1129 WNGE 2 TN 905 | |

A rather unimpressive month, DX wise, but it did result in a new state here, Maine; which is always OK. Tropo has been especially poor, but no doubt there will be some good days!

CENTRAL FM DX

Ralph Strobel, editor
2300 E. McGalliard Rd.
Muncie, Indiana 47303

July 1983

Report to Central FM if you live in the central states of MN IA MO WI IL IN MI & OH

E-SKIP OFF TO A SLOW START THIS SUMMER

Ronald Purdue - Route #1, Box 224 - Byron, MN 55920

Equipment: Realistic STA-111 & Archer "Stereo Supreme" FM Antenna with Coax Lead-in

| | | | | | |
|-------------------------------------|-------------------------------------|-----|-------------------------------------|-----------------------------------|-----|
| 3/19 tr | 1602 KWAY 99.3 IA Waverly, ID | 94 | 5/27 Es | 1002 WGMD 92.7 DE Rehoboth Beach, | 950 |
| 1605 KGGG 94.9 IA Des Moines, r | 178 | | | nx, ads, "FM-92" | |
| 5/27 Es | 0910 WKEZ 94.1 VA Yorktown, ads, ID | 948 | 1008 WYST 92.3 MD Baltimore, | 870 | |
| 0915 WFOG 92.9 VA Suffolk-Norfolk, | 968 | | | ad, "92-Star" | |
| | b, ID, ads | | 1012 WSTW 93.7 DE Wilmington, r | 900 | |
| 0927 WLTY 95.7 VA Norfolk, ads | 968 | | 1018 WYSP 94.1 PA Philadelphia, p | 910 | |
| 0930 WDTL 92.1 VA Chester, ID, g | 890 | | 1024 WCAU 98.1 PA Philadelphia, a | 910 | |
| 0942 WYJY 90.5 VA Fredricksburg, ID | 860 | | | ads, wx, ID, r | |
| 0951 WKYS 93.9 DC Washington, | 860 | | 1031 WLEV 96.1 PA Easton, ads | 900 | |
| | ads, s, "94-KYS" | | 1050 WCTO 94.3 NY Smithtown, b | 985 | |
| | r, "Sea-93" | | 1057 WOBN 92.7 NJ Toms River, ads | 910 | |
| 0958 WSEA 93.5 DE Georgetown, | 945 | | 1113 WKTU 92.3 NY New York, ID | 958 | |
| | | | 1210 WRBS 95.1 MD Baltimore, ad, ID | 870 | |

It has been a rotten spring for FM-DXing with no loggings for April. The wx here has been unfavorable for DX. Yesterday, the 27th, the first E-skip opening occurred this year with loggings of stations on the East coast. Yesterdays E-skip gave a "trial" run on my new STA-111 stereo receiver. It seems that kind of propagation is far superior to my old Modulaire-8. My old stereo had bi-polar transistors in it (The Modulaire-8), which didn't do a good job for DXing. It also seems that KLSE's 91.7 translator on 95.7 has moved to 95.5 to provide better FM signal to Rochester which, in turn, prevented me from logging WPLJ-FM from New York City yesterday. (I wish that x-lator in Rochester would go somewhere else or go off for good!)

This is about it for now. I hope that I will get more good DX openings and wish everyone good DX luck! See you in 30. 73s. Ronald Purdue

Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303
Equipment: McIntosh MR-78; Channel Master \$ Probe 9 at 60 ft.

| | | | | | |
|---------------------------------------|--------------------------------|------|--|-------------------------------------|------|
| 5/30 ms | 0400 KMML 98.7 TX Amarillo, ID | 1000 | 6/9 Es | 1802 XET 94.1 NL Monterrey, L\$, SS | 1400 |
| 6/6 Es | 1730 KEZB 93.9 TX El Paso, b\$ | 1360 | 1937 KILQ 93.9 CO CO Springs, r\$ | 1055 | |
| 1700 KENW 89.5 NM Portales, wx | 1100 | | 1939 KRAZ 96.9 NM Farmington, ads | 1300 | |
| 1713 KOB 93.3 NM Albuquerque, r\$ | 1250 | | 1959 KKKK 94.1 CO Montrose, k\$ | 1180 | |
| 1732 KODK 92.7 TX Kingsville, r\$, wx | 1200 | | 2000 KSPZ 92.9 CO CO Springs, r\$ | 1055 | |
| 1744 KEXX 93.9 TX Corpus Christi, r | 1170 | | 2001 KCME 88.1 CO Manitou Springs, c | 1060 | |
| | | | 2023 KKCS 101.9 CO CO Springs, k\$, ad | 1055 | |
| | | | 2029 KOST 101.1 CO Denver, b\$, ads | 1075 | |

E-skip was seen on TV June 4th through the 9th. Most of these days, skip did not get above Channel 4. As you can see, the 9th produced a few loggings. I phoned Bob Zent, Huntington, IN and Frank Merrill, Toledo, OH. Both were in better locations than I and had stronger skip. I heard many stations which were relogs, but didn't bother to list, as no ID heard. By wx and ads, I am indicating that the city of license was given for the station listed. See you next month. 73, Ralph

FM 88 wbfo

public radio from the state university of new york at buffalo

SOUTHERN FM DX

Danny Buntin, editor
1312 N. Skyline
Stillwater, OK 74075
DEADLINE: 10th

SOUTHERN FM DX

Pizzi, cont.

