

John Zondlo  
1802 N. Rockwell,  
Apt. 107  
Bethany, OK 73008  
(405) 787-3717  
Deadline: 5th



# MAILBOX

## From The Staff:

**WTFDA Headquarters, P.O. Box 97, Calumet City, IL 60409**

1981 WTFDA Convention...Inserted in this VUD issue is the 1981 WTFDA Convention Registration Form. If you have been thinking of attending this year's gathering, now's the time to act. Use the form to let host John Zondlo know of your intentions. It's time to make those summer travel plans, and this year's centrally located site in Oklahoma City should fit in well with anyone travelling cross country. More details appear on page 14 of this issue. You won't want to miss this one! Oklahoma City? A capitol idea!

**SUPER AURORAL ACTIVITY...**Many DXers were expecting a large amount of auroral DX activity this spring, and it appears as if they're going to get it. In mid-April, a huge solar flare was producing what national media called one of the greatest visual displays of "northern lights" in history. Be alert--if you live in a northern area, sudden-starting auroral-induced E-skip openings can take place at this time of the year.

**GET READY FOR E-SKIP...**This month's cover should also help remind you that it's time for the regular E-skip season to get underway. Are you ready for it? Some skip seasons start late in the month, others get underway early--but those first few openings can take even the most experienced DXer by surprise. We hope you're checking for Es as you're reading this!

**WHAT A DEAL!**...With the price of almost everything else going up lately, we urge you to check out the special offer on page 27. With a limited number of EPM and QNDAS FM guides still left, we're determined to give FM DXers a bargain with a package of both books for only \$4.00 while the supply lasts. Just in time for the FM Es season.

**BITS:** Morrie Goldman's announcement on the new WTFDA TV STATION GUIDE should be in next month's VUD, with word on price...We're happy to say that VHF UTILITY DX editor Pat Dyer is out of the hospital...WESTERN TV DX editor Fred McCormick sends word that a lack of DX reports has prevented him from doing a column again this month...

## TABLE OF CONTENTS

MAILBOX: Interesting comments from a Dutch TV/FM DXer.....	3
REVIEW--T.E.N. FM/AM/FM-MPX AUTO RADIO: Toyota's hot rx....	4
FCC FM NEWS: WYK 88.7 would rather not be in FM Atlas!...	7
FCC TV NEWS: Bill Fabber's first column filled with info..	8
SOUTHERN FM DX: Ground wave "loggings" are not DX.....	12
NORTHERN FM DX: Not much DX.....	13
1981 WTFDA CONVENTION: This year, something for everyone..	14
PHOTO NEWS: A nifty shot of Mexico City via E-skip.....	15
EASTERN TV DX: Much DX from last year.....	16
THE R.F.S. MEXICAN TV LIST: More from Ron Schatz.....	20
TECHNICAL TOPICS: Connection between E-skip and storms...	23
IN SEARCH OF PSB: The basic PSB DX set-up.....	24
QSL CORNER: Lots of veries from Texas FMs.....	26

### New Member:

Norbert Kaiser Unterer Kreuzweg 6 Oerlenbach 1, West Germany

### Renewals:

John Bolduc, Fred Born, Danny Buntin, John Callarman, Tom Cornell, Richard Eckman, Bill Grant, Glenn Jacobs, Fred Nordquist, Jim Pizzi, Rick Samford, Richard Steinberger, John Sulak, Phil Sullivan, Verrell Tallet, Pete Taylor,

### Renewals Due in June:

Richard N. Allen, John Basehore, John Blue, Andy Bolin, Jim Brann, Walt Breville, Tim Cronin, John Demmitt, Mike DeRoo, William Eckberg, Lawrence Glass, Dave Hascall, Thomas Holmes, Jim Hopkins, George Jensen, Michael Lapinski, Roland Lindblade, David McBride, John S. Phillips, Zbigniew Pianka, Edward Ritchie, Jr., Ron Schatz, William R. Smith, Steven Sprachman, Martin Theil, Alphonse Tobia, Mel Wilson, Tracy Wood.

### Tidbits.....

WTFDA member Don Voegelé is currently an electronics technology instructor at the College of Marin, Kentfield, CA, 94904 (near San Francisco). He's looking for a similar position for September 1981. Don got interested in electronics through his TV DXing interest near Buffalo. He's an experienced electronics technician and teacher with a communications emphasis. If you have any leads as to openings, write Don, or give him a call at (415) 485-9531.

One of the most respected DXers in Europe, Paul van Rossum, has some comments for us this month on DXing in Europe. He's the editor-in-chief of the bulletin of the Benelux DX Club in the Netherlands, the leading TV-FM club in Europe (they also cover several other bands). We'll likely feature Paul's comments in several upcoming issues: "As an ex-resident of Los Angeles - or perhaps I should say half a dozen cities surrounding this great metropolis - I am quite familiar with the FM and TV situation in your country. By the way, never knew about the existence of your club then, and even if I had I probably wouldn't have joined as the big mountains surrounding IA combined with the vast quantity of occupied frequencies limited DX, if you could call it so, to reception of Santa Barbara and San Diego/Tijuana stations.

One problem I found time after time in IA was overload on FM. I'm sure this will happen to just about anyone living within a couple of miles of a reasonably strong transmitter, so in tests of tuners for FM we let this play a major role. We tested enormously expensive receivers as well as more normal priced ones (Revox B760, Sansui TU-X1, Sony's STA-7B, Philips AH 799, Nikko Gamma 1, Siemens RS 555, Yamaha T2, idem CT 7000, and the superexpensive Klein and Hummel FM 2002 costing \$3,000, as well as top-of-the-line products of Luxman, Akai, Kenwood, Aiwa, Accuphase and National Panasonic, just to mention some). Directing an 8 element FM antenna, of course not amplified, straight at the transmitter of Lopik-Ijsselstein ( 3 x 50kw ), none of the tuners tested, except for one, was capable of handling the strong signal without creating by-products over the entire FM range. The only set that could handle literally any signal was the Technics ST 9030, a simple, moderately priced and very clean looking machine. Recently it has, unfortunately, been taken off the market by the importer here, but in neighboring European countries it still is widely available. Two bandwidths, and very good specs (such as image rejection of 135 dB!), we, or I should say the more technically gifted people within our club, think that the excellent performance of this set is largely due to its 9 circuit mechanic tuner, and double mixer in the front end. We'll have more from Paul in the next Mailbox.

Be sure to make your plans now to attend the 1981 WTFDA convention in OKC. You'll find a great mixture of big city and wild west in the capital city. See y'all next month.....73.....

## REVIEW:

# T.E.N. FM/AM/FM-MPX AUTO RADIO

by Mark L. Lewis

In the past fifteen years, I have rarely been surprised by new receivers introduced into the market. Like many DXers, I am an urban dweller. The trend over the past decade and a half, in Canada, has been to fill all available FM channels, and decimate the UHF bands with many high-powered non-id repeaters owned by C.B.C. As a result, my ability to DX has decreased substantially. In point of fact, it has now gotten to the point where I am in the final stages of withdrawing from this past-time. Without dwelling upon my DXing problems too much, I'd like to set up the scene a little: I presently live about 5 km north of the C.N. Tower. At present, seven FM stations transmit from the tower. They are so close that the strobe lights on the tower light up my dining room in winter when there are no leaves on the trees. The ERP from the FM stations alone amounts to over 245 kw. Add to that an additional 49 kw from CKO on a nearby building. I would estimate that the signal levels exceed well over 120 dbu for FM. Add to that the TV rf on channels 5, 9, 19, 25, 47, and 79, and you have a fantastic amount of RFI. I have not added in the several dozen regional stations at 50-70 km. All in all, DXing is not easy within the shadow of the CN tower. A serious DXer would probably move, but my wife and I are city people and our home is within ten minutes of our offices. Furthermore, although in the heart of the city, we are located on a natural ravine filled with wildlife, so it is very much like living in the country.

My attempts in achieving "semi-local" reception using my AJ-15 receivers has met with virtual disaster. We live in an apartment so roof-mounted antennas are presently out of the question. The over-load from the CN Tower is so severe that even with wave-traps the situation is hopeless. One receiver at the rear of the building is literally shielded from the tower by the building. Using an omni-directional antenna on the north balcony, I have been able to receive a few stations and a limited amount of DX. So much for the old reliable AJ-15's.

Imagine my surprise when I purchased a new Toyota about four weeks ago and found a DX-quality receiver as "standard equipment". As you may know, the Japanese auto-makers are now including stereos in their premium model cars at no extra cost. When I took the car for a test-drive I was rather impressed, but skeptical. Given the fact that I had to trade in a Ford "lemon", and have refused to purchase another North American car after my problems with Ford, I was what might be referred to as a "captive market" ie. I couldn't quibble over the factory-equipped radio.

The Toyota is equipped with a radio which has the Trademark "TEN". I have done a considerable amount of city driving in the past four weeks and evaluated the radio. First the good points:

- 1) The receiver is perhaps the most sensitive and selective I have ever heard. There is virtually no over-load or imaging, except within about 1.5 km from the CN Tower. I would estimate that the image rejection well exceeds 110 dbu!!!
- 2) The vernier-type tuning requires approx. 5.5 turns for a full 20 MHz FM band. That means the knob tunes approximately 1 MHz per  $\frac{1}{4}$  turn. Match the tuning system to the selectivity and that means that there are actual "blank" spots between your local stations and alternate adjacent channels. For example there is a space between WACJ 104.1 and CHUM-FM 104.5 @40 kw.

## REVIEW OF T.E.N. FM/AM/FM-MPX AUTO RADIO

3) Between those local and regional channels, are the "spaces" where the DX hides. At 2 km from the CN tower, I can always receive CBOK-FM Kingston at approximately 150 miles. I can also receive the new Peterborough ont. CBC repeater on 93.5 @90 miles; remember, we have a local at 94.1 @ 2 km, and a Buffalo station at 93.7 MHz. That's selectivity!!!

4) Most other stations out to 150 airmiles are usually there! Remember, this receiver is fighting off 120 dbu+ of imaging etc. @ 2 km. What happens, you may ask, when you approach "ground zero"? Well, at the base of the CN Tower, my Craig receiver used to go into "hysterics" and even with "DX" switch engaged, nothing was discernable for about 1 km each side of the Tower. With the TEN, all you have to do is to trim the outside antenna a little, and you can receive stations out to about 75 miles at "ground zero." Fortunately, on the Toyota, the antenna is on the driver's side along the window, so adjustment requires no effort.

5) All right, so selectivity and sensitivity are good, but what about stereo reception? The receiver appears to have a terrific P.L.L. stereo decoder. Even weak \$ stations will trigger the MPX circuits. The receiver has among the best s/n and quieting curves which I have ever witnessed. (that is fortunate, as there is no \$ defeat switch) The received signals are wide enough, (even weak signals) so that you can fine-tune for maximum signal to noise. Stereo separation and frequency response are superb. Toyota's idea of speaker placement is not satisfactory however, (in the rocker panels) and I will probably install better speakers in the future.

### COMPLAINTS

(i) No \$/mono switch. There are times when extremely weak \$ signals trigger the PLL, and induce a little too much noise for identification or ordinary listening. While this is a rare problem, it is a problem nevertheless. Possibly a switch could be installed.

(ii) No "DX" attenuator switch. Not really a problem, because I do not think that there are many test areas like downtown Toronto. You could add a motor driven antenna to "trim" and attenuate. That seems to be the solution. Or, you could install a mechanical tunable trap at the receiver.

(iii) Dial calibration. This is my greatest displeasure. Despite the vernier tuning, the dial is not well calibrated. 106.5 appears to be 108. I may be able to adjust the dial a little, but for now, using locals or semi-locals as beacons will suffice.

(iv) Pushbuttons: There are only five pushbuttons; 3-fm, 2-am. The buttons themselves switch the bands. That means if you have the 3-fm buttons set for 98, 103, 106 MHz, you will have to manually tune down to 88 from the 98 button. Likewise if you AM DX, your buttons will have to be judiciously chosen. Unlike many FM sets though, the buttons are highly accurate once set, even in -20 Celsius weather.

(v) Tuning, volume, tone, balance controls: They are right-left, unlike most receivers with volume on left, tuning on right. You have to get used to that.

FINAL SYNOPSIS

The T.E.N. receiver is a sure winner. In the past decade the Japanese car makers have put top quality components into their automobiles, when others have taken those components out. One other bonus is that the radio is mounted in a swivel console so that either the driver or the passenger can operate the radio without interfering with the gear shift. The stereo-phonics performance will please even ardent non-DXer audiophiles. The receiver has good power output and one of the best tone-controls I have yet seen. Side-by-side performance with the Heathkit AJ-15 and the Craig line is telling; no contest with the T.E.N.

