

# From The STAFF

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

IT'S JAMESTOWN IN '84...Mike Lapinski submitted the only bid for next summer's WTFDA convention to arrive by the November 1st deadline; so, for the second year in a row, the club convention will be held in the same county. Jamestown is located about 25 miles from Dunkirk, site of the 1983 club gettogether. The site Mike will be hosting the activities at is also reputed to be outstanding for VHF and UHF DXing, though in different directions than Bob Seybold's hilltop location. Jamestown is one of New York State's more enjoyable small cities, with excellent air service via commuter connections to Pittsburgh and Buffalo. We hope to see you there next summer!

AND, NEW ORLEANS IN '85?...Ron LeBlanc, among the Gulf area's most avid and expert VHF/UHF DXing enthusiasts, had planned to bid for the 1984 club convention, but the 1984 World's Fair will be held there, and that caused problems; seems that hotel/motel space will be scarce, and rates will skyrocket for the event. So, Ron would like you all to think "New Orleans '85!"--starting now.

YOUR COMMENTS ARE APPRECIATED...Mail being received by club HO indicates that the policy on excluding log totals from DX reports should be dropped. We agree, judging that the comments are running 3 to 1 against it, with many interesting points raised. We'll have to wait for the January issue before we can run a planned FEEDBACK column on this matter. Many thanks to those who commented on this!

A REMINDER...If you do not wish to have your address published in the upcoming membership list, be sure to let HO know by December 15. In the past, some members have complained that listing such addresses has resulted in "junk" mail and catalogs that were not welcome. We at HO fail to see the problem with this, but we'll certainly honor any member's request to delete their address from such lists.

COLUMN NEWS...PHOTO NEWS editor Mike Reid has asked us to find a new editor for the column. He'll be stepping down in a few months, so do not send any new material to him, to expedite things. Your Editor-in-Chief will take over this section, and this should aid in planning the layout of the VUD...the conclusion of EXPERIMENTS WITH A HOMEBREW FM YAGI will have to wait yet another month, due to the unexpectedly large size of this month's issue.

ANARC UPDATE: Handicapped Aid Program (HAP): can you help?.....3  
FCC FM NEWS: 60 years AM + 40 years FM = 100 years serving NYC...4  
SOUTHERN FM-DX: DXing in Alaska and Hawaii.....6  
NORTHERN FM-DX: No DX reports for month of October.....8  
FM STATISTICS: What are your personal DX records? Let us know...10  
CENTRAL FM-DX: One DXer's opinion of 1983 skip season.....11  
ANTENNA NEWS: A DX Christmas.....15  
TELEVISION NEWS: At UHF's upper end.....19  
1983 WTFDA CONVENTION REPORT: It was all uphill.....28  
WESTERN TV-DX: Long haul UHF tropo continues.....29  
PHOTO-NEWS: Some vintage DX snap-shots from Paul Gaines.....35  
EASTERN TV-DX: NJ DXer logs FL ch 351.....36  
TV STATISTICS: Some personal DX records.....41  
CCI(UNIDENTIFIED DX): Summer skip and tropo leaves many unIDed..42

## ANARC UPDATE

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### DECEMBER THOUGHTS Helping Others

December 83

It's December. The weather is getting cold and the DX season is almost over. It is a good time to reflect about our hobby over the last year.

The event that has affected me the most this past year was the ANARC convention. At the convention, I was struck by the large number of blind and handicapped DX'ers there were. Most were members of a group known as the HANDICAPPED AID PROGRAM or HAP. HAP's main function has been to encourage the radio listening hobby to handicapped people. I was glad to have a chance to talk to many members of HAP who were there. Many expressed an interest in FM-DX. Two blind members told me of their TV-DX experiences. This surprised me. I guess I tend to think of TV-DX as a visual hobby ("watching TV"). Here was a small group of people who could be greatly helped by our club. We could provide so much assistance and information. But, how can we help these people?

First, we must offer our help to HAP, which up to now has only promoted shortwave DX'ing. I'm sure they would gladly accept it. There is much that we can provide. We can supply the VUD to be taped. A telephone network can be set up so that a HAP member can get information from the FM station guide or the TV station guide from a local WTFDA member. We should encourage the handicapped to join our club. (Are there any WTFDA members who are also a member of HAP?) For HAP, we like many clubs, can publish the list of the HAP sale items.

If any one has any suggestions or would like to work on this type of project, please drop me a line.

A couple of days ago, I was thinking of the purpose of logging and QSL's. When you really think about it; ours is not a lucrative hobby as compared to other collecting hobbies. We collect QSL's and we collect a list of the stations we have received. But; you can't go out and sell your old QSL cards, no matter how rare they are. It's great to look at someone else's QSL collection. You may see one that you want, but the only way you'll get it is to send a report to that station. There are members of our club who love to collect loggings. I really like to see what other DX'ers are getting, but they are of little use to me otherwise. I can't repeat what you did and those with long lists of loggings do not impress me. Fabricating loggings is a big waste of time. To me the most important part of a report are the comments. I like to read about a new station that has gone on the air or how a person thinks that the station they are seeing is the station they think it is. I like to know why one television set or FM receiver is better than another for DX'ing. I know this information is helpful to others. And helping others is what our club is all about. This is why it is important to report on a periodic basis. And it is the comments, especially the ones that help update our information about stations in your area, make any report worthwhile. And, don't forget the human interest. We are a club of people. We've had some big VUD's. I have been reporting this in the ANARC Newsletter. Some have been the best VUD's since I joined the club eight (8) years ago. The VUD can be twice as good in the coming year as long as everyone contributes.

Well; enough for this year. I wish everyone a happy holiday season and a healthy NEW YEAR. Oh, by the way, the SONY watchman under the tree is for ME!!!!

Steven P Sprachman.

### SPECIAL OFFER

1984 World Radio TV Handbook The 1984 WRTH will be published in Jan. or Feb. 1984 and retail at \$17.50 in the US; orders are being taken at \$15 USPS Book Rate, worldwide, or United Parcel Service, US only, (please specify) or \$16 First Class Mail, US only. Calif. residents must add 6% sales tax. Orders, with an SASE for confirmation of shipment, and a check or money order in \$US on a US bank, payable to CENTURY PRINT SHOP, should be mailed as soon as possible (no deadline) to: Century Print Shop, Don Erickson, 6059 Essex St., Riverside, CA 92504-1599. Inquiries welcome, (714) 687-5910. In Canada, please include \$21 fourth class or \$23.50 special delivery and mail orders for receipt no later than Jan. 7, to: Canadian International DX Club, Don Moman, 6815 12th Avenue, Edmonton, Alberta, Canada T6K 3J6.

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FCC--FM

December, 1983

Contributions welcome: Note especially stations in your area adding \$tereo!

### Stations Broadcasting in Stereo

CA Carmel Bay KHTX 103.7 + translator  
CA Colera KMGO 106.3  
CA Hollister KNHJ 93.5  
CA Paradise KRJ 92.7, k  
CA Yreka KYR 97.7  
GA Fort Valley WQZB 108.3 T network  
HI Kealahou KOAS 92.1, b, heard on Kauai at 255 miles, up 4000' in the mountains  
IN Elkhart WPEP \*88.1  
IN Evansville WPSR \*90.7  
IN French Lick WFLQ 100.1, Q-100  
IN Greensburg WRZD 107.3 Q-107, m  
KY Fulton WWKF 98.3, k, F-99  
NE Omaha KEFM 96.1 back on air, b, 24 hours  
NY Remsen WAES 93.5, light rock  
OK Woodward KDAK 92.1, k, U, "Stereo 92"  
PA Carbonade WLSF 94.3, FM-94  
PA East Stroudsburg WESS \*90.3  
PA Lewistown (correct spelling, p. 110 FM Atlas) WMRP-FM 95.9  
TX Dallas KNON \*90.9 AT Drumheller CKUA-FM 13.9  
UT Ogden KZAN 97.9 FM13 91.3  
WI Watertown WMLW 94.1

**Discontinuing Stereo—Monaural Only**  
NE Blair KBWH 106.3, apparently trying to give as strong a signal as possible with its soul format into Omaha—from an all-white city of license.

**SCA († 67 kHz)**  
FL Crystal River WRDQ 88.5 music  
FL Gainesville WUFT-FM \*89.1 music  
FL Orlando WMFC-FM \*90.7 1X  
WDIZ 100.3 no SCA

**New FM Stations Granted by FCC**  
AL Montgomery \*90.7 25000 h.v.; 610' [AR Christ. AR Hot Springs \*90.1 5000 h.v.; 780', g Central / CA Grover City KLOI 107.1 880 h.v.; 520'  
CO Fruita 99.9 100000 h.v.; 1380', rock and roll  
CO Rifle 106.3 100000 h.v.; 530'  
GA La Grange WQAK \*90.9 3350; 300', g Oakland  
NY Middle Island \*88.5 \$, g, 210 h.v.; 300' Family Stations—Family's first educational FM grant  
NY Watertown \*90.9 4000 h.v.; 1150', WCNY-TV  
OR Bend 97.5 93000 h.v.; 590'  
PA Pittsburgh \*88.1 300 h.v.; 500', U. of Pittsburgh, co-existing with WRCT \*88.3 Pittsburgh  
SD Simeton 102.9 100000 h.v.; 530'  
WA Goldendale-The Dalles OR K212AE \*90.3 \$, c, KFAE 98.1 Richland WA translator  
WV Parkersburg \*90.1 9000 h.v.; 320', ETV

**Apparent Deletions**  
CA Loma Linda KEMR \*88.3  
UT Laketown K212AH \*88.3

**Formats/Networks**  
AL Arab WCRQ 92.7 k (country)  
AL Decatur WDRM 102.1 all k  
CA Carmel KWST 101.7 k  
CA Davis KYLO 105.5 all [gospel]  
CA Sacramento KYDS \*91.5 [rock]  
CA San Diego KXYX 96.6 rock (not m)  
KSDO-FM 102.9 (not m)  
CA Santa Rosa KVRE 101.7 rock, not k  
DC Washington WMQZ 98.7 S (AP Audio)  
FL Daytona Beach WDDQ 101.9 rock, "Hot Hits"  
FL Orlando WUCF \*88.9 m, big bands during the day; varied at night  
FL Winter Park WPRK \*91.5 classical and rock  
HI Honolulu KAIM-FM 96.5 all gospel, no c  
HI Kailua KSHO-FM 96.3 in (CNN Radio News 6-10 am; then jazz until about midnight)

HI Makawao KVIB 94.3 k  
IL Skokie WCLR 101.9 UPI Audio  
IN Crawfordville WILFO 103.9 middle of road  
IN Martinsville WCBK 102.3 km, still mono  
IN North Vernon WNVF-FM 106.1 m, "Mighty 106" (one reader thinks their call letters are WMDI, but FCC says WNVF-FM)  
IN Terra Haute WZZQ 107.5 pr. "The Valley's Only Rock"  
IA Fort Dodge KSMX 92.1 k, 92-X  
KS Hugoton KHUQ 106.7 r, Q-107-FM, mono.  
KY Owensboro WKWC \*90.3 cj, also soul, \$  
KY Providence WHRZ 97.7 k, 97-Country  
MA Boston WCOZ 94.5 rock, not pr  
MI Muskegon WQWQ 104.5 ABC—Information  
MN Anoka KTWN, B-108, now all r, no jazz  
MN Luverne KLQL 101.1 (having moved from 100.9—see my last month DX report in S. Chernov's column), k, K-101, 1X ("sweet")  
MN Winona KSMR \*90.9 K (ABC Rock, not E)  
MO Ste. Genevieve KSGM-FM 105.7 k (country)  
NE Kearney KSCV \*91.3 cj, no network, no nonID, still 10 watts  
NE North Platte KXNP 103.5 i (x-RKO)  
NE Omaha WQW-FM 94.1 E, not EI, "94 FM Country," but not strict  
NY Bristol Center WYLF 95.1 m (not b), "Music of Your Life"  
NY Liberty-Monticello WYVOS-FM 95.9 i  
NY Monticello WWSU 98.3 N[BC]  
NY Rochester WMIJ 92.5 rock, Q-92  
NY Syracuse WAER \*88.3 ja, NPR, baseball  
WNTQ 93.1 O (CBS' RadioRadio), no SCA  
OH Kent WNIR 100.1 talk (no Stereo)  
PA Potterville WAVT 101.9 O, T-103  
PA South Williamsport WFFX-FM 99.3 D  
TX Lubbock KRLB-FM 98.5 S Audio, rock, no Spanish, Stereo  
TX San Angelo KWLW 93.9 rock  
VA Warrenton WORA 94.3 rt, joins ABC Talk-radio

**Facilities' Changes Granted by FCC**  
AL Birmingham WZZK 104.7 1300' (100 kw/h.v.)  
AK Anchorage KKLW 104.1 (from 103.9) 25000 h.v.; 71'  
CA Blythe KJMB-FM 100.3 50000 h.v.(210'), \$  
CA Chico KCHO \*91.1 5350 h.v.; 1220'  
CA Riverside KGGI 99.1 3100 h.v. (1530') 2100'  
CO Colorado Springs KRCC \*91.5 54 wets/h.v.; CT Hartford WKSS 95.7 16500 h.v.; 875'  
CT New London WCNI \*91.1 260 h.v.; 200'  
FL Fort Walton Beach WFTW-FM 96.5 (from 99.3) 100000 h.v.; 620'—initial decision, subject to reversal in favor of one of several other applicants for 96.5)  
FL Jacksonville WFAM \*90.9 (from 91.1) 19000 h.v.; 460'  
FL Port St. Joe WJST 94.5 (from 93.5) 100000'  
FL Tallahassee WCSN 94.9 840' (90000 h.v.)  
GA Gainesville WBCX \*89.1 3000 h.v.; 300'  
IN Richmond WECL \*91.5 (not moving to 89.7) 1000 h.v.; 105'  
IA Muscatine KFMM 99.7 645' (50000 h.v.)  
KS Colby K213AB \*90.5 announcements with those call letters as being on 98.3 (?)  
KS Hays K252BJ \*98.3 (from K219AD 91.7)

LA Baton Rouge KLSU \*91.1 5000 h.v.; 160'  
MI Allendale WGVG-FM \*88.5 140 h.v.; 135'; \$  
MI Holland WYXX 96.1 18000 h.v.; 750'  
MI Ishpeming WMDT 107.5 (from 107.1) 100000 h.v.; 530'  
MI Menominee 106.3 3000 h.v.; 300', k—a reversal of earlier initial decision  
MO Harrisonville KIEE 100.7 835' (100000 h.v.); transmitter Peculiar MO (93.5)  
NE Hastings KEZH 101.5 50000 h.v. 255' (from/NH Plymouth WPCR \*91.7 215; -380'  
NJ Cherry Hill WEEC \*88.5 170' (100 h.v.) [940'  
NY Binghamton WSKG-FM \*89.3 10200 h.v.; / NC Greensboro WMBG 97.1 515' (100000 h.v., directional)  
NC Raleigh WCPE \*89.7 100000 h.v.; 745'  
OH Bowling Green WRON 93.5 1950 h.v.; 360'  
OH Chillicothe WKJK 93.3 20000 h.v.; 635'  
OK McAlester KMCO 101.3 100000 h.v.; 635'  
OR Beaverton KTJA 103.3 81000 h.v.; 1650'  
PA Linaville WVCC 101.7 300' (3000 h.v.) [107'  
TN Lebanon WYHY 107.5 (from 107.3), still Y-/TX Beaumont KWIC 107.9 (from 107.7), said to be operating on the new frequency already  
VA Lynchburg WRLV \*88.3 50000 h.v.; 1080', presumably deleting directional antenna  
WA Longview KLYK 105.5 220 h.v. (920')  
WV Elkins WGHG \*90.3 1000, ht. not given)

**Call Letters Assigned or Changed**  
AZ Oracle 103.1 KTTZ  
AR Fayetteville 103.9 KKIX (KNWA) [oldies.  
CA San Francisco 93.3 KYA-FM (KLYT), rock / CA Walnut Creek 92.1 KINQ (KDFM)  
CA Yreka 98.3 K252AP (not K252AM, which is in Hotchick 30)  
FL Lake City 94.3 WOPD (WNFO)  
HI Hawaii Kai 98.3 K252AR (FCC says AP, but AP is also in use at Yreka CA, so I'm assigning -ARI)  
HI Paauilo 95.9 KHCR  
ID Weiser 100.9 KWEL-FM  
IL Chicago 107.5 WGGI-FM (WGCI), no network  
LA Clinton 92.7 WOCC (WFEX)  
MA Orleans 104.7 WKPE (WKCJ-FM)  
MI St. Johns 92.1 WKLI (WKCX)  
MO Bethany 95.9 KAAAF-FM (KAAAN)  
MO Birch Tree 107.1 KBMV, k, \$  
MO Joplin K257AS 98.3 (not K257AW, which is in Minturn 60)  
MO Lebanon 103.7 KIRK (KWEL-FM)  
NH Wolfboro 104.9 WLKZ  
NY Blaineville 106.3 WFMV (WFMV-FM)  
NY Rochester 97.7 WPKY-FM (WPKY)  
ND Carrington 97.7 KDAK-FM [h.v.; 965'  
ND Minot 97.1 KYND-FM (KJCB-FM, 95000 / OH Marietta 94.3 WEYQ (WMOA-FM)  
OH Wooster 104.5 WQKT (WWST-FM)  
OK Durant 97.7 KEYD  
OK Oklahoma City 98.9 KZBS (not KLNK)  
PA Johnstown 95.5 WKYE (WJAC-FM), k, Key-95  
PA Lock Haven 92.1 WCWN (WBPZ-FM), still "Country 92," UPI SD Spearfish 101.1 KEZV SD Spearfish 107.3 KSLT ("K-Sal"—gospel)  
TN Lovellville 94.3 WIST (WPCT)  
TN Minor Hill 92.1 WLXX  
TX Fairfield 92.1 KNES  
VT Bellows Falls 107.1 WFBL (WTUJ)  
WA Ellensburg 103.1 KQBE  
WV Charleston 97.5 WQBE-FM (WQBE)  
VI Christiansted, St. Croix Island 95.1 WJKC  
Report on any format, network, or stereo status changes for these stations having new call letters which are in your reception zone.

**Slogans/NonIDs**  
[To qualify, a station must use the slogan regularly without call letters immediately following or immediately preceding. If slogan is used with call letters, does not warrant a listing. An extreme example is KZZL 99.5 Le Mars IA, which always mentions "Casual," but always with call letters. Thus "Casual" does not count as a nonID, even though it is a station slogan that is frequently used over the air.]  
FL Orlando WHOO-FM 96.5 Who Country  
FL Sarasota WSRZ 102.5 102% (sometimes "The Music Wave")  
IL Fairfield WFIW-FM 104.9 I-95  
IN Evansville WYNG-FM 105.3 Wing-105  
IN Vincennes WRTS 96.7 Hit Radio 96, Stereo  
NJ Franklin WMSJ 102.3 102  
PA Freehold WQEO 103.1 Q-103  
WA Seattle KPLZ 101.5 K-Pius FM

**Dual or Multi-City IDs Granted**  
[From now on stations won't have to get permission to do this—just pick a city and give a dual city ID, regardless of signal strength to the new city. The only requirement is that the city of license must be mentioned first, however.]  
CA Jackson KNGT 94.3 adds Sutter Creek  
CA Paradise KNVR 96.7 adds Chico  
NE Boothbay Harbor WCME 96.7 adds Bath ME  
NC Statesville WLTV 96.9 adds Charlotte NC  
TN Bristol WHCB \*91.5 adds Kingsport-Johnson City WA Hoquiam KGHQ 95.3 adds Aberdeen WA

**"FM Atlas" Errors or Discrepancies**  
[Largely compiled by John M. Jefferson and Richard Reese. Take out your magnifying glass and correct your FM ATLAS.]  
AZ Bullhead City KLLA, p. 69, listed as 95.5, not / A. Carrizo \*91.3 K217AI p. 69 listed 88.1 instead of where it belongs, \*91.3.  
AZ Yuma KTLI 95.1 is not m  
CA China Lake 96.7; KKGJ, jazz format, p. 70. 100.1 KZZZ-FM; (not KOTEE)  
CA Fresno KNAX 97.9 T (The Source), p. 71 listing CA Laguna Hills name omitted, p. 71  
CA Lompoc 95.9 K240AL out of sequence, p. 71  
CA Bismarck K240AA 95.9, KIQQ 100.7 (not g)  
CA Palm Springs 97.7 now KEZTN, not KCXST  
CA Redding 92.7 K224AK pr to agree with KFMF  
CA San Pedro KFOXC 93.5 m to agree with KFOXC  
CA Santa Barbara \*88.7 KSCA (not KSLA), p. 72  
add K210AD \*89.9 KCBX, which already exists in Santa Barbara \*89.9 missing, map p. 32  
CO K208AD \*89.5 a KCPB, 400 kHz away!  
CA South Lake Tahoe KRLT 100.1 S Audio (p. 72) KZFR 102.9 no network [58.  
CA Stockton KQJH \*90.1 should be in large type, p. / CO Alamosa \*88.7 KRZA and \*90.9 KASF should be added to map, page 65.  
CO Uravan K268AR 104.9 KKKX omitted from p. 73; correct town's spelling that page  
CO Yuma KJCO 100.9 listed twice, p. 73  
GA Blue Ridge 103.9 WPLL (not WPPI), p. 74  
GA Rome 97.7 WKCC (not WROM), p. 31  
GA Wrens WRNS Z no net under GA, S under 96.7: is IL Charleston WELI \*89.9 missing, map p. 32  
IL Columbia WCBW no net under IL, R 104.9, is R IN Bluffton WCRD 100.1 no \$ IN, \$ on 100.1, is \$ IN Indianapolis WAJG \*104.5 cj, P (not Mutual)  
IN Notre Dame WSDN \*88.9 no net under IN, is I IA Cedar Rapids KCCO \*90.3 (not 90.5), p. 76.  
IA Waverly KWAB (not WEA, M \*89.1, is Mutual)  
KY Princeton WKPY no net KY, S 104.9; is S, m, \$ KY Richmond WCBR-FM, not WCRB-FM, p. 78  
LA Ruston KLPI (LA), U \*89.1, is UPI  
LA Tallulah KBVO stray "I" under \$ column, p. 78  
ME Farmington \*92.3 WNEK (not 91.9), p. 15  
MD Bel Air WJCF no net MD, A \*88.1 (moving to \*91.1)—list as having no network [network.  
MD Hagerstown WMDM no net (MD); E (104.7), no / MA Framingham WDJM \*91.3 (not 91.5), p. 79  
MA Plymouth WPLM-FM no net (MA); U (99.1), p. 10  
MA Springfield \*97.5 WNEK (not 97), p. 16  
MN Elv W288AI (not W288AT—computer prints I and T to look almost the same!), p. 80  
MN Golden Valley KORS 92.1 no net (MN), T 92.5: T MN Marshall 100.1 KKCK (not KMHL), p. 43  
MN Richfield (not Richmond) 101.3 KDWB-FM, p. 118  
MS Ripley W23 WT XI (not WT XI), p. 119  
MS Starkville WOKR, picked up coverage, net from

previous entry; should be 15, 46, NBC (network  
MO Butler KMoe no net (MO); U 92.1, no / MO Joplin KSNV A under MO; K 92.5: is K MO Lebanon KLTW 92.1 no \$  
MO Marshfield KOSC no net (MO); U 104.9: list as having no network  
MT Boulder (the town) missing from p. 81; add K292VA (the valley) KCAAF-FM 101.1, not 106.3  
MT Culbertson K268AP, r, to agree with KYZZ  
MT Libby K285AI (not K285AT), p. 82  
MT Shelby, city name missing, p. 82  
NE Grand Island KSYZ 107.7 no net (NE), R 107.7, is RKO  
NH Henniker \*91.7 WNEC should be in large type, p. 14  
NH Lebanon WCNL-FM 101.7 shows \$, no \$ Stereo under state; is Stereo  
NJ Glassboro WGLS I under NJ; Y \*89.7; is Y NJ Mahwah WHPR \*90.3 should be in large type, p. 2 [Stereo  
NM Farmington KNMI no \$ (NM); \$ \*89.9; is / NY Baldwinville WBXL no net (NY); M \*90.5 is Mutual  
NV Lund K280AA (not K280AD, p. 82)  
NY Hampton Bays 107.1 WWHB (not WWHB), p. 126.  
NY New Rochelle WRTN no net (NY); M 93.5, is Mutual  
NC High Point \*90.3 WWIH (not WWHI), p. 84  
NC Raleigh WMMO Mutual (NC), no net (101.1), no network, 1 music SCA  
OH Batavia WIOBC share-time symbol missing (is misplaced at WKHR \*89.3 B. Dirnbright), p. 85.  
OH Belleaire WBHR \*88.7 add to map, p. 24  
OH Kent WKSU PT (OH); PY \*89.7, list as P  
OH Urbana WCOM no net (OH); D 101.7, is D OK Ada KTEEN no net (OK); Y (93.3); is E  
OK Broken Arrow KMYO (now KSNF) i (OK)  
OR 92.2, probably is D (ABC Direction)  
OR Central Point KCHC \*91.7 (not 91.3), p. 60  
OR Union K240AN, primary is KBNY, not KUJZ. Add Union K243AA \*96.5, \$, g, KMBI-FM 107.9t  
PA Allentown WMMU \*91.7 (not 89.7), and should be in large type, p. 23  
PA Beaver Falls WGEV no net PA; A \*88.3; is / PA Lehman WFSU \*89.1 (not WPSI), p. 23  
PA Mechanicsburg WKCD T (PA); R 95.9, is R PA Sharpsville WMMG A (PA); R 96.9, is R PA Painesville (not Weynesboro), \*89.7, p. 98  
SC Myrtle Beach WJYR M (SC); A 92.1, is A TN Clinton WNXX no net (TN); S 95.3, no net.  
TN Jackson WJHR 103.1 not 101.3, page 88  
TX Brownwood KOXE ME net (TX); N 101.5, TX Denison KDSQ out of place under TX, and Denison has an extra "I"  
TX Edinburg KBFM A (TX); R (104.1); is R TX Greenville, spelled "Greenville," p. 89  
TX Huntsville KOHU no net (TX); U \*89.3, is no network  
TX Laredo KOYE no net (TX); S (94.9), is S TX Marshall \*91.1 KBWC should be in large type, page 49  
TX Memphis KLSR-FM 105.3, not 105.5, p. 89  
TX Portland KITE no \$ (TX); \$ (105.5), is \$ TX Texarkana KTAL-FM C (TX); A (98.1); C UT Monticello K296AX (KOIX), missing p. 90  
VA Cape Charles (new) 96.1 coverages too high for 490.50 kw—should be 32.72  
VA Charlottesville W257AA primary should be WYFJ, not QYFJ  
VA Hampden Sydney WWHB (no net VA); M \*91.7, is no network  
VA Pennington Gap WSWV-FM 105.5 M (VA); M (105.5), is NBC  
WA Longview K232AA 94.3 (KBIQ) not on p. 91. Also add K280BN 103.9 (KPDG-FM)  
WA Spokane KXLY-FM C (WA); no net 99.9, is CBS  
WA Yakima K212AC, not K212ACK, p. 91.  
WA Wenatchee K276BB list primary, p. 81 as KDKR 93.7 Spokane (seeks KOZI Chelan)  
WV Berkeley Springs WCST 93.5 (not 103.7), page 92.  
WV Bluefield WHAJ 104.5, not 104.9, is on p. / WV Lewisburg WKJC M (WV); E 105.5; is E WV Martinsburg WPMW no \$ and no net (WV), but \$ and not on 92.7, is k, Mutual, Stereo  
WV Green Bay WGBW no net (WV); N \*91.5, is no network  
WI Medford WIGM-FM 99.3 no net (WI); IE on 99.3, is I, mk [Mutual  
WI Washburn WBWA no net (WI); M 105.9, is / WI Jefferson City K280FA 103.9, not 94.5, as listed on p. 93. Add: Jeff City K296AY 107.1 (KTAJ 93.9), p. 93.  
WY Sundance K296AV 107.1 (KOLL 96.9 Gillette WY) omitted.