JULY 1983

JULY 1983

NEW MEXICO DOING WELL WITH THIS SEASON

Charles George, 6407 Howard, Dallas, TX 75227

May 27--7:50 am I received KSKR 96.5 with fair to excellent signals. Logo given as "97-Rock"; one of several Houston stations not received before here. 8:30 am, KODA 99.1 with usual background music. Signal was strong enough I was able to receive SCA. SCA had Muzak type service same as used by local local KMGC. 73s.

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 (505) 396-7432 MST 4-27 MDT

Equip.: Akai AT-V04/JVC VT-700, Antennacraft 10 ele. horz. @65', JVC VT 900, Ant. craft 10 ele. vert. @24'

4/16 tr
2251 KATK 92.1 NM Carlsbad, k, "cat country"
2253 KAUM 106.3 TX Colorado City, r, \$ 150
4/27 tr (MDT)
1728 KXLS 99.7 OK Alva, r, tent.
4/28 tr
0854 KSTA 107.1 TX Coleman, ID 240
0902 KGKL 97.5 TX San Angelo, k
5/1 tr
1104 KFIM 92.3 TX El Paso 201
1117 KEZB 93.9 TX El Paso, "94 FM", calls
1145 XHH 100.7 Juarez 205
plus Juarez 98.3, 103.5, 104.3, 105.1 105.9
no sign of 107.5

5/5 Es
2006 WJWJ 89.9 SC Beaufort, tent
2008 WSGF 95.5 GA Savannah, ID 1305
2009 WJCL 96.5 GA Savannah, EL, tent

5/6 Es
1401 WRJA 88.1 SC Sumter, r, tent
WRAS 88.5 GA Atlanta, r, tent
1405 WUOG 90.5 GA Athens, r "FM 90.5" 1148
WABE 90.1 GA Atlanta, c tent
1406 WKCL 91.5 SC Ladson, g 1350
WCLK 91.9 Atlanta, j, tent
1407 WNEZ 99.3 SC Aiken, ID 1247
WKLS 96.1 Atlanta, r, tent
WSB 98.5 Atlanta, r, tent
1411 WYMX 105.7 GA Augusta, calls 1238
1412 WRFC 89.3 Atlanta, j, promos 1098
1413 WQBZ 106.3 GA Ft. Valley, r, Z-106
1414 unID 92.1 GA? @1432 nx/ad ment.

Dalton, GA
1417 WMBD 92.7 SC Bamberg, 1429 ID 1287
1418 WBUS 102.3 GA Augusta, k ads 1238
WBBQ 104.3 GA Augusta, r, tent
WIGL 106.7 SC Orangeburg, k, tent

1422 WKBQ 107.5 SC St. George, r 1319
calls + "QUBE"
1431 WSSX 95.1 SC Charleston, r "95-SX"
1433 WAGE 90.7 GA Augusta, "FM-91 Augusta"
5/2 tr
2036 KANW 89.1 NM Albuquerque, r 240
2039 KFLQ 91.5 NM Albuquerque, tent,
g, "Family Life Radio"
2040 KEDP 91.1 NM Las Vegas, tent
2057 KTSM 99.9 TX El Paso, b 201

5/9 MS
0906 WCKK 97.1 MS Meridian, 855
WLBK-30 promo
5/10 tr
0929 KFLQ 91.5 NM Albuquerque 240
5/11 tr
0900 KRDF 98.3 TX Spearman, ID, ads 249

5/13 Es
1220 KZAP 98.5 CA Sacramento 1071
1222 KFOG 104.5 CA San Francisco, EL 1116
1224 KAER 92.5 CA Sacramento 1071
1228 KXEZ 103.9 CA Yuba City, ads 1098
1231 KEBR 100.5 CA Sacramento, g 1071
1233 KSFM 102.5 CA Woodland, r 1089
1234 KHLL 101.1 CA Auburn, ads, oldies 1058
rock, "K-Hill"
1236 KWOD 106.5 CA Sacramento, r "Quad-106"
1238 KRFD 99.9 CA Marysville, r, K-100 FM 1093
1240 KFMP 93.7 CA Chico, ads, r, "K-FM" 1139
1243 KHTN 92.1 CA Placerville, ID, wx, ads, r
1246 KCHO 91.1 CA Chico, calls, nx 1139
1246 K220AC 91.9 CA Marysville, KCHO 1093
calls, much weaker than 91.1, same pgm.
1250 KXOA 107.9 CA Sacramento, ads, promos,
"K-108-FM" 1071
1253 KEWT 105.1 CA Sacramento, EL 1071

5/16 tr
2057 KEYN 103.7 KS Wichita, promo/calls 461
5/20 Es
1732 CBLA 90.1 ON Atikokan, nx 1230
5/21 Es
2030 WRMB 89.3 FL Boynton Beach, g, ID 1485
2031 WHRS 90.7 FL W. Palm Beach, tent.
5/23 Es
2158 K210AC 89.9 WA Moses Lake, "KFAE" 1260
Richland"

5/24 Es
0848 XERC 97.7 MX City, r "Radio Hits" 960
0850 XELA 98.5 " " , c
0853 XHPOP 99.3 " , EL "Musica Felez"
0854 XHAV 100.3 Guadalajara 840
0855 XHSON 100.9 MX City, r, Eng. mx
0857 XEUN 96.1 " " , c
0857 XHSH 95.3 " , upbeat EL
0858 unID 95.3 MX
0859 XHJL 91.6 Guadalajara, ads-ment Guad.,
off freq 91.5 840
0901 XEBS 89.7 MX City, c
0903 XHM 88.9 " " , nx, rock-Eng. mx
0904 XHRF 88.1 " , Eng nx-CBS, ads SS
0906 XHNP 89.3 Puebla, L EL 985
0929 XHGM 88.5 Cuernavaca, ID, L 985
0933 XHLM 96.5 " " , L EL "Radio
Melodica"

0935 XHTB 105.9 " , EL ads ment Cuer.
0937 XHDFM 106.5 MX City 960
0938 XHBSB 104.9 " " , EL
0939 XEDF 104.1 " , upbeat jazz
1731 WJIM 97.5 MI Lansing, promo/calls 1210
1732 WBFM 98.1 SC Seneca, g, calls 1170

cont.....