One other point, when the car was driven further from the CN Tower, to about 25 km from "ground zero" the radio really performed. Very weak adjacent channel signals to 200 km were heard under normal winter conditions. Oh yes, the Toyota people seem to have succeeded at ignition noise suppression and windshield wiper noise suppression. Two of many problems that Ford did not master with their Mustangs. These two noise problems can make or break a car system for a DXer.

Mark L. Lewis, 600 Lonsdale Road, #6, Toronto, Ontario, Canada, M5P 1R7

## Handicapped Aid Program



### Midwest Representative:

Thomas D. Haskett, 3831 Hendricks Pl., Gary, IN 46408

The Handicapped Aid Program is currently seeking persons who would like to be a friend to a Handicapped DXer in their state, city, or community.

The only prerequisite is to want to help a fellow DXer with problems, correspond, advise, and if possible, visit.

Interested persons should contact HAP Field Operations Co-ordinator Thomas D. Haskett, 3831 Hendricks Place, Gary, IN 46408, (219) 981-2465.

# STATION BREAK

c/o Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

WTFDA member ads only. 3 line or 30 word limit.

FOR SALE - JFD APM-2 Powermate VHF(only) & Winegard RD-830 UHF/VHF antenna-mounted pre-amps, both for use in rural (non-metro) areas, both like new, with hardware. Both \$15.00 each, you pay shipping. Ed Kowalski, 3300 Chesterfield Road, Philadelphia, PA 19114.

TRADE - Beginning stamp collector would like to trade duplicate domestic/foreign stamps. Charles George, 6407 Howard, Dallas, TX 75227.

Your non-commercial ad can appear in the VUD free of charge! Got a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.



# FM NEWS Bruce F. Elving

Editor - 4515 Avenue "E," Kearney NE 68847

Headlines are from a headliner I am using on trial; it has only one supplied font.

## New

- AL Birmingham \*91.9 800 h.v.; 680' g; Glen Iris School, to operate Monday, Wednesday and Friday and alternate Sundays, sharing time with previously-announced Birmingham 91.9 grant to SE Bible (1350 h.v.; 447'), which will operate Tuesdays, Thursdays, Saturdays and alternate Sundays
- AR Fairfield Bay (on one of AR's lakes—look it up!) 106.3 3000 h.v.; 290'; rock format
- CA Blythe \*88.5 10 watts; Spanish/Ezuela la Roza CA Desert Hot Springs K296BK 107.1 \$, g (KECR 93.3 El Cajon CA translator)
- CA Saratoga KBAY-1 100.3 \$, m 10 w. Directional 130'. This grant will exist side by side with K261AR 100.1 in Saratoga (a KBAY 100.3 FM translator, which will be only 1 watt with a directional lobe of 210' from the same site as KBAY-1).
- FL Fort Myers Beach 99.3 3000 h.v.; 300'; m IA Fort Dodge K276BE 103.1 g (KRG5 104.9 Spencer IA licensed FM translator)
- MO Monroe City 101.7 2400 h.v.; 330'
- NE Auburn 105.5 3000 hv; 100'; m
- NV Sparks 100.9 3000 h.v.; -385'; country & rock
- WV Berthlehm 105.5 3000 h.v.; 300'; rock
- WA Chelan 93.5 165 h.v.; 1040'
- WI Whitehall 102.3 1550 h.v.; 400'; rock
- MEXICO Ciudad Juarez XHFU 105.9 \$, 60000 h.v.; -223'; ON AIR, "FM 106 Estereo," replaces never-built XHGH.
- NY Oneonta WONY \*90.9 118 (h); -72'
- NY Nyack WNYK to be \*88.7, not 91.3, g; not yet on air; station told me they'd rather not be listed in FM ATLAS, as they are a student training station for pastors and missionaries, but I told them I have to list all FCC-authorized FM stations.
- NC Greensboro WQFS from 90.7 to \*90.9 1900 h.v.; 200 feet above average terrain
- OH Ashland WRDL from 89.5 to \*88.9 3000 h.v.; 170'
- OH Dayton WWSU from 88.5 to \*106.9 8 watts horizontal and vertical; 210'
- OH Sandusky WCPZ 102.7 10000 h.v.; 140'
- OR Prineville KJKJ 95.3 1100 h.v.; 450'
- PA Friesland WDEQ 103.1 630 h.v.; (680')
- PA Mansfield WQTE \*89.5 115 h.v.; -340'
- PA Shippensburg WSYC \*88.7 130 h.v.; 155'
- RI Coventry WCYV \*91.5 200 h.v.; 36'
- SC Laurens WGXL 100.5 1280' (100000 h.v.)
- SD Mitchell KMIT 105.9 65000 h.v. (310')
- SD Pierre KNEY 95.3 3000 h.v.; 300' [440']
- TN Memphis KWAM-FM 101.1 100000 h.v./TX Canyon KWTS \*91.1 125 (h); -9 feet
- TX Kingsville KTAI \*91.1 100 (h); 99 feet
- TX Odessa KUFO 97.9 100000 h.v.; 360'
- VT Middlebury WRMC \*91.7 100 h.v.; -37'
- WA Bremerton KWWA 106.9 30000 h.v.; 1430'
- WV Huntington WMUL \*88.1 -55' (175 h.v.)
- VI Frederiksted WVIS 106.1 9000 h.v.; 910'
- PR Carolina WOLA 107.7 1090' (50000 h.v.)

## Deletions

- FL Miami WMJX 96.3 (interim applicant has filed for use of that channel until a final winner is announced; the channel itself is changing to 96.5)
- MO St. Louis KOMR \*89.3—confirmed by phone OFF THE AIR BUT NOT DELETED:
- MO St. Louis KBDY \*89.9

## Facilities

- AK Anchorage KSKA \*103.1 135' (3000 h.v.)
- AK Fairbanks KAYY, "Stereo K-101," ON AIR, -130' (25000 h.v.), soft rock, 24 hours
- CA Sacramento KWOD 106.5 500' (50000 h.v.)
- CA Turlock KCSS \*91.9 150 h.v.; 60'
- CT Berlin WERB from 89.3 to \*97.3 24 w.; -69'
- FL Orlando W255AA 98.9 (from W228AC 93.5)
- FL Pensacola WOWW 107.3 470' (100000 h.v.) [300']
- FL Titusville WPIO \*89.1 (from 89.3) 3000 h.v.; /
- IL Grangeville KORT-FM 92.7 410 h.v.; 710'
- IL Godfrey WLCA \*89.9 112' (700 h.v.) [160']
- IL Greenview WGRN from 89.3 to \*89.5 225 h.v.; /
- IL Mettoon WLKL from 90.3 to \*89.9 1300h.v./205'
- IN Fort Wayne WBCL \*90.3 40000 h.v.; 460'
- LA Baton Rouge WFEM 102.5 100000 h.v.; 1260', directional
- ME Presque Isle WOZI 101.7 1350 (h); 420'
- MD Hagerstown WWCS 106.9 15500 h.v., 13500 v (840'), presumably deleting directional antennas
- MI Iron Mountain WJNR 101.5 (from 103.9) 1200 h.v.; 615'
- MI Kalamazoo WIDR \*89.1 100 watts h.v.; 180'
- MN Moorhead KQWB-FM 98.7 500' (100000h.v.), deletes talking farm news in favor of machine data (TX) on its SCA at 87 kHz.
- MN Winona KQAL \*89.5 1320 h.v.; -150'
- MO Columbia KWWC \*90.5 1250 h.v.; 95' adds \$
- MO St. Louis KADI-FM 96.3 550' (100000 h.v.)
- MS Laurel WNSL 100.3 30000 h.v.; 400'
- NV Las Vegas KNPR \*89.5 1580' (5000 h.v.)
- NV Reno KNEV 95.5 60000 h.v. directional, 2270'
- NJ Trenton WKXW-FM 101.5 7500 h.v.; 830'
- NY Brentwood WXBA \*88.1 (from 88.5) 180 (h); 53'
- CA Los Gatos KRVE 95.3 Portuguese 7 am to 10 pm daily (m other times): P, em.
- FL Cape Coral WRRC 103.9 N
- FL Naples WWSL 97.7 N
- FL Tampa WYNF 94.9 rp
- GA Atlanta WKLS-FM 96.1 T (occasional)
- IN Jeffersonville-Louisville WQMF 95.7 now rp, uses obscene nonID, which I won't list
- KY Bowling Green WKYU \*88.9 cj
- KY Elizabethtown WQXE 100.1 rock
- KY Owensboro WSTO 96.1 now m, "Special Music 96": NM Farmington KRAZ 96.9R KO
- NY Manlius WAQX 95.3 A
- OH Cincinnati WLGA 98.5 now rock
- OH Cleveland WZAK 93.1 soul
- OK Oklahoma City KZUE 102.7 m (Schulke!!)
- TN Greenville WO FM 94.9 N [Nashville"]
- TN Nashville WJYN 105.9 m, "The Joy of /
- TX Houston KILT-FM 100.3 k
- TX San Antonio KURU \*89.1 to be P
- WI Madison WIBA-FM 101.5 from p to r
- WI Milwaukee WMSE \*91.7 r (on air: 1000; 125')
- WI Wausau WDEZ 101.9 k
- AT Red Deer CKRD-FM 98.9 c; CBC-Stereo net
- PQ Chateaugay CHAI 101.9 has v; jm, church steeple transmitter gives them a strong signal in Montreal at just 50 watts h & v.
- CA Chico KFME 93.7 adds SCA
- CA Fresno KFCE \*88.1 adds SCA; CA Thousand Oaks KNJO 92.7 adds SCA; IL Peoria WCBU \*89.9 adds SCA; IA Iowa City KRNA 93.9 adds SCA; KY Fort Knox WKKK 105.5 drops its SCA. KY Louisville WFPL \*89.3 talking book 5-7 hours daily, scattered from sign on to sign off; talk and jazz on main carrier, with late-night jazz.

## Formats/Nets

- LA Port Sulphur 106.7 KHAA
- ME Bangor \*88.5 WHCF
- ME Biddeford 94.3 WBVC-FM (WIDE-FM)
- MA Greenfield 95.3 WRSI
- MI Jackson 106.1 WJXQ (WJOX)
- MI Sault Ste. Marie 99.5 WLXX (WSMM)
- MS Hattiesburg 92.1 WJMG
- MO Palmyra 98.3 KIDS
- MT Glasgow 93.5 KLAN
- MT Sidney 95.1 KSDY-FM
- NE Ord 103.9 KNLV-FM
- NH Manchester \*90.7 WANH-FM
- NH Peterborough 92.1 WMDK (WLSL), rock
- NY New York 97.9 WEVTV-FM (WEVD-FM)
- NC Thomasville 98.5 WEVE (WTNC-FM)
- ND Jamestown 95.5 KGWB
- OK Andarko 103.7 KRPT-FM
- SD Sioux Falls 95.5 KKRZ (KLYX-FM)
- TX Haskell 95.5 KVRP-FM
- TX Mercedes-Westaco 106.3 KTMW
- VA Virginia Beach 94.9 WNRN
- TX Denton 106.1 KIXK (KDDC)
- VA Pulaski 107.1 WPSK-FM (WPUV-FM)
- WI Washburn \*90.5 WHIJ
- AT Courts-Milk River 90.9 CBRA
- PQ Mistassini Station 100.7 CBFM-FM 101.5 CBVS-FM

## Stations/NonIDs

- ID Boise KIDD 104.3 Q-104
- NE Omaha KGDR 99.9 FM-100
- SCA (67 kHz)
- DUAL OR MULTI-CITY IDs
- AR Conway KMJX 105.1 adds Little Rock
- CA Santa Clara KARA 105.7 adds San Jose
- TX Dallas KNUS 98.7 adds Ft. Worth, K-News-99
- TX Refugio KYOT 106.3 adds Rockport and Fulton TX, "Coyote"
- Contributors to be listed next month!