BC Sorrento CKIR 102.1 (not CHNL-3) CHNL-3 107.1 (not CKIR), p. 94  
MB Winnipeg—reprinted opposite CKWG, p. 94  
MO Boistown (misspelled as "Boicetown"), m  
MO Bon Accord 103.3 CBZC should be added to map, p. 15  
NB Fredericton (not NF) 93.1, p. 105  
ON Deer Lake 90.1, printing error, p. 94  
ON Chibougamau, printed twice and "what does CFB mean?" I listed it twice because CFB stands for Canadian Forces Base, and it's possible the town and the base are in separate areas, with the low-power transmitters possibly not serving each other's areas.  
YT Old Crow given as 88.1 and 88.9— is 88.9.  
BJ Malindi 88.9, p. 57 shows XHGE, p. 96 shows XHFE—XHFE is correct.

**Readers' Reports**  
In Hawaii, KJAD 92.7 & KIPQ 93.5 Lihue are still not on the air; K217AA Waiulua has the best translator coverage in that state. In CA, KKUP \*91.5 Cupertino finally on with 200 w, no plans for Stereo. KTUO \*91.5 So noa on 1 hour per day. KINXN 91.9 Quincy is not K-Nixon, but "Connection," but always used with a singing KNXN ID. Then John Jefferson noted some duplicated FM translator calls. The following remain duplications—as referenced on NTIS microfiche. Maybe John could help "assign" new calls to some of the duplicates, as I have done in the absence of better data.  
K2949 ND Inlay; SD Deadwood K280BA OR Riddle; SD Kadoka K288BU CA Mariopol; UT Randolph K296BA AK Carver Pass; CO Leadville And Ashland WI is K265AM, not W265AM, and Webster NY is W292AH, which John thinks is too high a letter combination to be possible.  
WNYC-AM-FM New York have been on the air 100 years! That's 60 years AM, 40 years FM.



WCXT 105.3 Hart MI regularly getting requests on its toll-free line (1-800-442-9105) from WI areas like Milwaukee and Racine, and MI areas like Traverse City, Mount Pleasant and Holland. Former DXer Al Germond started KARO 101.7 Columbia MO from scratch, with airdate 2-23-83. They do not use an SCA, though plan to do so in the future. They're on 24 hours from Bonneville's "Matched-Flow" easy-listening music and have CBS. He promises to verify DX reports, at ZIP 52651. Bill Maher notes that WKDN 106.9 is using a dual Camden-Philadelphia ID, including translator W249AA in the Lancaster-Lebanon area, and says "We could sure use a WKDN translator in Bridgeton; WSNJ is right next to it on the dial and drops out on all but the best quality radios." Actually, you've got 800 kHz separation, so the spacing on the dial is not acute. Maybe history can go backward—I can remember when WSNJ-FM was on 98.1  
"Boy am I angry with you! You sent me your catalog one month late! I just bought a Magnum 95 FM power sleet from the only dealer in town for 200.00 plus tax! It was worth it, but you have a much better deal," writes J. S. of FL. WNYC \*91.1 Norwich CT has no local studio, relaying WPBH 90.5 Middlefield. Contributors to be listed next month!

# SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

SOUTHERN FM DX

Jefferson, cont.

DECEMBER 1983

DECEMBER 1983 \*\*Merry Christmas\*\*

DEADLINE: 10th

## DXING IN ALASKA AND HAWAII

John Jefferson, 4016 Crest Ct., Pleasanton, CA 94566

Well, time for an update, I guess, before the August entries get too old. Little that's really unusual to report this time. The highlight has to be the 9/26 MS catch of a full legal ID of KNOT, only the third class A station bagged via MS (& one of those a relog of an earlier Es catch). Due to the scarcity of accessible class b/c targets, I targeted class A's during the Perseids. The result was underwhelming: the above-mentioned relog, but nothing new. I was off to Fairbanks, AK, on business 8/15, so August was somewhat abbreviated. However, do have some notes of interest from that trip, which included vacation time driving in AK and later in Hawaii (on Kauai and Oahu). The trip, incidentally, is why it took me 15 days to log the new K257BE Los Gatos in Pleasanton--just wasn't here! Speaking of the xlator, anyone in CA hearing KKHJ San Francisco or KOTC Sacramento on 99.1 or 99.5 is actually getting K257BE. It picks up K240AH Salinas & the receiver element has problems with the adjacent channels. It's a real pain here; hope they get it fixed soon as it wipes two of my few reasonably open channels.

Anyway, on to the loggings. Unless noted otherwise, all loggings were made here in Pleasanton using the Mac MR80 & \$/Probe-9 at 55' above ground. Underlined are new; dashed underlined are new mode; starred are new to Pleasanton. The 9/14 logging of KSRH was made with the ICF-2001 in the Oakland Hills on Skyline Blvd., not far from where I began the bay area log in 1957, while returning from a visit with relatives. Haven't added one to the Oakland tally since 1974!

8/9 Es		8/29 gw (in Pleasanton)	
1006 KNEW 94.7 NE Norfolk, calls	1290	2300*K257BE 99.3 CA Los Gatos	11
1008 KSID? 98.7 NE Sidney, b		9/14 gw (in Oakland w/ ICF-2001)	
1009 KHAZ 100.7 WY Cheyenne, 1. ref.	935	1755 KSRH 88.1 CA San Rafael, ID	22
1011 MUF to 103.5		9/15 tr	
1013 KRLN 97.1 NE North Platte, NE wx	1120	2000 K201?? 88.3 CA Marysville, KEAR ID	100
1020 KUSD 89.7 SD Vermillion SD wx	1355	9/26 MS	
1029 KNOR 92.9 NE Scottsbluff, calls	985	0200 KNOT 98.3 AZ Prescott, ID	580
1038 KPMH 99.1 AZ Thatcher, KFM & wx	775	10/9 MS	
1045 KSET 94.7 TX El Paso, calls	970	0504 KDBS 104.7 CA Palm Springs, calls	395
8/12 MS			
1330 KPAN 106.3 TX Hereford, l. refs	1085	10/18 tr	
8/14 gw		2300 KRLJ 92.7 CA Paradise, ID,	140
2250 K257BE 99.3 CA Los Gatos, KAMB ID	16	(over KJAZ)	

As for that AK-HI trip, here are the highlights. On 8/15, during layover in Seattle, noted GJAZ Vancouver now on 96.9. In Anchorage, noted KSKA is now on 91.1, while KKLW is on 104.1 (at 25 kw according to station personnel, and at a new xmitter site). KNIK still on 105.5 despite cp to go to 105.3. On arrival in Fairbanks, noted KAYY 101.1 & the new KQRZ 102.5 were both on (as well as the older KUAC 104.7 and KJNP North Pole at 100.3).

On 8/20, with business complete, headed south for Glennallen. My boss was driving, so could maintain a continuous monitor. KQRZ's coverage is terrible; they were unusable at 40 miles while the others were still solid. Despite crossing the Alaska Range, was able to get intermittent traces of KJNP, KUAC, and (less regularly) KAYY almost to Glennallen. (KQRZ was heard at 170 miles, but that was the only trace of them in over 60 miles.) The lack of any competition on the band has plenty to do with that great reach! The only other signal noted on the drive was AFR 90.5 Fort Greeley, which seems to have a grab-bag format. They got out about 20 miles to the north, less to the south, and once gone were never heard again.

That night in Glennallen, using the ICF-2001, the only semi-usable signal was from KUAC at 195 miles. KGTL 103.5 Homer (255 mi.) was the second-best, fading in and out but IDed without difficulty. The only other ID's came from KSKA & KKLW, both extremely hard to get at 155 miles (but still the best of the Anchorage stations). Something to do with the Chugach Mountains immediately to the east of Anchorage; the signals have to climb 3500' in just a few miles to reach anything to the east. Ten stations noted in all, the only absentees being KQRZ and class A KNIK. Woke up about 3 am & checked the band; all ten were reading full-scale on the meter (on the ICF-2001 that doesn't mean much, but generally guarantees usability) but were very noisy. After a couple minutes, everything returned to normal. Likely my first taste of Au!

The night of 8/22, en route to the Columbia Glacier, stayed the night in Valdez. Heard NOTHING on the FM - not even a whisper. Don't get yourselves transferred up there, guys. It's in such a deep fjord even Es probably would have trouble getting in, and cont.

there's an appalling lack of reasonable targets).

Above Waimea Canyon, Kauai, on 8/25 & again 8/26, noted all Honolulu stations but 10 watt KTUH 90.3 coming in well. (KSHO 96.3 Kailua consistently the best, with KHPR 88.1 usually second). Koas Kealakekua in on 92.1 with b format at 255 miles!; KVIB Makawao barely heard at 94.3 though much closer. KJAD 92.7 & KIPO 93.5 Lihue not heard; they've apparently never come on. Toured Oahu 8/27, confirming K209AA Kahala & K217AA Waialua are on, but K252AP Hawaii Kai & K252AQ Kaneohe are not. K244AD & K221BB Honolulu weren't heard either, but the ICF-2001 was so horribly overloaded in the downtown area that those could've been missed. Honolulu is a pretty big place, so may not have gone near them.

One last note. Was up in Mendocino about 100 miles north of San Francisco in September visiting relatives, and noted that KXGO Arcata was still on 93.5; received K292BL Eureka (KEAR) better one morning with its 1 watt at ca. 1600' aat than KXGO with 250 at 1040'. Those xlaters can get out. Also was getting KCRE 94.3 Crescent City usably at 160 miles, though they're below average terrain!

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 505/396-3251 - 9-3 to 10-31

Equip: used: JVC VT-900, Akai AT-V04 (both digital), JVC VT-700 tuners, Antennacraft 10 els. @65' horz., @25' vert.

9/3 tr		10/16 tr	
1200 WRR 101.1 TX Dallas, c, KTEZ off	368	1010 KNCN 101.3 TX Sinton, r	485
9/19 tr		1017 KROB 99.9 TX Robstown, k, tent.	
2250 KILT 100.3 TX Houston, tent., k		10/17 tr	
2355 KQUE 102.9 TX Houston, tent.		2218 KMLW 97.7 NM Belen, very weak, tropo	
2309 KLLS 100.3 TX San Antonio, calls		bursting	234
9/21 tr		2220 KRSN 98.5 NM Los Alamos	270
0930 KPLN 90.3 TX Plains, k	30	10/18 tr	
10/4 tr		0936 KPLN 90.3 TX Plains, going off air for	
0946 KHUQ 106.7 KS Hugoton, "Q-107-FM, r		antenna repair--indefinite per., back on 10-19	
calls @0950	309	10/23 tr	
0950 KANZ 91.1 KS Garden City	360	0143 KNOE 101.9 LA Monroe, r "FM-102",	645
10/5 tr		very weak	
0935 KBUZ 106.5 KS Arkansas City, calls @41		0201 KHME 106.7 OK Comanche, ID	315
10/6 tr		(re-check, I think KHME is really on 96.7, DB)	
1145 KGSU 91.7 OK Stillwater, talk pgm.,		10/26 tr	
ment. of concert? at "CSU"		2134 KLVF 100.9 NM Las Vegas	210
		10/28 tr	
10/14 Es		2353 KIOC 106.1 TX Orange, r, ads, "K-106-FM	
2135 unID 90.5 west (very brief TV into		w/Night Time America"	595
CA, NV & ID)		10/29 tr	
2257 KCIK 90.7 ID Twin Falls, g	882	0001 KZZB 95.1 TX Beaumont, r, "B-95"	574
2258 KNAQ 92.1 ID Rupert, FB game, ad	842	ms	
10/16 tr		2002 KVTI 91.7 TX Dallas	368
0958 KKED 90.3 TX Corpus Christi, ID	505	10/30 (MST) tr	
1001 KUT 90.5 TX Austin, ID	377	0928 KPSP 98.3 TX Gatesville, ID	345
1007 KOUL 103.7 TX Sinton, "FM-103,	485	10/31 tr	
Cool Country" @1011		2328 KJOJ 106.9 TX Conroe, g	

Nothing terribly exciting here dx-wise. 10-14 Es quite a surprise. Troops starting up a bit. I've been keeping a keen eye on the "weather channel" to try to get in on the beginnings of tropo openings. Seeing as this report will appear in the Dec. VUD--Merry Christmas to everyone and your families, too!

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20815

Mountain DXing. DXpeditions for 1983 season to Keyes Gap, WV, Using Toyota station wagon and its super AM/FM radio with vertical antenna. Parked at the scenic overlook at Keyes Gap, WV. This is on route 9 just over the WV line between Hillsboro, VA and Charles Town. This spot overlooks the Shenandoah River, flowing several hundred feet below. The sign here says Keyes Gap is the historic gateway through the Blue Ridge into the Shenandoah Valley. Did a lot of DXing here in the 60's and returned in 1981 after purchasing the Toyota. All mobile DXing within a 50 mile radius of our home base at Chevy Chase, MD

5/13		6/18	
1030 102.9 WRQG Chuberland, MD, ex-WJSE, 60		0900 91.1 CJRT Toronto, ON, nice signal,	325
letter from station, new owners, 3.5 kw		1010 102.1 WONG DuBois, PA, so,	145
1304 100.1 WPRR Altoona, PA 3 kw	100	1018 102.1 CFNY Brampton, good	325
1139 91.3 WOUB Athens, OH, best distant, 200		1152 103.7 WCCK Erie, PA in & out	145
often good		am 107.3 WDBA Duboise, PA, well atop WRQX, DC	
1145 107.9 WDSY Pittsburgh, PA, no WFSI	140	107.5 WANJ Wheeling WV, good all am	160
1207 99.1 WYQY Ebensburg, PA	100	7/2	
1300 102.1 WMMO Reidsville, NC	230	0941 103.3 WTCR Huntington, WV, in & out	260
		cont...	

(continued on page 34) 7

# NORTHERN FM-DX

Saul Chernos  
79 Ridge Drive  
Toronto Ontario (613)737-0585  
Canada M4T 1B6

December 1983 Merry Xmas & happy New Year.

Report to the great white NORTHERN if your DX is from: AK CT HA ID ME MA NY NH NJ NY ND NE OR PA RI SD VT WA WY CANADA OTHER COUNTRIES. If for some reason you're unsure where to send your report, try HQ or me - I'll forward if you're in doubt.

I've had requests for my taped DX; one minor problem folks - I don't tape it. Sorry! If I'm back at Burnt River next summer, I may, though I'm hoping to spend the summer elsewhere so may have to start afresh.

It's Oct 31 and no reports in three weeks; c'mon peepull! I've only noticed one decent Tr opening tho I haven't checked much. Enough, on with the DX:

Eric Fader - 23-35 Bell Blvd. - Bayside NY 11360

JULY 1983

31 Tr-GW  
1215 WVIA 89.9 PA Scranton my local off  
2330 Coastal Tr developing

AUGUST

1 Tr (mon. AM) (Empire State Bldg lcls off)  
0015 MA-RI relogs like locals: 106.7, 105.1, 105.7, etc...

0025 WMAR 106.5 MD Baltimore calls & "106hits"  
0044 WBEZ 106.7 VA Manassas r

0125 WBSB 104.3 MD Baltimore lcl off  
0138 WYYY 97.9 MD Baltimore lcl off "98 Rock"  
thru WVCD-PA null & o/WJQB-ME

0143 WQNA 107.7 NY Albany "FM Country GNA"  
0154 Wash. DC's on 93.9 & 96.3

0202 WGTB 96.3 MA Nantucket ex-93.5 '40s mx  
0215 WQAT 99.5 DC Wash. o/WJBR-DE, WSSW-MA

1 Es  
1115 Hin (illegible-ed?) at least thru TV6 but no FM IDs.

12 GW  
1452 WHTZ 100.3 NJ Newark new calls and this (misleading) ID verbatim: "WHTZ Newark, N.Y., N.J., and CT's hot rock".

13 GW (WHTZ is pirate) the  
0103 WHOT 91.5 NY Brooklyn w/ jingle "It's 1/2 that makes the difference,, watch this space: Hot 91 and a 1/2" jingle. Oldies music.

14 GW  
0200 WRHU 88.7 NY Hempstead new calls ex/WVHC, "radio Hofstra Univ."

15 GW 98.7  
Empires off again this Monday morning, also WRKS  
Relogs of central PA 106.7, 105.1 to MD 106.5 & ME 97.9

Holes in this report from AUG 2-11, 24-30 as was on trips to CA & Montreal respectively. Bet I missed some good stuff - maybe on AUG 25? 73's Africa.  
(Ed. I was in NYC on 25 & all locals off & Tr from Africa was in; so sorry you missed it!)

Pete Taylor - 2614 Jackson St. - San Fran, CA 94115 VISITING VT, MA.

We vacationed in Norwich VT & Martha's Vineyard MA AUG 14-30. Using our hosts' in-house gear, I guess VT Burlington WEFZ 92.9 & WVPF 107.9 // WVPR 89.5 were farthest from Norwich. From the Vineyard, WABE 95.9 Ft. Pleasant NJ in for brief spell AUG 25; never was a sign of WATD MA Marshfield on this freq. WVEO 89.1 Concord NH was semi-regular. An UnID mostly // to WGBH 89.7 often hrd 89.3. Surprises to this western DXer were WSBH 95.3 & WOTB 107.1, both regulars. Local WGTB 96.3 off 28 AUG near 3 PM netting WTTIC 96.5 CT & WRSR 96.1. And, as usual, a tip of the yagi to Bruce Elving for Atlas #8 which got a good workout on this trip. Now back to S.F. with my line-of-sight friends, Mts. Sutro, Beacon, & San Bruno, all peering in and providing a constant DXchallenge.....

(ed: thankx for the bandscans you did in Toronto when you were here awhile back. 100.3 may be PA they're k, & 100.3 NY state prob 100.5 WVOR NY (easy). If you or anywun up this way, lemme know. The bandscans have proven most useful, Pete.)

Technics SA-410, Archer Rabbit Ears.

AUGUST cont.

16 Tr  
0108 WSKG 89.3 NY Binghamton c s-off  
0110 MA-CT general Tropospheric Enhancemnt

16 GW  
1908 WHPM 89.1 NJ Trenton c ID  
17 Tr

0000 WMY5 98.1 MA New Bedford unnullable!  
0010 WCIW 101.9 MA Falmouth thru lcl, A/C

(editor's note: d'ya mean Adult Contemporary? That's a big term up in Canada & it is "Hit radio" top forty format, adhering to the pop charts like our fingers do to a radio knob. I THINK Bruce Elving's r is the most appropriate category, tho there's a difference-slight)

0024 WQRC 99.9 MA Barnstable  
0045 WERI 103.7 RI Westerly, very rare for ? reason; not hrd in YEARS!

0045 WHTT 103.3 MA Boston  
0113 WCMR 91.9 MA Provincetown p (ed: that's Ernie Cooper's outfit that he participates in; anyone hear him?)

0115 Virtually all channels had New Englanders.

0135 WBJC 91.5 MD Baltimore - the exception.

0143 WMBE 107.1 NY Hampton Bays m in mess  
0205 opening dying.

25 Tr  
DX from motel in COLONIE NY near Albany.  
WBLI 106.1 NY, WVEZ 99.9 CT & WHJY 94.1 RI all in well at 0110.

NORTHERN FM DX (2)

December 1983

Frank Merrill - P.O.Box 7207 - Toledo OH 43615 DX on US 281, 3 1/2 mi. N. of Carrington ND

Pioneer Supertuner car radio - Times CDT.

JUNE 1983

26 Es  
2340 XHJct 91.5 BC Mexicali ) "La Hora Me-  
2340 XHMPT 92.3 BC Mexicali ) xicana"; all  
2348 XHIST 90.3 BC Tijuana ) MX must carry  
2350 KOZN 99.3 CA Imperial Wolfman Jack  
promos ments Imperial.

2358 KOPA 100.7 AZ Scottsdale "Kopa" contest  
2400 KUDO 93.1 NV Las Vegas ID Plaza Hotel  
2400 KUNV 91.5 NV Las Vegas ID p(NEWWAVE)

(Ed: Frank, sorry I've not got yer TVO sked to you yet; I haven't been in Toronto on weekday when I could vizeit. I hope to stay in T.O. awhile near Xmas & will try).

(Frank, also what do you mean by "Residual Solar Scatter; I had weak FM ES 2018 to Lubbock TX which makes sense per your stuff...but how would residual traces of twilight at midnite (whatever those are) affect E-Layer activity? Nice going on that ungodly hour Es, tho!)(-ed)

Joe Fela - 150 Robert Place - So.Plainfield NJ 07080 EDT & LISTED

JULY 5 Es

1944 WFUZ 93.7 FL Ocala  
1949 WGOV 92.9 GA Valdosta k  
1959 WGSN 94.9 FL Tallahassee k

11 Tr  
2100-2400 Weak inland with the like of WQIX 100.9 & WKFM 104.7 NY & WHOM NH 94.9 & WDEA 107.3 PA & WHOU 97.3 NY.

2302 WZZG 100.9 NY N.Syracuse r "Sky-101" (ed: you heard rite calls & slogan) WCOM, WOEZ in also.

24 Es

1012 WJMG 92.1 MS Hattiesburg  
1049 WJMI 99.7 MS Jackson s "JMI"  
1052 WJRK 107.9 FL W. Palm Bch "Country K"  
1101 WAIA 97.3 FL Miami legal ID, r, "A-1-A"

1119 WYOR 105.1 FL Coral Gables "Easy 105 FM" over local WRFM

1124 WSHE 103.5 FL Ft Lauderdale r o/lcl WAPP  
1128 WLYF 101.5 FL Miami ads b  
1135 WHYI 100.7 FL Ft Lauderdale r "Y-100"

1136 100.1 WEEJ FL Port Charlotte ads ID  
1141 WKPX 88.5 FL Sunrise r professional-sounding jingles w/very UNprofessional sounding female ancr.

1159 WRYO 98.5 FL Crystal River g  
1202 WQXM 97.9 FL Clearwater r "Rock 98" tough, only breaking over lcl WEVD a bit.

27 Es  
0002 KSUB 92.5 UT Cedar City s-off  
0014 KOMP 92.3 NV Las Vegas U. of Las V. prgm  
0015 KORK 97.1 NV L.V. "Stay with FM97, KORK"  
0018 KDOL 97.7 CA Mojave Paul Haney "Rest of the story" promo

0020 94.1 b; 95.5 g from Henderson NV (ED: Shame on you! Pete Taylor traveled with HIS FM Atlas and he had no UNIDs. You had, if your QTH references were accurate, KXTZ and KIILA. as for 0023 92.7 b ...?)