5/24 Es
1734 WQMT 99.3 GA Chatsworth, 1067
"Q Country"
1735 WLOS 99.9 NC Asheville, ID
1748 WQSM 98.1 NC Fayetteville, "Q-98"
1749 WSTS 96.5 NC Laurinburg, r, ads 1373
"Family Radio"
1751 WESC 92.5 SC Greenville
1753 WYFG 91.1 SC Gaffney, g 1238
1755 WLFJ 89.3 SC Greenville, g 1206
1805 WTWE 92.1 SC Manning, ads, ID 1332
1807 WMHK 89.7 SC Columbia, g, tent
1809 WEPF 90.1 SC Greenville, c
5/26 Es
0852 WCIE 91.1 FL Lakeland, g 1337
0859 WAMR 92.1 FL Venice
0900 WKDD 98.3 FL Arcadia, ID 1373
0901 WJYO 107.7 FL Mt. Dora, Joy-108 1359
0902 WWBA 107.3 FL St. Petes., EL 1300

5/24 Es
0902 WOOJ 107.1 FL Le High Acres, tent, r & b
0902 WWOJ 106.3 FL Avon Park, nx, ads, 1373
ID, "Q-Radio" @906
0905 WHLY 106.7 FL Leesburg, tent, disco ? r
0912 WEIB 101.1 FL Marco, tent., mentioned
St. Petersburg
0914 WIZD 98.7 FL Ft. Pierce, r
0915 WSRZ 102.5 FL Sarasota, ads, r 1328
0921 unID 90.7 30's music
0926 WLSU 88.9 WI La Crosse, ID 968
0955 WEMC 91.7 MT Billings, ID @1005 900
0958 WCOL 90.5 KY Louisville, nx 1049
1003 unID 91.9 ?? SS, "Radio Cadena"
1026 KPQX 92.5 MT Havre, k, "Q-92" 1103
1027 KCDQ 96.7 MT Belgrade, ID @1031 1103
5/26 Es
1028 KYBS 97.5 MT Livingston, EL, ID @1032
1951 WRJA 88.1 SC Sumter, ID @2000 1323
1953 WABE 90.1 GA Atlanta, c, ID @2001

This Es season is starting off good with 8 days of Es in this reporting period. Some tropo too, with KEYN 103.7 unexpected--no conditions--tropo bursting. Filled in a few needed stations via tropo, too. On 5-9 a nice MS burst with WOKK 97.1--promo for WLBK ch 30 in Meridian. 5-6 Es was intense with a lot of tentatives. 5-13 Es also strong with my first translator K220AC-91.9 with KCHO calls and area nx--much weaker than KCHO 91.1. (received on car FM at my office--J. C. Penny's w/digital readout and Antennacraft FM booster). Car system works quite well, as I get a lot of MS with it. (have power antenna, too.) 5-21 Es brought another xlator from WA (on home system). I'm a believer now--xlators are viable dx targets. Are they 1 watt or 10 watts? (They're limited to 10 watts west of the MS River and to 1 watt east of the MS River. DB) 5-24 Es into Mexico City area very strong and easy to ID per new FM Atlas and earlier VUD mx listings. Evening, 5-24 Es brought in FL with an abrupt change to WI, KY, and the MT. evening Es was brief. Repaired storm damaged FM vert. ant., back up at 24' AG w/Ameco tuneable booster and JVC VT-900. 73s.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 CDT

5/13 tr
1641 KSLS 101.5 KS Liberal, wx, ID 220
5/16 tr
2228 KRVS 88.7 LA Lafayette, ID 505
5/17 tr, cont.
0000 KSUC 88.3 TX Keene, ID 300
0003 KUHF 88.7 TX Houston, ID, j 460
6/2 tr
0854 KCOT 104.7 TX Lamesa, ads 365
0900 KRUX 102.5 TX Lubbock, ID k 325
0925 KICA 107.5 NM Clovis, ads, K-107, r 360
0928 KENW 89.5 NM Portales, ID 380
0930 KTQM 99.9 NM Clovis, wx 360
0944 KBIM 94.9 NM Roswell 470

6/8 Es
1551 WCIE 91.1 FL Lakeland 1050
1623 WOVV 95.5 FL Ft. Pierce, ID 1160
1626 WCYL 93.5 FL Vero Beach, ad, w/ M SCA
1629 WKPX 88.5 FL Sunrise, ID, nx, r
1631 WUVA 92.7 VA Charlottesville, ID 1040
1651 WRIT 92.7 FL Stuart, ID
1653 WAJA 97.3 FL Miami, "97-A1A" 1230
1654 WJYJ 90.5 VA Fredericksburg, ID, 1100
"90 Joy"