# FCC TV NEWS

Bill Fahber  
336 Atlantic Street  
Bridgeton, NJ, 08302

## CHANGES IN CHANNEL ASSIGNMENTS (from the Federal Register)

DELETE:	ADD:
CO Alamosa 3-	CA San Jose 65z
FL Boca Raton *14z, *62+	Riverside 62z
Sebring *27z	San Diego 69z
W. Palm Beach 25+, 53z	CO Colo. Springs 3-
MI Lansing 36+	FL Boca Raton *63z
Saginaw 45-	Hollywood 69z
MT Anaconda 2+	Orange Park 25-
Butte *7-	Sebring *48z
OH Marion 68-	W. Palm Beach 29+, 61z
Newark 52z	KY Campbellsville 34z
Sandusky 51-	Danville 56z
Toledo 54z, 60-	Lexington 62z
UT Price 6z	MI Lansing 47z
Vernal 3+	Saginaw 49z
	MT Roseman 7z
	Butte *2-
	OH Mansfield 68-
	Newark 51z
	Sandusky 52z
	Toledo 36-
	OR Portland 40-
	TX Irving 49z
	UT Price 3+
	Vernal 6z
	WA Vancouver 49z
	62z
	47z
	49z
	*z- Offsets
	* Noncommercial

In addition to the above additions and deletions, the following changes were made affecting commercial status of existing stations: La Grande, OR 13+, \*16z

Late note: add: Laurel Hill, N.C. 57+ Crossville, TN 20+, \*55+

## CONSTRUCTION PERMITS GRANTED BY THE FCC FOR BROADCAST STATIONS (Ref: Broadcasting)

ST. ch. C.L.	ERP	HAAT City	vis. feet	ST Ch C.L.	ERP	HAAT City	vis. feet
AL 15 WPMI	2570	1630	Mobile; Hess Broadc'ng	TX 23	500	1470	Brownsville; TDSol
10 WBIQ	316	1046	Birmingham; Ala. ETV	VA 63	1660	681	Richmond; CBN
41 WIIQ	447	1082	Demopolis; Ala. ETV	35 WRHPTV	3090	740	Richmond; NCC
26 WAIQ	229	590	Montgomery; Ala. ETV	WA 15 KCKA	603	2130	Centralia; Tacoma
AK 4 KJNPTV	19	1620	North Pole; Ak.Evang.	WV 46 WLYJ	28	796	Clarksburg; V.X'nCC
AZ 7 KUSK	9	2814	Prescott; Wm.H.Sauro	WI 30	550	960	Milwaukee; X'nCC

### Subscription Television (STV) granted

CA 48 KSTS	San Jose
IL 26 WCIUTV	Chicago
44 WSNS	Chicago
MD 54 WNUVTV	Baltimore
MA 27 WSMWTV	Worcester
MI 31 WRHT	Ann Arbor
MO 30 KDNLTV	Saint Louis
OK 43 KFHCTV	Oklahoma City
TX 33 KBNBTV	Dallas

### Subscription Television denied:

TX 20 KEON	Houston
MN 23 KTMATV	Minneapolis

### Television Broadcast Licenses Granted

IL 55 WBBW	Springfield
MI 8 WGTQ	Sault Ste. Marie
NC 45 WGNW	Winston-Salem
ND 6 KSRE	Minot
PA 38 WOFC	Altoona
TN 22 WCTE	Cookeville

News articles were contributed by Ken Simon, Lake Worth, FL; Paul Gaines, Detroit, MI; John Combs, Orlando, FL; Danny Buntin, Stillwater, OK, and possibly others (it got mixed up, names weren't always with the articles, and some of the articles didn't match geographically.)

## FCC TV NEWS

### CALL LETTERS GRANTED-NEW STATIONS

AL WWSW	66	Opelika; Wardean, Inc.
WTTO	21	Homewood; Chapman RadioTV
WPMI	15	Mobile; Hess Broadc. Corp
AK KJNPTV	4	North Pole; Evang.Miss.Fp
AZ KUSK	7	Prescott; Wm. H. Sauro
CA KFTY	50	Santa Rosa; Sonoma Broadc
FL WIYE	55	Leesburg; Sharp Comm. Inc.
WFLX	29	W. Palm Beach; Malrite
WFGC	61	Palm Beach; Wilshire Corp
WWPB	42	W. Palm Beach Pub.BC'g Fd
WKNA	43	Melbourne; Southern BC'g
GA WWLG	24	Macon; Russell-Rowe
HI KHAI	20	Honolulu; Sunset Comm.
KSHO	26	Honolulu; Mauna Kea BC'g
IL WBLN	43	Bloomington; Grace Comm
WBHA	66	Joliet; Focus Broadc'g
WDDDTV	27	Moline; Dennis Doelitzsch
IN WKOI	43	Richmond; Tri-State X'NTV
KS KSWKTU	9	Garden City; Junior Coll'y
KSMHTV	14	Hays; Smoky Hills Pub.TV
KY WTSP	61	Ashland; Tri-State Family
LA KLPB	24	Lafayette; La ETV Auth'ty
WLBP	27	Baton Rouge; La ETV Auth.
KIAXTV	31	Alexandria; Cypress Comm.
KLPA	25	Alexandria; La ETV Auth.
KNANTV	39	West Monroe; R.D. Pinton
MA WGRTRV	66	Marlborough; 66 Corp.
MT KOUSTV	4	Hardin; KOUS-TV, Inc.
NV KAMETV	21	Reno; Page Enterprises
NM KGWS	14	Albuquerque; Galaxy SW
NY WFVY	43	Syracuse; (WONH)
NC WKPT	40	Wayetteville; F'vl.Telev.
OH WSPF	52	Newark; Christian Telev.
WGNNTV	51	Sandusky; Christian Faith
OK KTBOTV	14	Oklahoma City; Trinity BC
KVTU	23	Tulsa; Tulsa 23
KOKI	23	Tulsa; Tulsa 23
		(KOKI is more recent)
KGCTV	41	Tulsa; Tulsa TV 41
PA WWSGTV	57	Philadelphia; Radio BC'g.
RI WSTG	64	WNET (it's bad enough they applied for the same call letters as ch. 13 in New York, only 125 miles away, but the FCC had to go ahead and approve it!)
SC WCCTV	57	Columbia; Car. X'n BC'g.
WHMC	23	Conway; S.C.ETV Commis'n
WRETTV	49	Spartanburg; S.C.ETV C'n
TX KTWSTV	27	Dallas; Liberty STV
KTXA	21	Fort Worth; Channel 21 Inc
KEON	20	Houston; Channel 20, Inc.
VA WRHPTV	35	Richmond; Neighborhood Cp
WMSYTV	52	Marion; Blue Ridge ETV

### REPORTS SENT IN FROM MEMBERS OF WTFDA

Miami, Fla. WKID-TV, ch. 51 will begin broadcasting "R" rated movies five nights a week through an additional service of ON/TV, a service of National Subscription Television. The movies will be scheduled after its regular programming. The cost is only \$4.95 extra. (Imagine that! The wages of sin is now available in monthly installments!) They also offer a key lock on the decoder for parents concerned about their children watching it.

MAY, 1981

### CALL LETTERS GRANTED: CHANGES IN EXISTING STA.

AL WTVMTV	13	Binghamton; WAPITV
CA KTZO	20	San Francisco; KEMOTV
KESQ	42	Palm Springs; KESQTV
CT WFSB	3	Hartford; WFSBTV
GA WRBL	3	Columbus; WRBLTV
MA WINE	6	New Bedford; WTEV
MT KTVG	12	Helena; KTCM
NV KTNV	13	Las Vegas; KSHOTV
NM KLKK	23	Albuquerque; KMNTV
NY WSTMTV	3	Syracuse; WSRYTV
WETMTV	18	Elmira; WSYETV
NC WPCQTV	36	Charlotte; WRETTV
WJTM	45	Winston-Salem; WGNNTV
OH WCLQTV	61	Cleveland; WEEG
OK KJRH	2	Tulsa; KTEW
KAUT	43	Oklahoma City; KFHC
PA WHTMTV	27	Harrisburg; WTPA
TX KTPX	9	Monahans; KMOMTV
WV WPBY	33	Huntington; WMULTV
WI WQOWTV	18	Eau Claire; WQOW
WCGV	24	Milwaukee; WCGV

### CALL LETTERS APPLIED FOR: NEW STATIONS

DC WQDR	56	Washington; Channel 50, Inc.
FL WSPFTV	30	Fort Myers; Univ. of S. Florida
WCMJ	33	Miami; Miami STV, Inc.
GA WVEU	69	Atlanta; Broadcast Corp. of Ga.
LA KLTTLV	18	Lake Charles; La. ETV Authority
MI WHHT	31	Ann Arbor; WRHT; Satellite Telev.
NJ WWACTV	53	Atlantic City; A.C. Telev. Corp.
NY WFTTIV	54	Poughkeepsie; Family Television
WA KCKA		(two sources have Tacoma School Dist. #10 applying for this in both ch. 15, Centralia and ch. 20 in Tacoma.
KLKX	??	Vancouver; KLKX Broadcasting Corp.
WV WLYJ	46	Clarksburg; Christian Communicat's
WI WVCY	30	Milwaukee; Wis. Voice of X'n Youth
		Two other references which must have a mistake somewhere are as follows: (1) Superior Broadc. Corp applied and was granted WTJC for its new broadcast station in Baldwin, MS; (2) Forward Television applied for WSAW for its new station in Wickensburg, AZ. Somebody help me on these!

### CALL LETTERS APPLIES FOR: CHANGES IN EXISTING

CA KSEE	24	Fresno; KMJTV
KCEO	19	Modesto; KLOCTV
KCSO	19	Modesto; KLOCTV
KRBKTV	31	Sacramento; KMUVTV
KICU	36	San Jose; KGSCTV
KUSITV	??	San Diego; University Television
FL WECA	27	Tallahassee; WECA-TV
GA WCGT	31	Albany; WTSG
MA WNEV	7	Boston; WNACTV
VA WTKR-TV	3	Norfolk; WTARTV

NBC LOSING MORE AFFILIATES! You've probably heard about ABC stealing them. Now CBS also started signing them up. KFSS-TV, ch. 5 in Fort Smith, Ark., is changing from NBC to CBS. Meanwhile presently-CBS KLMN-TV, which operates on ch.24, is left in the cold. In Billings, Montana, KTVQ is affiliated with both CBS and NBC and broadcasting on ch.2; Until now it had been going heavier on NBC programs, but is now carrying more CBS pro-

ming. CBS is also having it out with WMAR, ch. 2 in Baltimore, Md. WMAR often pre-empted prime time network programming for sports, telethons, children's programs, and public information programs. CBS managed to get WBAL to change from NBC without much arm twisting. (WBAL is on ch. 11) Meanwhile WMAR is expected to ask NBC for affiliation.

38+5=TROUBLE! There is one last vacant channel in the Detroit: Ch.38. And five groups are battling for the right to operate on that channel. They are Trinity Television (a Christian organization); Adell Broadcasting Corp (mostly owned by Franklin A. Adell, who is Jewish); Macomb Broadcasting Co. (headed by Jerry L. Blocker, who is black); South-eastern Michigan Television Co. (Organized by Stanley B. McDonald, who is a black, and is about half owned by blacks); and APW Enterprises, Inc. (A group of Chicago Investors). As you can guess, a diversity of interests (especially Trinity and Adell) has hindered any mergers. One applicant said that the fight could go on for as long as eight years until the FCC or the Court of Appeals make a decision. (ref. Detroit News, 10/22/1980)

CHANNEL 41 IN TULSA PROMISES TO BE DIFFERENT FROM YOUR AVERAGE STATION. To begin, it will be "America's Only Storefront Television Station," with its studio right up front where the public can watch and take part. Its program schedule also promises to be different. Beginning at 7:00 with five hrs. of syndicated (mostly religious) programs. Noon to 5:00 pm is covered with live programming, live interviews, live entertainment, live demonstrations by chefs, experts in real estate, science, medicine, nutrition, etc. "On the Mall" will interview mall walkers, asking their opinions on various topics. Two hours of solid news will be from 5:00 to 7:00 p.m. Best wishes for KGCT in Tulsa, Oklahoma. (Ref: Tulsa Tribune, 2/6/81)

ANOTHER ONE FOR OKLAHOMA. According to a news clipping (no name or date available), Channel 43 in Oklahoma City is supposed to begin broadcasting on October 1 (1980?). They are planning an all-news format from 9:00 am to 5:00 pm, then go STV.

KA2XEH: You've probably heard those letters before in the Eastern TV DX Column. They are the call letters of a new type of translator. Instead of rebroadcasting a distant station's signal on another channel, KA2XEH receives the signal from Westar Satellite. KA2XEH broadcasts of ch. 56 and offers 24 hours of Spanish broadcasting. Another "satellator" began in Denver in February, 1980. This is a step toward the FCC's proposed "low power television" stations. More on that later.

ANOTHER POSSIBLE STEP TOWARD LPTV. Applied Communications Technologies, Inc., a new black-owned corporation, applied for ten new

translators which will be connected by microwave, and will be able to originate programming. (according to this article in Broadcasting, 2/25/80, they are the first to apply for permission to originate programming on a translator beyond emergency announcements and periodic solicitations, but an FCC report on LPTV says that some translators in Alaska are already originating broadcast material.) Their aim is to provide entertainment and informational services geared toward blacks. Some of the FCC's goals are to encourage minority ownership and serve black communities by TV. The ten proposed translators are for Raleigh and Greensboro, N.C.; Norfolk, Va.; Columbia, S.C.; Jacksonville, Fla.; New Orleans; Jackson, Miss.; Atlanta, Ga.; Birmingham, Ala.; and Nashville.