0110 g 96.5 KHIS?; 0200 k 92.3 KEZC?  
27 Tr 0200 95.1 KSDY MT Sidney 220 mi. furthest Tr heard; weak.

24 Es ... later in day...  
1829 WKPX 88.5 FL Sunrise still r with a better sounding announcer-DJ.

1858 WGLF 104.1 FL Tallahassee r  
1910 WATV 96.9 FL Jacksonville Wave  
1947 WBLX 92.9 AL Mobile s

27 Tr  
2100-2400 fair Norfolk VA type opening.  
2251 WHYC 88.5 NC Swan Quarter s s-off near 2300

30 Tr  
0023 WMOQ 100.9 NC Wilmington k "Double-Q-101"

31 Tr  
0900 WMAR 106.5 MD Baltimore "Hot Hits" r ex-WRLX.

AUGUST 26 Tr  
0759 WKPE 89.7 NC Raleigh c ID, then BBC nx live off shortwave (ed: a few do that; CJRT and CKCU to name a few here)

0805 WZYZ 100.9 NC Fairmont r "Z-101" ads  
0810 WDSG 92.9 SC Dillon old r, "93" amazing-ly strong signal, "Carolina's FM".

0812 WKNC 88.1 NC Raleigh r "KNC"  
0852 WHSL 97.3 NC Wilmington r ID

To the purists out there who prefer a legal ID: WHTZ 100.3 NJ Newark plays games with its legal ID. Mostly, its been given anywhere from 5 to 12 minutes before the hour, with Newark buried as much as possible in the ID. On the hour, however, an ersatz legal "Z100 N.Y. City" 73's

Robert S. Ross - Box 4373 Stn C - London ONT CAN N5W 5J2 VE3JFC edt times Marantz 2226

AUGUST 17 Tr

0100 WEMU 89.1 MI Ypsilanti  
0109 WNNW 98.5 MI Coldwater  
0203 WNY5 104.1 NY Buffalo

0207 WFSE 88.9 PA Edinboro  
0213 89.5 WCMU MI Mt Pleasant  
0246 WBCI 90.3 IN Fort Wayne -ed)

0115(?) CKLN 88.1 ON Toronto(50 watts  
25 Tr  
0030 WAUP 88.1 OH Akron

26 Tr

0025 WCTE 91.3 OH Toledo  
Sept 9 Tr  
0347 WKSJ 89.7 OH Kent

0401 WCSB 89.3 OH Cleveland  
0406 WNIC 100.3 MI Dearborn  
0412 CKQT 94.9 ON Oshawa

0418 WKDD 96.5 OH Akron  
0422 WJLB 97.9 MI Detroit  
0430 WNCO 101.3 OH Ashland

\*\*\*\*\*  
NEXT MONTH I'LL TYPE  
REPORTS FROM DAN OET-  
TING, FRED MCCORMACK,  
MIKE BUGAJ & ERNIE  
COOPER. Got to take  
time to study for exams  
so I can pass, get my  
degree, earn pay dues!  
\*\*\*\*\*

If your name isn't in the box on the right and you sent a report before Sept 20 or so, let me know. They say the PO loses 1/10 letters & I'm wondering what's been lost if at all. DX has been pitifully dead since Oct 1 where even in the Ottawa valley I got Buffalo NY etc... at over 200 miles. This lack of Tr seems to be widespread, too.

Enuf; I'd like to wish you all a happy and safe holiday season. Peace, Saul.

### FM SCOREBOARD

Dxer, Location	Rank	Total	88-92	Es	MS	AU	USA	CN	MX	PO	TEU	YB	As of
Danny Buntin, Stillwater OK	1	1554	235	898	3	0	48+	5	9	2	65	74	9/2/83
Pat Dyer, San Antonio TX	2	1518	204	1239	23	0	41+	3	7	3	54	70	1/1/82
Bruce Klving, Duluth MN	3	1491	213	1231	8	7	44+	3	1	0	49	48	9/7/83
John Ebeling, Bloomington MN	4	1388	210	788	38	78	47+	4	5	0	57	52	1/1/83
Ralph Strobel, Muncie IN	5	1212	321	219	35	4	38+	3	1	1	43	72	10/27/83
Fred Nordquist, Clay NY	6	1198	191	576	28	56	39+	5	0	2	47	69	9/10/83
Mike Bugaj, Enfield CT	7	1159	140	629	7	21	37+	3	0	1	42	74	12/14/82
Peter Sawatsky, Guelph ON	8	1088	167	500	112	6	38+	7	0	1	47	71	12/22/82
Tim McVey, Bolivar TN	9	1075	151	392	1	1	42	5	11	1	59	77	7/1/83
Fred McCormack, Des Lacs ND	10	1074	137	801	25	85	44+	6	4	0	55	65	7/2/83
Jim Pissi, Lovington NH	11	1023	174	810	8	0	38	5	13	3	57	81	10/6/83
Bob Seybold, Dunkirk NY	12	1011	149	510	0	0	40	6	2	0	48	50	8/8/82
Joseph Fala, S. Plainfield NJ	13	997	199	484	2	9	37+	5	0	3	46	68	5/29/83
David Wisman, Akron NY	14	861	222	188	28	18	40+	7	0	2	50	59	6/23/83
Hank Holbrook, Chevy Chase MD	15	787V	187	208	15	0	35+	5	0	3	44	59	5/8/83
Saul Chernos, Burnt River ON	16	768	114	414	48	70	37+	7	0	0	45	77	4/16/83
Fred McCormack, Fargo ND	17	763	88	490	3	47	47+	4	2	0	54	74	7/4/83
John Jefferson, Pleasanton CA	18	743	153	411	122	0	23	4	4	0	31	57	10/9/83
Jeff Kadet, Macomb IL	19	609	114	55	4	0	32+	3	0	0	36	83	9/28/83
Richard Steinberger, Hudson MA	20	607	130	266	12	6	34+	4	0	0	39	58	6/25/82
Joseph Smith, Johnson City NY	21	602	79	164	0	0	34+	2	0	1	38	71	6/15/82
Daniel Oetting, Broomall PA	22	540	127	181	1	3	30+	5	0	0	36	77	4/20/83
Ken Simon, Lake Worth FL	23	528	145	429	0	0	34+	2	2	8	47	66	9/10/83
John Ebeling, Prosser MN	24	513	86	241	2	5	40+	7	0	0	48	75	1/1/83
Alan Michalek, Springfield MA	25	451	51	244	0	0	36	4	0	0	40	52	7/25/83
Jim Ayers, Hurfreesboro TN	26	448	73	18	1	0	27	1	1	0	29	81	2/12/82
David O'Dell, Little Rock AR	27	367	39	112	0	0	40+	4	1	0	46	80	9/23/82
Mike Hogan, Burnham IL	28	309	60	32	0	0	24	1	0	0	25	76	7/31/83
Bob Schweitzer, E. Brunswick NJ	29	234	75	7	0	0	11+	0	0	0	12	77	9/3/83
Robert Ross, London ON	30	204	43	19	0	0	14	1	0	0	15	76	2/1/83
Frank Wheeler, Erie PA	32	148	17	3	0	0	7	1	0	0	8	64	10/10/83
Emald Purdue, Byron MN	34	156	2	95	0	0	20+	0	2	0	23	81	6/25/83
William Hepburn, Niagara Falls ON	33	136	47	35	0	0	18+	1	0	0	20	70	10/24/83
Bob Schweitzer, Old Bridge NJ	34	121	32	0	0	0	9+	0	0	0	10	82	9/3/83

V=Verified (QSL)

FM Scoreboard definitions are explained in the Sept 83 VUD, page 45. Some personal comments about FM Statistics column.....I hold no position on inclusion vs. exclusion of totals in the various FM DX columns... so I will go along with whatever the majority of the members decide on this issue. Regarding my policy --- the STATES STATS and FM Scoreboard will only include club members' entries that I feel are sufficiently validated. Therefore I periodically drop ex-members' entries after checking the membership lists. However, the ALL-TIME FM DISTANCE RECORDS do have all members/ex-members' entries that are valid records... I have removed only one of the ex-member's entries due to a number of questionable records and lack of credible backup data. Propagation modes must be reasonably clear to the DXers, as well as the DXer being able to provide verifiable data such as date, time, and clearly identifiable program data for the station claimed to be heard.

Column contributors' comments: John Ebeling provided an interesting copy of a QSL letter from IRT-94, Q who Monterrey N.L., attesting to his reception on 5/30/61 from Minneapolis MN on that even frequency. David Wisman reported his mileage stats as follows:  
Miles # Logged If any of you others have your FM statistics on a computer file, it could be rather easy for you to quickly compile this data with a special subroutine.  
0501-1000 108 Frank Merrill suggested that we highlight in our statistics records the closest Es logged. Several of Tim McVey's Es catches in Apr 83  
1001-1500 122 VUD are good examples - with 475 mi. skip into OK.  
1501-2000 3  
2001-2500 0  
Robert Schweitzer reported reception of 2 FM Translators to date. If others have logged these flea-powered stations - why not send in your stats & I'll list them. Hank Holbrook has suggested listing totals for FM QSLs in the FM Scoreboard. Glen Hauser wrote concerning keeping old FM distance records regardless of current station status... which I agree. Dave Hascoll suggested that the FM Scoreboard be alternatively ranked by the various column categories (Sure wish I had a computer/word processor!). Ron Purdue reported that his longest Es DX is W1ZD 98.7 (1338mi) & Tr - W1TF 92.9 (336). Send in your individual farthest Es, Tr, MS, & Au catches & I'll feature them in this column as space permits. Again thanks to you-all for continuing support of FM Statistics over the years!

73 - Fred.

# CENTRAL FM DX

Ralph Strobel, editor  
2300 E. McCalliard Rd.  
Muncie, Indiana 47303  
Deadline: the 7th

December 1983

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

### SUMMER E-SKIP STILL BEING REPORTED

Patrick Durkin, Jr. - 1940 Oakdale Ave. #305 - West St. Paul, MN 55118  
Equipment: GE Superadio w/whip antenna, or Pioneer SX-850 with dipole antenna at 35 ft. (ceiling of 3rd floor apartment). In West Allis, WI Pioneer SX-850 is used with Winegard CH-6065 w/rotor at 30 ft. Time used: GDT/CST. Report covers 5/26-11/1/83.

#### From West Allis, WI

6/9	Es	1540	KRWN	92.9	NM Farmington, "Crown"	1140
		1545	KSBJ	88.1	TX Humble	980

#### From West St. Paul, MN

5/26	Es	1938	WLJS	91.9	AL Jacksonville, "92-J"	850
		1951	WEXP	91.5	AL Gadsden	840
6/22	tr	0100	KHKE	89.5	IA Cedar Falls	165
7/17	tr	2327	KJJK	96.5	MN Fergus Falls	180
		2333	KBRF	103.3	MN Fergus Falls	180
		2346	KLFD	95.3	MN Litchfield, rare	70
8/3	tr	0015	KKRC	93.5	SD Sioux Falls	200
8/8	tr	0001	KHKE	89.5	IA Cedar Falls, s/off	165
		0015	KXLV	105.5	MN Cambridge, ex-KABG	
		0017	KFMW	107.9	IA Waterloo, new r format, instead of b	
8/19	Great	2300	KFSI	88.5	MN Rochester, o/local KBEM	65
	Tr	2305	WDOR	93.9	WI Sturgeon Bay	280
		2307	WLST	95.1	WI Marinette	265
		2315	WKBC	105.9	MI Charlevoix	380
		2320	KLOE	98.7	MN Pipestone	170
		2326	KDLO	96.9	SD Watertown	195
		2329	WKAU	104.9	WI Kaukauna	240
		2336	WDDC	100.1	WI Portage	200
		2341	W1XX	101.1	WI Green Bay	250
		2359	WJTY	88.1	WI Lancaster, g, s/off	180
8/20	Great	0006	WKJF	92.9	MI Cadillac, s/off	380
	Tr	0015	WMBN	96.3	MI Petoskey, "Michigan's Beautiful North"	395
		0025	WWRM	106.7	MI Gaylord, "Warm-107"	405
		0100	Milwaukee FM's	96.5	WMLL-106.1, WZUU-95.7, WVCY-107.7, WEZW-103.7	280
		0127	WLPX	97.3	MI Bay City	460
		0159	WBNN	96.1	MI Mt. Pleasant, full ID	415
		0200	WKPL	107.1	WI Platteville, ex-WSWW	190
		0221	WMAD	92.1	WI Sun Prairie	220
		0234	WQFL	100.9	IL Rockford	265
		0246	KIOV	104.7	SD Sioux Falls	200
		0301	WLOO	100.3	IL Chicago	340
		0317	WBBM	96.3	IL Chicago, "B-96"	340
		0319	WLUP	97.9	IL Chicago, "The Loop"	340
		0325	WGCI	107.5	IL Chicago	340
		0329	KBBG	88.1	IA Waterloo	165
10/23	tr	1800	KLQL	101.1	MN Luverne, ex-KQAD, ex-100.9	175
		1805	KKAX	104.9	MN St. James, ex-KKKA	95
		1906	KQAA	94.9	SD Aberdeen, "KQ-95"	270
		1918	KNEN	94.7	NE Norfolk	290
		1930	KCGN	101.5	MN Ortonville, g, new	170
		1959	KVSC	88.1	MN St. Cloud	75
		2328	KIXX	96.1	SD Watertown	195
10/24	tr	0000	KWIT	90.3	IA Sioux City	230
		0016	KVOX	99.9	MN Moorhead, "K-100," full ID	225
		0109	KRGI	96.5	NE Grand Island, "Continuous k 96"	375
		0116	KROA	95.7	NE Grand Island, g	375
		0130	KGOR	99.9	NE Omaha, previously via MS	285
10/30	tr	1900	KDNW	90.5	MN Duluth, new, g	145

(Remarks Continued)

I haven't been able to DX as much as I'd like to the past six months, mostly because I was out of town about half the time since May, and gone most of August and September. From reading the VUD, it looks like I missed a few nice Es openings. Didn't see much Es (on FM) at all this summer.

However, I was home during the super tropo opening of August 19-20. Many of the stations I received that night would have been DX from my former West Allis, WI location! The morning of August 20th, I was receiving South Bend, Indiana UHF stations on my TV with only a bowtie antenna. I see in the VUD that the opening stretched all the way to Muncie, too. The tr opening of October 23-24 wasn't bad, either. Stations I received were deep into SD and NE, and were the most distant tr stations I've received from that direction (west and SW). Also received many new stations, as the FM dial here in Minnesota becomes more and more crowded. And finally, Ralph, I wanted to explain a few things about WOJB-88.9, a station I hear frequently, after reading your report in the Oct. VUD: The station is run by the Lac Court Oreilles Indian Reservation, with studios in Reserve, WI (as you mentioned), which is on the reservation. However, the city of license is Hayward, and the transmitter is actually located 10 mi. S of Hayward and 6 mi. W of Reserve. I've heard WOJB ID as either Hayward or Reserve.

In the next six months I hope to be moving to a new house in this area, which means I'll be able to put up some outdoor TV and FM antennas and do some really serious DXing. Dipole and whip antennas just don't make it sometimes. Well, enough blabbing. I'll report again soon.

+++++

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

Thought I should compile and submit what may be, based on current DX conditions, my last report for 1983. The year has not, in my opinion, been an outstanding one by any means. There were some good Es openings, but not as prolonged or as stable as openings I can recall from the mid sixties. Perhaps the band is so crowded now as to prevent hours long reception of the same station(s).

Even the tropo have not been as good in the past few years as they were "back then." I did have a good tropo opening the other day to Southern WI and Northern IL in which four stations were fighting it out for dominance on 88.1: KVSC St. Cloud, MN; KBBG Waterloo, IA; WETN Wheaton, IL and WJTY Lancaster. Managed to log the last two as new. Enough of the verbage-let us get to the "DX" logged since late July.

From the home base in Bloomington, MN:	8/18 tr 2330 WDLM 89.3 IL East Moline
7/27 Es 1100 WKEZ 94.1 VA Yorktown	10/14 tr 2000 WETN 88.1 IL Wheaton
tr 1603 KLOP 92.1 MN Madison	2100 WJTY 88.1 WI Lancaster
8/12 tr 1630 KDNW 90.5 MN Duluth	From the cabin at Prosit, MN:
1700 KKBKJ 103.7 MN Bemidji	8/7 tr 1900 KKBKJ 103.7 MN Bemidji
8/15 tr 2315 KKYA 93.1 SD Yankton	9/2 tr 2158 WXPB 91.7 WI Rhineland
8/16 tr 2359 KFJM 89.3 ND Grand Forks	9/3 tr 2300 CBON 97.3 ON Nipigon, (CBON-24), (French)
8/18 tr 1600 KOLV 101.7 MN Olivia	9/25 tr 1322 KFMW 107.9 IA Waterloo-CR
1700 WJNR 101.5 MI Iron Mountain	Until next time. Regards, John

+++++

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

10/6 tr 0643 WCXL 89.3 OH Dayton, g, s/off (Previously logged on 88.7)	10/10 tr 0625 KMZU 101.1 MO Carrollton, call letters, local weather	100	430
0645 WDFB 89.3 OH Dayton, r, s/on (Shares time with WCXL)	10/10 GW 2000 WXXT 105.3 MI Hart, r, ID, "X-105," (new station)	100	190
10/9 tr 2200 KWFM 93.9 MO West Plains, ID	10/22 MS 0204 WITN 93.3 NC Washington, "...WITN 93..."	440	570
2225 KWTO 98.7 MO Springfield, local promo	10/23 MS 0339 WSNE 93.3 MA Taunton, "...32 degrees at WSNE..."	480	715
10/10 tr 0028 KZZC 98.9 KS Leavenworth, r, ID	0410 WQCK 93.3 GA Manchester, (tent.) Promo for free concert at Weracoba Park in Columbus, GA.	490	510
0030 KLSI 93.3 MO Kansas City, r, ID, "classy"	10/24 tr 0050 KGRS 107.3 IA Burlington, call letters	480	290
0100 KBEQ 104.3 MO Kansas City, r, ID		480	
0614 KZRO 104.3 AR Marshall, local news, call letters		510	
0622 KJEL 103.7 MO Lebanon, k, call letters, local ad, "K-Jel"		440	

(Remarks Continued)

I have very close to 1000 FM stations logged from this location and hopefully will surpass that by the end of the year. Some interesting meteor scatter this month, and I've been trying to figure out some way of recording this stuff without having to wake up and change the cassette every hour. (I don't have a reel to reel recorder). Has anyone out there ever tried connecting his FM tuner to the audio input jack on a VCR? This would, theoretically, allow six hours of uninterrupted recording. I would be interested to know if anybody has tried this and what were the results.

+++++

Frank Merrill - P.O. Box 7207 - Toledo, OH 43615

12/1/82 tr WBGL 91.7 IL Champaign, 2400 ID, WUOM off	250
12/4 tr WRGU 90.1 NY Hamilton, 2200 ID, Weak!! sports scores	400
12/18 tr All relogs: 0200-0300 + WXBQ-96.9 TN 380, WHAJ-104.5 WV 330, WSGS-101.1 KY testing 310, WSLQ-99.1 VA 410, WUOT-91.9 TN 400, WIVK-107.7 TN 400, W257AB-99.3 110.	
2/13/83 tr WIGR 88.7 IN Indianapolis, 1245 voice ID by all announcers.	
2/14 tr WZZY 98.3 IN Winchester, noted with new calls 0105.	
5/17 Au From NNE 1730, from N by 1735, faded soon. Nothing IDable. NPR 88.1, 88.5, 88.9, 89.3, 91.9.	
6/9 Es KODK 92.7 TX Kingsville, 1827, relog XHAAA-93.1 1829, KTXN-98.7 b, 1838	
KRSN 98.5 NM Los Alamos, 1839, power outages, other local	
KBCB 99.1 TX Corpus Christi, 1850 local ad, "K-99," k	
KROB 99.9 TX Robstown, 1903 S. TX wx, locally 840, thru local, wx details/song playing per phone, k	
KCRT 92.7 CO Trinidad, 2035 legal ID & "T-93," guessed who and called, asking for legal ID which was 2035.	
KRTN 94.3 NM Raton, 2043 local/co./state nx on KRTN	
KWYK 94.9 NM Farmington, 2055 \$ FM "95-Quick," four corners ad.	
KRZE 96.9 during same time.	
KRWN 92.9 NM Farmington, 2056 Farmington Motors, "FM-93 non-ID.	
KNMI 88.9 NM Farmington, 2105 s/off, 0600 s/on, 410 watts	
KYQX 101.3 CO Durango, 2111 r, "Kicks-101," mentioned Durango.	
KRSJ 100.5 CO Durango, 2113, Checking KRSJ's weekend calendar.	
KKMG 98.9 CO Pueblo, and KCCY Pueblo, relogs	
KKOK 94.1 CO Montrose, 2130, "...Montrose, FM-94, Kicks Country"	
KWDE 96.1 CO Montrose, 2136, "FM-96" and went from Ronnie Milsap to Brook Benton song, let phone ring 30 to 35 songs; he finally answered and said yes!	
6/18 Es WKPX 88.5 FL Sunrise, 1141 jingle and oldies. Other S. FL's: 89.7, 90.7, 93.1, 93.9, and 94.9.	
6/22 Es Houston's 93.7, 94.5, 105.7 (still need to log this) and lots of unID's 88.7, 94.1, 97.7, 99.1 etc.	
KHYS 98.5 TX Port Arthur, 1350 "Kiss-98" promo, etc.	
KAYD 97.5 TX Beaumont, 1353 local ads	
8/18 tr CBSM 89.5 ON Sault Ste. Marie, 1505 CBC programs, from due north only, WCMU off!! for some reason	380
8/19 tr WGNR 88.9 MI Grand Rapids, 1508 talk about Grand Rapids, g, ID	140
tr WPKY 97.9 NY Rochester, 0440 Monroe County; Here at "PKY"	330
WHUG 101.7 NY Jamestown, relog, noted with k	
WJIV 101.9 NY Cherry Valley, (tentative), 0455 Jerry Falwell	
WOUR 96.9 NY Utica, (tentative); CCI 98.7 and 104.3. (I plan to call all the 101.9's to see if anybody besides WJIV would've had Falwell).	
WRVO 89.9 NY Oswego, 0532, Parallel per phone call, j	410
WHCU 97.3 NY Ithaca, 0545, Ithaca wx, ID later (At last, the eastern opening I've awaited, but now that I have the first good shot in 15 years at WVER - 93.5, I now have NSP local WRQN which ruined any chance - DRAT!)	390
WRRN 92.3 PA Warren, 0605, 70/21° downtown at WNAE/WRRN-FM	250
WBFO 88.7 NY Buffalo, 0955 local trivia quiz and local PSA, o/CJOM	280
8/20 tr WJTY 88.1 WI Lancaster, 1030, "...bringing the good news of the gospel to the tri-state...WJTY..."	370
WAXX 104.5 WI EauClaire, 1052 jingle: EauClaire k, WAXX	460
WOJB 88.9 WI Reserve, 1101, ID as Reserve	500
WWJR 97.8 WI Sheboygan, & WTMB 98.6 WI Tomah, both noted off freq. (Not counted as new).	