6/8 Es
1659 WXCX 103.9 VA Clifton Forge, ID
1659 WOLC 102.5 MD Princess Anne, ID
1703 WFVA 101.5 VA Fredericksburg, ad, nx
1712 WFLS 93.3 VA Fredericksburg, ID, k 1100
1727 WPFW 89.3 DC Washington, ID 1105
1920 WMSS 91.1 PA Middletown, ID
1933 WBJB 90.5 NJ Lincoln, ID
1943 WTSR 91.3 NJ Trenton, t, "TSR" 1245
1953 WMMR 93.3 PA Philadelphia, ID 1220
1954 WYSP 98.3 PA Philadelphia, ID, r
6/9 Es
1803 WMLV 94.5 FL Daytona Beach, ad 1230
1930 KUAT 90.5 AZ Tucson, ID 850
1931 KEZQ 92.1 AZ Green Valley, wx, b, ID 820
1937 KRQQ 93.7 AZ Tucson, ad, r 850
1943 KNDE 99.5 AZ Tucson, local nx, 850
"Candy Country Calendar", wx, ad
2005 KUFM 92.9 AZ Tucson, ads, b, X SCA, ID
2011 KJYK 94.9 AZ Tucson, ID, r
KWCX 98.3 AZ Wilcox, ID 785
2030 KUSC 88.1 MN St. Cloud, ID, nx 670
2035 KBEM 88.5 MN Minneapolis, ID 650

The season here continues to behave on the slow side both tr and Es wise, however the last few days Es has improved, hopefully indicating a trend away from mediocrity. One thing probably not very conducive to good tr is the cool wx around here, in fact so unusually cool that Chicago beat Okla. City to 90 this year. I've been semi-holding my breath for a rapid humid, warm-up into the high 90's to see if it would soup up the trop as in past years, but not banking on it.

Pioneer's new tuner, the F-90, using new, unconventional circuitry now out. I hope someone can examine it to see just what it's cracked up to be. Until next month, 73.

Report your FM DX to this column if you're from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Happy DXing!

NORTHERN FM-DX

July 1983 I mail column to HQ every 5th of month

Saul Chernos
79 Ridge Drive
Toronto ONTARIO
M4T 1R6

- * A poor Es season so far. While my own experience and others' reports indicate Es every day since around May 25, most has been brief and not above MUF 7-4. No great Tropo here and others seem to feel the same way. Harry Hayes reports Mid-May Aurorae but nothing since then. I guess there's always Meteor Scatter.
- * Dave Nieman reports "progressive 88" on 88.1. It is NOT CKLN Toronto, which is due on in June sometime. I called and asked. You think it's an Amherst College PIRATE? Maybe; pirates ARE out there and are being heard. Witness Ralph Strobel's WELI. If anyone had a "KJ-103" on 102.77, don't waste time looking up the slogan in FM Atlas. The FCC just busted them anyhow. That COULD explain members' most unusual UNIDs.
- * I hope to meet you in Dunkirk. Bring TV Guides to trade, too, as I've lots to give in return. I'll also bring my Canadian FM Stations file.

Report your FM DX to this column if it is received in AK CT DE ID HA ME MD MA MT NE NH NJ NY ND OR PA RI SD UT VT WA WY CANADA and countries outside USA.

Daniel E. Oetting - 2882 Old Cedar Grove Road - BROOMALL, PA 19008 APRIL 26-83

EQUIPMENT: Yamaha T-70, Panasonic RF-2600, Archer LC element FM antenna pointed NNW at 25'AGL

With all the problems my RF-2600 was having with a new super-strong local, I needed a new FM receiver. I bought the T-70 tuner for \$392. Although it isn't the perfect DX machine, it's certainly an improvement over the RF-2600. No more annoying strong images across the band with the Yamaha; sensitivity and selectivity are much better. Usually, sensitivity is 1.2 microvolts (30 dB quieting, 300 ohms); alternate channel selectivity is 85 dB. The most noticeable drawbacks of this fine radio are the following: The T-70 cannot tune frequencies other than at 100 KHz increments, making DXing near locally used frequencies difficult under some circumstances. The T-70's stereophonic mode is undefeatable. Another drawback, of high complexity, involves the audio being cut off for a second when signal strength falls below a certain point. I won't deal with that here. All in all, though, a very nice tuner. I've received a fair amount of new stations this spring, mostly due to the new tuner and not the Tropo conditions.

Feb 83
1 Tr (w/ RF-2600)
2047 WBUP 92.9 NY Buffalo r
4 GW
1000 WRSD 94.9 PA Folsom rm 14watts
muffled audio operates 8am-4pm M-F

21 Tr
0315 Patchogue NY to Norfolk VA
Mar
1 Tr
0843 WADR 88.1 CT Monroe c
0848 WJNG 92.1 NY Sag Harbor rm
11 Tr (w/T-70) & AS
1721 WRRB 107.9 NY Syracuse k ID
1800 WFCM 96.7 PA Danville g ID
2300 WAER 88.3 NY Syracuse bb ID
(Syracuse Chiefs-ed)

12 GW
0155 WESS 90.3 PA East Stroudsburg pr
12 AU MUF 91.3
1650-1745 88.1//88.5 w/music.
19 Tr
1740 WEOS 89.7 NY Geneva PSA bb
2130 WITR 89.7 NY Henrietta p ID
21 MS
1312 KUSdt 89.7 SD Vermillion hrd SD

Local WWDB was recently transmitting strong spurs across the band for about a week, just after installing a new transmitter. I called, and talked to an engineer, who said he doubted very much they were transmitting spurs, and that I probably was getting interference from a local motor. A motor that TALKS? That night, WWDB went off-air for several minutes, returning with the problem corrected. I think they would have continued transmitting spurs had I not called. Power to DXers. (Amen, ed) 73's, Dan.