WSET-TV MOVES ITS TRANSMITTER. WSET-TV can greatly increase its audience by moving in closer to Roanoke, Virginia. WSET-TV is presently licensed to broadcast on ch. 13 in Lynchburg, and does not presently reach Roanoke with a decent signal. The significant thing about this is that the FCC's approval of this seems to be in violation of FCC's policy to try to bring UHF to an equal level with VHF. A Roanoke station, afraid of competition, brought up the fact that future use of a UHF channel in Roanoke is less likely if Roanoke can now receive WSET-TV. The FCC had been plagued for years with poor quality of UHF reception, and generally poor acceptance by the general public. (Ref: Broadcasting, no date)

CBS DEMONSTRATES HDTV. A new development by Japanese technology is High Definition TV, which uses 1125 scan lines instead of 525, has a wider picture screen, and will probably have to utilize the GHz spectrum. This system also offers stereophonic sound and enhanced color. CBS recently invited some legislators and federal regulators to a demonstration of this new system. With this system, videotape could eventually replace film in the motion picture industry.

WWAY is back on the air. A National Guard fighter plane destroyed the tower of WWAY in Wilmington, N.C. on Jan. 24, 1981. They are temporarily using a 350 foot high tower until they rebuild their permanent tower. Broadcasting was resumed on Feb. 23.

140 SHORT SPACED VHF TV ASSIGNMENTS TO BE DROPPED IN. The Association of Maximum Service Telecasters is opposing an FCC plan to add 140 new channel assignments, easing the minimum mileage separation rules. AMST has suggested the use of new UHF assignments as an alternative.

PBS TO OFFER STV. PBS has been suffering from internal squabbles for years, and recently added the loss of BBC programs to its list of headaches. Now a proposal to create PSN (Public Subscriber Network) has created more strife.

## CHANGES IN EXISTING FACILITIES GRANTED

St C.L.	Ch	ERP	HAAT	City
AL WAFB	48	1170		Huntsville
WCPTTV	33	1120	540	Tuscaloosa
CA KCBA	35	1070	2430	Salinas
KEMOTV	20	1700	1270	San Francisco (KTZO)
CO KRDOTV	13	282	2140	Colorado Springs
DC WGSF	50	2450	570	Washington (WCQR?)
FL WHFT	45	2400	1020	Miami
WUSFTV	16	1620	1010	Tampa
WAMS	30	2000	990	Jacksonville
WFLX	29	692	1500	West Palm Beach
GA WXIATV	11	295		Atlanta
WVEUTV	69	2630	980	Atlanta
IL WTVP	47	1410	710	Peoria
WSNSTV	44	1050		Chicago
WRAU	19	1620	640	Peoria
KY WKPC	15	589	860	Louisville
WKPD	29	145	500	Paducah
LA WGNO	26	2690	1010	New Orleans
KLFYTV	10	316	1740	Lafayette
MD WMDT	47	3470	1000	Salisbury
MI WRHT	31	1000	1080	Ann Arbor (WIHT)
MN KAVTIV	15	1230	380	Austin
KTMATV	23	74	1190	Minneapolis
MO KCPT	19	1050		Kansas City
MT KOUSTV	4	91	1060	Hardin *
NE KYNETV	26	398	425	Omaha
NV KSHOTV	13	316	2000	Las Vegas (KINVTIV)
NJ WRBV	65	3800	920	Vineland
NY WXXI	21	1230?	500	Rochester (other source = 906 kw.ERP)
NC WCTI	12	316	1960	New Bern
WRFTV	36	1120?		Charlotte (WPCQTV) (other source = 2510 kw. ERP)
ND KFME	13	245	1130	Fargo
OH WCLQTV	61	2000	1160	Cleveland (WEEG)
WFMJTV	21	3720	990	Youngstown
WGJETV	30	1000	1050	Toledo
OK KETA	13	316	1450	Oklahoma City
KFHCTV	43	2000	1520	Oklahoma City
KFHCTV	43	1070	1560	Oklahoma City
KOKH	25	1410	1540	Oklahoma City
KOEDTV	11	316	1160	Tulsa (other source = 1661 ft. HAAT)
PA WWSGTV	57	269	1160	Philadelphia
RI WSTG	64	2140	1020	Providence (WNET)
SC WIIB	23	1740	820	Conway
WRTS	49	1740	970	Spartanburg
TN WTVK	26	5000	1270	Knoxville
TX KRIVTV	26	1410	1950	Houston
KCTV	8	316	1450	San Angelo
KFDA	10	316	1530	Amarillo
KTRKTV	13	316	1930	Houston
WA KCPQ	13	186		Tacoma

YET ONE MORE FOR CBS! WRGB, ch. 6 in Albany was the first station to affiliate with NBC thirty three years ago, and is one of their largest markets (commercially). WRGB signed up with CBS and plans to begin CBS programming on September 25, 1981. The present CBS station there is WAST, operating on ch. 13. WAST has limited coverage because it is short-spaced (too close) with WNET (the real one, not Providence, RI), ch. 13 in New York City.

## NOTES ABOUT THIS COLUMN:

INFORMATION AVAILABLE TO ME consists mainly of the Federal Register and Broadcasting magazine. The Federal Register is a daily publication of the Federal Government, and consists of, as far as the FCC is concerned, applications for broadcast stations and for translator stations, notices of competing applications for a particular channel assignment, changes and proposed changes in the table of assignments, and occasional issues involving the FCC, such as LPTV, UHF comparability to VHF, Stereo TV, or treaty matters with Canada and Mexico. Unlike the Federal Register, Broadcasting is a weekly magazine listing the above, and also listing call letter information, changes in existing stations, FCC grants of broadcast and translator applications, and other bits of information. Broadcasting does not include any information about Canada or Mexico. Nor does it tell when stations go on the air, when they change networks, etc. This is why your help is needed. Especially if you have information from Canada or Mexico. So feel free to send in whatever you can to this column.

CATCHING UP: Except for Bill Draeb's column in the past two months, the last time this column appeared was in the January, 1980 issue. Because of limited space, and limited time in which to provide 16 months' worth of information, I felt it necessary to hold off on including applications for broadcast stations and translators, which would fill up half of the VUD, and only very few of which will ever go on the air. I hope to list the more significant translators in a future issue; I'm still working on that. Unfortunately, Broadcasting does not list the power when it lists translators granted by the FCC so I'll have to go back and find the applications for them. Meanwhile, I have plenty of information available on broadcast applications, translator applications, and translator grants (with call letters); If you need information on any in particular, send me a note asking what you need to know and I'll be glad to help.

Also, this is your column, not mine. So if you would like to see any changes or wish to make suggestions, send them in.

NEXT MONTH: A special report of FCC's proposal for Low Power TV. Also, an attempt to catch up on applications for broadcast stations, and a list of significant translator application grants by the FCC. Also, recent happenings from the latest issues of the Federal Register and Broadcasting.

NEEDED FOR THIS COLUMN is a list of television broadcast stations which actually began broadcasting between December, 1979 and now, since that information is not available to me. Send me a list of stations which you know have begun broadcasting since then.

# SOUTHERN FM DX

MAY 1981

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74074

DEADLINE: 10th

SOME MORE DX FROM LAST WINTER REPORTED

Tim Mcvey, Rt. 3, Box 568, Bolivar, TN 38008 - Jan. to March 31

This is a typical report about typical DX at a very typical time of year in the South. Here in TN, one can expect to hear the same tropo into Texas, Louisiana, and the Gulf Coast. It's all good, legal DXing, but mostly all relogs. One very bright spot, however, came in cold January. My very first DX in 1981 was E-skip, and then things settled back down to spring tropos. Incidentally, my equipment is the same: JVC JT-V22 tuner, Finco FM-5 antenna, Channel Master rotor (the \$45 model which, ha-ha, Radio Shack sells disguised as a "Archerrotor" for \$62) and lots of electronic goodies.

1-20 Es (Heard 12 from Mexico City, DF, 1320 miles)	3-4 tr 2200 Gulf Coast, Pensacola, Mobile in very strong, relogs...
1503 XEQ-FM 92.9 music and talk in SS, mono	2210 WXBW 102.7 FL Milton 343
1508 XEJP-FM 93.7 mor English/talk in L, \$	2217 WPMO 99.1 MS Pascagoula-Moss Point 320
1511 XHFO 92.1 top-40 mx in English, mono	2220 WUWF 88.1 FL Milton 343
1512 XHM-FM 88.9 rock in English, i. e. Rolling Stones, \$, "Sonido 89"	
1512 XBOY-FM classical mx in \$, ex-XEBS-FM	3-15 Es 1000 Something's trying to happen...very little TV CGI but lots of short bursts appearing across the dial.
1513 XBDA-FM 90.5 English mr, L announ., mono	1019 WSOX 94.9 MA West Yarmouth 1058
1515 XHQK 91.3 news in L, mono	1033 WVLK 92.9 KY Lexington 315
1516 XEUN-FM 96.1 classical \$, very strong	3-28 Es 0920 KAMA 93.1 TX El Paso, L 1000
1517 XERC-FM 97.7 English pr, \$, playing Rod Stewart album	3-30 tr 0710 Shreveport, LA and east TX very strong
1518 XELA-FM 98.5 heard only talk in L, mono	0715 KNAN 106.1 LA Monroe 280
1519 XHPOP 99.3 "echsi-h-pe-o-pe" c, \$	0725 KOSY 102.5 AR Texarkana 314
1520 XHBST 104.9 talk in L, mono	3-30 2100 WQHI 95.7 IN Jeffersonville is now WQMF. I ded as "96-WQMF Jeffersonville. Louisville's kick-ass rock and roll station" Never know what to expect, do we? 73's, etc.
1530 MUF rapidly dives to Canal 2 and Canal 4 on TV....	
2/28 tr 0900 Houston, TX again, with KYND, KRLY, KIRK, KLEF, KUHF, KTSU, KTSU 530 mi. (Logs stand at 764 now.)	

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - March 6 to April 8 CST

3-27 (all tr)	3-31
0911 KENW 89.5 NM Portales, m	0636 KRRV 100.3 LA Alexandria, Agri-News net.
0914 KTQM 99.9 NM Clovis	w/ref. to LA, strong CCI from TX 100.3s
0926 KRQQ 99.1 NM Clovis	4-2
0940 KYTX 98.7 TX Amarillo	2359 KGNC 97.9 TX Amarillo, m
0944 KBIM 94.9 NM Roswell	4-3
3-29	0059 KBIM 94.9 NM Roswell, m, s/off
1002 KIXK 106.1 TX Denton-Dallas, k, ex-KDDC, "The ALL New Kix-106"	0100 KENW 89.5 NM Portales
	0700 KKQV 103.3 TX Wichita Falls, ex-KNTO, r

The springtime Gulf tropo season, which usually begins in March, has yet to make its presence really felt. In fact, there has been very little in the way of DX from the frequently received areas of LA and southern MS, and, of course, none of the more interesting stuff from AL and FL. While DX from the coastal regions has been shut down, there have been a couple of openings to the high plains of Texas and New Mexico, both weak. 73s, Rick.

Charles George, 6407 Howard, Dallas, TX 75227

On April 3, 11:00 pm, I noticed KSEB-FM 107.1, Durant, OK for the first time. They were running ABC news and had a type of AOR. They were blocking out area KTLR on the same freq. On the Super Snooper I got music, but not sure if it was SCA from KSEB-FM or some local image. I've noticed KIKT 93.5 of Greenville, TX has changed to pop/rock music from c&w when many stations are now doing the reverse. 73's

SFM Editor's comments: Please don't send ground wave reception reports to this column unless there has been a change indicated in the stations's operation which might help another DXer with UNID. Bruce Elving's FCC column is also good for that kind of reporting. As DXers we put up enough with ground wave reception without seeing it spelled out in print. More next month. Please report promptly as the new DX season progresses.

+++++

# NORTHERN FM-DX

Ralph Strobel, editor  
2510 E. McGalliard Rd.  
Muncie, Indiana 47303  
(317) 288-5815  
Deadline: the 10th

MAY 1981

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

Robert S. Ross - VE3JFC - Box 4373, Stn. C - London, ON Canada N5W5J2  
Equipment: Marantz 2226 B & Panasonic RF 1115 w/rabbit ears and whip.