(Continued)

8/20/83	tr	unID	94.3 ?? ?, 1140, noted weak OC from approx. Traverse City direction	
		WGLQ	97.1 MI Escanaba, 1150, 61° in Escanaba at "97-GLQ"	320
		WJMC	96.3 WI Rice Lake, 1217, Badger Country wx forecast	510
		WLSW	103.9 PA Scottsdale, 2334, "WLSW Scottsdale, with more FM-104," (HUH?) Staemens ID break, o/WLEN (20 mi.), one of best tr catches, 329 watts.	280
8/21	tr	WJCF	100.9 WV Westover/Morgantown, 0101, Editorial, thanking people for listening - b format	250
		WLER	97.7 PA Butler, 0204, "Magic-98" non-ID and Fogelberg song, phone verified, boring automation	200
		WZRD	88.3 IL Chicago, 0458, "WZRD Chicago" uttered without warning over p song.	215
		WCXL	89.3 OH Dayton, 0530 ID, thanx Ralph! (I called Frank-RS)	150
		CBON	88.1 ON Sault Ste. Marie, 0600 s/on in French, though had been playing music earlier. (testing?)	380
		WMBN	96.3 MI Petoskey, 0612, "Summer is always b, with WMBN"	290
		WDMK	93.1 MI Iron Mountain, 0946 ID, k	360
		WJNR	101.5 MI Iron Mountain, 1016 got ID on tape through local WLQR!	360
		WPKX	104.7 MI Escanaba, 1043, k, ID/promo	320
8/24	tr	WPIT	101.5 PA Pittsburgh, 0600, "WPIT-FM Pittsburgh" through local#	210
9/26	tr	WGHQ	97.1 MI WKHQ-105.9, WBNZ-99.3 etc. (relogs)	
10/8	tr	WCVZ	92.7 OH Zanesville, 0140, g, \$, asking people to phone 455-3181 if they like contemporary g, obviously new	150
10/10	tr	KUMR	88.5 MO (500), KWPM 93.9 (540) relogs, and Springfield TV (600) tipped me off. Nothing great on FM until sunrise:	
		KJEL	103.7 MO Lebanon, 0753, blasty, "K-Jel" liberally	520
		KCUR	89.3 MO Kansas City, 0800 ID after Morning Edition; A <u>most</u> wanted, as <u>missed</u> previously twice on tr and once on Es.	600
		KMFL	102.9 MO Marshall, 0815 MO/local nx; ID	540
		KTXV	106.9 MO Jefferson City, 0851 wx, KTXV ID, <u>exceedingly</u> tough due to WMRI (115) in same direction.	510
		KMZU	101.1 MO Carrollton, 0905 ID, local ads	510
		KKUZ	102.5 MO Joplin, 0912, Ozark Sheet Metal	670
		KPTS	94.7 MO Springfield, 1042 local ad, jingle, ULTRA-tough due to WMJC and WFBQ.	600
			Tentatives: KSOZ-91.7, KOPN-89.5, (WNIU destroyed it), and some CGI on 90.3 with WBCL Ft. Wayne, IN. (KBFL?)	
		WCKX	105.3 MI Hart, 1737 macho local contest	190

In August, I had my FM lead-in changed from Belden 8290 twin-lead (300Ω) to Belden 9104 braided coax (75Ω). A comparison seemed to note NO difference AT ALL in signal strength. However, it is now very much easier to dismantle my McIntosh MR-78 setup (and put it in a locked place) when I'm leaving town for a few days, and even much easier to hook it back up. Those "push-pins" for the 300 are hard to work with! The 10/10 was maybe the most perfect example of a classic DUCT that I have ever encountered, with many stations noted in the 500-600 mile range, but only nominal improvement on the nearer stations. On TV, semi-local WKJG-33 (80 miles) was being destroyed by KSPR Springfield, MO (600) in exactly the same direction. There will probably be little more good tr this season, but I'm considering having a second stereo Probe 9 mounted near the top of my 60 foot tower, on a side-arm. I never considered two separate FM antennas before, because the 300-ohm system I was using would have made it almost a prohibitive hassle to switch between antennas. I may have my present rooftop antenna, 25 feet up, mounted sideways (vertical-polarized), as I feel the result may be two very different sets of DX conditions during good tr or Es, due to the different heights and polarizations. Has anybody experimented with such a set-up? Do horizontal and vertical antennas produce two different sets of conditions? Does a higher antenna (60 feet instead of 25 feet) really help during good tr conditions, or am I going to merely find the channels all that much more impossibly clogged by GW semi-locals? I am aware that the higher antenna is normally a hindrance during Es, which makes me wonder how I'd do by also using a lower-height "vertical" stereo Probe 9 to DX on lowband TV when Es is strong. I do know that during Es, the Detroit's on 2 and 4 (70 miles) give me problems, even when Es is from a different direction. Unfortunately, I do note front-to-back ratio of this FM antenna to be poor on TV, particularly on channels 2 and 3. Suggestions, anybody?

+ + + + +

Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303

10/25 tr WLSO 92.7 IN Spencer, 0100 ID, rm\$, "Star-93," on 24 hours, new <sup>73, Ralph</sup> 125MERRY CHRISTMAS AND A HAPPY DXING NEW YEAR TO EVERYONE!!!


# ANTENNA NEWS

Doug Dornbos  
P.O. Box 1288  
Traverse City, MI  
49685-1288

A DX Christmas

December 1983

"... and she brought forth her firstborn son, and wrapped him in swaddling clothes, and laid him in a manger, because there was no room for them in the inn. And there were in the same country shepherds abiding in the field keeping watch over their flock by night... The preacher's words slipped past Warren's ears as he sat in the pew. Christmas morning, the choicest morning of the year except for the anger, the overwhelming anger Warren felt each time he thought of the dreaded afternoon at Uncle John's.

There was a time when as a young boy Warren had held his Uncle John in highest regards, the favorite uncle with all his electronic toys for an inquisitive youth to gaze at. Indeed it was Uncle John who had bought Warren his first radio and who was responsible for the boys unending interest in electronics. But now that Warren was older the truth was plainly evident; John was nothing less than a rich, vulgar, selfish, and conceited man. Warren well knew that the afternoon would be filled with endless tales of yet untold business dealings in which John had taken advantage of yet another unsuspecting businessman. Warren also knew that at least once during the afternoon the language and stories would become purposefully obscene as to make his girlfriend Michelle blush & become squirmish. He unconsciously reached for her hand as if to comfort her in advance.

Why oh why was John so successful? Why was such a jackass like him allowed to own such beautiful equipment? Warren reflected on John's Sequerra tuner, 90 foot tower, and quad-stack of Blonder Tongue FM yagis. He knew too that John would be there waiting for him, to brag ceaselessly about how much it was all worth, how much he had gotten the Sequerra on the black market for, how he had so many stations logged that he doesn't even keep track anymore, and on and on. If only his grandparents didn't expect him to be there..Amen.

Warren looked down at the floor on the way out of the church. He had allowed his anger to ruin the celebration of his Saviour's birthday. He had allowed his hatred to cover up the love that his Lord had brought into his life. He had been cursing under his breath while the minister spoke of unending love and compassion. He felt ashamed.

The tense afternoon was all that was promised. Uncle John's gifts to others were of course more expensive than what the others could possibly afford to return. John's drunken boisterousness filled the air with crude jokes abound-ing. The time to leave was eagerly awaited. Warren counted the minutes to 3:30 when he had told his parents that him & Michelle would be leaving. His grandmother acted even then that he was leaving far too early.

The evening at Michelles was much nicer. The love of family members one for another made Warren feel that the day was at least partially meaningful. Midnight came and went, relatives kissed each other good-bye and went home. Warren sat alone with Michelle for a few moments, kissed her and left.

The northern Minnesota snow crunched loudly under his feet while large white flakes slowly drifted down. The darkness and quietness of the night contrasted with the Christmas lights on the houses that he drove by, like the hollow feeling inside of him contrasted with the greatness of the day. He arrived home to a yet empty house.

Warren crawled into bed and carefully picked up the G.E. Superadio Michelle had given to him for Christmas. If only he had the equipment John had he covetously thought for a moment. But was being rich where it was at? he asked himself. Locals were all he heard across the band except for one station fading in and out very faintly. The house was quiet. Warren shut out the lights. As he layed there drifting into sleep the radio played. Michelles words from earlier that day passed through his mind- "The angels went to the shepherds, the poorest of people. Jesus, the gift of God to the world was born to the poorest of couples. The faint station was clearer now: This is the late night gospel message from...(static)...the power voice of

## A DX Christmas (cont.)

Southern Georgia...(static)..and there were in the same country shepherds abiding in the field, keeping watch over their flock by night. And, lo, the angel of the Lord came upon them, and the glory of the Lord shone round about them: and they were sore afraid. And the angel said unto them, Fear not: for behold, I bring you good tidings of great joy, which shall be to all people. For unto you is born this day in the city of David a Saviour, which is Christ the Lord."

## MEMBERS INPUT

To Jeff Kadet: I'm sorry I can't supply any overload comparisons between the B-T CMAUC and the B-T CMAUB. Does anybody out there have any info for Jeff? As far as the B-T MWT-U notch filter, the trap attenuation is described as follows:

Notch Width	Db of attenuation	Expressed as %
8 Mhz	3	38%
3 Mhz	12	75%
1.8 "	20	approx 90%
.4 Mhz	30	97%
.1 Mhz	40	99%

Since the whole channel (22 in this case if I remember correctly) is only 6 Mhz wide it can be seen that it will be down 3db at least. However since the picture and sound carriers are only 4.5 Mhz apart, with the trap set in between those, about a 6db reduction is possible. Keep in mind that setting the deepest part of the notch exactly on either the sound or the picture will deteriorate the adjacent channel a little bit.

Thanks to William Swiger for your postcard. I appreciate hearing from you very much.

## MAGAZINE ARTICLES \* Kennedy's Term

It is fitting that even as I write this month's column, NBC is running their ads for their special on Kennedy. Where were you when you heard the news on November 22, 1963?


Rotators For TV & FM Antennas	Consumer Reports	Jan '61
Bat's Bat Antenna	Electronic World	Feb '61
FM Antennas: How To Get The Best From Your Tuner	High Fidelity	Apr '61
High Fidelity	Opera News	Apr 1, '61
Interference Tough Dogs	Electronic World	Apr '61
Reducing FM Multipath Distortion	" "	Oct '61
New Broadband TV Antenna	" "	Dec '61
Antennas For FM	High Fidelity	May '62
New Electronic Antennas Pull In Better TV Pictures	Popular Science	Jly '62
Bowtie Antenna Stretches UHF Reception	Popular Mechanics	Aug '62
How To Track Down TV Interference	Popular Science	Aug '62
Reducing Outboard Static	Popular Mechanics	Sep '62
14-83 UHF Converter	Popular Electronics	Oct '62
Design For An All-purpose TV-FM Antenna	Electronics World	Nov '62
Folded Dipoles	Popular Electronics	Dec '62
Here Comes UHF TV	Popular Mechanics	Dec '62
Rotatorless Antennas Can Be Aimed	Electronics World	Dec '62
TV Interference Problems	" "	Dec '62
Powerful New Antenna For TV and FM Too	Popular Science	Mar '63
That Vile Interference	Popular Electronics	Mar '63
Non-miracle At A High Price: Indoor Antenna	Consumer Reports	Apr '63
Power Antenna For Out Yonder	Popular Mechanics	Apr '63
Power Line Antenna Adapter	Popular Electronics	Sep '63
TV's Best Guarded Secret: Electronically Right Length For Rabbit Ears	Aug "	
Antennas For FM-Stereo Reception	Consumers Research Bullitan	Oct '63
Build A Turnstile For Stereo	Popular Electronics	Nov '63
Simple Antenna Boosts FM Reception	Popular Mechanics	Nov '63

## THEORY

"To balance or not to balance, that is the question." - Shakespear

Transmission lines present one of the biggest problems for do-it-yourself antenna installers because they don't really know what's going on. Next month we will discuss impedance & what that involves but this month we will discuss the balanced vs. the unbalanced line. Very simply put, twin-lead is balanced and coax is unbalanced. To understand each is beneficial.

Take a simple dipole for instance as pictured below:

straight type  folded type 

The dipole is made of a straight  $\frac{1}{2}$ -wave element broken in the middle to allow hook-up to the t-line (or in the case of the folded dipole, one half is broken to provide hook-up). It should be obvious that signal in equal amounts is present on both halves, neither side is grounded, they both are considered "hot" as they both carry signal. Since both sides of the antenna are equal we call this a balanced antenna. Since both sides of the t-line are equal we call it a balanced line. When the line hooks up to a receiver it goes to the tuner section which operates with a one wire input and a ground connection. A device called a balun is used to transform the line from balanced to unbalanced. The tuner input is termed unbalanced because all the signal is on one wire and the other wire is grounded (no signal). If the terminals on the outside of the receiver cabinet are for twin lead then the above is true. If the receiver has a coaxial connection then the signal does not have to pass through a balun before the tuner. A typical balun is pictured below: (this is the same whether the balun is one built into the set or if it is one which is added on)



The balanced input feeds a transformer that has its' primary windings grounded in the center. Each of the wires releases its' full energy between the first winding and the center (ground) winding. The secondary windings pick up this released energy but it has one end grounded so it feeds all the energy to one conductor leaving the other, the ground conductor, with no signal. This action can also work in reverse if we need to convert an unbalanced line (coax) to balanced receiver terminals.

At one time twin-lead was all that was readily available for home TV antenna installations. There has been a drifting away from twin-lead however due to the fact that since neither side is grounded and both have signal on them, the signal is apt to be affected by what surrounds the line. For instance if a snow drift surrounds the twin-lead, a large amount of signal will actually leave the twin-lead and go off into the snow. If the balanced line is installed too close to the mast pipe, a large amount of signal will leave the wire and go into the pipe. An invisible thing that surrounds the T-line is electrical interference. Since the signal carrying wires are exposed to this interference, they act as an antenna and pick up the interference. In this case interference is defined as ANY electrical signal that is not picked up by the antenna including out of band transmissions, ignition noise, spurious signals given off by video games, and so on. Also included is the same signal you are trying to receive but coming from a different direction than where your antenna is pointing resulting in a ghost signal.

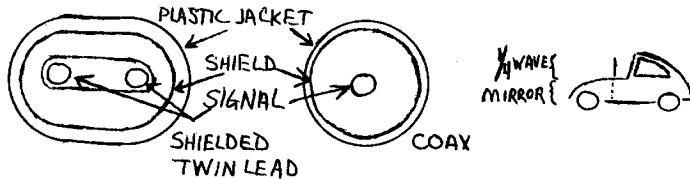
So how does one get rid of these problems? A shield which is grounded is placed around the line as shown. Any snow, rain, interference, metal objects, etc., that might otherwise ruin the signal carrying abilities of the line now cannot come anywhere electrically close to the line, they get grounded out instead. Note that this is still a balanced line. The shield is connected only at one end (the receiver) and has nothing to do with the signal. We can of course use a balun transformer at the antenna and put all the signal on just one wire and keep the shield for ground connecting it also at the balun. Obviously I am talking about coax. Coax is called unbalanced



## Theory (cont.)

because even though the shield needs to be hooked up for the line to work, it does not carry any signal, it is the ground connection. The center conductor carries all the signal, the shield has on it all the electrical interference. The main advantages that coax has to twin-lead in addition to those listed above are that it can be much easier to work with, connections are much more long-lasting, and in some varieties has lower loss even in dry weather. The life expectancy of coax is also much longer.

There are of course antennas which are not balanced all by themselves and so lenc themselves directly to coax. An example is the antenna on your car. This antenna has only one element suspended above a big chunk of metal. The metal automobile appears as a mirror to the antenna so that it believes that its' other half is still there. The car body is also the ground for the system so the shield of the coax is attached directly to it and the center conductor of the cable is connected to the  $\frac{1}{4}$ -wave element.



## CURRENT NEWS

Alliance, besides making rotors also manufactures the Genie brand of garage door openers. They have also recently aquired the Shelton Products Company who manufactures utility vacuum cleaners and will label these with the Genie name also. Alliance is owned by North American Philips who also owns Norelco, Magnavox, Philco, and Sylvania.

As you already know, Winegard has revamped their Chromstar line and their pre-amp line. The main reasons for the total revamp was to eliminate the need for local distributors to stock so many models, improve performance on remaining models, and to become more competitive on pricing. Six "CH" model antennas were eliminated and the number of preamps was cut in half. There will be no more Gold Star series of pre-amps. The new style pre-amp housing will house the existing (older style) AC pre-amps and the AH-0100 housing will be available as well. The new CS antennas sport aileron stubs on the high band directors (similar to Channel Master Crossfire "whiskers") and corner reflectors for UHF. Pricing has dropped 13 to 35% over the old CH series. Similar reductions were made in pre-amp pricing. The new pre-amps show a lower noise figure than previous models. Antenna model numbers are the same for the most part except that the CH is replaced by the prefix CS. Pre-amp numbers are totally different. The replacement for the AC-4990 is the CP-4800.

I recently talked to Mike Timms of MATCO Electronics, P.O. Box 316, Cadillac Michigan 49601. He is now making available his model 523 VHF-UHF scanner pre-amp kit. The gain of this unit is specified at 12 to 20db from 3 to 700Mhz with a noise figure down to 2db. The kit looks quite easy to build and could comfortably be completed in an evenings time. Mike has been producing kits of various kinds for quite some time and does a real nice job. For \$32.95 this should be a good deal. If you order one make sure you tell him that you're a WTFDA member.

FM enthusiasts: January is typically the month which Audio Magazine devotes to FM and FM antennas. Check it out! It should be on your newstand about the end of December.

MERRY CHRISTMAS & HAPPY NEW YEAR!  
-DOUG

# TELEVISION NEWS

AT UHF'S UPPER END: MDS, ITFS, AND OFS.

Before 1963, the 2500-2690 MHz band had been allocated by the FCC to what was then known as the Fixed Service. It was shared by Operational Fixed Service (OFS) and International Control Stations, which used the band for private microwave communications such as multichannel voice and data circuits.

In 1963 the FCC established the Instructional Television Fixed Services (ITFS), whose purpose was to transmit instructional, cultural, and entertainment material in selected receiving locations in accredited educational institutions. Special training material could also be transmitted to commercial and industrial establishments. Some administrative material was also permitted. The FCC also closed the band to any new OFS stations except for those that would operate in accord with ITFS technical standards. Existing OFS stations would continue sharing the band with ITFS.

The band was divided into thirty one channels of 6 MHz each (2500-2686 MHz) and thirteenth two response channels of 125 KHz each (2686-2690 MHz). The channels were divided into eight groups, labeled A through H, each containing four second-adjacent channels (except H, which has three). The channel order and their assigned frequencies are at right. A licensee could operate up to four channels without interference. Each channel was associated with a response channel for communicating back to the ITFS station. The last response channel was unassigned.

Municipalities and other organizations which had need of television transmission services were also permitted to operate on ITFS channels, using the same technical standards as ITFS.

In 1971 the FCC decided that these non-ITFS users needed their own channel allocations. Twenty eight channels (groups A thru G) were allocated exclusively to ITFS. Group H, consisting of three channels, was assigned exclusively to Fixed Service and Public Safety Service, which were merged in 1975 into the Private Operational Fixed Microwave Service.

Multipoint Distribution Service (MDS) traces its roots back to 1970. Up to that time the 2150-2160 MHz band was being used for Point-To-Point Microwave Radio Service. licensees on that band were limited to a maximum of 3.5 MHz bandwidth. That rule was dropped on July 31, 1970. It then became possible to use that band for a 6 MHz wide common carrier service with the ability to distribute television signals from a central location to numerous points. Suddenly there was a large number of applicants hoping to get into this service.

The FCC, realizing that existing point-to-point rules were inadequate for a point-to-multipoint common carrier service, estab-

MHz	CH
2500	A1
2506	B1
2512	A2
2518	B2
2524	A3
2530	B3
2536	A4
2542	B4
2548	C1
2554	D1
2560	C2
2566	D2
2572	C3
2578	D3
2584	C4
2590	D4
2596	E1
2602	F1
2608	E2
2614	F2
2620	E3
2626	F3
2632	E4
2638	F4
2644	G1
2650	H1
2656	G2
2662	H2
2668	G3
2674	H3
2680	G4
2686	H4

lished a new service on that band in January, 1974: the Multipoint Distribution Service. This service consisted of two channels: channel one (2150-2156 MHz) and channel 2 (2156-2162 MHz). 2160-2162 MHz was being used for telephone service in rural areas and smaller cities, where 2156-2160 MHz became channel 2A, too narrow a bandwidth to be used for television transmission.

Although MDS by definition is not a television service as is ITFS and OFS, most of MDS time is leased for the transmission of pay-TV signals to hotels, motels, apartment complexes, and residences. MDS is a common carrier service, in which the licensee has no control over the content of his transmission signals, but rather makes his transmitter facilities available to customers. The suppliers of entertainment programming, who rent these facilities, are their customers. The individuals who pay the programmers for the privilege of watching the programs are the subscribers.

By the end of 1982 there were more than 200 licensed MDS stations on channel one throughout the nation, with another hundred still under construction and two hundred more applications filed with the FCC. But on channel two there were only five licensees, three more yet under construction, and 143 pending applications.

Why the big difference? Television signals on MDS are rarely scrambled. A subscriber to one channel would automatically be able to receive the second channel at no additional cost. Since both channels cannot be operated by the same licensee, the customer would have to rent both channels from two licensees, and supply two channels of programming. Or else, if there are two customers, both supplying their own programming, expensive scrambling equipment and decoders would be required. This has deterred a second programmer from entering a city with an existing MDS television service. But the idea of multiple channel operating by a programmer became appealing, and interest developed in that second channel. The demand became greater than the supply, and in those cities where there is an available channel 2 competing applicants are now entangled in time consuming consolidated hearings.

ITFS, meanwhile, is just the opposite. By November, 1982, 21 states still had no ITFS. Nine states had one each; five states had two. Most of the ITFS licensees seemed to be limited to a few metropolitan areas. All this despite the availability of 28 channels.

It was this imbalance that provoked the FCC to propose the reallocation of the 2500-2690 MHz band on May 2, 1980. In its proposal, ITFS would be given a primary allocation of the first eleven channels (2500-2566 MHz)

and their associated response channels. MDS would be given a primary allocation of the next ten channels (2566-2626 MHz) and their associated response channels. OFS would be given the last ten channels (2626-2686 MHz) and their associated response channels. These three services would also be permitted on each other's channels on a secondary allocation.

Response to the FCC's plan was overwhelmingly negative. The plan suggested adjacent channel operating instead of the existing second adjacent channel. This would not be technically feasible. ITFS channels were arranged into second adjacent channel groups to reduce the chances of interference from broadcast television stations in the upper VHF channels (7-13) to the downconverted ITFS signals. Where even-channel VHF television stations were in the area, the group of ITFS channels would be converted to VHF television channels 7, 9, 11, and 13. Where odd numbered stations were in the area the ITFS channels would be converted to VHF channels 8, 10, 12, and 13+ (216-222 MHz, made possible by adjusting certain circuits within the television set). Arranging ITFS channels into adjacent channel groups would not allow for this method of interference protection.

Another problem with the FCC proposal was the matter of the OFS channels. In order to create a flexible allotment plan the services would be permitted on one another's channels on a secondary basis. Anticipating a flood of MDS applications for OFS channels, the FCC proposed to give extra channels to OFS. This resulted in a flood of more than 1,400 applications for MDS services on the existing OFS channels anticipating the outcome of the FCC's proposed rulemaking. This forced the FCC to adopt a rule that no video entertainment material could be transmitted on OFS channels until after June, 1985.

Perhaps the largest controversy was over the thought of taking channels allocated for educational use and handing them over to commercial enterprises. Noncommercial radio and television was always slower to develop than commercial services and depended heavily on the FCC to reserve frequencies for future educational use. The FCC looked at ITFS's slow growth, and concluded that eleven channels would be sufficient for ITFS.

It is interesting to note that during the three years that the FCC was studying the reallocation of ITFS channels that there was a sudden surge in ITFS applications. The number of authorized operators increased by 50% and the number of licensed ITFS channels increased 60%. MDS proponents attributed this sudden growth to the FCC's proceeding rather than to a natural growth.

MDS entities were unanimous in the opinion that the largest obstruction to the growth of MDS is the lack of multichannel capacity. Under the present two channel allocation, a two-channel MDS system is feasible only if the same customer rented both channels. The only place where this situation exists is in Phoenix, Arizona, where Microband Corporation

of America has rented both MDS facilities. If MDS is to survive as an industry, advocates warned, multichannel operation will be an absolute necessity. A Microband Corp. study indicated that a multichannel MDS system using five channels would cost only twice as much as a single channel MDS system because of common equipment and operation.

Educators pointed out that with the advent of Direct Broadcast Satellites, Low Power Television, and Subscription Television, there will be very little need for MDS, hence no need to take channels away from ITFS. The FCC, however, responded that if the need for MDS does not arise, then ITFS can still use those channels on a secondary basis.

After considering the numerous comments the FCC decided to establish a new type of service called the Multichannel Multipoint Distribution Service (MMDS), and adopted a new allocation plan which would be flexible enough to take into account regional variations in ITFS channel use, allocate specific channels to MMDS, yet still give preference to existing ITFS operators and applicants. In the new plan the E and F groups of channels (2596-2644 MHz) are allocated to MMDS use on a nationwide basis. No new ITFS applications for E and F channels will be accepted, but existing ITFS operators on those channels will be permitted to remain there.

The FCC, in order to relieve itself of the burden of determining potential interference between an MMDS applicant and existing adjacent and co-channel ITFS services, shifted that responsibility to the MMDS applicant upon receipt of a construction permit. Before construction begins, the permittee must obtain a statement from all co-channel and adjacent channel ITFS operators that the proposed MMDS would not cause harmful interference, or that they would be willing to accept any interference that will occur. Equipment modification and other measures can then be agreed upon to reduce the possibility of interference. This method would also discourage reckless applicants from wasting the FCC's time by filing an application for a station that would cause interference to existing ITFS services.

These new rules establishing the MMDS service were adopted on August 24, 1983, and the FCC announced that it would accept applications for MMDS on one day only: September 8. On that day between 15,500 and 17,000 applications were filed. About 150 applications were filed for each of three major cities. Several more cities received over a hundred each. One company applied for MMDS in more than 400 cities. A few other companies applied for MMDS in more than 200 communities. It seems that the nightmare that plagued the FCC, and still does, when low power television was introduced, has struck again. The FCC is now considering a lottery system to determine which applicants should receive construction permits.