Editorial...Dan wants to know if NFLD's "OZ-FM" stns ID individually. I only had the 93.9 once on Es, so unsure...can anyone answer? Dan also says he constantly hears MS bursts from a stn testing with oscillator test tone on 88.3, at all hours of day, from the NNW. I doubt Canada - can anyone help? A pirate? Doubt it, in this case.

July 1983

Dave Nieman - 12284 Nice Road - AKRON NY 14001

NORTHERN FM DX (2)

| | |
|--|---------------------------------------|
| Apr 83 | May cont. |
| 21 Tr | 21 Tr |
| 1337 WALK 97.5 NY Patchogue mr* 325 | 0911 CBGD 96.7 ON Pembroke c-t 200 |
| | 1158 WPAC 92.7 NY Ogdensburg r* 195 |
| 22 Tr | |
| 0017 WYEP 91.3 PA Pittsburgh j ex-91.5 180 | |
| 30 Tr | |
| 1658 WKTU 92.3 NY New York s* | 275 |
| May | 2200 CRKF-4 91.9 SA Bellegarde * 1150 |
| 20 Tr | 2205 KEYA 88.5 ND Belcourt r* 1060 |
| 0801 WESA 98.3 PA Charleroi mr* "98-ESA" 215 | |

It was nice to finally have some skip on FM. Last year there were two days of it by this time. It seemed as if it was never going to start up. WENY 91.3 BUFFALO NY has done something with their signal - they are not DX anymore out here. I'll bet they were transmitting into their dummy load all this time. Dave.

DX-PEDITION to BURNT RIVER by WTPDAers Tim Brown, Mike Reid and Saul Chernos

Mike's AKAI tuner plus Tim's ability to differentiate between formats better than anyone Saul's ever seen plus an image and more or less pest-free (yes they still exist) zone provided by Saul led to an interesting afternoon, despite conditions which seem to be typical of this spring DX season. I also discovered lots of new locals I can listen to this summer, much to my undescribable pleasure. Thank you, CBC, for giving me relays all over the FM band so if I feel lazy, I can tune in to any frequency I want without searching. So, for MAY 23, with witnesses... it is all Tropo except Au, where noted such:

| | |
|---|--|
| 1320 CECB 98.7 ON Owen Sound | 1635 WWSW 94.5 PA Pittsburgh |
| 1325 CBSP 103.9 ON Peterborough \$ 35 | 1636 WDET 101.9 MI Detroit |
| 1342 WGER 102.5 MI Bay City b 280 | 1638 WCRF 103.3 OH Cleveland g |
| 1348 CECM 107.5 ON Penetanguishene | 1800 WCNY 91.3 NY Syracuse |
| 1352 WOLV 95.5 OH Cleveland | 1830 WKSU 89.7 OH Kent (Kent State U.) |
| 1416 WKFT 104.7 NY Fulton r 150 | 1844 WREO 97.1 OH Ashtabula b |
| 1420 WKGW 104.3 NY Utica r 205 | 1902 CKO-1 106.9 ON Ottawa |
| 1435 CBGD 96.7 ON Pembroke | 1910 WCUR 96.9 NY Utica rare here |
| 1450 CTEL 98.5 PQ Longueuil FF | 1933 WKSU 102.7 PA Williamsport (prev by Au) |
| 1601 WCMU 89.5 MI Mount Pleasant (Au) 325 | 2003 WQED 89.3 PA Pittsburgh |
| 1602 CBE-FM 89.9 ON Windsor \$ (Au) 280 | 2004 WFSE 88.9 PA Edinboro r |
| 1624 WVIC 100.3 MI Dearborn r 295 | 2010 WHYP 100.9 PA North East |
| 1630 WLBS 102.7 MI Mount Clemens 265 | |

Paul Mount - 471 Emerson Avenue - Teaneck NJ 07666

Receivers: Sept-Jan w/JVC Stereo Cassette Radio with whip. Feb-on w/ Sony STRVX4 Digital rx with Radio Shack RABBIT EARS.

Sept 1982 from Louisville KY (NRC Convention)

| | |
|---|--|
| 5 Tr | 1603 WYHY 107.3 TN Lebanon-Nashville r "y-107" |
| 1535 WIVK 107.9 TN Knoxville k | 1613 WKKX 104.5 TN Gallatin r "KK-104" |
| 1543 WABD 107.9 KY Port Campbell r | 1627 WPPR 102.7 TN Terre Haute r "PPR" |
| 1601 WFML 106.5 IN Washington St Louis BB | 1800 WKDS 96.3 TN Murfreesboro ID |
| 1602 WFBF 105.9 OH Middletown r "mellow-106-FM" | |

BELOW FROM TEANECK NJ:

| | |
|--|--|
| Oct 5 Tr | 2330 Philadelphia-Central NJ shore. |
| Nov 22 Tr | 0032 WDSI 100.1 NY Woodstock r |
| 0200 WKSZ 100.3 PA Media \$ rm "kiss-100" | |
| Jan 20/1983 Tr | 0100(GW)WZLW 107.1 NY Briarcliff Manor rm |
| Philly/Atlantic City "SA-106" ex-WRNW | |
| Feb. | |
| 11 Tr(GW) | 1935 WKUJ 90.3 NJ Union PSA |
| 12 GW | 1801 WBJB 90.3 NJ Lincroft ID had to tune in at 90.35 due to WFUV 90.7 NYC |
| 15 Tr-GW | 0014 WRVH 105.5 NY Patterson m |
| 0018 WXCJ 91.7 CT Danbury rp & most philly's | |

May cont.
21 E-SKIP No IDs made.
26 Tr
0020 WCHQ 104.7 MD Ocean City-Salisbury r \$
0220 WCAU 98.1 PA Philadelphia r
0745 WSHR 91.9 NY Lake Ronkonkoma rp
Coastal NJ on 92.7, 95.9, 106.3 dominating o/ closer class A's at 0750
Missed E*SKIP to GA AL AR Around 1900.
27 Es 1100 missed to MN IA as at work.