2/27 tr	2200 WBIV 107.7 NY Wethersfield	3/31 tr	0241 WFKE 92.9 NY Buffalo, ex-WBUT
	2217 CHUM 104.5 ON Toronto		0248 WQXR 105.1 OH Salem
3/9 tr	0105 WTOF 98.1 OH Canton		0250 CHRW 106.5 ON London
	0110 WDMT 107.9 OH Cleveland		(University of Western ON)
	0112 WDSY 107.9 PA Pittsburgh		0324 WVKR 106.7 PA Beaver Falls
	0125 WERG 89.9 PA Erie		0330 WLQR 101.5 OH Toledo
	0140 WBBN 102.5 NY Buffalo		0430 WJOI 93.7 PA Pittsburgh
	0143 WDCX 99.5 NY Buffalo		0438 WYFM 102.9 PA Sharon
3/25 tr	0328 WVCC 101.7 PA Linesville		0439 WPHD 103.3 NY Buffalo
	0334 WCCQ 101.7 NY Geneva		0441 WCCK 103.7 PA Erie
	0350 WSEQ 102.3 PA McKean, ex-WMDI		0530 WWSW 94.5 PA Pittsburgh

+++++

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

DX? Hardly! Only 185 miles away. Rare mode of reception? No - the usual tropo. Unique part-time station? No - somewhat new operation on 24 hours using country format. Low powered station? No - maximum class C of 100KW. What then, makes this catch so unique for me? It is the simple fact that reception of this one station was the culmination of several months of effort. Geography requires that, for any reception northwest to northeast of me, I must work thru from 250 to 500KW from the 5 stations (FM), on the local IDS tower in downtown Minneapolis only 10 miles away. Furthermore, this "catch" is an adjacent channel to a local (93.7), located on the IDS tower. Finally, however, tropo were strong enough to log:

4/2/81 tr 0006 WKKQ 93.9 MN Hibbing, k, with music on SCA

It should be noted (and has been in Elving's column), that the five Minneapolis IDS stations (92.5, 93.7, 99.5, 101.3 & 102.1), have been under an FCC edict to operate at one-half power (50KW each), except between midnight-6 AM to reduce interference pending FCC resolution of the very severe cross-modulation problems. Anyway, WKKQ is my only new catch for the past 32 days. Hope April and early May produce much better results.

'Till next time, 73's. John

+++++

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

2/21 tr	2106 WDEK 92.5 IL De Kalb, r	195	3/24 tr	1635 WAMX 93.7 KY Ashland	225
	2141 WJEF 91.9 IN Lafayette	82	3/28 tr	2130 WKHQ 105.9 MI Charlevoix, r	280
	(local WVSH off)		3/31 tr	1952 WFGH 90.7 WV Fort Gay, (Promo for 250	
3/23 tr	1550 WFKZ 93.7 WI Monroe, k	240		"Dr. Who" on WMUL TV 33, Huntington, WV)	
	1844 WFBF 88.5 IL Flossmoor, p	124	4/4 MS	260	
	2238 KSAY 96.1 IA Clinton, g	260	117 1225 KILQ 93.9 CO Colorado Springs	1025	
	2254 WHPO 100.9 IL Hoopston, k	117	???	"...in downtown Pueblo..."	
	2325 KTOF 104.5 IA Cedar Rapids, g	???			

This is the first time I have been able to identify an FM station via meteor scatter propagation. Was listening to newscast on KRNA Iowa City when KILQ overrode the signal for about two seconds. Fortunately, they were doing a commercial at the time and I was able to identify because Pueblo is in coverage area of KILQ. Also heard a spanish language station on 93.9 which I'm tentatively identifying as KESS Fort Worth.

+++++

Ralph Strobel - 2510 E. McGalliard Rd. - Muncie, IN 47303

3/28 tr 0200 WISM 98.1 WI Madison, r\$, "98-FM," 280 miles  
By setting my Heathkit AJ-1510 on 98.3 and using the control box Andy Bolin built for me, I tuned down to 98.1 and heard WISM next to local 97.9 in Anderson, IN. 73's, Ralph

+++++

# 1981 WTFDA CONVENTION... OKLAHOMA CITY, JULY 31-AUGUST 2

This is it! The big DX event of the year- the 1981 WTFDA Convention!

This year's convention will have something for everyone. In the works are seminars on TV and FM DXing, station tours, and a technical question and answer session.

The convention will be held at the Ramada Inn, 800 S. Meridian, at the intersection of I-40 and Meridian. Room rates are most reasonable: Single- \$30 per night, Double- \$35 per night, each extra person- \$6. The registration fee will be \$18, which covers such things as the banquet, refreshments, and convention expenses. The banquet menu is undecided, but it looks like it will be either turkey or beef.

Oklahoma City is easily accessible by many different modes. The city will be served by 12 airlines at the time of the convention, with United scheduled to come aboard in June. Other major lines serving OKC include TWA, American, Eastern, Delta, Braniff, Frontier, Texas International and Southwest. Both Greyhound and Trailways serve the city, for those so inclined. And several major highways run through town, including I-40 and I-35. Amtrak does not serve Oklahoma.

Oklahoma City has a number of great attractions to take in while you're at the convention. A new addition to the city is White Water, a water theme park right across the street from the motel. We're also the home of the Cowboy Hall of Fame, a must for lovers of the wild west. Other great places to visit, all within easy range of the convention site, include the OKC Stockyards, the state capitol (the only one in the country with working oil wells on site), and the University of Oklahoma. For you baseball fans, OKC is the home of the 89ers of the American Association, the top farm club of the world champion Philadelphia Phillies. There are also many outstanding restaurants near the motel, including Applewoods, Oklahoma City's million dollar restaurant.

We'll let you know more about the convention as the big weekend approaches. Make your plans now to be in OKC for WTFDA '81!



# WTFDA 1981 CONVENTION REGISTRATION FORM

-----  
Please complete and mail  
as soon as possible and  
not later than July 17!

Please include a  
SASE for confir-  
mation reply.

MAIL  
TO:

John Zondlo  
1802 N. Rockwell, #107  
Bethany, OK 73008  
-----

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 \$18 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: \_\_\_\_\_  
\_\_\_\_\_

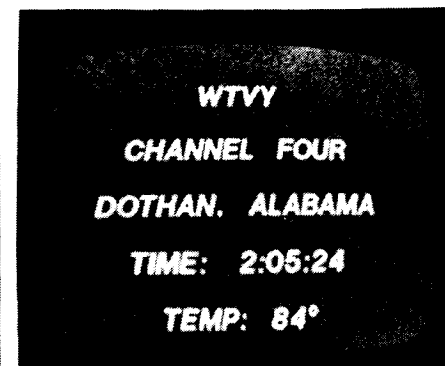
I am interested in going on station tours: ( ) Yes ( ) No



May, 1981



XEW- 2 Mexico City, DF Mexico  
1,345 mile E-skip  
1/20/81 (McVey)



WTVY- 4 Dothan, AL  
300 mile tropo (Combs)



WBRZ- 2 Baton Rouge, LA  
E-skip  
7/26/80 (R. Grant)



WKPT-19 Kingsport, TN  
405 mile tropo (Gaines)



WPGH-53 Pittsburgh, PA  
420 mile tropo  
7/12/80 (Kramer)

Contributors:

Tim McVey,  
Bolivar, TN

John Combs,  
Orlando FL

Robert Grant, (photo taken  
at Honor, MI)

Paul Gaines,  
Detroit MI

Robert Kramer,  
Chicago, IL

73 and good DX,

*Jim*

# EASTERN TV-DX

William J. Draeb  
Ellis St. R.R.#2  
Kewaunee, WI  
54216

Deadline: 5th

## Eastern TV-DX

Robert Kramer; 4639 N. Albany, Chicago, IL 60625 CST Feb.17-27

17 Tr 1807	WXON-20 MI 240	21 Tr 1220	WIPB-49 IN	"Not bad tropo for Feb-
	WKBD-50 MI "		WKON-52 KY	ruary. Hope it's a
	WTVS-56 MI "		WKMJ-68 KY 277	sign that the peak sea-
	WGPR-62 MI "		WLEX-18 KY 314	son will be good again.
	2104 WFUM-28 MI 224	1248	WGPR-62 MI 240	In about 10 days my new
19 Tr 1141	WIHT-31 MI 205		WTVS-56 MI "	rotor will be put up.
	Ann Arbor		WBGU-57 OH 200	It's a CDE-AR-22XL. It
20 Tr 2234	WCET-48 OH 250		WIHT-31 MI 205	replaces my Radio Shack
	2235 WTVQ-36 KY 314		WEYI-25 MI 222	Servomotor which only
	2237 WKCF-22 OH 237		WKBD-50 MI 240	lasted a year. I would
	2305 WKIX-19 KY 257	1848	WPTD-16 OH 237	not suggest that anyone
21 Tr 0455	" " "		"Local grade"	but a RS rotor. This
	WKRC-12 OH 250		WKCF-22 OH 237	was the second one I
0518	WLEX-18 KY 314		WTVQ-36 KY 314	had. The first was
	WHIO-7 OH 237	1930	WCET-48 OH 250	around for a week, long
	WKCF-22 OH "	1959	WOSU-34 OH 280	enough to almost make
0545	WLKY-32 KY 277		WCWN-54 KY 257	it through the first
0547	WKYT-27 KY 314		WKON-52 KY	storm it had to endure.
0602	WTVQ-36 KY "		2011 WPBO-42 OH 330	The equipment here con-
1220	WKIX-19 KY 257	2118	WDRB-41 KY 277	sists of a Sony TV-131
	WPTD-16 OH 237	26 Tr 2300	WKCF-22 OH 237	13" B&W (used only for
	WKCF-22 OH "	2306	WTVQ-36 KY 314	VHF). An RCA 19" B&W,
	WTVQ-36 KY 314	27 Tr 0035	WLKY-32 KY 277	model unknown, (used
	WKLE-46 KY "		WKYT-27 KY 314	only for UHF), an Arch-
	WCET-48 OH 250			er V-185, Archer U-100,

a Blonder Tongue CMA-U (chs.14-59) UHF preamp(used only when the locals are off), various Winegard & Jerrold VHF traps(to eliminate overloading) & a parakeet.(what does the parakeet do??--wd) 73."

Greg Kelley; 211 St. Clair Ave. SW, New Philadelphia, OH EST 2-27 & 3-12

"Guess it's about that time to send in a reception report, although there's nothing great about it. I will send in monthly reports if at all possible.

Still been considering the feed section from DELI to use on the dish. They say my gain will be 21-22 db and should make a big difference in the signal. So, when I might have some extra \$\$\$\$\$, I will send for it.

The city of New Philadelphia is cutting our tree down. The plumber says it's in the sewage pipe. Boy, this house will bake this summer! But it should improve UHF to the south as the tree blocks it. So at least it's not a total loss.

People tell me that Toledo with rabbit ears is normal reception on some of these hills. Perhaps some day we will be able to buy or build a home on a hill. My DX should be a lot better.

Log totals stand at about 136..and will take a long time to build up totals like I had in Virginia. Just a few years ago I managed to log KHGC-5 Mexico City at 1500 miles! That's my record and reckon I'll be lucky to log Mexico from Ohio.

Radio Shack has transferred me to a store 35 miles away....don't think it will pay, but I sure cannot quit! But not looking forward to the long drive.

27 Tr 0800	WIHT-31 MI 150	27 Tr 0800	Detroit U's MI 150	"Just received my
	CICO-32 OH 140	1427	WVNU-16 IN 230	WTFDA UHF Translator
	WGVC-35 MI 250		WUHQ-41 MI 220	Guide and never real-
	WKMR-38 KY 175		WDHO-24 OH 125	ized how many trans-
	WUHQ-41 MI 220		WGTE-30 OH "	lators there are in
	CKCO-42 OH 150		WIHT-31 MI 150	this area. There is a
	WSVN-47 VA 240		WXON-20 MI "	W29-- (WUC) that
	WJBK-2 MI 150		WGVC-35 MI 250	comes in on tropo but
	WILX-10 MI 175	1730	WKAR-23 MI 200	no idea where it's at.

## Eastern TV-DX

May 1981

Greg Kelley; continued--- 12 Tr 1115 WKMR-38 KY 175 "DX has been rotten  
WPBO-42 OH 128 and can hardly wait  
WDHO-24 OH 125 for the DX season to  
WIHT-31 MI 150 begin. So that is it  
W31AA OH til next month."  
(WOSU) P.S.--WCLQ-61 Cleveland  
Erie in - codes signal at night. Like to see plans  
WSEB-35 PA " for a decoder.