FURTHER INFORMATION ON MDS

The following paragraph is quoted from the Federal Register where the FCC's new MMDS rules were published. "The Commission does

not keep records of whether licensed MDS stations are actually operating. Since MDS is a common carrier service, whether a station is on the air at a given time is not determined by the licensee but rather by whether a customer has purchased time from the licensee. At least one private concern, Paul Kagan Associates, Inc., collects such data. According to its latest report, as of August 3, 1982, there were 82 MDS stations operating and an additional 120 stations licensed that had not yet obtained a customer. 'Statistical Progress of MDS', The MDS Data Book, 64 (October, 1982)." I couldn't find any information on this. Maybe some of the membership can supply more information.

APPLICATIONS FOR NEW TELEVISION STATIONS

CH	ERP	HAAT	STATE/CITY/APPLICANT
68	1227	924	MD Hagerstown; Western Pennsylvania Christian Broadcasting
47	138	1019	PA Altoona; Western Pennsylvania Christian Broadcasting Co.
52	105	1020	NY Ithaca; Ithaca TV Associates (reinstated)
64	1500	500	VA Charlottesville; Locus Penitentiaria Television Center
34	2500	324	FL Marianna; Marianna Telev. Co.
15	2014	899	FL New Smyrna Beach; Coastal Educational Broadcasters Inc.
4	100	2000	NV Reno; Washoe Broadcasting Co.
21	513	1315	AL Mobile; Dan Mahoney
15	513	1315	HI Wailuku; Dan Mahoney
15	513	1315	NV Las Vegas; Dan Mahoney (Note: all three Dan Mahoney applications have 513 kw Max, 1315' AAT & AG, no ASL given, no coordinates, and imaginary street locations for TL. I expect the FCC to throw them out pretty quickly.)
3	100	1670	AZ Phoenix; Jason Communications
8	316	1963	NM Roswell; Western Sun Broadcast
3	?	?	NV Las Vegas; Willard H. Hornstadt (mutually exclusive with renewal of KVBC)
41	5000	239	TN Union City; Futures TV, Inc.
29	4500	425	TX Decatur; WISE County Messenger, Inc.
58	1187	1670	TX Dallas; Metroplex Television Broadcasting Limited
56	14	425	TX Jacksonville; Tarzan Television Co. (With that ERP, not exactly something to go ape over.)
23	2037	1373	TX San Antonio; San Antonio Educational Television, Inc.
23	1312	1371	TX San Antonio; Hispanic Community Educational TV, Inc.
29	432	303	AL Selma; John R. Powley
13	316	1777	AZ Flagstaff; William Greenwood Tonsmeire
69	4960	676	KY Paintsville; John H. Leland
27	5000	693	MN Duluth; Duluth Media
9	0.30	340	MT Bozeman; Montana State Univ.
58	1399	1490	TX Dallas; Melinda Guzman
58	5000	1980	TX Dallas; Dallas 58, Inc.
58	5000	1685	TX Dallas; El Canal de La Comunidad
58	3090	1720	TX Dallas; Powell Communications
28	18.6	244	WI Sheboygan; Sheb. County Bc'g.

APPLICATION MODIFIED			
23 n.c. 741 IN Marion; Metro Program Network			
CONSTRUCTION PERMITS GRANTED BY THE FCC			
7	316	214	AK Fairbanks; Channel 7 Broadcast'g
60	4529	831	NH Merrimack; Golden Triangle TV 60 Corporation
38	84	1171	PR San Sebastian; Caribbean Broadcasters
44	1500	518	FL Pensacola; Carnex TV, Inc.
38	5000	1121	FL St. Petersburg; Bay Television, Inc. (FCC Review Board reversing initial decision.)
10	17.7	436	TX Del Rio; Del Rio Communic'ns
62	2333	1067	KY Lexington; FBC, Inc. (Review Board Decision)
52	44.4	414	MI Kalamazoo; Grand Valley State Colleges
40	1619	2022	AZ Tucson; J.P. Communications (FCC Review Board decision)
25	2061	496	FL Orange PARK; Clay Television Inc. (FCC Review Board dec'n)
38	?	?	CA San Francisco; West Coast United Broadcasting Company (Initial Decision)
16	665	537	NE Scottsbluff; Dakota Broadcast'g
55	1844	448	WI Kenosha; Midwest Broadcast Associates, Inc.
18	5000	461	FL Cocoa; Glorious Church of God In Christ, Inc. (noncommercial assignment)
22	24.1	519	IL Macomb; West Central Illinois Educational Telecommunications Corporation
32	104	967	PR Aguadilla; Consumer Educational Research & Development TV Center

APPLICATION RESCINDED

• Ithaca, New York; channel 52; Oswego Broadcasting & Communications, Inc.

APPLICATIONS DISMISSED BY THE FCC

- Flint, Mich.; ch. 66; Stanley G. Emert
- Asheville, NC, ch. 62; George E. Gunter
- St. Petersburg, FL; ch. 38; Home TV, Inc. (reversal of initial decision in which this applicant was granted a construction permit)
- Pensacola, FL; ch. 44; Great Western Communications Company
- Lexington, KY; ch. 62; Way of the Cross Outreach, Inc.
- Corpus Christi, TX; ch. 38; Christian Childrens Network, Inc.; Coastal-Bend Family Television, Inc.
- Augusta, GA; ch. 54; Media General, Inc.
- Del Rio, TX; ch. 10; Owen Broadcasting Enterprises
- Tucson, AZ; ch. 40; Sun West Broadcasting, Inc.; Valle Verde Broadcasting Corp.
- Orange Park, FL; ch. 25; Orange Park Florida TV, Inc.
- San Francisco, CA; ch. 38; LDA Communications, Inc.; Together Media Ministries
- Pine Bluff, AR; ch. 25; GMM, Inc.
- Kenosha, WI; ch. 55; Chicago Communications Service, Inc.; Family Television 55, Ltd.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS  
 53 3088 722 FL Fort Walton Beach; WPAN  
 9 191 3184 CA Los Angeles; KHJ-TV (on the air; same TL)  
 28 2754 808 MA New Bedford; WFDC-TV  
 17 103 538 OK Bartlesville; KDOR  
 46 2455 n.c. CA Ontario; KBSA-TV  
 14 n.c. 1372 CO Boulder; KTVJ  
 32 647 835 GA Toccoa; WNEG-TV  
 3 n.c. 1940 CA Sacramento-Stockton; KCRA-TV (on the air)  
 26 3311 2518 CA Visalia-Fresno; KMPH (on the air)  
 14 332 n.c. TX Amarillo; KJTV (on the air)  
 2 n.c. ? TX KPRO-TV (on the air; change TL)  
 10 n.c. 1460 OK Ada; KTEK  
 24 3000 n.c. WI Milwaukee; WCGV-TV

CONSTRUCTION PERMIT MODIFICATIONS GRANTED  
 64 - - DE Seaford; WDPB; Change ERP from 140 kw max. (directional, I suspect toward NE) to 191 kw max/36.3 kw hor. (circular polarization). TL to Virginia Avenue, Seaford (from Sharptown, MD, a move 12.48 miles to the northeast, to the community of assignment, which explains the drastic reduction in horizontal ERP, the elimination of a directional signal, and the need for circular polarization.) Coordinates 38°39'15"/75°36'42". 640' AAT/656' AG/686' ASL (363' lower than before). Everything indicates that this station will become much harder to DX.

16 2510 790 NC Burlington; WRDG  
 40 1120 n.c. VA Bluefield; WRJK-TV  
 28 - n.c. OH Columbus; 1916 kw max. (from 1916 kw max/740 kw hor. Should be notably stronger.)  
 43 2210 1150 TN Knoxville; WKCH-TV (see note by Glenn Hauser in FORUM)  
 2 n.c. 1828 OK Tulsa; KJRH; 1828' AAT/1755' AG/2465' ASL; TL north of intersection of Muskogee Toll Road & S. 101st St., 1.8 mile east of Oneta. Coordinates 36°01'15"/95°40'32". This new TL is 26.55 distant from the present TL, and generally in a Southwest direction (S63°W) 318' higher than existing, but at this great change in distance the change in AAT from 1330' may be more significant. It was this proposed change in TL that spawned the proposed channel change with KOED-TV, chn 11, which Tulsa 23, Inc. messed up.

6 n.c. 1812 OK Tulsa; KOTV; same TL as KJRH from present site about 1/2 mile south of KJRH's present TL. 1885' AAT/1812' AG/2522' ASL. Presently 1885 AAT.  
 10 316 - OR Portland; KOAP-TV; from 60.3

kw.; 1740' AAT/1081' AG/2049' ASL; TL to 262 N.W. Miller Rd; coordinates 45°31'21"/122°45'08"; This puts new TL 3.53 mi. northwest of present TL and 814' higher. Look for stronger signal.

20 - - TX Houston; KTXH; 5000 kw max/2275 kw hor.; 1807' AAT/1971' AG/2049' ASL; same TL as was originally granted before the tragic accident. Effective 10/2/1983 (confirming what Joe Gragg reported during the convention).

55 2000 1442 IL Springfield; WRSP-TV; change ERP to 2000 kw max. (directional) (presently operating STA for 1556 kw); 1442' AAT/1449' AG/2049' ASL (987' higher than present); TL to 2.6 miles southwest of Mechanicsburg. Coordinates 39°47'56"/89°26'45"; 8.17 miles ESE of present TL.

52 49 670 OH Sandusky; WGGN-TV; decrease from 136.14 kw; presently 541' AAT. Looks like increase in antenna height to reduce ERP without affecting coverage.

20 630 -120 HI Honolulu; KHAI-TV  
 49 n.c. 940 MI Saginaw; WAQP  
 45 n.c. 2940 NY Albany-Schenectady; WUSV  
 39 159 n.c. LA West Monroe; KMCT-TV  
 (By way of clarification, I compare licensed facilities with data in CP modifications with stations already on the air. CP modification means in this case a modification to change a construction permit which allows a licensee to change its present facilities. I can't always determine if the station is still operating on its licensed power and transmitter height and location, or if it has already been using the data in its construction permit. Where data is given without any comparative notes, this is a modification of a construction permit to build a new television station, which is not yet on the air.)

APPLICATIONS TO CHANGE EXISTING FACILITIES  
 2 n.c. 1430 IA Cedar Rapids-Waterloo; KGAN-TV  
 3 n.c. n.c. CA Eureka; KIEM-TV (directional)  
 47 2917 n.c. FL Jacksonville; WNFT  
 54 1210 996 MI Muskogee; WMKT

CHANGES IN EXISTING FACILITIES GRANTED  
 40 - - AR Fort Smith; KHBS; 3160 kw max/933 kw hor (from 646 kw max/417 kw hor); 2000' AAT/229' AG/2609' ASL (1680' higher, with drastic change in TL, compare with present 424' AAT, or 1576' increase); TL to Cavanal Mountain, 3.3 miles WNW of Poteau, Oklahoma. (TL is in Oklahoma state limits); coordinates 35°04'16"/94°40'46"; 28.23 miles SW (S36°W) of present site.

12 - n.c. NM Farmington; KIVA-TV; raise ERP from 158 kw to 316 kw max. (directional antenna)

13 n.c. - ND Minot; KXMC-TV; 1131' AAT/1081' AG/3146' ASL (same TL, but 28' higher. Don't expect any change)

26 - - AL Montgomery; WAIQ; 1259 kw max/1122 kw hor (circular; from 229 kw); 601' AAT/563' AG/823' ASL (10' higher); TL to 1300 Upper Wetumpka Road; coordinates 32°22'52"/86°01'30" (I think this may be the same TL as is presently used)

10 n.c. - MN Appleton; KWCM-TV' 1252' AAT/1275' AG/2305' ASL (same TL, but 775' higher)

17 1000 1298 MN St. Paul; KTGI-TV (increase ERP from 39.7 kw max/28.8 kw hor; ERP probably just refigured; no change in TL. Looks like another infant station suddenly going full power.

CALL LETTERS APPLIED FOR: NEW STATIONS  
 CH C.L. STATE/CITY/APPLICANT  
 26 KXBJ MN Bemidji; John W. Boler  
 27 KCWT WA Wenatchee; Fred Alan Ross  
 24 KOSL UT Ogden; Arapahoe Silent Majority  
 63 WTZA NY Kingston; Ulster County Communications Corporation  
 38 KMJD-TV AR Pine Bluff; Pine Bluff Broadc'g  
 61 WETG CT Hartford; Arch Communications  
 47 WMSN-TV WI Madison; Center City Broadc'g  
 24 KCPM CA Chico; Superior Broadcasting  
 44 KWKT TX Waco; Focus Broadcasting of Waco

CALL LETTERS APPLIED FOR: CHANGE EXISTING  
 46 KHHS-TV CA Ontario; KBSA  
 2 WKRN-TV TN Nashville; WNGE (take note, all you skip and MS late night DX enthusiasts)  
 24 KTDZ OR Portland; KTAH  
 22 KTZZ WA Seattle; KABD

CALL LETTERS ASSIGNED: NEW STATIONS  
 22 WQJH FL Key West; Pappaport Communic'n's  
 7 KQJA NV Winnemucca; Matlock Communic'n's  
 25 KKSG NM Carlsbad; Citizens Rights Telecommunications Company  
 30 WCAY-TV TN Nashville; Television Corp. of Tennessee

14 KOBK WA Walla Walla; Brotherhood Bc'g  
 68 WKAJ AL Birmingham; Celtic Media, Inc.  
 16 KTAJ MO St. Joseph; Family Television  
 18 KDTU AZ Tucson; Roman Catholic Church of the Diocese of Tucson  
 15 KPTW KS Wichita; Kansas Public Telecommunications Service, Inc.  
 27 WCMV MI Cadillac; Central Michigan U.  
 21 WCMW MI Manistee; Central Michigan U.

CALL LETTERS ASSIGNED: CHANGE EXISTING  
 44 WEVV IN Evansville; WAFV  
 3 KOAB-TV OR Bend; KVDO-TV  
 69 KTTY CA San Diego; KSDT  
 8 KBGT-TV NE Albion; KCNA-TV  
 12 KOBF NM Farmington; KIVA-TV  
 22 WNJX-TV PR Mayaguez; WQRD

CHANGES IN CITY OF IDENTIFICATION APPLIED FOR  
 • WOI-TV, channel 5, Ames, Iowa, to identify as Ames-Des Moines  
 • KCWC-TV, channel 4, Lander, Wyoming, to identify as Lander-Riverton

• WFYZ, channel 39, Murfreesboro, Tennessee, to identify as Murfreesboro-Nashville, whenever they get on the air.

CHANGES IN STATION IDENTIFICATION GRANTED  
 • WPMT (formerly WSBA) York, Pennsylvania, is now identifying as York-Harrisburg-Lancaster-Lebanon, although I have no record of this having been approved by the FCC.  
 • KCWC-TV, channel 4, Lander-Riverton, WY  
 • WFYZ-TV, ch. 39, Murfreesboro-Nashville, TN

STATIONS ON THE AIR  
 • KBSI, channel 23, Cape Girardeau, Missouri, went on the air September 10, 1983, 1870 kw max. ERP (directional); 1770' AAT/1567' AG/2277' ASL; TL east side of Perryville Road, about 2.9 miles SSW of Oriole; coordinates 37°24'23"/89°33'44"; address: Cape Girardeau Family TV, Inc., 1 Cherokee Drive, Memphis, TN, 38111.  
 • KSAF-TV, channel 2, Santa Fe, New Mexico, supposed to go on the air October 30, 1983, 88 kw ERP; 1970' AAT/299' AG/10,179' ASL; TL No Name Mountain, Santa Fe National Forest, 9.3 miles east of Jamez Springs. Coordinates 35°47'17"/106°31'35". Address: New Mexico Media, Box 580, Santa Fe, NM, 87501. (old address, but give it a try if you want to send a reception report.)

• WQPT, channel 24, Moline, Illinois, went on the air 11/2/1983; 147.6 kw ERP; 319' AAT/336' AG/996' ASL; coordinates 41°28'30"/90°26'44" Address: Black Hawk College, 6600 34th St., Moline, IL, 61265; A PBS memo sent to me by Dave Pomeroy (Program Director of KTUW in Topeka) reads, "It is the first UHF station (Channel 24) in the 'Quad Cities' market, which consists of Moline and Rock Island, Illinois, and Davenport and Bettendorf, Iowa." Judging by its ERP and its location in or near Moline (on campus?) the station has in mind only the city of Moline.

• KEKR-TV, channel 62 in Kansas City, Missouri, is supposed to go on the air on December 1, 1983, according to an article sent in by Dave Pomeroy. I have limited information on this so far. 1868 kw max/110 kw hor; 1120' HAAT. The station was granted STV authorization by the FCC. Address: 2111 Blue Summit Blvd, Kansas City, MO. (I suspect this was the original Select TV application, which had 1120' AAT/1225' AG/2019' ASL; TL 21st St & Stark Ave., Kansas City; coordinates 39°04'59"/94°28'49". Barry Garron, a TV critic in an area newspaper, has a very negative and misinformed opinion of the station. For instance, "It has been more than six years since the station was first licensed by the Federal Communications Commission." Actually, it was granted a construction permit, not a license, and that was somewhere in the first half of 1980, about 3 1/2 years ago. "Based on the tentative lineup, it is possible that the 'R' in KEKR stands for 'reruns.'" He mentions children's shows in the morning, game shows and sitcoms during the day, cartoons in midafternoon, "network reruns" in late afternoon and "hodgepodge of first-run programs during prime time." The station is not equipped for a big news operation.

# AN IMPORTANT ANNOUNCEMENT FROM KSAF-TV CHANNEL 2

On Sunday, October 30, KSAF-TV Channel 2 will come into being as New Mexico's newest broadcasting company.

We'll be a brand new, active, enterprising television station serving the state's fastest-growing region, the Albuquerque-Santa Fe complex.

We're eager and proud to be a new part of the exciting economic and cultural growth of this region of great opportunity.

Our intention is to contribute something special to the welfare and leisure time activity of all of our citizens who have chosen to live the New Mexico lifestyle.

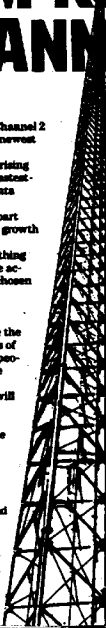
### FIRST LOCAL NEWSCAST

We'll strive conscientiously to serve the entertainment and information needs of the more than three-quarter million people of Albuquerque, Santa Fe, and the surrounding communities.

Among our programming services will be the origination of Santa Fe's first local live newscast.

Channel 2's primary studios will be located in a handsome new \$3.5 million, 3-story 38,000-square-foot building at the corner of St. Francis and St. Michael's Drive.

It will be outfitted with the finest and latest state-of-the-art broadcasting equipment.



### CRYSTAL-CLEAR PICTURE

KSAF-TV's powerful signal of 100,000 watts will radiate in a 150-mile diameter from our antenna high atop No Name Mountain, one of the highest transmitter sites in America. This location is almost equal-distance from both Albuquerque and Santa Fe, enabling us to send a strong signal into both cities.

In fact, viewers using a simple rabbit-ears antenna inside the home should receive our picture with great definition and clarity. This is because of our circular polarized antenna, the advance in television transmission.

### WRITE US

We're so pleased and confident of our crystal-clear reception that we're inviting our new viewing friends to write and tell us about their Channel 2 picture.

We're also interested in hearing from you on how we can better serve you and your community.

Along with our staff, we want you to remember the date of October 30 and tune in to catch the birth of New Mexico's newest television station, KSAF-TV, serving the television homes and families in rapidly-expanding north central New Mexico.

We're delighted to be part of all that's new and great about New Mexico.

*Jeff Fallon*  
 Jeff Fallon  
 President, New Mexico Media  
*Albert C. Linceo*  
 Albert C. Linceo  
 General Manager, KSAF-TV



should be completed sometime in December.

I ordered a microfiche copy of the data base several months ago from the Department of Commerce, and was finally informed last month that they no longer accept one-time only orders. I would have to become a subscriber. The system works something like a bank. You have to make a deposit, keep a balance in the account, and notify the Department of Commerce when you want to place an order. They then send you the order and deduct the cost from your account.

Meanwhile I will have to make an account and then place an order for the translator data base. This means a delay in the publication of the new Translator List. Which may be just as well, since there is now a heavy turnover in applications because of the FCC's computer.

Meanwhile, here is a list of translator and low power TV activities. The only way I have of determining when a translator is completed and in operation, outside of membership observations, is the list of licenses granted. A license is granted only after a translator or LPTV goes on the air and is found to meet the FCC's technical requirements. Unfortunately, I am presently unable to supplement this list with a list of primary stations and transmitter power.

I did not include any translator information for the western United States, except for NM and CA.

STV APPLICATION DISMISSED  
 WCLQ-TV, ch. 61, Cleveland, Ohio

### TRANSLATORS AND LOW POWER TELEVISION STATIONS

On March 4, 1982, the FCC implemented the final rules for LPTV. These rules set a tiered processing procedure under which applications for the most rural and under-served markets would be processed first. A "freeze" was placed on Tier II and III applications, which proposed stations within 55.5 miles of the top 212 television markets. During the next several months processing procedures were established, a minicomputer and related hardware were purchased.

There were 7,000 applications in Tiers II and III. Meanwhile Tier I, which was not frozen, grew to 5,000 applications, making a total of 12,000 LPTV applications to be processed.

Finally in June, 1983, the computer became operational. This computer had been on line for two months before the first applications could be processed, using a lottery system to choose between competing applications.

Additional computer programs are now being written, designed to more effectively and efficiently purge the data base of technically defective applications, i.e., those for which prohibitive overlap would occur. This "purge" program began in September, and

### TRANSLATOR AND LOW POWER TV LICENSES GRANTED

- K38AM Strong City, OK
- K40AG Strong City, OK
- K42AG Strong City, OK
- K11RH Pineywood Estates. NM
- K63CD Alamogordo, NM
- K60BI International Falls, MN
- K69CU Booneville & Philo, CA
- W46AD Traverse City, MI
- W50AC Tampa, FL
- K27AJ Gothenburg, NE
- K13RK Roswell, NM
- K67CC Boonville, CA
- K05HG Spaulding Tract, CA
- K69DA Little Falls, NM
- K25AC Capitola, Watsonville, Salinas, Santa Cruz, Monterey, CA
- W07BM Cookeville, TN (LPTV)
- W33AD Concord, VA (LPTV)
- K05GW Albuquerque, NM
- K07EB Silver City, NM
- W02AG Brevard, NC
- K13RZ Litchfield, CA
- K67BY Susanville & Herlong, CA
- K13LO Yreka, CA
- K53BA Albuquerque, NM
- K67CS Portales & Dora, NM
- K30AF Alexandria, NM (LPTV)
- W69AU Mobile, AL
- K11RL Litchfield, CA

K56BR Pslo Sito, Mountain View, Los Altos, Sunnyvale, Saratoga, Los Gatos, San Jose, CA

K69DI Potter Valley, CA  
 K13QM Fargo, Fort Supply, Gage, May, OK  
 W32AD Clark's Summit, Dalton, Waverly, PA  
 W07BN Bruce, MS (LPTV)

K62BQ Erick, Sayre, Carter, OK (LPTV)  
 K27AK Ponca City, OK (LPTV)

K39AG Ukiah, CA  
 K43AF Ukiah, CA  
 K45AH Ukiah, CA  
 K51AQ Ukiah, CA

K59CH Booneville & Philo, CA  
 K57CT Booneville & Philo, CA

K61CH Booneville & Philo, CA  
 K63AU Booneville & Philo, CA

K49AQ Clarendon, TX  
 W06AS Ladysmith, WI (LPTV)

K41AF Ukiah, CA  
 K47AL Ukiah, CA

K65BN Red Lake, MN

K60BR Long Valley Region, CA  
 K57CZ Lincoln, NE

W08BT Newberry, SC  
 K61CJ Laytonville, CA

K56BW Tahoe City, CA  
 K06KZ Junction City, KS

K07SE Lee Vining, CA  
 K69DH Woodward/Mooreland, OK (LPTV)

K61CJ Laytonville, Branscomb, Fort Bragg, CA (LPTV)

K34AF Alexandria, MN (LPTV)  
 W59AT Plainview & Hicksville, NY

K22AE New Ulm, MN (LPTV)  
 K66CA Livingston, TX (LPTV)

W69AU Mobile, AL  
 K60BW Turkey, TX

K56AA Salinas, CA  
 K72CH Salinas, CA

K38AP Memphis & Lakeview, TX  
 K43AG Inyokern/Ridgecrest, CA (LPTV)

K13ND San Ardo/Bradley, CA (LPTV)  
 K34AF Alexandria, MN (LPTV)

K44AK Memphis/Lakeview, TX (LPTV)  
 W15AB Rice Lake, WI (LPTV)

K07QJ Mountain Village, AR  
 K06FR Laytonville, CA

K05DZ Redding, CA  
 K69CP Walker, MN

K53BE Guymon, OK (LPTV)  
 K18AM Ponca City, OK (LPTV)

K10GL Laytonville, CA  
 K11GM Leadville, CO

K23AD Woodward, OK (LPTV)

### CONSTRUCTION PERMITS GRANTED

- K45AK; Rosenberg, TX; 1 kw (KWEX-TV, ch. 41, San Antonio, TX)
- K57CZ; Lincoln, NE; 10 w (KGIN-TV, ch. 11, Grand Island, NE)
- K23AH; Lincoln, NE; 1 kw (KGIN-TV, ch. 11, Grand Island, NE)
- K66CD; Phillipsburg, KS; 100 w (KOOD, ch. 9, Hays, KS)
- W13BD; Alpena, MI; 10 w (LPTV; 48.552 w ERP; 175' AG)
- K02MI; Brownwood, TX; 10 w (LPTV; 32.739 w ERP; 150' AG)
- K42AM; Ottumwa, IA; 1 kw (LPTV; 15.792 kw

ERP; 150' AG)

- K57DA; Fergus Falls, MN; 100 w (LPTV; 1.6 kw; 600' AG)
- K61CM; Red Lake, MN; 100 w (WTBS, ch. 17, Atlanta, GA, via satellite)
- K06LC; Independence, CA; 10 w (KNXT, ch. 2, Los Angeles, CA)
- K10MC; Independence, CA; 10 w (KNBC, ch. 4, Los Angeles, CA)
- W16AB; Piedmont, AL; 100w (LPTV; 803.04 kw; 200' AG)
- W64AS; Broxton, GA; 10 w (LPTV; 53.3 kw ERP; 100' AG)
- W46AF; Homerville, GA; 10 w (LPTV; 53.3 kw ERP; 100' AG)
- W39AG; Thomasville, AL; 100 w (LPTV; 732 w ERP; 159' AG)
- W64AU; Adams, WI; 1 kw (LPTV; 15.5 kw ERP; 173' AG)
- W12BF; Crystal River, FL; 10 w (LPTV; 124 w ERP)
- W27AE; Sebring, FL; 1 kw (WTOG, ch. 44, St. Petersburg, FL)
- K51AT; Paragould, AR; 100 w (LPTV; 703 w ERP)
- K69DP; Granite Falls, MN; 100 w (WTCN-TV, ch. 11, Minneapolis-St. Paul, MN)
- K07YS; Pine City, MN; 100 w (KBUR-TV, ch. 6, Duluth, MN)
- K50AM; Roseau, MN; 100 w (WDAZ-TV, ch. 8, Devils Lake, ND)
- K52AM; Roseau, MN; 100 w (KTHI-TV, ch. 11, Fargo, ND)
- W60AP; Humboldt, TN; 100 w (LPTV; 1.379 kw ERP)
- K45AN; Tyler, TX; 1 kw (LPTV; 7.36 kw ERP)
- W16AC; Land O Lakes, WI; 100 w (LPTV; 20.8 kw ERP)

### CONSTRUCTION PERMIT MODIFICATIONS GRANTED

- W56BA; Franklin, NY; increase to 10 watts
- W04BL; Pennington Gap, VA; increase to 10 watts
- K65BN; Red Lake, MN; change primary to WDAY-TV, ch. 6, Fargo, ND
- W16AA; Harrisonburg, VA; change primary to WVIR-TV, ch. 29, Charlottesville, VA
- W07BL; Harrisonburg, VA; change primary to WVIR-TV, ch. 29, Charlottesville, VA
- W46AE; Harrisonburg, VA; change primary to WTTG, ch. 5, Washington, DC

### CHANNEL CHANGES GRANTED

- K40AL; Memphis, TX; from ch. 77
- K42AL; Memphis, TX; from ch.80
- K65CO; Mooreland, Waynoka, & Woodward, OK; change from ch. 75

### OTHER CHANGES GRANTED

- W56AZ, W61AI, & W67AP; Rock Harbor, FL; add Key Largo to coverage area. (by altering its directional signals)

### FORUM

W.R. McIntosh corrects me on my mislocation of Rancho Palos Verdes on Santa Catalina Island. I couldn't find it on any maps, so I figured nobody else would be able to either. So I decided to plot the coordinates of the proposed transmitter locations on a map, and all of the applicants specified a TL on the high point of Santa Catalina Island.