There's still several pages of loggings from last summer I misplaced. I typically get home 1800, leave to play rehearsal 1900 so much missed. I did go to the convention - had good time there - especially with the WKRB people. Sorry if my radio was "oversize", hi! This

July 1983

PAUL MCUNT continued

NORTHERN FM DX (3)

May
26 Tr (you sure of date-ed)
CLOC WOHQ 104.7 MD Ocean City-Salisbury rm

year I hope to have nothing to do except DX
in the evenings, now that I've got readout.
73's PAUL.

PAUL WOULD APPRECIATE PHONE TIPS FOR ES AND SUGGESTS DINNER TIME OR WEEKENDS. I'M SURE
HE'LL RECIPROCCATE. (201) 836-1137. (This has been an unpaid political announcement-ed)

Harry Hayes - 9 Henry Street - WILKES BARRE PA 18702

It has been a very disappointing FM-TV season so far. Little Es seen on TV-2 as of May
24. This goes against what I earlier predicted would be one of the better Es seasons.
Of course it is still very early in the season & my prediction could be closer to the
mark. (Harry, I think we'd all be better if we stuck to the races if we were going to gamble,
so I hope you're not putting money on this - it's June 7th and your words still ring true
-ed.) Only time will tell, I guess. No TROPO so far, either. The only item of note was
Aurora May 17, 19, 24.

MAY 17: 1729 WDBN 94.9 Medina OH in well for Au w/ b music & wx repot, at 300 miles.
1756 WPGC 95.5 Washington DC at ONLY 190 MILES, the 1st time WPGC noted by Au &
one of shortest distances by Au. WDBN heard before via Au.

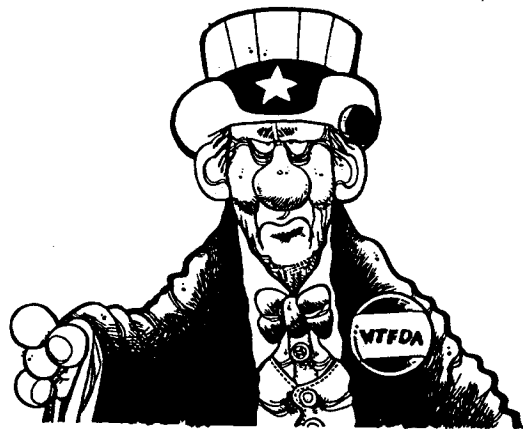
My equipment is a 17 year old Zenith Trans-Oceanic w/ RadioShack deluxe indoor antenna.
Let's hope things improve a little on this band

Saul Chernos --- DX at Toronto:

I must have this in tomorrows mail, so I'll spare you the Burnt River DX.

APRIL 12 Tr 1730 103.9 CBBP Peterborough ON New on air CBC \$.

MAY
14 Tr 1200 WEBF 95.7 NY Olean bn MAY 17 TR 2154 101.7 WETF NY Attica r
1201 WRWN 92.3 PA Warren b MAY 27 TR 0740 95.7 WEBF Olean NY bn
1207 WWSE 93.3 NY Jamestown "SE(#)" JUNE 3 in town briefly & Es unID g 88.9/1923.
Burnt River Es hit FM May 27 104.1 & June 5 100.5. Readallabout it next month. 73's, SAUL



I want an update of
your FM & TV stats
now!!!