George Rogers; 320 Lafayette Rd., Chickamauga, GA 30707 EST

"It has been a pretty good Winter DX season down here but not much TV-DX in February. Here is what I got:"

1-31 Es 1720	ICR-2 CUBA 845	3-1 Tr 2045	WERC-6 AL 145	"Equipment RCA
2-1 Es 1400	XHRIO-2 TAM 1140	2050	WHMA-40 AL 130	portable TV Mod-
3 F2 1050	TVP-1 41.25	2 Tr 0815	WATL-36 GA 113	el AA 193/SEN.
	1115 BBC-1 41.50		(Rare)	I'm looking for-
	(both in on 2-14 also)	0817	WANX-46 GA "	ward to a good
Tr 2253	WSFA-12 AL 236		(Rare)	Spring DX season
	(WDEF off)	0845	WBMG-42 AL 145	and a great Sum-
10 1r 1202	WTVM-9 GA 224	11 F2	1045 TVF-1 41.25	mer Es season.
	(WTVX off)		1050 BBC-1 41.50	Remember, we're
3-1 Tr 1455	WB1Q-10 AL 145		1052 BBC-1A 41.40	gonna have DX
	1800 WVIM-13 AL "		(N. Ireland)	fun in '81. 73's"

Jeff Wolf; 1131 University Blvd. W., Apt. 701, Silver Spring, MD EDT-EST

8-1 Tr 0800	WBTW-13 SC	8-8 Es 1858	WMT-2 IA 750	8-23 Tr ---	WCTI-12 on
0900	WPTF-28 NC		KUSD-2 SD 1050	0725	WWT-12 feed.
	WTVQ-11 NC	Tr 2325	Unid-48 xltr	0727	WJPM-33 SC
	WCTI-12 NC	9 Tr 0015	WPTF-28 NC 251		WHIM-27 PA
Es 1737	WPBT-2 FL	0025	W25AA VA 114		WRJA-27 SC
2000	Cuba-3		Onancock	0740	WPTF-28 NC
2 Tr 0912	WCTI-12 NC		(WHRO-15 xltr;	1000	W60AB WV
	WPTF-28 NC		xlting WLYH.)	2225	W73AS VA
0915	W60AL VA	0100	Unided xltrs	2350	W60AL VA
	Onancock		on chs.26 & 53		W41AC VA
	(WVEC-13)	10 Es 2330	xlting WBOC-16.	26 Tr 0740	WCTI-12 NC
2325	W41AC VA	12 Tr 0840	KUSD-2 SD 1050		WPTF-28 NC
	Onancock	15 Tr 0655	WPTF-28 NC 251	0930	W60AL VA
	(WAVY-10)		WSET-13 VA	1004	W60AB WV
2330	Craddockville	0810	WXII-12 NC 263	1300	WSET-13 VA
	xltrs.	0830	WTVQ-11 NC 246	1720	WPH-53 PA
3 Tr 0810	WRET-36 NC	1210	W60AB WV	1650	WKBD-50 MI
0825	WCTI-12 NC	1215	Philly U's	1720	WTVS-56 MI
	WPTF-28 NC	1523	Salisbury U's	1827	WUHQ-41 MI
2040	WNJB-58 NJ		WVIR-29 in all	2308	W60AL VA
	WNJM-50 NJ		day.		W41AC VA
5 Tr 0705	WCTI-12 NC	17 Tr 2200	W42AC VA 66	2310	W74AU
	WPTF-28 NC	0845	WVIA-44 PA 160		W79AX
	WJPM-33 SC		WBRE-28 PA 161	28 Tr 0715	WBOC xltr
	WSNL-67 NY	2020	WCTI-12 NC 269		on ch.26.
	W60AB WV	2135	WUAB-43 OH		W25AA VA
6 Tr 0020	W41AD VA	2205	WXII-12 NC 263		W60AL VA
	Onancock	2245	WRET-36 NC 332		W41AC VA
	(WVAR-3)	20 Tr 0115	WPH-53 PA	0720	Unid-64;
	W60AL VA		WPCB-40 PA		CBS
	W41AC VA	0130	WITN-7 NC 257	0900	WPTF-28 NC
	W52AB VA		WUAB-43 OH 293	29 Tr 0750	WVIA-44 PA
7 Tr 0730	WVIA-44 PA		WAKR-23 OH 278		2355
	0735		WKEN-27 OH 238		WKTU-41 NJ
	0740		WFMJ-21 OH 234	0020	W35AB PA
	0805		2000	0417	WCSB-2 NY
	0930		2245	0710	WNBP-16 PA
	0945		WSET-13 VA		WBRE-28 PA
8 Tr 0915	WPTF-28 NC	22 Es 2045	Unid-2; ABC	0808	WVIA-44 PA
	WTVQ-11 NC	23 Tr 0800	WTVQ-11 NC		WDAU-22 PA
	WPTF-28 NC		WPTF-28 NC		Scranton
Es 1815	KPRC-2 TX	0830	WVIR-29 re-		WLVT-39
1830	KTBS-3 LA		broadcasting	0845	WSNL-67

Jeff Wolf; continued--- 8-13 Tr 2215 WSEA-43 PA  
 8-31 Tr 0715 WPTF-28 NC  
 9-1 Tr 0650 WJAR-10 T  
 0710 WPRI-12 RI  
 0727 Boston chs.  
 25, 38, 56.  
 0735 WSNL-67 NY 14 Tr 0005 Scranton U's  
 0900 WWHT-68 NJ 0206 WPVI-6 PA  
 2220 WXTV-41 NJ 0230 WGHP-8 NC 268  
 2310 WLVT-39 PA 0315 WABC-7 NY 200  
 2 Tr 0050 WTAZ-29 PA 0815 WOR-9 NY "  
 WWHT-68 NJ 0835 WPTF-28 NC 251  
 0130 WVIA-44 PA 0835 WSNL-67 NY 234  
 WFMZ-69 PA 0940 WNYE-25 NY 194  
 0140 WPIX-11 NY 0940 WVIA-44 PA 160  
 WSEA-43 PA 2055 Onancock xltrs  
 0205 W60AL VA 19 Tr 1353 WVPT-51 VA  
 0707 WJPM-33 SC 22 Tr 0707 WRWK-35 SC 409  
 0730 WWIT-30 CT 0710 WOLO-25 SC 411  
 WKNE-25 MA 0740 W7LH VA 189  
 WPIX-11 NY (Halifax  
 (WCVE xltr)  
 0745 WTVN-11 NC 0750 WRJA-27 SC 402  
 0800 WRBT-36 NC Unided-3  
 (Now WPCQ) WJPM-33 SC 358  
 0815 WRNK-35 SC WUNJ-39 NC 336  
 WRJA-27 SC WJCL-22 GA T  
 WNSC-30 SC WBTW-13 SC T  
 W7IB-23 SC (Now KJRH)  
 Conway 0800 WTVN-11 NC  
 WPTF-28 NC 26 Tr 0740 WUNK-25 NC 244  
 (Now WEMC) WUNJ-39 NC 336  
 0900 WXTV-41 NJ WCTI-12 NC 269  
 WBTW-13 T 28 Tr 2200 WUNJ-39 NC 336  
 WOPC-23 T 2250 WPTF-28 NC 251  
 5 Tr 0030 WSNL-67 NY WRET-36 NC 336  
 WWHT-68 NJ WPTF-28 NC 251  
 WFMZ-69 PA WTVN-11 NC  
 W4HAD WXII-12 NC  
 0100 W35AB PA WGNN-45 NC  
 0125 WGAL-8 PA WXTV-41 NJ  
 WKNE-25 MA WNJU-47 NJ  
 0140 WVIA-44 PA WUNG-58 NC  
 0200 Ch. 26 xltr 10-1 Tr 0020 Philly; chs.  
 repeating 3 Tr 1230 29 & 48.  
 WBOC-16 MD 8 Tr 0750 WPTF-28 NC 251  
 WNEP-16 PA WNTS-52 NJ  
 WCBS-2 NY 0825 W73AS, W75AP,  
 WSEK-38 MA W79AX, W81AL.  
 0215 W60AL re- 9 Tr 0750 Same xltrs as  
 peating on 10-8  
 WJZ-13 MD 1015 W60AL VA  
 2330 WUAB-43 OH 11 Tr 1747 W73AS VA 63  
 2335 WAKR-23 OH 16 Tr 0705 WLVT-39 PA  
 2357 WUHQ-41 MI W35AB PA  
 6 Tr 0840 WVIA-44 T 0730 WSEA-43 PA  
 11 Tr 0825 WKBD-50 MI 0830 Scranton U's  
 12 Tr 2343 WUND-2 NC 0835 WWIT-30 CT 283  
 WUNK-25 NC WXTV-41 NJ  
 13 Tr 0000 WNJM-50 NJ 0953 WWSG-57 PA  
 0015 WCTI-12 NC Philadelphia  
 WPTF-28 NC  
 WSNL-67 NY 24 Tr 0710 WSLN-10 VA 226  
 0040 W25AA 30 Tr 0800 W75AP  
 W35AB PA WVPT-51 VA  
 0100 WWIT-30 CT 31 Tr 0725 WUNK-25 NC  
 0705 " " WCTI-12 NC  
 WCTI-12 NC  
 1900 W60AL VA WBOC xltr on ch. 26

11-6 Tr 0805 WSNL-67 NY  
 WLW-21 NY  
 WPTF-28 NC  
 9 Tr 2100 " "  
 WTV-51 PA  
 WLVT-39 PA  
 14 Tr 0700 W25AA xlt-  
 ing WLYH.  
 WGNN-45 NC  
 WRBT-36 NC  
 W35AB PA  
 0712 WSNL-67 NY  
 WLW-21 NY  
 WXTV-41 NJ  
 WUNK-25 NC  
 0757 WPTF-28 NC  
 WTVN-11 NC  
 0800 WUNJ-39 NC  
 0820 W77AE T  
 1730 Unided-2  
 1800 K----3  
 24 Tr 0010 W25AA  
 1800 WVPT-51 VA  
 29 Tr 0840 WXII-12 NC  
 0900 WWIT-30 CT  
 2200 W42AC VA  
 1-1 Es 1108 Unided-3  
 KPRC-2 T  
 KTEW-2 T  
 (Now KJRH)  
 1508 WBRZ-2 T  
 9 Es 1800 Unided-2  
 11 Es 1340 Cuba-2 T  
 21 Tr 1655 WTAZ-29 PA  
 WKBS-48 PA  
 25 Tr 1200 WPTF-28 NC  
 WPGH-53 PA  
 \*\*\*\*\*  
 -----  
 The following report  
 is from Frank Merrill  
 and it is a very long  
 one. It covers DX  
 from 12-26-79 to the  
 present. I don't  
 mind typing up long  
 reports and I will if  
 I receive more but  
 how can a report that  
 goes way back to 1979  
 be of interest to any-  
 one? Reports in this  
 column should be curr-  
ent and newsworthy.  
 Who wants to read som-  
 thing that happened 2  
 years ago?--wd.  
 TTTTTTTTTT V V  
 T V V V  
 T V V V  
 T V V V  
 T V V V  
 T V V V  
 DDDDDDDDD X X X X  
 D D X X X X X X  
 D X X X X X X X  
 DDDDDDDDD X X X X X X X