I then made the wrong assumption that that is where Rancho Palos Verdes was located. Actually, it's on the peninsula SSW of Los Angeles and west of San Pedro and Long Beach.

George Mileon contacted WSTG, channel 64 in Rehoboth, MA, which is still operating a few hours during the day. The STV idea is definitely dropped, and the station is now looking for new owners. (Are you sure this station isn't really solar powered?) (How about WNVG-56 in Fairfax, VA, which broadcasts all the congressional debates? Are they wind-powered?) WNDS-50 in Derry, NH, is still at reduced power. They tried full power and apparently overloaded everyone's tuner in the immediate area. George says, "There was an abundance of complaints and even the FCC got into the act. The station was forced to reduce power again and still is not able to resolve its problems." Is this a common problem? I don't know about overloading everybody's tuner, but sometimes a new TV station will cause problems with AM radio stations with directional antennas nearby. The new TV station will be forced to operate at less than full power until such time as the problem can be eliminated. Could that be the case in Derry? George also asked about MDS channels. The article at the beginning of this column is about all I can find to date.

Dave Nieman clipped an article from the 10/27 Buffalo News. Jamestown, New York has a vacant channel 26 assignment for which Retherford Publications in Tulsa filed an application for a new television station. Presently W26AA in Jamestown is rebroadcasting signals from Buffalo's educational television station WNED to southern Chautauqua County. The Jamestown City Council agreed unanimously to petition the FCC to deny the application. "It would be a tragedy if this high-quality programming were no longer available to Jamestown area residents." WNED is also petitioning the FCC to deny. Unfortunately for them, the FCC is very firm on the secondary status of translators and will not even give a translator's survival the slightest consideration when it comes to an application for a broadcast station.

Glenn Hauser sent in an article from the 11/4 Knoxville Journal on WKCH-TV, channel 43, which is expected to go on the air in December. Transmitter will be on Sharp's Ridge. WKCH-TV will be an independent station with syndicated programs, sports, classic movies, and emphasis on local programming, community affairs and talk shows. "The new station, which already has its Federal Communications Commission license, will be known as WKCH."

Steven Sprachman has a possible solution to the mystery channel 59. According to an article in the 8/14/83 New York Times channel 59 will be used for a university course for homebound students. It was supposed to begin in September, but he hasn't seen it yet. (Bet there'll be a lot of dropouts when WTVU goes on the air soon.) By the way, scratch a comment I made in my current DX report about W60AI in New York possibly picking up WNPB, ch. 67 in Baltimore. How could it with WSNL

nearby? W60AI must be receiving a microwave feed or something. I later realized that W60AL, one of Onancock, Virginia's perennial phantoms, picks up W68BH in Craddockville, so W60AL was most likely the culprit. With regards to WWAC-TV, channel 53 in Atlantic City making a comeback, I doubt it very much. There's already enough gambling going on in Atlantic City.

Bill Draeb reported that the tower being built for WLRE-26 in Green Bay was up to 900 feet high at the beginning of November. It's only fifty feet away from the present tower.

Paul Gaines sent in a Fall-1983 schedule for KSPR, ch. 33 in Springfield, MO. There seem to be more of the current syndicated hits, suggesting a satellite earth station is now being used. They're using the slogan, "Take a turn for the best."

From Jim Pizzi in New Mexico. KSWs-TV, ch. 8 in Roswell is now a semisatellite of KOB-TV, ch. 4 in Albuquerque. So is KIVA-TV, ch. 12 in Farmington. They are all NBC affiliates. KSWs-TV used to be a full time satellite of KCBD-TV, ch. 11 in Lubbock, Texas. KSWs-TV now has some local program origination and rebroadcasts news from KENW, educational ch. 3 in Portales, New Mexico.

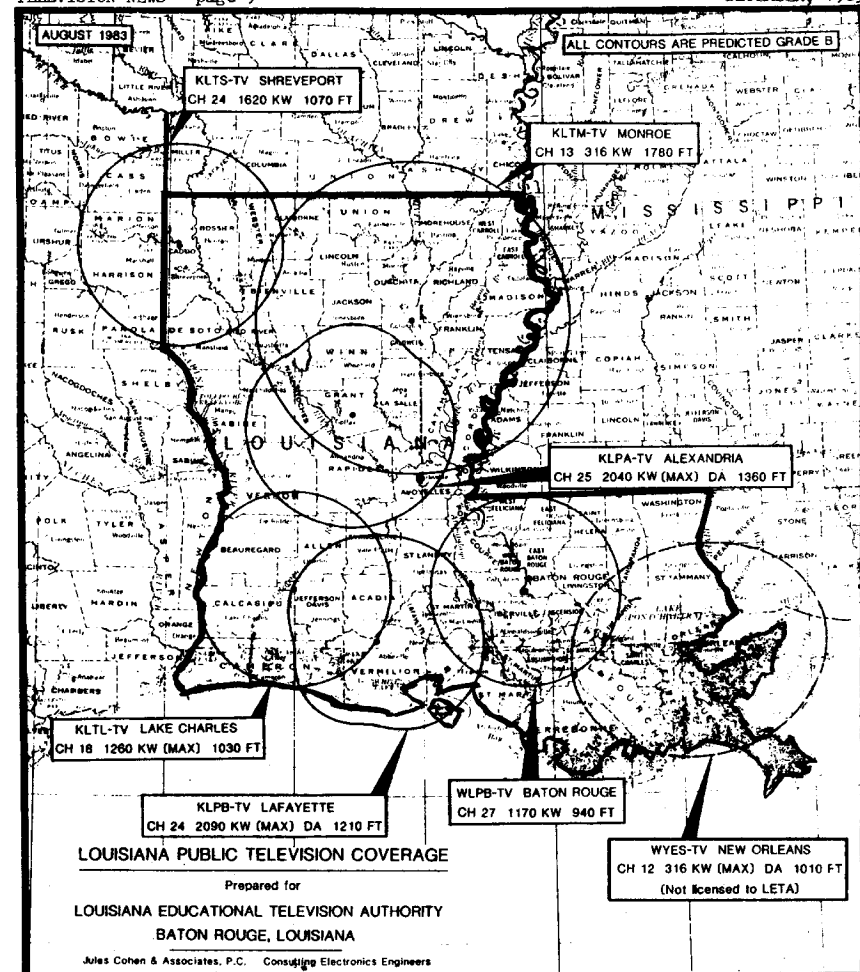
One last note about New Jersey Public Television's carriage of Uncle Floyd. NJPTV is actually producing the Uncle Floyd Show with the same characters, but without the rock bands and suggestive jokes. The show is actually fit for kids to watch now.

#### SPOTLIGHT ON NEW STATIONS

Bobby Ann Clark, of Louisiana Public Broadcasting sent some information on KLPA-TV, channel 25 in Alexandria, which signed on the air on July 1, 1983, marking the completion of a network of six public television stations licensed to the Louisiana Educational Television Authority (LETA). Known collectively as Louisiana Public Broadcasting (LPB), the system serves Baton Rouge (WLPB-TV, ch. 27), Monroe (KLTM-TV, ch. 13), Shreveport (KLTS-TV, ch. 24), Lafayette (KLFP-TV, ch. 24) Lake Charles (KLTL-TV, ch. 18), and Alexandria. The New Orleans area is served by community-owned WYES-TV, ch. 12, which carries LPB instructional programming as well as general audience programs produced by LPB.

After its creation in 1971 by the Louisiana Legislature, LETA embarked on a plan of bringing educational and public television to all citizens of Louisiana through the establishment of transmitting facilities in the major population centers outside of New Orleans. The network flagship station, WLPB-TV in Baton Rouge, went on the air in 1975, followed by KLTM-TV, Monroe, in 1976, KLTS-TV in Shreveport in 1978, KLTL-TV, Lake Charles, and KLFP, Lafayette, in 1981. LPB is on the air 17 hours a day, seven days a week, with the exception of the summer weeks, when it will not sign on until 3 p.m. Among areas of concern featured on LPB's local series and specials are public and minority affairs, French language, education, and a diversity of Louisiana culture.

KLPA-TV in Alexandria transmits with 2040



kw maximum & 692 kw horizontal ERP visual. Antenna is 1,329 feet above ground, and is located 0.6 mile SSE of Route 123 and 1.3 miles west of Route 167 near Dry Prong, Louisiana. Address for LPB is: 2618 Wooddale Boulevard, Baton Rouge, LA, 70805-7596 (nine-digit zip code).

#### FCC ACTIVITIES

An article from Broadcasting magazine says that the FCC changed some rules for STV, making it possible for a television broadcaster to offer a STV service without having to get permission from the FCC. All they need to do is notify the FCC within ten days of the start of STV operation. That still doesn't explain why the FCC is turning down STV applications recently.

The article also says that the FCC changed its rules for multiple city identification. I knew this was being considered, but I haven't seen anything in the Federal Register about it yet. Under former rules, a

broadcast station had to apply to the FCC for permission to use other cities in its station identification. Now the FCC says that a broadcaster can include any city it wants in its identification as long as the city of license is mentioned first.

#### NEXT MONTH IN TELEVISION NEWS (I HOPE)

Because of the larger than usual engineering data section, the translator section, and the MMDS report, I neither had the time or the space in this column for RETROSPECT. I hope to have that next month. Several members had sent me information on DBS, satellite spacings, and programs offered on satellite channels. I plan to work that all into an article on satellite television, along with news on RARC-83 and the current development of DBS.

Once again this year, the site of the Worldwide annual convention. club convention to be DXer Bob Seybold, TV DX enthusiasts. together quite an more than 30 VHF-enthusiasts who

# 1983 WTFDA CONVENTION REPORT

The hills south literally look midwestern the continent, years ago, of several never fail to of us who live lands." As ex-Hill" did pro- with a look at a opening, but it did 'nt come until after the main part of the activities had taken place. However, attendees did get a chance to observe the rapidly building conditions on TV and FM from the hilltop site all through the week- end.

The convention started Friday morning (August 5th) for the gang of early arrivals, with an excursion down to Erie, PA for a tour of the WQLN-FM and TV facilities. Without doubt, the friendly folks at WQLN gave attendees one of the best tours we've been privileged to have as part of our convention. Not only did the group get the "red carpet" treatment; they also gave away complementary T-shirts, and gave us a light brunch! Most were impressed with the WQLN operation, which seemed to be very elaborate and well-run for a public broadcaster. Among the highlights of the tour were a close-up look at the "classic" WQLN-TV transmitter, and their new installation of wave-guide running up to the antenna, an alternative to conventional transmission line which many UHF's are using to become more economical. If that wasn't enough, the group was also shown the FM's very extensive record collection!

The major convention activities took place at the Seybold farm, and featured extensive gabfests, a cookout, and a chance to view videotapes and some interesting equipment. On Saturday morning/afternoon, an informal comparison of the McIntosh MR-78 and Carver TX-11 was demonstrated, with results that proved inconclusive due to a lack of strong local FM stations to try to overload the tuners with! Nevertheless, it did manage to show the strong points of both the MR-78 and the TX-11. Following Saturday's talks, the traditional banquet was held at the Vineyard Motel, adjacent to the farm. After that, most of the group returned to the "DX barn" that doubles as Bob's electronics repair shop, and also kind of an informal TV DXing museum! The rear of the barn even features a "graveyard of lost TV antennas," hi!

As usual for recent WTFDA gettogethers, broadcast engineering consultant Joe Gragg conducted one of his famous question-and-answer sessions. By mid-night Saturday, some DXers remained up at the hilltop DX site, where Bob had a tent set up for those who wanted to see what conditions were like up there without getting rained on. As it turns out, rain was not a problem up there--heavy ground fog and insects were. There was also an electric fence several hundred feet away from the hilltop DX site that failed to stop even NORTHERN FM's Saul Chernos!

The Sunday morning club business discussion came just a few hours after the last few DXers came back from the hill, and revealed that the club is doing well these days, with a pretty enthusiastic bunch of members starting to get active. Shortly after the meeting, the formal part of the convention came to a close. Many thanks to Bob Seybold for another great convention!!

Special thanks are due to several people for making WTFDA convention a success. First of all, there's Dave and Dolores Nieman, who provided some great food for the group; Joe Fela, for hauling along his MR-78 FM tuner (what a DX machine!) and behind-the-scenes, Doug Dornbos, who supplied extensive catalog material and literature that helped just about everyone who was planning changes in DX equipment. Also, a big THANKS to attendees!

Dunkirk, NY area was TV-FM DX Association's This was the fourth hosted by longtime one of the first As usual, Bob put outing for the UHF DXing en- attended.

of Dunkirk into the areas of and many Bob learned sites that amaze those in the "low- expected, "The wide attendees tropo ducting

# WESTERN TV-DX

December 1983

An interesting group of reports this month. A better than expected month for Es was reported from New Mexico along with observations of some good meteor skip. Double hop Es was reported from Malaysia to Okinawa. And, as if this wasn't enough, most reporters caught some excellent tropo at the end of October. Notably the UHF tropo from Texas to North Dakota on the 23rd, the UHF tropo from Texas to Wisconsin on the 24th, and the UHF tropo from Alabama to New Mexico on the 30th.

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tent. - t Unidentified - unid S/On - + S/Off - =  
ID Color Bars - @ Unid Color Bars - % IHTP - \$ Misc. Test Patterns - &

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3251

MDT/MST

Equipment: Panasonic 12" b&w, Sony 8" b&w, Panasonic 13" color, Motorola 19" color, Finco P-7 with EU-4S at 70', CM 31" with EU-4S at 18 35', Winegard 2073 (channels 7-13) with AC-9730 preamplifier at 75', Wigard 2026 (channels 2-6) with AC-9260 preamplifier at 30', plus other antennas.

\* DX received on Motorola R-220 receiver (audio).

## September 1983

3 Es 1030 WESH 2 FL 1346  
(Very brief)

6 Tr 0930 K47## 47 ??  
(Unknown KAMR- 4)

0930 K38AM 38 OK 300  
(Strong City KAMR- 4)

(Snow free)

0933 K42AG 42 OK 300  
(Strong City KPDA-10)

0935 K44## 44 ??  
(Unknown-OETA ID-1000)

0943 K49AQ 49 TX 195  
(Clarendon KVLI- 7)

0948 K40AG 40 OK 300  
(Strong City KVJL- 8)

9 Tr 0900 K55AC 55 NM 145  
(Ruidoso KBIM-10)

(K55CB - Hobbs off air for three months now)

11 Tr 0059 K65CB 65 NM 123  
(Forrest KENW- 3)

K74DO 74 NM 123  
(Forrest KOAT- 7)

K55CV 55 NM 152  
(Montoya KOB - 4)

(Weak)

0130 K61AF 61 NM 123  
(Forrest KOB - 4)

16 Tr 1730 Tusla 23,41 473

19 Tr 0800 K16AB 16 OK 273  
(Guymon KWET-12)

0810 K47## 47 ??

0815 K38AM 38 OK 300  
K42AG 42 OK 300

2240 KWEX 41 TX 380  
2244 KAVU 25 TX 468

20 Es 1923 XEW 2 DF 960  
(Gone by 2000)

21 Es 0856 unid ch 2 s Mex?  
(10 kHz - XEW-2)

0900 XEW 2 DF 960  
0902 XHTRM 4 TRM net

30 Es 1816 KETSt 2 AR  
(PBS, 20 kHz - KMID-2)

30 Es 1817 unid ch 4 ne

## October 1983

2 Es 1403 unids 2, 6 ene  
1419 unid 2 s XEW net

1430 WPMY 2 NC 1350  
1453 unid 2 s TRM net

1505 unids 2, 3 east  
1524 WBRZ 2 LA 743

1533 XEW 2 DF 960  
1540 unid 2 Spanish

1556 unid 4 Spanish  
1601 XEZ t 3 XEW net

1703 XHZ t 5 Spanish  
(Above 2 in Zamorano)

1704 XEHL-6 or XETI-6  
(Tentatively)

1749 XHD 4 TA 792  
1752 XHTVt 4 DF

XEW 2 DF 960  
(Fade/out- 1845)

Tr 2315 K38AM 38 OK 300  
K40AG 40 OK 300

2321 K20## 20 ??  
(Unknown with KLBK-13)

(Possibly a translator for KERA or KETA- 13 )

2325 K19AA 19 OK  
(Altus with KTXS-12)

(Normally is KWET-12)

3 Tr 2130 KRWC 22 NM 199  
(Finally! Looked For this one for 2 years)

5 Es 0930 XEW 2 JA 840  
8 Tr 0923 K46ANT 46 OK

13 Es 1754 unid 4 TRM net  
1813 unid ch 2 Mexico  
(20 kHz- KMID-2)

1823 XHY t 3 Mexico  
(This one neither XEW, TRM, or Canal 13 nets

-I understand they're local origination.)

1836 unid 4 TRM net

1857 XHFMt 2 Mexico

13 Es 1 0 XHGET 5 Mexico  
1 31 unid 2 XEW net

1 32 KDOLO 3 SD 967  
39 (Es gone by 2045)

14 Es 23 35 KTVU 2 CA  
2 012 KDOLO 3 SD 967

3 ( "KLEO Land" wx)  
2 314 KTVN 2 NV 1008

2 26 KCRN 4 NV 1008  
2 37 KALD 4 ID 990

2 37 KPFX 5 CA 1116  
2 44 KVIET 6 CA

2 10 KBCI 2 ID 990  
19 (Es gone by 2210)

2 30 KOTI 2 OR 1170  
2 31 KOB1 5 OR 1224

(Parallel prgms  
(MUF 92.1 MHz)

(Es gone by 2359)

Tr\*2 19 =KNME 5 NM 240  
(Not often)

15 Tr 0 17 K38AM 38 OK 300  
0 18 K40AG 40 OK 300

0 15 KRIV 26 TX 515  
0 30 KHTV 39 TX 515

0 30 K47## 47 ??  
1 K49AQ 49 TX 195

Es 2 9 KTVU 2 CA  
16 Tr 0 15 KRIV 26 TX 515

0 KEDT 16 TX 505  
0 36 KORO 28 TX 505

0 18 KAVU 25 TX 468  
0 10 KTXH 20 TX 515

0 32 KRIV 26 TX 515  
1 10 KWEX 41 TX 380

LS 1 5 KAUT 43 OK 380  
(1 time snow free burst)

2 KOKH 25 OK 380  
1 28 KTBO 14 OK 380

1 16 KOKI 23 OK 473  
1 17 KCTC 41 OK 473

(STV program)

21 Es 0 9 WBRZ 2 LA  
0 5 0 unid ch 4 east

0 16 WWL 4 LA

**Jim Pizzi (continued)**  
 21 Es 0921 KATC 3 LA  
 ( 0 kHz- KENW-3)  
 (Es gone by 0945)  
 22 MS 0125 unid ch 7  
 0130 =WTHO 2 IN 981  
 Es 1140 WBEM 2 IL 1040  
 1145 unid ch 3 ne  
 (20 kHz- KENW-3)  
 (Es gone by 1208)  
 MS 1731 KTCA 2 MN 968  
 Tr 2315 K49AQ 49 TX 195  
 2318 K47## 47 ??  
 K42AG 42 OK 300  
 K4QAG 40 OK 300  
 2325 K38AM 38 OK 300  
 23 Tr 0013 K20## 20 ??  
 (W/KUPK, prev. w/KLEK)  
 0025 KAUT 43 OK 380  
 0026 KIDZ 24 TX  
 0033 KWTW 9 OK 380  
 0040 KITV 11 TX  
 0045 WFAA 8 TX  
 0047 KKAS 5 TX  
 (Above 4 near snow free)  
 0050 KOKH 25 OK 380  
 0056 KTBO 14 OK 380  
 0058 KRIV 26 TX 515  
 0102 KHIV 39 TX 515  
 (Above 4 - snow free)  
 0108 KTXH 20 TX 515  
 (Much weaker)  
 0109 K18ALT18 TX  
 0116 K55AM 55 NM  
 (Clovis KOAT- 7)  
 (Former xltr of KOB-4)

23 Tr Dallas-Fort Worth U's,  
 21, 27, 33,39, in from  
 2300 on October 22.  
 MS 0125 WINKT 11 FL  
 ( 0 kHz-KHOU-11)  
 0125 @KHOU 11 TX 515  
 0213 KCEN 6 TX 368  
 1008 KWET 12 OK 275  
 (Snow free)  
 1011 unid ch 51 xltr  
 (KLEK-13??)  
 24 Tr 0805 K49AQ 49 TX 195  
 0810 K47## 47 ??  
 0830 K51## 51 ??  
 (Unknown KFSA-10)  
 0900 K72CB 72 OK 291  
 (Arnett KFSA-10)  
 K70CF 70 OK 291  
 (Arnett KAMR- 4)  
 K74EF 74 OK 291  
 (Arnett KVII- 7)  
 0950 KWEX 41 TX 380  
 KEDT 16 TX 505  
 KVEO 23 TX 576  
 1000 KORO 28 TX 505  
 (CCI to KAMC-28)  
 26 MS 2121 WJEK 2 MI 1260  
 (Lots of MS in the PM  
 of the 26th and the AM  
 of the 27th.)  
 27 Tr 2240 KSWO 7 OK 289  
 (Not seen often)  
 MS 2355 WBEM 2 IL 1040  
 28 MS Lots more ms all day.  
 Tr 2200 Houston20,26 515  
 29 Tr 0008 KLAX 31 LA 644

29 Tr 0015 KADN 15 LA 684  
 0018 KVHP 29 LA 630  
 0020 WGNM 26 LA 819  
 30 Tr 0833 WGNM 26 LA 819  
 0834 KLEPA 25 LA 644  
 0836 KLPB 24 LA 684  
 0839 WRBT 33 LA 743  
 (Over KNEB-33)  
 0842 KLAX 31 LA 644  
 0845 WLPB 27 LA 743  
 (Over KTWS-27)  
 0854 WPML 15 AL 936  
 (Mobile- Pensacola ID)  
 0913 WALat 10 AL  
 (20 kHz-KBIM-10)  
 31 Tr 2000-2030 DFW 21, 27,  
 33, 39. Vy good.  
 2020 KNCT 46 TX 368  
 2025 Houston U's 515  
 (Weak)  
 2050 KLTS 24 LA 539  
 2240 KAVU 25 TX 468  
 (Sign/off- 2359)  
 2244 KEDT 16 TX 505  
 2247 KORO 28 TX 505  
 (Under KAMC-28 )  
 2301 =KXAS 5 TX

November 1983

1 Tr 0925 KGLD 11 KS 356  
 0926 KUPK 13 KS 360  
 0930 K16AB 16 OK 273  
 K53BE 53 OK 273  
 (Guymon LPTV-TBN)  
 1100 Houston U's 515

(Regarding unid of July 11, 1983 of XHTRM on channel 4). This station ID'd as channel 22. I found out TRM is on cable channel 22 in Mexico City. Location of XHTRM-4 is still unknown!