QSL CORNER

Thomas J. Yingling, jr.
221 Pinewood Road
Baltimore, MD 21222

FM QSL

- FL WUWF 88.1 Pensacola, University of West Florida, 32504. Send picture post card, after follow-up report, with reply from Station Manager, with name of signer unassignable. Reply in 2 months. Holbrook
- IA KUNI 90.9 Cedar Falls, 50613. Long letter & station program guide in 4 days from T. M. Iverson, Overnight Operator. He sent alot of station info., it cost him 75¢ to mail. Nieman
- KBBG 88.1 Waterloo, 527½ Cottage St. 50703. Letter from Harris Ceaser, Station manager. Holbrook
- KCKC 88.3 Cedar Rapids, 6301 Kirkwood Ave. Box 2068, 52406. Letter from Bruce Powers, Mgr. Holbrook
- MO KMoe 92.1 Butler, 800 E. Nursery St. 64730. Letter from B. D. Thorton, Pres. & GM. Chernos
- KCUR 89.3 Kansas City, Univeristy of Missouri, 5327 Homes, 64110. Typed letter from Bill Hunnacutt, Mgr. of Media Eng. Jefferson
- MI WDRQ 93.1 Southfield, 20300 Civic Center Dr. suite 300, 48075. Letter from Donna Canu, Sec. to General Manager in 12 days. Ehrhardt **
- WRIF 101.1 Southfield, P. O. Box 789, 48037. Bumber-sticker & a DREAD card-(Detroit Rockers Engaged in the Abolition of Disco) in 15 days. **
- MN WCCO 102.9 Minneapolis, 215 S. 11th St. 55403. typed letter from John F. Harding, CE, noting that reception was due to sporadic-e skip so knows DX. Also send station profile. Jefferson
- KJJK 96.5 Fergus Falls, Box 212, 56537. Letter from Jack Brush, Pres. & GM who expressed surprized that the signal come in so well in the Duluth area, and my report "is indeed resrepresenting the greatest distance." Elving
- NM KNIT 95.3 Portales, Box 886, 88130-0886. Letter from Jimm Seaney, GM (note: the double m) & business card. Said he hadn't heard from a DX'er in years. He feared the hobby had died! Also noted for BCB-DX'ers that he applied for 700khz in Silt, CO. Jefferson
- OH WQXK 105.1 Salem, 300 E. State St. P. O. Box 530, 44460. Immediately after my follow-up report, got a 3 line letter from Wayne Allio, Engineer, Return postage used this time! Chernos
- SD KKYA 93.1 Yankton, Box 625, 57078. Letter from Kurt Browall, GM with a coverage-map. Jefferson
- KS KXXX 100.3 Colby, Box 27, 67701. Letter with signer Steve Yewell, Operations Manager, also send am-station coverage-map with fm hand-drawn in. Jefferson
- NY WWOR 100.5 Rochester, Box 40340, 333 Midtown Tower, 14604. Letter from Robert G. Mallery, Dir. of Eng. in 2 weeks. Reese
- WV WANJ 107.5 Wheeling, P. O. Box 6273, 98-16th St. 26003. Note from Tom Schlosser, General manager confirming my reception with stuff on station. Holbrook
- PA WYZZ 92.9 Wilkes-Barre, 156 Prospect St, 18702-4897. Letter from Ron Schacht, CE after an follow-up report. Holbrook
- WI WISQ 100.1 West Salem, P. O. Box 100, 54669. Handwritten letter back in 9 days Pat Delaney, CE. Purdue

This month reporters are: Hank Holbrook of Chevy Chase, MD; Dave Nieman of Akron, NY; Saul Chernos of Toronto, Ont.; John Jefferson of Pleasanton, CA; Mike Ehrhardt of Alden, NY; Richard Reese of Jersey Shore, PA; Ronald Purdue of Byron, MN; Bruce Elving of Kearney, NE. Just in case you are wondering why the bottom half of this page is in no order, is that I'm flat out of all FM QSLs to be typed up. I looked thru all the ones that were used to double check for no mark thru the item (I draw a line thru item when I use it) and found no more to use. So, all I got left is about 30 TV QSL items & I will fresh out of QSL items for furture columns. Will someone please report, or this column will have go every other month or something! Send in copies of your letters, cards, maybe even copies of bumber-stickers!!! In the mean while thanks alot to all past reporters. I been doing this column since Jan. 77' & before that as FM-QSL Corner since Feb. 76' & I have never gotten this low on QSL items ever. I hope I will get some help from someone out there in the membership.

SUPPORT QSL CORNER!



COME TO THE 1983 W T F D A CONVENTION, Dunkirk, N.Y. August 5th-7th

IT'S ALMOST TIME FOR THIS YEAR'S WTFDA CONVENTION! YOUR CLUB'S FIFTEENTH ANNUAL GETTOGETHER WILL BE HELD AT DUNKIRK, NEW YORK--THE MOST POPULAR WTFDA CONVENTION SITE. THIS IS OUR FOURTH DUNKIRK CONVENTION, AND IT SHOULD BE ONE OF THE BEST EVER. ONCE AGAIN, YOUR HOST IS BOB SEYBOLD.

THE PROGRAM WILL INCLUDE A TOUR OF WQLN-TV AND FM IN ERIE, PA, AND MAYBE EVEN A TROPO DX OPENING--THE TIME OF THE YEAR IS IDEAL FOR LONG HAUL TV AND FM DUCTING IN THE AREA. "NORMAL" CONDITIONS FROM THIS AREA HAVE TO BE SEEN TO BE BELIEVED!

THOSE WISHING TO GO ON THE TOUR ARE ADVISED TO ARRIVE EARLY--CONVENTION ACTIVITIES WILL START FRIDAY (AUGUST 5TH) MORNING AT 9A.M. FRIDAY AFTERNOON AND EVENING WILL BE INFORMAL, WITH A COOKOUT AND DX "GAB" SESSION UNDERWAY AS MEMBERS ARRIVE.

AS USUAL FOR A DUNKIRK CONVENTION, MOST ACTIVITIES WILL TAKE PLACE ON THE SEYBOLD FARM, ADJACENT TO OUR CONVENTION HEADQUARTERS, THE VINEYARD QUALITY INN. DX SYSTEMS WILL BE IN OPERATION AT THE FARM, AND UP ON THE HILLTOP DX SITE A FEW MILES AWAY. AS USUAL, WE'LL BE HAVING DXPEditionS TO THE HILLTOP, AND BACK AT THE FARM, A FULL SCHEDULE OF ACTIVITIES WILL BE INCLUDED. SATURDAY (AUGUST 6TH) WILL BE THE BUSIEST DAY, WITH TALKS AND DEMONSTRATIONS. A CLUB BUSINESS DISCUSSION WILL CLOSE THE FORMAL ACTIVITIES SUNDAY MORNING.

THE TRADITIONAL BANQUET TAKES PLACE AT THE VINEYARD INN ON SATURDAY. THOSE NOT WISHING TO ATTEND THE BANQUET, WHICH IS INFORMAL, STILL MUST PAY THE \$20.00 CONVENTION FEE, WHICH ALSO COVERS REFRESHMENTS AND A FRIDAY EVENING COOKOUT.