Frank Merrill; Box 7207 Toledo, OH 43615 EST-EDT (12-26-79 - 9-29-80)  
 "I'm sorry to be so very late with this. But at about the same time that  
 Kramer had put the 6 month "statute of limitations" into effect, (a good  
 idea, I think--wd) the 1980 season began to gush forth. I'm insanely busy  
 here selling/buying old records, and all that DX actually put a horrible  
 crimp into my schedule, from which I have only recently recovered. In fact,  
 I'm able to get this out now only due to "down time" presently, awaiting my  
 car tune-up. I would have had this December-January DX in much sooner, but  
 I never had the time to sit down and measure the distances, (which are im-  
 portant, hi!).  
 Do you have any ideas who my unknown Canadians are?(no idea--wd.)  
 As you can see, I took good advantage of the 1980 Tr DX season. There seems  
 to be a consensus that it may be the best season for midwestern Tr reception  
 since the bang-up seasons of the early and mid 1950's, and I feel fortunate  
 to have experienced it. Equally surprising was the extensive winter Tr of  
 1979-1980, which started around Christmas and lasted into mid-January, due  
 to mild weather for that time of the year. WNNB-31, WAAZ-31, and WUHT-31  
 were fortunately logged before the channel was ruined this year by new-lo-  
 cal WHT-31 Ann Arbor, which runs 24 hours a day. Unfortunately, I missed  
 both of the Es biggies: on 6/18 I was in Florida and had the entire FM band  
 solid with Es from 13 states at noon in the car, and on 7/17 I was in Chi-  
 cago. Drot! Hope I'm luckier with Es in 1981, but I think it's safe to say  
 that any 1981 Tr season will pale in comparison to 1980."  
 D26 Tr 1446 WRIP-61 465 Chattanooga  
 1447 KTLJ-19  
 1448 WAAZ-31 T  
 1449 WZTV-17 Kansas City  
 1453 WBTI-64 180 Cincinnati  
 1459 WAAZ-31 530 Huntsville  
 1500 WTCI-45 465 Chattanooga  
 1528 WTVK-26 400 Knoxville  
 1530 WUHT-19 530 Huntsville  
 1533 WDCN-8  
 1559 WDEF-12 465 Chattanooga  
 WYMA-40 570 Anniston  
 1629 WTVG-9 465 Chattanooga  
 1630 WBRN-10 400 Knoxville  
 1823 WCXB-5 365 Bristol  
 27 Tr 1044 KBMA-41 600 Kansas City  
 1100 KTSE-27 660 Topeka  
 1130 KCPT-19 600 Kansas City  
 1915-1930--All WI educ. stns. +  
 WKOW-19, KMEG-14 and KDUB-40.  
 2044 KMTC-27 MO  
 2048 WKSQ-29 KY  
 2103 WSWN-47 VA  
 2330 KONE-19 700 Norfolk  
 28 Tr 0247 WBMG-42 590 Birmingham  
 D28 Tr 2030 KETC-9 600  
 WZTV-17  
 2050 KPLR-11  
 2106 KYFC-50 600 Kansas City  
 KBMA-41 600  
 2115 KET stations  
 on chs. 15,  
 29, 38, 52 &  
 54.  
 29 Tr 0057 WCYH-57 310 Hazard  
 0132 KBIN-32 620 March  
 Council Bluffs  
 0141 W49AA 325 Springfield  
 1905 W58AG 195 Georgetown  
 1907 WKHA-35 Newark  
 WSWN-47  
 WKPI-22  
 2000 Unided-48;  
 xltr from  
 SC but car-  
 ried WLIO.  
 2300 WWVU-24 WV  
 2327 WDTV-5 WV  
 31 Tr 0134 WTWO-2 240 June  
 Terre Haute  
 Ms 0401 WBBM-2 11  
 0501 CKGN-2 ON Bancroft  
 Tr 0642 WLYH-15 390 Lebanon  
 J4 Es 2000 KXTX-5 1140 Lubbock  
 15 Tr 1358 WJHL-11 370 Johnson City  
 1400 W39AB 380 Greenville  
 16 Tr 0258 CIX-12 330 Peterborough  
 18 Tr 0722 W38AB 400 Ft. Madison  
 J18 Tr 0600-0700--KFVS-12,  
 KIIN-12, KPLR-11,  
 WKPC-15, WTVQ-36,  
 WKYT-27, WLEX-18,  
 WAND-17, WZTV-17,  
 KBMA-41 600  
 KMTC-27, KHIN-36,  
 KBIN-32 & WGMF-10.  
 0743 KIIN-21 530 Ft. Dodge  
 0800 KETC-9, KCRG-9  
 0830 WKZT-23, WKMU-  
 21.  
 31Tr 1700 W27AC 20 Bowling Green  
 May 1  
 Tr 0534 WJZ-13 MD  
 10 Tr 2330 WSPJ-52 135 Newark  
 29 Es 2026 CKBI-5 1300 Prince Albert  
 2059 KBME-3 900 Bismarck  
 2100 KBBB-5 1400 Great Falls  
 2200 KOET-3 820 Eufula  
 2 Es 0042 CBWT-6 NE  
 0101 CHSS-6 1170 Wynyard  
 0122 CKOS-5 1080 Yorkton  
 0138 CKYB-4 940 Brandon  
 0155 CFSS-3 SK Warmley  
 0158 CKCK-2 SK  
 3 Es 1433 KBTX-3 TX  
 1500 KFDX-3, KOET-3  
 2201 KID-3 ID  
 4 Es 0118 KNOP-2 NE  
 (This report will be  
 continued next mo  
 -wd)

# THE R.F.S. MEXICAN TV LIST

by Ronald F. Schatz

The data herein has been gathered from Mexican media lists and personal monitoring during an extensive motor trip into Mexico in December 1980.

Chan.	Callsign	City & STATE	ERP	Network
2	XHIA	Torreón, COAH	30	L
	XEPM-TV	Cd. Juárez, CHIH	5	2
	XHCH	Chihuahua, CHIH	6	L-5
	XEW-TV	Mexico, DF	100	2
	XHAP	Acapulco, GRO	1.2	2
	XHIR	Cd. Altamirao, GRO		R-XEW
		Iguala, GRO	2.3	13
		San Jerónimo, GRO		R-XEW
	XEWO-TV	Guadalajara, JAL	75	2
	XHI-TV	Cd. Obregon, SON	86.45	L
	XHFA	Nogales, SON	1	13
	XHRIO	Matamoros, TAMPS	60	L
	XEFE-TV	Nuevo Laredo, TAMPS	60	L
	XHFM	Veracruz, VER	14.2	8
		Cordoba-Orizara, VER		R-XHFM
3	XHBC	Mexicali, BC	100	L
	XHPN	Piedras Negras, COAH	6	L
	XHJMA	Parral, CHIH	15	L
		Guanajuato, GTO		R-XEZ
		Valle del Bravo, MEX		R-XEZ?
		Huetamo, MICH		L
	XEFB-TV	Monterrey, NL	100	L
	XHDO	Oaxaca, OAX	5	2?
	XHP-TV	Puebla, PUE	30	8
	XEZ-TV	El Zamorano, QRO	100	2
	XHQ-TV	Culiacan, SIN	100	L
	XHCV	Coatzacoalcas, VER	12.23	2
	XHY-TV	Merida, YUC	100	L
	XHBQ	Zacatecas, ZAC	5.5	5
4	XHJCM	Aguascalientes, AGSC	14.3	13
	XELN-TV	Torreón, COAH	4	L-5
	XHAO	C. Tzontahuitz, CHIS	100	13
	XHIT	Chihuahua, CHIH	26	13
	XHTV	Mexico, DF	100	4
	XHAL	Acapulco, GRO	1.2	5
	XHG-TV	Guadalajara, JAL	88	L
	XHAF	Tepec, NAY	0.4	13
	XHBS	Los Mochis, SIN	11	2
		Cd. Obregon, SON		R-XHBS
	XHD-TV	Tampico, TAMPS	15	2
5	XHAQ	Mexicali, BC	51	L-13
	XHGE	Campeche, CAMP	36	13
	XHAE	Saltillo, COAH	8	2
	XHCC	Colima, COL	1	trm
		Cd. Guauhtenol, CHIH		R-XHFI
	XEJ-TV	Cd. Juárez, CHIH	67.4	L
	XHFI	Chihuahua, CHIH	6	2
	XHGC	Mexico, DF	100	5
		Guauajuato, GTO		R-XHZ
		Ixtlan del Rio, NAY		R-XHKG
	XHZ-TV	El Zamorano, QRO	100	5
	XHAJ	Las Lajas, VER	100	5

Chan.	Callsign	City & STATE	ERP	Network
6	XETV	Tijuana, BC	100	L
		Cd. Dalicias, CHIH		R-XHFI
	XEHL-TV	Guadalajara, JAL	84	L
		Toluca, MEX		trm
	XET-TV	Monterrey, NL	80	5
	XHTI	Puebla, PUE	3.6	13
	XEWH-TV	Hermosillo, SON	1.6	L-2
7	XHAD	Parras, COAH		R-XHAD
		Saltillo, COAH	10.62	5-XEFB
	XHBZ	Colima, COL/Cd. Guzman, JAL	0.1	2
	XHAA	Tapachula, CHIS	0.4	2
	XHDB	Durango, DGO	36	13
		....., GTO		trm
	XEX-TV	Paso de Cortes, MEX	325	4
		Tejupilco, MEX		R-XHTV
	XHBN	Oaxaca, OAX	0.4	2
	XHBX	Chetumal, QR	2	2
	XHBT	Culiacan, SIN		L-5
	XHMZ	Mazatlan, SIN	72	L-5
	XHAB	Matamoros, TAMPS	316	2
	XHGO	Tampico, TAMPS	50	L
8	XHTX	Aguascalientes, AGSC	1.275	R-XHED
		Tuxtla Gutierrez, CHIS	8.15	2
	XHBU	Cd. Jimenez, CHIH	0.8	2
	XHTM	Mexico, DF	190	8
		Morelia, MICH		4?/trm
		Tepec, NAY		trm
	XHFN	Monterrey, NL		L
	XEUS-TV	Hermosillo, SON	1.6	2
	XHBF	Navojua, SON	4.5	E
		Cordoba-Orizaba, VER	1.7	R-XHAH
	XHAH	Las Lajas, VER	316	2
	XHBD	Zacatecas, ZAC	5.5	2
9	XHBW	Monclova, COAH	5	2?
	XHKF	Colima, COL/Cd. Guzman, JAL	40	13
	XHGA	Guadalajara, JAL	81	5
	XEQ-TV	Paso de Cortes, MEX	316	2
		Tejupilco, MEX		R-XEW-TV
	XHTQ	Gueretaro, QRO	47.4	13(8?)
	XHTVL	Villahermosa, TAB	250	L
	XERV-TV	Reynosa, TAMPS		2
	XHPW	Tampico, TAMPS	50	L-5
	XHTP	Merida, YUC	55	2
10	XHK-TV	La Paz, BCS	8	L
	XHA-TV	Durango, DGO	0.85	2
	XHL-TV	Leon, GTO	150	L-2
	XHIE	Acapulco, GRO	82	13
	XHKW	Morelia, MICH	2	2
	XHKG	Tepec, NAY	0.5	2
	XHX-TV	Monterrey, NL	316	2
	XHBF	Cd. Obregon, SON		L
	XHTH	Hermosillo, SON	2.7	13
		Cordoba-Orizaba, VER		R-XHAI
	XHAI	Las Lajas, VER	325	4
		Concepcion del Oro, ZAC		R-XHBD

# TECHNICAL TOPICS



Chan.	Callsign	City & STATE	ERP	Network
11	XHO-TV	Torreón, COAH	12	2
	XEIPN	México, DF	300	E
	XHDD	(Frontón), OAX	65	13
	XHDD	San Luis Potosí, SLP	40	13
	XHTK	Cd. Victoria, TAMP	0.4	2
	XHBR	Nuevo Laredo, TAMP	40	2
	XHBE	Coahuila, VER	125	13
	XHDD	Merida, YUC	80	13
	12	XEWT	Tijuana, BC	66
XHAN		Campeche, CAMP	16.8	L-2
XHMH		Allende, COAH	0.1	trm
		Parral, CHIH		L
XHGT		Durango, DGO		trm
		Guajuato, GTO	0.6	13
XHMAS		Salamanca, GTO	207	13
XHFK		Chilpancingo, GRO	2	2
XHAW		Huamantla, MICH		R-XHTV
		Monterrey, NL	100	L
XHIG		(C. Palma Sola), OAX	125	13
XHGG		Les Mochis, SIN	7	L
		Puebla, PUE		trm?
XHOW	Mazatlan, SIN	30	L-2	
	Hermosillo, SON	50	L	
13	XHAG	Aguascalientes, AGSC	1.275	5
	XHDF	México, DF	316	13
	XHJAL	Guadalajara, JAL	167	13
	XHCUR	Cuernavaca, MOR	9	13
	XHDE	San Luis Potosí, SLP	50	L
	XHBL	Culiacan, SIN	8.2	13
	XHLL	Villahermosa, TAB	7	2
	XHUT	Cd. Victoria, TAMP	0.3	5
	XHIC	Cofre-Perote, VER	100	13
	XHST	Merida, YUC	54	L
14	XHBM	Mexicali, BC	41.5	2
23	XHS-TV	Ensenada, BC	18	L
28		Monterrey, NL		trm
44	XHIJ-TV	Cd. Juárez		?

Guide to network symbols: 2--net-2 (originating at XEW-2); 4--net-4 (XHTV-4); 5--net-5 (XHGG-5); 8--net-8 (XHTM-8); 13--net-13 (XHDF-13); R--relay; L--local origination; E--educational; trm--Television Rural de Mexico net.

Q: "I know that there are a few different theories about what causes E-skip, but what's the connection with thunderstorm activity?"

A: Many ionospheric propagation experts feel that there is a connection between heavy thunderstorm activity and the formation of intense E-skip areas in the E region of the ionosphere. The causes, or more precisely, the "triggering mechanism" of sporadic-E skip, sometimes seem related to the earth's surface weather. The mechanism of E-skip is still not completely understood. However, it does tend to take place at the same time of the year (spring and early summer) that certain types of violent weather does in the middle latitudes. The North American E-skip "season" often gets underway at roughly the same time that the tornado season starts; many researchers feel that this happens far too often to be a coincidence. It has been found that the more intense E-skip activity, especially the day-long, high-MUF (maximum usable frequency) openings in the U.S. Midwest can almost always be connected with severe thunderstorm activity at or near the mid-points of the E-skip signal paths. The type of weather system in concern is usually a large summer-type thunderstorm associated with a low pressure area and containing very large "thunderheads" reaching to 50,000 to 60,000 feet above sea level. That's not your "typical" thunderstorm, but is not uncommon at middle latitudes at this time of year. Usually, such a storm can be found in a "tornado watch" area, and contains, in addition to the tornado and high wind potential, large amounts of hail and electrical activity in the form of lightning discharges.

Q: "So how can thunderstorms cause E-skip? The storms are only a few miles high--and the E-skip clouds are supposed to be at very high altitudes, such as sixty miles or more. Isn't that too far away for any kind of direct connection?"