(Regarding unid channel 4 (TRM) on October 13 at 1754). I Plotted heading on this one (seen several times this year) - must be on the Yucatan, somewhere? Snow free and stable for twenty minutes - gone by 1823.

KRWG-22 a tough one! Ten thousand foot mountains between here and Las Cruces. Still looking for KIVA-12 at 375 miles, but several mountain ranges at ten thousand feet plus in the way.

I've never seen this much Es in October. Even FM on October 14. October 21 Es was probably MS induced.

I don't know if K18AL (tentative of 10-23) is on yet - station seen was very weak while Dallas-Fort Worth stations were at or near snow free levels. Also, channel 51 is a mystery - seemed to parallel KLEK - but very weak and couldn't really tell. KSW5- 8 is now a semi-satellite of KOB- 4 (also KIVA-12). KSW5 no longer with KCBD-11. KOB/KSW5 morning NBC schedule is central time while evening is mountain time - strange!

Some nice tropes building here for the fall season - hope it continues. October 24 trope brought a few new ones. Channels 47 and 51, I believe are in Clarendon, Texas as they are always in when K49AQ is in. Channel 20 seen before and on October 23 with KUPK and KLEK is probably in western Oklahoma (of KETA-13??).

Unusual amount of MS on October 20-29. Part of the Orionid shower, I'm sure. Peak on the 21st, but just as intense on the 25th-29th - strange!

Good to excellent tropes on October 29 to November 1. The 29th had KLAX-31 nearly snow free at times (except ID times - of course) with "Prime News 31", all state and local news. October 30th was great with WPML-15 in for over half an hour with good signals at 936 miles. Seen was an ad with "Mr. T" promo-ing Mobile-Pensacola, a "Watch What We're Doin' promo for WPML, and then into "Hour of Power."

The afternoon of October 30, I "screened" my CM 6' dish. I used regular window screen. For wire ties, I used six stranded guy wire cut 3" in length and unraveled for individual strands. Screening covers about 80% of the dish (no screen on lower left portion and directly behind sub reflector shadow). I also screened the sub-reflector. I did the same to Finco P-7 sub reflector last year, but used a sheet of aluminum (bottom of an old storm door). Now the CM 6 footer at 35' is almost (maybe a dB less) to the level of

**Jim Pizzi (continued)** the Finco P-7 at 70' with no screening. I wish I could get the Delhi feed for it. I remember a VUD write-up a few years ago claiming an additional 3 dB gain. Is Delhi still in business? If so, do they sell just the feed.

A new satellite feed service for LPTV's called "JPD Television Network" claims to be on a dozen LPTV's and looking for 40 by the end of the year. Old sitcoms (My Favorite Martian), movies, Dr. Who, and some women's shows.

I had an idea for non-ID TV stations. With club member input on non-ID slogans (Re: C-13 - WCEE, 20 Vision - KTXH) and possibly news slogans too (Scene 3 News - KENW, Eyewitness News - WTOG). This info could be included with DX reports or appear in "Television News" in the VUD. With more TV stations doing this now, I think it would help everyone. We could pencil the info into our TV station guides. The FM Atlas and FM News column non-ID information is a tremendous help in FM DX'ing, so I thought similar TV info would aid TV DX'ers. Comments anyone?

Well, that's it for now. Merry Christmas to all. 73's, Best of DX, Jim

(Great logging of WPML-15. Also, I think you may be correct about your mystery translators on channels 47 and 51 being from Clarendon. Are you still seeing K70DB (KAMR-4) and K74CJ (KFDA-10)? I suspect they have changed channels. K49AQ used to be K72CD. fm)

John Jefferson, 4016 Crest Ct., Pleasanton, CA 94566

My DX for late August and September. Zero. Now that that's done, during a visit to Kauai, I noted translators on channel 78 (KHON-2), 74 (KITV-4), 69 (KQMB-9), 67 (KHET-11), and 65 (KIKU-13). Does anyone happen to know the calls of these, just for the record?

(For the record, the calls are K78AR, K74BC, K69BZ, K67AZ, and K65BV. fm)

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, AOR Ltd. AR-2001 25-550 Mhz Scanner, three element 50 Mhz yagi beam, Grove Scanner Beam.

The last Es of the summer season was observed on September 4. Then, after six very quiet weeks, Es was observed on 19 October from 1700-1800 with relatively strong, but unidentifiable signals from China C1 and C2. On 20 October from 1700-1800, the same Chinese channels were seen, but from 1800-1830, outstanding Double-Hop propagation was observed as Sabah, Malaysia channel E3 was seen with good color and little multi-path distortion. By 1840, the Chinese stations appeared again, then faded out at 1900.

On 21 October, the AR-2001 scanner was delivered. This unit scans the complete range of 25-550 MHz in 5 kHz, 12.5 kHz, or 25 kHz steps and accepts AM (+/- 5 kHz, 0.5 microvolts), narrow-band FM (+/- 7.5 kHz, 0.3 microvolts), and wide-band FM (+/- 50 kHz, 1.0 microvolts). The selectivity and sensitivity figures appear to be quite accurate, after some preliminary monitoring in the 25-50 MHz and 200-400 MHz ranges. I have preset the unit's twenty memory channels to all of the TV audio frequencies below 110 MHz, and I hope to have some interesting DX to report next time. At least nothing will be missed. The AR-2001 is available from AOR Ltd., Mibe Bldg., 1-2-9 Higashi-Ueno, Taito-Ku, Tokyo, Japan, for 78,000 yen (about \$300). Write first for export information.

(That sounds like a receiver that I could make good use of. fm)

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

Equipment: RCA 1982 XL-100 color, J.C. Penney 5" b&w portable, Winegard CH-7084 with Winegard AC-4990 pre-amplifier at 28' above ground level.

**September 1983**  
 7 Tr 2008 K32AF 32 MN 106 0709 WSNS 44 IL 288 1714 K32AF 32 MN 106  
 (St. James KSTP- 5) 0726 @NMVT 36 WI 237 1807 KCBR 17 IA 178  
 17 Tr 0746 WMTV 15 WI 168 **October 1983**  
 0749 KDUB 40(WI) 145 18 Tr 0700 KCBR 17 IA 178 0710 KGMC 34 OK 656

This fall was not a good "season" for TV DX'ing! I guess that the weather was just not cooperative.

There were no new loggings on this report. On the 24th of this month, the Oklahoma City U's, KOKH-25 and KGMC-34 came in, but there was no sign of KTBO-14 or KAUT-43. I





**Fred McCormack (continued)** time, the Oklahoma City stations were at their best. The program running was the Zola Levitt religious program. A check with TV Guide showed that KXTX was indeed scheduled to run that program that night at that time. A further check with TV Guide showed that the only other channel 39 which I considered as remotely possible, WQRF in Rockford, was to carry Jerry Falwell at that time.

Other Dallas U's may have been in during that time, but I was unable to get any proof. Channel 33 was being dominated by KSPR from Springfield and channel 27 was a mess of CCI, but I believe it was mostly from KSN in Sioux City, the dominant stations, and KMTC in Springfield, which I did not identify. Similarly, channel 21 also had CCI, but again it seemed to be mostly, KTIN from Fort Dodge, and likely, KOZK from Springfield, which was not ID'd. Channel 39 is just one of those beautiful (for long haul tropo) channels with very little activity on it.

Hope DX is good for all and that everyone has a Merry Christmas!

(continued from page 7)

## SOUTHERN FM DX

Holbrook, cont.

DECEMBER 1983

7/2		7/30	
1036	107.9 WEMM Huntington, WV, g pgm	260	0930 93.3 WQOD Youngstown, OH, good, usually atop channel, QSLD early 60's WBDW
	92.7 WAMX Ashland, KY, often good	270	1039 100.1 WNIR Kent, OH, fair to good
7/9			1141 99.7 WSHH Pittsburgh, fairly good, one of poorest Pittsburgh stns. QSLed when WJAS.
1020	100.5 WKKE Huntington, WV	260	8/20
1020	100.5 WOMP Bellaire, OH, usually atop		0912 103.3 WCRF Cleveland, OH, in & out
	WKKE	160	1110 93.3 WZAK Cleveland, OH, strong at times w/deep fading, nil heavy WPOC QRM
0858	96.3 WAVA Martinsville, VA	220	8/27
	91.7 WEMC Harrisonburg, VA, good	80	1220 93.3 WXLK Roanoke, VA, briefly at 12:20 PM EDT squeezed between WRCV 92.1 and WING 92.5, both strong
	much of AM, now 1002.		
7/16		good	
0840	96.1 WHTX Pittsburgh, PA, ex-WXXK	140	
0954	90.0 WVPW Morgantown, WV	115	
1149	107.1 WNUJ Belpre, OH	200	
1158	107.1 WCKU Greensburg, PA	115	

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

9/25 tr  
0003 KRVS 88.7 LA Lafayette, ID, weak 505

This fall's tropo are unable to get off the ground to speak of, much like the last fall. Recently purchased a new Channelmaster 4408, and hope to have it up soon. Speaking of antennas, under mag. articles in Nov. Antenna News, I was intrigued with the title about ant. suspension by balloon and looked it up. Seems like a good, inexpensive alternative to a 100ft. + tower, as well as possibly a good application for open wire lead-in. Someone ought to give such a project a fair try in time for the spring tropo. Until next month, 73.

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



KKLV & KHAL Sourdough Broadcasters, Inc.  
3900 Old Seward Hwy Anchorage, Alaska 99503

NARROWS BROADCASTING CORP.  
KFSK-FM Stereo  
P. O. Box 149  
PETERSBURG, ALASKA 99833  
(907) 772-3770

Northern Television, Inc.  
KTVA Television, KBYR Radio, KNIK-FM  
1007 West 32nd Avenue  
ANCHORAGE, ALASKA 99503

# PHOTO-NEWS

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

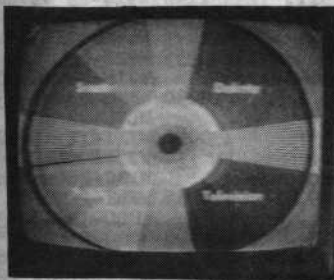
This month, some more of what Jim Pizzi has been seeing in New Mexico and some vintage tropo and meteor scatter as seen in Detroit by Paul Gaines.



KAMR-4 Amarillo, TX  
1100 mi. MS 0316 Jan. 24/80 (CP)



KAMU-15 College Station, TX  
441 mi. Tr Mar. 2/83 (CP)



KUSD-2 Vermillion, SD  
761 mi. Es July 12/82 (JP)



WNET-13 New York, NY  
490 mi. Tr Aug/78 (CP)



WVTM-13 Birmingham, AL  
645 mi. Tr from 1980 (CP)

Thanks to Jim (JP) and Paul (CP) for these photos. By the way, the KUSD TP is an example of the CBE or colour bullseye TP.

73's  
Mike

# EASTERN TV-DX

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

Eastern TV-DX  
September 1983  
10 Tr 0900 WPDE-15 SC  
0901 WKFT-40 NC  
WGFT-48 NC  
11 Tr 0005 W4AAA xltng  
WDEH-24; WNPB off

Wolf; continued---  
September 1983  
11 Tr 0730 WLYH-15 PA  
0825 WAAT-40 NJ  
0945 WKFT-40 NC  
September 1983  
11 Tr 2330 WJVT-52 NJ 152  
0415 WAEC-7 NY 200  
WCBS-2 NY "  
0420 WPIX-11 NY "

December 1983  
Bill Gilbert; 26 Terrill Lane, Kings Park, NY 11754 EDT?  
This is my first report. At 2130 WRGB-6 17mi. came in with audio on bottom of the FM band. Receiver is a Realistic DK-55. (No date given on above-wd)

Deadline: 1st

Jeff Wolf; 1131 University Blvd. W., Apt. 701, Silver Spring, MD 20902 EDT

May 1983  
7 Tr 0430 WAEC-7 NY 200  
0725 NC chs.11,22,25, 28,40  
to WXTV-41 NJ  
WHT-68 NJ  
PA chs.39,51  
0733 WOOT-57 SC t  
0814 WTVT-30 CT 283  
0830 WNYC-31 NY 200  
New York  
0850 WBBM-47 VA t  
14 Tr 0630 Youngstown 27,  
33.  
to WUAB-43 OH 293  
WAKR-23 OH 278  
0700 WPGH-53 PA 187  
21 Es 2000 WESH-2 FL  
24 Es 1821 muf to 88.1  
1829 Cuba-6 t  
1858 Cuba-3  
1900 WPHB-2 FL  
2340 KJRH-2 OK t  
26 Es 1810 WESH-2 FL  
1854 KJRH-2 OK 1000  
1930 KOET-3 OK  
30 Tr 1053 WLVT-39 PA  
1055 WFLA-44 PA 160

June 1983  
3 Es 2015 KJRH-2 OK 1000  
23 Tr 0230 WPTF-28 NC 251  
0254 WRAL-5 NC  
Raleigh  
(with 8 cci)  
0301 WVEC-4 NY 200  
0315 WDBJ-7 VA 226  
26 Es 1200 KSNC-2 KS  
Tr 2130 WFPB-64 DE  
27 Es 2200 unid-6  
2235 KJRH-2 OK  
2253 KTVI-2 MO  
2325 KFDD-3 TX 1183  
28 Es 0030 unid educ's ch.2  
29 Es 2259 KSNC-2 KS t  
30 Tr 0540 W64AO VA  
2328 NJ chs.52,58

July 1983  
1 Tr 0017 WLVI-56 MA 371  
WXTV-41 NY 196  
WHT-68 NJ 192  
WSNL-67 NY 234  
WQTV-68 MA t  
0020 WKNE-25 MA 371  
2 Tr 0715 WLVT-39 PA  
WTV-51 PA  
WTBY-54 NY t  
(cci over WNUV)  
0730 WXTV-41 NY  
0750 NC chs.22,48

July 1983  
2 Tr 0755 WNET-13 NY 200  
1500 WEAR-3 FL t  
2000 KTBS-3 LA 983  
KYTV-3 MD t  
2055 muf to 88.9  
4 Es 0030 KUSD-2 SD 1050  
(sign off)  
Tr 0800 WLTV-21 NY 218  
WSNL-67 NY  
0830 W61AN DE  
1600 NJ chs.23,52  
PA chs.15,49  
2110 WPTF-28 NC  
Es 2125 WPHB-2 FL t  
5 Es 1907 KQTV-2 MO  
unid French-3  
2100 KJRH-2 OK 1000  
2145 KUSD-2 SD t  
Tr 2235 WKFT-40 NC  
6 Tr 0015 NC chs. 11,22  
8 Tr 0730 Pittsburgh 40,  
53  
WYTV-33 OH 238  
Cleveland 43,  
61  
to W4AAA xltng  
WDEH; WNPB off.  
WEAO-49 OH t  
0800 WQPR-62 MI t  
Es 1000 WPHB-2 FL  
(local quality)

August 1983  
2 Tr 0525 WSET-13 VA  
3 Tr 1957 WUHQ-41 MI t  
9 Tr 0333 WAEC-7 NY 200  
14 Tr 0700 PA chs.15,27,  
33,49,51.  
0900 W48AA WV 114  
W42AC VA 66  
15 Tr 0030 Youngstown 27,  
33.  
0200 WPCB-40  
173  
Es 2320 WBAY-2 WI t  
2323 WBBM-2 IL t  
16 Es 0030 KUSD-2 SD 1050  
0100 KMTV-3 NE 950  
1830 WPHB-2 FL  
20 Tr 0730 WUNK-25 NC 244  
WUNJ-39 NC 336  
0925 WUNM-19 NC  
21 Tr 0210 Pittsburgh 40,53  
0658 Detroit 50,56,  
62  
393  
1000 Scranton 16,28  
160  
10 Tr 0729 WSNL-67 NY 234  
0745 WHT-68 NJ 192  
0900 Durham, NC 22,  
28.

Steve Sprachman; 39-16 48th st., 2nd floor, Sunnyside, NY 11104 EDT  
This is my last report in batchelorhood (although, by the time you read it, I will be well into married life.). The DXing here has been peer at best. There have only been a couple of days with traps in Sept. and Oct. Let me give you the highlights.

Sept. 2 Tr 2000-2400: 18, 20, 24, 30 and 59 CT; 17, 29 Philadelphia; 25, 38, 56 Boston; 36 Providence; 16 Salisbury; 22 Springfield, MA; 54 Poughkeepsie; 67 Smithtown; 33, 39, 51 Central PA.

Oct. 4 Tr 2115-2300: 25, 38, 44, 56, 68(without STV) Boston; 54 Poughkeepsie; 67 Smithtown; 20, 24, 30, 53 CT; 36 Providence; 23, 52 NJ; 29 Philadelphia. WQTV-68 came in so well, that I spent the evening watching "Cannon" reruns.

I think I have a solution to my ch.59 mystery. I wrote to Begner Antennas in Westbury, NY. They sent me an article from 8/14/83's New York Times stating that ch.59 was to broadcast university courses to home bound students. It was to start in Sept. but I can not get them here in Sunnyside. Each time I've been home in Seaford, there was no sign of them.

No sign of WBCT-43 Bridgeport or WTVU-59 New Haven yet. But Uncle Floyd has re-appeared on the NJ Network. So, I'll be watching TV a great deal this winter.

Michael Cunningham; Box 615, Cooper St., Harrisville, WV 26362 EDT?  
I've been a member for about a month now and have found this form of DXing to be very interesting. I wish I had gotten serious about earlier this year when I got KBTX and KIII in TX, KJRH in OK, WPHB, FL and others in NE, ND, SD, KS, and Canada. I tape all I.D.'s on the VCR if possible. The biggest problem I'm having getting started is finding the address's of stations so I can QSL. Where do you get these? (TV Factbook, TV Guide's etc. are good places to start -wd. I've called operator assistance and have gotten addresses also.) I'm planning to upgrade my equipment some time in early '84 with a Rohm HBK tower and a 7' parabola for UHF. The extra height is definitely needed as there are high hills all around me. That's it for this month. Any ideas on finding addresses would be appreciated. (All of the following DX is from Oct.-wd)

2 Tr 1730 WQED-13 PA	3 Tr 0544 WKYC-3 OH	19 Tr 0433 WHIO-7 OH
3 Tr 0002 WPEX-33 WV	0545 WTAR-4 PA	0434 WHSB-10 OH
0030 WHLZ-18 OH	0546 WICU-12 PA	0437 WCPQ-9 OH
0059 WDLI-17 OH	0556 WSKB-35 PA	0510 WTVN-6 OH
0106 WYTV-33 OH	0600 WPMJ-21 OH	0538 WTVG-9 OH
0115 WUAB-43 OH	0601 WPTT-22 PA	21 Tr 0205 WTVG-13 OH
0133 WCLQ-61 OH	8 Tr 0615 WXII-12 NC	0212 WJMN-8 OH
0520 WAKB-23 OH	16 Tr 0300 CJPL-10 OH	0213 WTVG-9 OH
0521 WKEN-27 OH	0338 WTKW-8 OH	0217 WTOL-11 OH
0542 WJET-24 PA	19 Tr 0430 WDEM-2 OH	8 Tr 0623 WSOC-9 NC

Equipment: RCA XL100 color remote. Sanyo 4300 VCR, Radio Shack VU-110 ant. 20 ft. a.g. with Radio Shack preamp.

Ralph Streebel; 2300 E. Mc Galliard Rd., Muncie, IN 47303 EST?

June 1983  
15 Es 1400 XHPM-3 COA  
Piedras Negras  
1429 KMID-2 TX  
KACB-3 TX  
1720 KFTX-3 TX  
Bryan  
1800 KMOL-4 TX  
22 Es 1128 KPRC-2 TX  
25 Es 1758 " "  
1817 KIII-3 TX  
1853 KACB-3 TX  
26 Es 1900 KMID-2 TX

June 1983  
26 Es 1930 KENW-3 NM  
2132 KAMB-4 TX  
28 Es 0059 KMID-2 TX  
0159 KENW-3 NM  
1300 KWGN-2 CO  
2100 KTWO-2 WY  
30 Es 1014 KRFB-3 NJ  
Monterrey  
1050 XEPM-2 CHIH

July 1983  
1 Es 1943 KWGN-2 CO

July 1983  
2 Es 1317 KTWO-2 WY  
3 Es 1600 KPRC-2 TX  
1606 KRFB-3 NJ  
1800 WEDU-3 FL  
1930 KENS-5 TX  
4 Es 1335 KIII-3 TX  
7 Tr 0300 WTVG-9 OH  
Tupelo-Columbus  
8 Es 1100 KRGV-5 TX  
1211 KENS-5 TX  
2203 KMID-2 TX  
12 Es 1200 KRGV-5 TX

Eastern TV-DX

July 1983
12 Es 1249 KRFB-3 MI
1259 KIII-3 TX
1800 KENW-3 NM
14 Es 1805 KMID-2 TX
1959 KENW-3 NM
18 Es 1700 WPHR-2 FL
1932 KMID-2 TX
2007 XEPM-2 CHIH
2058 KENW-3 NM
22 Es 1900 KMID-2 TX
2000 KACB-3 TX
2301 KES-5 TX

Strebel; continued---

July 1983
23 Es 1300 KMID-2 TX
1500 KENW-3 NM
24 Es 1830 WESH-2 FL
Daytona Beach-Orlando
1930 WCRG-5 AL
Mobile
25 Es 0032 KMID-2 TX

December 1983

July 1983
25 Es 0101 KIII-3 TX
(bath sign off)
29 Es 1300 KRTX-3 TX
1500 KENW-3 NM
31 Es 1713 KJRH-2 OK
Tulsa
1729 KFDX-3 TX
Wichita Falls
1730 KOCO-5 OK
Oklahoma City

October 1983
10 Tr 0203 KOLR-10 (s/off)

The past two summers I have checked out and began logging TV stations, especially those seen by skip. I was home most of the time, so doubt that I missed much. Yet, there didn't seem to be much to be found. Guess I was lucky to find anything, as all I have is a non-rotatable antenna pointed southwest toward Indianapolis. It is a good indicator for skip, but that's about all.

I would like to put up decent antennas with retars, but the TV men in this town are worse than idiots. They know nothing! They had never heard of stacking antennas. I have spoken with all of them. All they advise is this: "Just get cable and then you'll see everything you want to see!" I could kill!! (New settle down Ralph, remember your blood pressure.hill-wd) What a bunch of morons!

Stations seen last summer (1982) but not this past summer, include: Tele-Rebels-5 Santiago, Cuba; WML-4 LA; KCKY-2(now KSNV-wd) KS, ICR-TV6-2 Havana Cuba, WBRZ-2 LA, KLMR-3 NE, & KATC-3 LA.

Bill Fabber; 336 Atlantic St., Bridgeton, NJ 08302 EDT

September 1983

2 2150 Maryland Public Broadcasting on ch.59. Didn't see an I.D. I suspect W6AL in New York might be picking up WWPB-67 and relaying it on ch.59. Could this be the cause of some of Steven Sprachman's mysterious loggings? No trace of WUNM-19 despite excellent DX this evening.

12-I first picked up 240 hz esi on WRLH-35 NC at 0009. It wasn't from W35AB, which was causing several khs esi. WRLH signed off at 0023 after which I was able to make out the third station. I flipped when I heard the I.D. at 0030: WDFL in Orlando, FL! My farthest trope ever! This is the kind I thought you only read about in DX columns. Six weeks later and they still didn't QSL.

30-Vermont logging is the first time anything farther north than Boston ever came in on trope. September has been really great for DX.

I have been receiving unusual signals during the day. The latest video coin-operated game, "Wizards of War", has been appearing on channels 15 thru 22 during the day. It runs close to NTSC rate, but the picture is upside down. Signals are coming from a grocery store about 200' from my antenna. Maybe the FCC should assign the video game its own call letters. Fortunately they shut it off in the evening.

According to astronomy magazines the Perseid meteor shower is getting weaker. 1983 was poor.