ROOM RATES WILL BE VERY REASONABLE FOR THE CONVENTION: \$24/NIGHT FOR A SINGLE, \$28 to \$32 FOR TWO OR MORE IN ROOM. FOR THOSE TRAVELLING VIA THE INTERSTATE HIGHWAYS, THE MOTEL IS RIGHT AT NEW YORK THRUWAY (I-90) EXIT 59--JUST LOOK FOR THE QUALITY INN SIGN A COUPLE BLOCKS AWAY--ON BENNETT RD. AT VINEYARD DRIVE.

COME TO THE 1983 WTFDA CONVENTION

FOR MORE INFO, SEND A SELF-ADDRESSED STAMPED ENVELOPE TO WTFDA HQ, OR CONTACT BOB DIRECTLY AT (716) 679-1984.

DON'T MISS THIS YEAR'S WTFDA CONVENTION--SEE YOU THERE!!!

WTFDA 1983 CONVENTION REGISTRATION FORM

Please complete and mail as soon as possible and not later than July 23!

Please include a SASE for confirmation reply.

MAIL TO:

Bob Seybold
Bennett Road, RD 2
Dunkirk, NY 14048

Please reserve a motel room for me for the following dates:

July __, __, __, August __, __, __. I would be interested in sharing a room with one or more DXers: () Yes () No. If yes, do you have a choice of roommate(s)? _____

() Enclosed is \$20 advance registration fee.

() Will pay at convention.

(Registration fee includes banquet, refreshments, convention expenses.)

If you can provide transportation for other DXers in your area, or along the way (splitting gas expenses), please explain _____

If you need transportation and would be interested in riding with another DXer in your area or along the way (splitting gas expenses), please explain _____

What day and time do you plan to arrive? _____

If arriving by air or bus, please give details (line, number, time, etc.) _____

If you plan to bring any of the following, please check: () DX cassette

() DX reel-to-reel () videocassette _____ format () DX movie

() slides

Name: _____ Number of persons to be included in this reservation _____

Address: _____

City: _____ State/Province: _____ Zip/PC _____

I am primarily interested in: () TV, () FM, () PSB

I would be interested in conducting a seminar: () Yes () No. If yes, explain: _____

I am interested in going on station tours: () Yes () No

(YOU MAY PHOTOCOPY THIS PAGE)

WEATHER SYSTEMS & TROPO DX

BY AN VINCE PEARLINGI II
U.S.S. FORRESTAL

I work aboard an aircraft carrier with their weather office. Twice a day we launch a ballon which measures temperature, dew point, and winds aloft to around 50,000 feet. The forecasters were working on refractivity of radio waves on this first occasion and I observed, then asked questions.

Refractivity is caused by an inversion of the layers of air aloft. There are four basic types of refraction.

A simple refractive layer is just the waves being bent to conform to the earth's surface.

A super refractive layer is just as the above only the waves are bent in greater angles than the refractive layer.

A sub refractive layer occurs below a refractive layer and this type is the common "tropo" that occurs on summer mornings and evenings.

The final one is a trapping layer which is from either a temperature or humidity inversion at the surface.

Weather systems affect the tropo greatly. Occlusion fronts which always are associated with low pressure consist of cold air at the surface and warm moist air aloft. Since the refraction will occur higher up and extend from just ahead of the front to well behind the front, signals come a lot farther. Cold fronts are drier aloft and usually ride over the warm air. Cumulo-form clouds are present and usually extend quite high into the atmosphere. We have had cumulonimbus clouds here 30,000 feet high with freezing levels around 10,000 feet in the cloud while surrounding layers are freezing at 15,000 feet.

Warm fronts start high up and work down. Since warm air holds more moisture, it will refract regardless of whether or not it is in a front. In warm fronts the super refraction occurs when the cold and warm air are replacing one another. Refraction starts to occur up to one thousand miles ahead of the front.

Stationary fronts divide cold air and warm air. The best "tropo" will occur ahead of the front because the warm air will advance up and over the surface cold air. Stationary fronts basically have characteristics of warm fronts.

There are many instances which also affect tropo. Weather systems like troughs of low pressure which have warm air at the surface and cold moist air aloft are one example. The amount of refraction also depends on the saturation of the air. We have had fair weather with scattered cumulus and also experienced refraction slightly stronger than usual. The radiosonde (balloon) reported at 3,000 feet that the air was nearly saturated while on the surface, or above the cumulus, the air was drier than usual.

Prior to the beginning of rain the air is saturated and may have some inversions present. Once the rain falls the air cools evenly and retains a steady dewpoint to weaken any catalyst which will cause refraction.

In the wintertime the cold air which dominates the Midwest and East originates from Canada or Siberia. The air is unstable (no rise or decline in dewpoint and significant difference from surface to aloft) and because of its' dry state, unable to refract properly. If the cold air is forced to rise, it will continue to rise. Stable air will descend once the upward force is eliminated.

The radiosonde (balloon) also showed that when skies go to broken (more than half the celestial dome covered with clouds) there is significant refraction occurring. If there are more than one layer of clouds, each broken or overcast layer will have significant refractivity occurring. Regardless of clouds, all clouds show a temperature and humidity difference from layers aloft or below.

I'm using information I attained plus our weather charts and Dan Osting's records. I found that most of October 1981's tropo was caused by an elongated trough of low pressure which was nearly stationary, and extended from central Canada, southeast to Missouri, then east to North Carolina, extending into the ocean. This was an upper level trough, not a surface system.

JUST \$7.00!



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