A: Severe thunderstorms have been found to contain high altitude wind shear activity somewhat similar to the type of wind shear that one theory states is the key to the cause of sporadic E-skip. Such thunderstorms also contain strong electric charges, and an ionization potential (as lightning scatter can demonstrate), so it seems possible that a large system of severe thunderstorms, even though located at an altitude that's only a fraction of that of the E-skip "clouds," may indeed have a kind of "ripple effect" on the ionospheric E layer. The problem is that there is a lack of hard evidence to connect thunderstorms to areas of intense E-skip.

Q: "Is there any way to take advantage of this apparent link between E-skip and severe thunderstorms, such as using weather maps to predict Es openings in a specific part of the country?"

A: Much remains to be learned about the connections between weather and sporadic E-skip, and our understanding of the exact mechanism that brings about Es is still rather limited. Still, when you consider that there does seem to be a relationship, however complex and undefined, it makes it worthwhile for the DXer to be aware of where areas of intense thunderstorms may be expected on a particular day during the May-to-July E-skip season. You can make use of the morning weather maps on the TV networks' news programs--and if available in your area, don't miss PBS' "A.M. Weather." Remember that you can expect E-skip to take place over a path that has the area of severe weather in the center. You'll soon notice certain patterns developing, and you may even start to devise your own methods for forecasting Es openings to some extent. You won't be able to predict openings 100% of the time, but you'll soon begin to recognize the kinds of days when it might be wise to stay close to the DX shack. One curious effect you may note is the fact that many Es openings will appear to start with areas being affected by severe thunderstorms being logged first. This is one of the more mysterious aspects of E-skip observed by DXers--one that has yet to be satisfactorily explained.

# IN SEARCH OF PSB

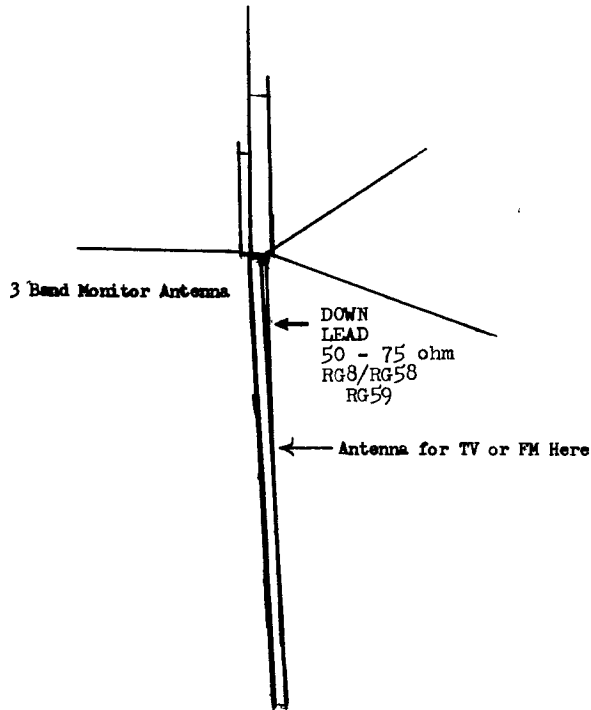
Donald L. Blevins  
1715 Earhart Road  
Baltimore, MD 21221  
phone 301-574-2714

**IN SEARCH OF PSB...The Basic DX Set-Up:** This month's feature will focus in on the basic set up. The most basic portion of this set up is the antenna. Although the typical scanner owner operates his rig with a screw in whip supplied with the rig, for the DX, one should consider being hooked up with an outside antenna. Outside antenna overcome several problems:

- 1) Loss of signal due to aluminum siding
- 2) Loss of signal due to body capacitance(demonstrated by moving about the room to improve the performance of a scanner)
- 3) Loss of signal due to shortened length of antenna on low band or excess length on UHF (screw in whips are typically 18" in length ideal for VHF-High Band)

Of course an outside antenna does provide advantages over a screw in whip due to the fact it is above the ground, away from aluminum siding, and more typically a better match electrically. Several avenues of thought are to be considered if you are if you are setting up a monitoring post. Of course you may just want to get better local coverage, in which case these suggestions should only enhance this goal.

The first thing to consider is the frequency range of the stations you wish to monitor. This factor determines the size of the antenna, which in turn has to be balanced against the physical limitations and the cost of the particular set up. Here is a typical mid-range (\$) set up for the space conscious.



Since the beginning of my hobby, a great deal of change has take place in the public safety communications field. I started my set up with a Lafayette PF 50 single band low band receiver and a dual band antenna. Frustrated with poor selectivity, I aquired a Lafayette PF 300. This receiver provided a great deal of pleasure, but left me with a poor idea where I was on the dial. Keep in mind PSB is narrow band FM and therefore tuning for an exact frequency can be an extremely frustrating experience.

Within the appearance of scanners on the scene exact frequency was no longer a problem. Sensitivity is, as a general rule, twice as good and no better frequency stability can be achieved. However then came along the cost of crystals. At \$5 a frequency, DX'ing got to be expensive coupled with the idea agencies are constantly changing frequencies.

Deliverence, however, was just around the corner. The programmable scanner was indeed a godsend. Placing before the DX'er the availability of any given frequency in a frequency range along with search, the PSB DX'ers dream machine finally arrived. The adventure of locating frequencies where no previous information had been available revolutionized this exciting hobby.

Now lets get down to brass tacks and talk about an adventurous undertaking. The world of PSB DX'ing with an outdoor antenna has expanded my horizons of 20 miles of local listening to Pennsylvania, Delaware, Virginia and West Virginia for about 70 miles of pleasurable listening. During an type of tropo opening, this range is expanded to New York, New Jersey, Virginia (southeastern Virginia around Norfolk), and on occasion, North Carolina. Skip seems to come in better with an outside antenna. You might compare the difference between a screw in whip and outside antenna the same way as TV rabbit ears and outside antenna.

With a 6 element beam and a TV preamp, DC is no problem. Without this antenna, DC simply cannot be managed with some type of opening. Keep in mind PSB stations rarely run more than 500 watts, vertically polarized, since the area they service is small and receivers are ultra sensitive, compared to other modes of communications.

Your local terrain plays an important role in range of reception, considering low power, high frequency signals tend to be generally line of sight. Tropo will extend local reception unbelievably. An opening has very frequently been responsible for mobile reception at 60 miles.

As with TV tropo, each band seems to be effected a little bit differently. UHF seems to show signs first, VHF high second, and low band last. However, openings can occur first on either of the bands initially. This generally means the higher band is not propagating as well, or the opening has allready moved down in frequency.

#####

William R. Hepburn  
5699 Highland Avenue  
Niagra Falls, ON  
CANADA L2G 4X2

reports: NOAA WEATHER STATIONS

Now on the Airs:

Flagstaff, AZ	162.40
Bakersfield, CA	162.55 (part time)
Merced, CA	162.55
Bedding, CA	162.55 (part time)
Clewiston, FL	162.40
Macon, GA	162.475
Marion, IL	162.475
Cedar Rapids, IA	162.475
Sioux City, IA	162.475
Waterloo, IA	162.55
Chanute, KA	162.40
Hagerstown, MD	162.475
Houghton, MI	162.40 (WKK-73)
Columbia, MO	162.40

MOBE NEXT MONTH  
ON NOAA WEATHER UPDATE!

GIVE more info to:  
IN SEARCH OF PSB

ONLY YOU can prevent  
listener disinterest!

UNCLE SAM WANTS YOU!  
to contribute to IN SEARCH  
OF PSB!!!!!!!

# QSL CORNER

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

FM-QSL

- NF CBNM 90.3 Marystown, % CBN-AM Radio, P. O. Box 12010, Stn. A, Kenmound Rd, St. Johns, NF A1B 3TB. Letter from P. J. Hall, Transmitter Technican, Card back for CBN for CBNM reception. QSL card signed by F. H. Holm. Holbrook
- GA WDEM 105.3 Macon, 173-1st., P. O. Box 46, 31202. Letter from Aaron Bowers, PD. Zark
- IL WWTM 93.9 Moultrie, P. O. Box 788. Letter from Douglas J. Turner, Owner. Zark
- IL WWJC 89.1 Mt. Carmel, 2200 College Dr, 62863. Form letter from CE, & from Frank E. Parcells, Mgr with bumper stickers, window sticker & several items on broadcasting & technical courses at Wabash Valley College. Zark
- WDLM 89.3 East Moline, P. O. Box 149, 61244. Letter from Glenn Rogerson, CE & a program schedule was send. Zark
- MI WJOX 106.1 Jackson, 1700 Glennshire Dr, 49201. Letter from Paul Wright, CE, received a reply back in 2 weeks. Ross
- MN KKOK 95.7 Morris, Box 231, 56267. Letter back from Maynard R. Meyer, CE. Holbrook
- KODE 92.1 Waseca, 222 N. State St, 56093. Letter from Ron Gaines, Operations Managers Holbrook
- WYRO 92.1 Little Falls, 62 E. Broadway, 56345. Letter from Joseph M. Benson, former NRC member. Holbrook
- OK KRRO 92.1 Ardmore, Box 911, 73401. Letter from Jim Redmond, PD in 11 days. George
- RI WBRU 95.5 Providence. Letter from Craig Healy, Technical Advisor, member of NRC, They share transmitter site of WHJY-FM & WHIM-AM. Cooper
- TX KMGC 102.9 Dallas, 1383 Regal Row, 75247. Letter from John R. Adcock, CE & a 2 year old window sticker & ask if I got KVIL, KPLX & KTXG. Chernos
- KAFM 92.5 Dallas, 12700 Park Central Dr, suite 512, 75251. Verie & bumper sticker send after I called them collect (their request line when Es was in) reply from Jerry Taylor. Hascall
- KRLY 93.7 Houston, 2630 Fountainview Dr, 77057. Letter from Ellis Terry, CE in one week. Hascall
- KTEP 88.5 El Paso, UTEP, 79968. Letter from William L. Hall, CE. Zark
- KBID 92.9 Wichita Falls, Box 1794, 76307. Letter from Vernon Beck, who returned my postcard after follow-up report. Holbrook
- KORO 100.7 Abilene, Box 2201, 79604. Letter from Dave Martin. Holbrook
- KESS 93.9 Ft Worth, 661 Seminary South, Box 6195, 76115. Nice letter from E. J. Pryor, jr., Dir. of Eng. Also send 2 head shaped stickers of an Spaniard, the station has a Spanish music format. Chernos
- KMEZ 106.3 Dallas, 9900 McCree Rd, Box 38146, 75238. Short, but nice letter from Dave O'Brien, Operations Mgr, enclosed a really nice desk thermometer. Chernos
- KSET 94.7 El Paso, 4180 N. Mesa, 79912. Letter from Mark Ross, disc jockey on duty at the time of my reception, replied in 6 weeks. Said "I trust that the Dir. of Eng. send a confirmation & some of the other pertinent information which you had asked for." (He did not!) Wood
- KINT 97.5 El Paso, 5959 Gateway West, 79925. Letter in one month from Jhani Kays, Ops Dir. Wood.
- WV WEMM 107.9 Huntington, 703-3rd. Ave, 25701. Letter & coverage-maps from David S. Johnson, Corporate Engineer. Eddie
- WI WIXX 101.1 Green Bay, 115 S. Jefferson St, 54301. Letter & a cloth frizbe & stickers from Dennis Mentzos, Mgr. He ends the letter as "the best of luck to a good neighbor to the North (!!! - I am south of Green Bay, such ignorance) Chernos

Reporters this all fm qsl month are the following: Hank Holbrook of Chevy Chase, MD; Neil G. Zark of Lincoln, NE; Robert S. Ross of London, Ont; Ernest R. Cooper of Provincetown, Ma; Dave Hascall of Fortville, IN; Saul Chernos of Toronto, Ont; Richard E. Wood, Ph.d of Cape Girardeau, MO; Richard Eddie of St. Louis, MO. This was a big month for Texas that I had waiting to be typed-up. Remember, send in your QSL card copies for printing, so that everybody can see that prize QSL you've got.

I will send back to you the QSL after I copy it at work for printing in this column..... New reporter of Charles George of Dallas, TX that I forgot.....73'4. Tom Yingling.....

# SPECIAL OFFER:

## ONDAS FM



### A COMPREHENSIVE GUIDE TO THE EDUCATIONAL FM STATIONS IN THE U.S.

## BOTH FOR \$4.00

ORDER FROM: WTPDA HQ, POST OFFICE BOX 97, CALUMET CITY, IL 60409 U.S.A.

WTPDA has a limited number of copies of these FM DX reference publications still in stock. ONDAS FM is our unique guide to FM broadcast stations in the Caribbean area, and in Central and South America--complete with maps. The EDUCATIONAL FM GUIDE is a complete listing of the U.S. educational FMs, and includes station addresses. ONDAS sells for \$3.00, and the EFM GUIDE is priced at \$2.00. Order our special package today and get both for only \$4.00--while supplies last. Don't delay--this offer is good only as long as the present stock lasts. No avid FM DXer should be without these!