June 1983

30 Tr 2300 WHCT-18 CT
WCDC-19 MA
WVIT-30 CT
WSEK-38 MA
WSEH-36 RI t
Tidewater 10, 13,15,27,33, Onanosek 25,41
44,60 all in clear.

July 1983

3 Es 2028 Unid-6 TX
2045 " chs2-6
2101 KKAS-5 TX
25 Es 2022 Unids 2-6
2100 KJAC-4 TX
26 Tr 2045 WVIT-30 CT
WSEH-36 RI t
Onanosek xltres
Tidewater 27, 33.
29 Tr 2330 WUNJ-39 NC
WUNM-19 NC
Tidewater 3(rare),
10,13,15,27,33.

July 1983

29 Tr 2330 Onanosek xltres
August 1983
9 Es 2255 wuf ch.4
15 Es KMTV-3 NE + unids
16 Es 0005 Unid-3
1935 Unid384
25 Tr 2325 WUNM-19 NC
WVIT-30 CT
26 Tr 0010 WEDH-53 CT
0015 W62AU PA
0030 WCTI-12 NC
27 Tr 0815 WUNM-19 NC

Eastern TV-DX

August 1983
27 Tr 0815 WVIT-30 CT

September 1983

1 Tr 2340 WSEK-38 MA
Tidewater 15,27 33, 10, 13 (last two weak)
WVIT-30 CT
2350 W52AB VA
Onanosek xltres in weak.
2355 WKNE-25 MA
2 Tr 0023 WSKG-46 NY t
2150 WEDH-24 CT
WVIT-30 CT
WSEH-36 RI
WEDM-49 CT
WLVI-56 MA
ch.59(see note)
2210 WEDM-53 CT
WVIT-53 VA
(60-80hz apart)
2220 Unid-42 PBS; SW
WDRH-8 CT
WSEK-38 MA
WCVB-5 MA
Boston.
(10hz over WTTG)
2245 W62 AY MD
W62AU PA
2248 WVIR-29 VA
2253 WHCT-18 CT
(In clear; previously no trace of signal.)
2305 WSMN-27 MA

Fabber; continued---

September 1983

11 Tr 2327 W4IAC(rebroadcasting WTVD-11 on ch.42.)
WTVD-11 NC
12 Tr 0006 W25AA rebroadcasting WBOC-16 on ch.26.)
0009 WRLH-35 NC (see note)
0015 Craddockville
52,58,63,68.
0030 WDFL-35 FL
0036 WHCT-9 NC
0051 WITN-7 NC
0054 WCTI-12 NC
0101 WPTF-28 NC
18 Tr 2240 WHCT-18 CT
WEDH-24 CT
WSMN-27 MA
WVIT-30 CT
WDRH-8 CT
NYC V's in strong.
20 Tr 0000 WEMC-23 SC
0015 WLFL-22 NC
WITN-7 NC
0050 WDPB-12 relaying WHET-12
W25AA relaying WBOC on 26
W52AB " " 53
W63AM VA
W61AL relaying WWSG-57
W68EH VA
30 Tr 0015 WMG-34 NY
9 Tr 0008 WGGT-48 NC
W6KG-46 NY
WCDC-19 MA
0023 Saranton 16,22,28
44(very strong)
0029 WJPR-31 NE Hanover

October 1983

4 Tr 2208 WSEH-36 RI
WSEK-38 MA
WCDC-19 MA
360 hz esi over WCDC; source unknown.
Tidewater U's in clear.
Onanosek U's in clear.
WEDH-24 CT
WVIT-30 CT
Unid PBS on 36.
2135 WHCT-18 CT
WUNM-19 NC
2147 WITN-7 NC
465 hz esi over WVIT-53.
WEDM-53 CT t
2221 WSMN-27 MA
WSEK-38 MA
WEDM-49 CT
WLVI-56 MA
W59AA CT
(pretty strong for a xltr.)
WDRH-8 CT

Paul Gaines; 19500 W. Mc Nichols Rd., Detroit, MI 48219

Sure seems strange to see your DX report in the West. Thanks for updating call letters. I don't always get or wait around for them, when DX is in. Like you might hear the city only( like "Teleds 11") because of fading. I was really surprised to see TV Statistics. It is an honor to be listed there for me with you and Bob. I know there are people that have more I.D.'s than me (totals). Maybe they're not in the club any more. Yes, Bob Seybold has been good to me. At the Chicago convention I got up in front of the crowd and said we should move his "mountain" and put it in Lake Erie (or someplace). He laughed. He knew we couldn't do it. We shared a room together there. Does this mean he forgave me or just a good sport. Okay. He got back at me. I would come into our room and I would hear this great DX. Dam! I would look at that lousy hotel TV--it was off. He was running his tapes. So it is an honor to be listed with you both and the other DXers. I learned from you both.

I have gotten some good pick ups for me. Finally got WITF-33 and look at the time I got it. Lucky. I got up late and was just turning across the dial, missed the call letters but heard MD Public Broadcasting, wow! Not in my book -checked with Gen. Grant and then phoned Steve West. Wrote and got this xltr in Deer Park, MD (near Oakland), lkw acrodyne off air signal from WWPB-31, Clear Springs, MD.

August 1983

10 Tr 0816 WPEO-42 OH 255
0818 W31AA OH 165
0838 WAND-17 IL 340
0844 WTIU-30 IN 280
0845 WLKY-32 KY 310
16 Tr 0843 W46AB NY 180
0844 W26AA NY 195
17 Tr 0118 CHLFT-44 ON 270
0716 WLEX-18 KY 305
19 Tr 0144 CICO-19 ON 300

August 1983

19 Tr 0150 CKNC-9 ON 300
0258 WHEC-10 NY 280
0259 WOKR-13 NY "
0442 WOKW-13 WV "
0505 WNEP-16 PA 385
0510 WDAU-22 PA "
0512 WBTM-18 NY 320
0530 WBRB-28 PA 385
0554 WICZ-40 NY 365
0608 WVAH-23 WV 290

August 1983

19 Tr 0615 WENY-36 NY 320
0620 WSKG-46 NY 365
0624 W26AA NY 195
0626 WVIA-44 PA 385
0655 WLYH-15 PA 375
1101 WITF-33 PA 355
Hershey-Harris.
1223 W46AB NY 180
20 Tr 1055 WMTV-15 WI 315
1100 WVCY-30 WI 245

**Eastern TV-DX**

**August 1983**

20 Tr 1138 WKOW-27 WI 315  
 1154 KRIN-32 IA 450  
 1212 KDUB-40 IA 375  
 1214 WQRP-39 IL 300  
 21 Tr 0036 WRO-17 IL "  
 0038 WQRP-39 IL "  
 0104 WIGS-20 IL 375  
 0114 WICD-15 IL 305  
 0242 WQWK-13 WV 280  
 0540 WCAU-10 PA 445  
 05-- WJAC-6 PA 260  
 0551 WPHL-17 PA 445  
 Philadelphia  
 0618 WTAJ-10 PA 275  
 0643 WTAJ-29 PA 445  
 0651 WNEP-16 PA 385  
 0710 WKBS-48 PA 445  
 0745 WRRB-28 PA 380  
 0747 WVIA-44 PA 385  
 0752 WBBV-65 NJ 460  
 Vineland

24 Tr 0847 WMTV-15 WI 315  
 0925 WKOW-27 WI "  
 25 Tr 0117 WBAK-38 IN 290  
 0125 WLKY-32 KY 310  
 0143 WDRB-41 KY "  
 0303 WQWK-13 WV 280  
 0827 WVAH-23 WV 290  
 0833 WLEX-18 KY 305  
 0903 WNEP-16 PA 385  
 26 Tr 0219 CKCO-42 OH  
 (running on ch27) 29 Tr 0257 WKYT-27 KY 305

Equipment: Magnavox 13" color portable. 95' lead in, 6' CM dish and CM 1110  
 WIF ant., no preamps.

**William R. Hepburn: Eureka, NWT Canada XGA 000**

Not much DX up here in the dark frozen tundra. Nothing to report. I have been monitoring different channels on the Anik "A" satellite and have been noticing that there is no set schedule as to who transmits and when. At the weather station we can remotely change channels on the satellite receiver 5 1/2 miles away, thus changing what station is rebroadcast on our 1 watt TV station on channel 9 - the world's most northern TV transmitter (80°N). Here is a list of what I've seen so far. Anik "A" is a 12 ch. transponder, 4 Ghz band.

Ch.4: CBMT St. Johns, NF(CBC); CBUT Vancouver, BC(CBC); CBMT Montreal, PQ(CBC); CBMT Winnipeg, MB(CBC); WCBS-New York, NY(CBS).

Ch.6: CBC North (West)

Ch.7: CKGN Toronto, ON (Global); CITV Edmonton, AB (ITV); CKND Winnipeg, MB (Ind.); WABC New York, NY (ABC); WNBC New York, (NBC); NEW Music Net.

Ch.8: CBFT Montreal, PQ (SBC); Ch.9: CHLT Toronto, ON (CBC); Ch.10: CBC North (East); CFFB Probinsher, NWT (IBC); CBXT Edmonton, AB (CBC).

Ch.9 Eureka normally rebroadcasts CBC North (East). By the way, IBC stands for Inuit Broadcasting Corp.

**George Rogers: 320 Lafayette Rd., Chickasawga, GA 30707 EDT**

**August 1983**

31 Tr 1455 WCTE-22 TN 105  
 1945 WTVK-26 TN 111  
 1955 WATL-36 GA 113

**September 1983**

5 Tr 0817 WVTM-13 AL 145  
 0820 WCIA-11 GA 113  
 8 Tr 0810 WTVF-5 TN 129  
 0820 WDCN-8 TN "

**Gaines; continued---**

**August 1983**

30 Tr 0830 W36AB MD 280  
 Oakland  
**September 1983**  
 3 Tr 1009 WRAU-19 IL 345  
 4 Tr 0357 CKNC-9 ON 300  
 0835 CHLT-32 ON 360  
 0858 WNP1-18 NY 415  
 1022 WNP1-16 NY 375  
 5 Tr 0105 CKNC-9 ON 300  
 9 Tr 0132 CHLT-15 ON 310  
 0156 WTEY-54 NY 470  
 Poughkeepsie

0205 WTXK-20 CT 515  
 11 Tr 0843 WMBD-31 IL 345  
 0858 WFLA-43 FL 320  
 Bloomington

12 Tr 0757 WICD-15 IL 305  
 0929 WRAU-19 IL 345  
 0939 WEEK-25 IL "  
 0943 WAND-17 IL 340  
 0946 WILL-12 IL 305  
 1020 WTVF-47 IL 345  
 1025 WMBD-31 IL "

25 Tr 0837 WICD-15 IL 305  
 28 Tr 0240 WTAJ-10 PA 275  
 0829 WBOY-12 WV 260  
 2242 W17AA OH 145  
 2254 WVAH-23 WV 290  
 2302 W64AK OH 125  
 2337 W69AO OH 140

29 Tr 0257 WKYT-27 KY 305

**December 1983**

**September 1983**

29 Tr 0737 WLKY-32 KY 310  
 0746 WLEX-18 KY 305  
 1024 WAND-17 IL 340  
 1029 WKPC-15 KY 310  
 1053 WKSO-29 KY 370  
 30 Tr 0003 WNP1-16 NY 375  
 0054 WRAU-19 IL 345  
 0056 WEEK-25 IL "  
 0057 WMBD-31 IL "  
 0216 WICD-15 IL 305  
 0312 WTVS audie on ch.38.  
 0824 WKPC-15 KY 310  
 0837 WLEX-18 KY 305

**October 1983**

1 Tr 0003 WNP1-16 NY 375  
 0043 WBAK-38 IN 290  
 0044 WAND-17 IL 340  
 0051 WICD-15 IL 305  
 0201 WIGS-20 IL 375  
 2 Tr 2027 WMOZ 103-5 hrd on ch.39.  
 9 Tr 2244 KFVS-12 MO 475  
 10 Tr 0823 KPLR-11 MO 450  
 0830 KOLR-10 MO 630  
 0855 KCHJ-17 MO 525  
 0923 KSPR-33 MO 630  
 0934 KMTC-27 MO "  
 1009 KSNP-16 MO 690  
 1025 KRCG-13 MO 530  
 1051 KOZK-21 MO 630  
 2215 WAND, WILL, WICD



Bob Seybold  
 Bennett Rd. RD#2  
 Dunkirk, N.Y. 14048

**DECEMBER, 1983**

**TV STATISTICS**

Here are a few updates which deserve mention. Let's see some more....

Fred McCormick, Fargo, N.D. 379 77 105 113 1 2 43 6 1 1974  
 " " Des Lacs, N.D. Total UHF-XLTR- ES MS Au- US- CN-MX-YB  
 " " 373 28 31 213 45 0 40 7 2 1964  
 Jim Pizzi, Lovington, NM. 389 149 85 148 5 0 0 0 1981  
 Bob E. Schweitzer-N.J. 156 103 14 4 0 0 16 1976  
 Tom Yingling, Baltimore, MD 228 136 19 104 12 0 0 0 Qsled total  
 " " total seen-- 460 228 44 188 12 0 0 0 1970  
 mistake above--Tom's verie total is 342, not 228...  
 Frank Wheeler, Erie, Pa. 289 61 1 122 5 2 9 1955

Below are some Dixer's personal records worth mentioning--submit yours

Frank Wheeler, Erie, Pa- ERCA ch4 Los Angeles 2117 miles ES  
 CBUT ch2 Vancouver 2117 " "  
 WLUC ch6 Marquette 482 " tropes  
 WTHI ch10 Terre Haute 456 " "  
 WAND ch17 Decatur 481 " tropes  
 Bob E. Schweitzer UHF--  
 E. Brunswick, NJ. WLBT ch3 Jackson, Miss 1029 " ES  
 WCCO ch4 Minneapolis 996 " "  
 WREG ch3 Memphis 912 " "  
 WSM ch4 Nashville 725 " "

Jim Pizzi Lovington, N.M. K38AK Ponca City, OK. 429 miles (best Xlator)

ch7-KATV--644 miles ch12 KBMT 574 miles -ch14 KLA 662 miles  
 8- KTUL 473 " ch13 WVTM 959 miles ch15 KADN 684 "  
 9WAFB 743 " ch17 WDLI 1310 " 16 WAPT 772 "  
 10 KLFY 684 " 17 WWMA 1170 " 18 KLTN 630 "  
 11 WKLA 1098 " 17 WTBS 1098 " 19 WWSB 878 "  
 20 KTVH 515 " 21 KOZK 635 " 23 KVEO 576 "  
 24 KLPB 684 " 25 KAVU 468 " 26 WGN 819 "  
 27 WLPB 743 " 28 KCRD 505 miles 29 KVHP 630 "  
 33 WRBT 743 miles 39 KHTV 515 " 40 KHBS 540 "  
 41 KSHB 630 " 44 WTOG 1310 " 49 KLDH 585 "  
 50 KYFC 630 " 60 KZLN 576 "

That's it for this month. Let's see your report soon. Next stats column in couple months depending upon your reports.

(continued from page 40)

**Eastern TV-DX**

**October 1983**

4 Tr 2150 WGRB-34 KY 215  
 2205 WPKB-29 KY 277  
 12 Tr 1958 WKZT-23 KY 275  
 Elizabethtown  
 14 Tr 2100 WGTW-8 GA 130  
 2105 WTVK-26 TN 111  
 15 Tr 0840 WEMG-42 AL 145  
 0842 WEMA-40 AL 110

**Rogers; continued---**

**October 1983**

15 Tr 0845 WITO-21 AL 145  
 0850 WETV-30 GA 113  
 0854 WBCA-27 FL 360  
 Tallahassee  
 0905 WVTM-13 AL 145  
 0922 WDAM-7 MS 382  
 0930 WWSB-27 MS 265  
 West Point

**December 1983**

15 Tr 0947 WQWL-15 AL 177  
 1035 WMAA-29 MS 389  
 17 Tr 0820 WJSP-28 GA 208  
 0905 WHIQ-25 AL 105  
 0955 WEMA-40 AL 110  
 1025 WLTX-38 GA 224  
 22 Es 1200 KNOP-2 1000  
 1215 KTWQ-2 1250

I had a very poor September in which my RCA 12" portable fouled up and blew out so I bought a Zenith 12" portable model #ET 120 Y. It is doing some good because I get better UHF reception with it. The last two months had been pretty good. There was rare, late September Es. on the 26th when I've pulled in Mexico. I need help with the I.D. of a station that I got via Es on ch.2. (Send details to Robert Grant.-wd). I wish all fellow WFPDA members a very merry Christmas and a happy DX-full New Year. (Merry Christmas, etc.-wd)

# C.C.I. [UNIDENTIFIED DX]

Robert Grant, KDBEN  
5775 Bishop  
Detroit, MI 48224.  
December, 1983.

## TV unIDs:

Saul Chernos, 79 Ridge Drive, Toronto, Ontario, M4T 1B6, Canada.  
1983: Sat 18 Jun Es ch 2 1253 EDT-- TP w/CDT time. (PTA:MS,AR.) (The drawing you mentioned was not found in or on the envelope. But I won't need it. You definitely had WMAB. -RG)  
Fri 1 Jul Es ch 2 1525 EDT-- TP w/no data at all. (PTA: ND,SK,MB,SD,MN.) (possibilities: KGFE, CBWFT2.-RG)  
Tue 19 Jul Es ch 2 1800 EDT-- promo for "Three's Company", "Weekdays on TV-2 at 5:30" (PTA for all 19 Jul TV is West.)  
" " " " ch 4 1820 EDT-- CBS nx & "Eyewitness nx" mentioned. (Likely KXJB or WCCO-RG)  
" " " " ch 4 1821 EDT-- "Sesame Street" (possib.: CBWFT2,CBKMT,KWSE,KWCW,KALD. -RG)  
" " " " ch 4 1858 EDT-- "Work And Mindy"  
" " " " ch 5 1901 EDT-- ad for "KI-96" radio and mention of Manitoba. (Saul asks if there is a CKX-FM.) (Don't ask me! I'm still using a 14th Vane Jones which has only 1/2 a page for Canadian FM. tho an FM ATLAS is on order from HQ. -RG)  
" " " " ch 2 1920 EDT-- "The Jeffersons"  
Sun 24 Jul Es ch 2 1408 EDT-- TP w/CDT time (PTA: MS,LA,FL,TX,TN.) (WMAB again. -RG)  
Mon 1 Aug Es chs 3&4 1119 EDT-- // w/ "Too Close For Comfort" (Regular ABC time. -RG)

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.

1983: Tue 15 Aug Es ch 5 2245 MDT-- "M\*A\*S\*H" (PTA: CA,OR,WA.)  
Tue 6 Sep Tr ch 47 0930 MDT-- xiting KAMR-4, Amarillo, TX. (PTA: TX Panhandle, OK.)  
" " " " ch 44 1000 MDT-- xiting an OETA station. (PTA: OK.) (Jim mentioned KWET-12, one of the OETA stns. Does this mean you know it was xiting KWET and not another OETA? -RG)  
Sun 2 Oct Es ch 6 1403 MDT-- CBS FB: Philadelphia vs. Atlanta. (not // to lcl, PTA: E.)  
" " " " ch 2 1420 MDT-- "Kung Fu" (PTA: E) (WFMJ also in with FB.)  
" " " " ch 2 1505 MDT-- program about the eye (?) (PBS? Not on any PBS sat feed.)  
" " " " ch 3 1505 MDT-- concert (PBS?)  
" " " " ch 4 1556 MDT-- nazi movie in SS. (which means "Spanish Speaking", not "Secret Service") (another reporter asked.) ID slide at 1610. (see drawing 1.) (PTA: MK)

## FM unIDs:

Saul Chernos, 79 Ridge Drive, Toronto, Ontario, M4T 1B6, Canada.

1983: Wed 08 Jun Es 92.9 2011 EDT-- Is KKBQ on 92.9 yet or 92.5? hard to tell. (I wasn't even aware they were switching. Now that you mention it, I'm not sure whether they were on 92.5 or 1.9 when I logged them up north on July 24th. -RG)  
" " " " 92.5 2048 EDT-- non ID as "JDL" (PTA: TX,MS,LA.)  
" " " " 96.7 2050 EDT-- non ID as "QIZ" (May be 96.9, PTA: TX,LA,MS.)  
" " " " 94.3 2100 EDT-- Sheridan Radio Network nx. (PTA: TX,LA,MS.) (Sheridan is a Black-oriented network formerly known as Mutual Black Network. check d,s and maybe g format stations on 94.3 for this network. -RG)  
Thu 23 Jun Tr 101.7 0438 EDT-- "Larry King Show" (PTA: OH,PA,MI,NY,WV,VA,IL,IN.)  
Sat 25 Jun Es 96.9 2220 EDT-- Houston Astros BB. (PTA Obvious.)  
Sun 26 Jun Es 95.1 1252 EDT-- calls sounded like "KING" (PTA: OK,CO,MO,KS,SD.)  
Wed 29 Jun Es 97.9 2123 EDT-- ad for "Joey's Food Store" (PTA: TX,LA,MS.)  
" " " " 90.1 2138 EDT-- SS, sounded political. (PTA: MS,LA,TX.)  
Thu 14 Jul Es 107.3 1953 EDT-- K.C. Royals' BB.  
" " " " 92.1 2008 EDT-- " " "  
" " " " 102.9 2210 EDT-- "SIR or KSTR; "K-Star" slogan. (PTA: OK,AR,TX,MS,LA.)  
Sat 23 Jul Es 90.7 1300 EDT-- "AM-1480" mentioned; d or s format, may be 90.5. (PTA: KS,OK,TX,GA,FL,LA,MS,AL.) (I could find no educational stations on 1480. and since AM stations aren't allowed to have FM xtrs. (dumb rule- I think) I strongly suspect an illegal translator. -RG)  
Sun 24 Jul Es 89.3 1028 EDT-- gospel "Bible Study Hour" (PTA: FL,AL,SC.)  
" " " " 92.3 1031 EDT-- "American Country Countdown" (PTA: FL,AL,SC.)  
" " " " 90.1 1238 EDT-- SS (PTA: FL,SC,AL.)  
" " " " 92.5 1948 EDT-- or 92.7, SS (PTA: FL,LA,MS,TN.)  
" " " " 91.5 2153 EDT-- or 91.7 SS ID "Esterco Amistad" (PTA: LA,MS,IN,FL.)  
" " " " 102.9 2210 EDT-- or 103.1 non-ID as "The Big X" & mention of coverage area being North FL & ... (fade out).

## CGI- unidentified DX.

December, 1983.

## FM unIDs, cont.:

Saul Chernos, continued.:

1983: Wed 27 Jul Es 94.3 1235 EDT-- or 94.1 w/ station phone # 824-9494. (PTA: OK,TN,LA.)  
Tue 16 Aug Es 90.1 0036 EDT-- syndicated c mx pgm "Music Mountain" (PTA: OK,KS,AR.)  
Fri 19 Aug Tr 101.5 0030 EDT-- "Larry King Show" & Mutual nx. maybe '3 or '7 (PTA: MI,OH,IL,WV.)  
" " " " 104.5 0125 EDT-- "Larry King Show"  
" " " " 91.3 0135 EDT-- jazz w/ request line # 368-2208. (PTA: OH,MI,WV,IL.)  
Sun 21 Aug Tr 91.5 1802 EDT-- SS (PTA: MI,OH,PA.)  
" " " " 100.9 1855 EDT-- seemed like SS, suspect the same stn another DKer heard w/Polish by Es to the same region (MI,OH,PA.)

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.

1983: Sun 26 Jun Es 98.1 2003 MDT-- "Amazing 98" "98-PM" (PTA: NEast.)  
Sat 13 Aug MS 98.3 1530 MDT-- "... Ping Pong Polka at 98..." (PTA: NEast)  
Sun 14 Aug MS 98.5 0038 MDT-- "... on Z-98..." (PTA: NEast.)

## TV IDs:

Tom Yingling:

1983: Sat 9 Jul Es ch 3 1937 EDT-- "Doctor Who" (Robert Goodman says that he has seen this pgm on WEDU but forgot at what time he saw it. -RG)

Ronald Purdue:

1983: Tue 5 Jul Es ch 4 1856 CDT-- "Family Feud" (Robert Goodman and Eric Fader IDed this as WNBC in New York City.)

Jim Pizzi:

1983: Sat 4 Jun Es ch 4 2031 MDT-- (Saul Chernos reaffirms your logging of WTAE, being ABC, covering Duquesne, and PA PTA.)

## FM IDs:

Jim Pizzi:

1983: Fri 6 May Es 92.1 1432 MDT-- mentioned Dalton, GA. (Saul Chernos points out there is a station in Dawson.) (WHIA. But Dawson is not near Dalton. About 1/2 the 92.1 stations in GA are in towns that are not on the map. -RG)  
1983: Mon 11 Jul Es 91.5 1700 MDT-- "Keep in touch with us on 92.7, 95.7 & 91.5." (the 1977 World Radio TV Handbook lists stations on 92.7 & 95.7 used by Radio Jamaica Limited (RJR) -Eric Fader.)

Robert Grant:

1983: Sat 9 Apr Tr 103.1 2100 EST-- FF Hockey game. (Saul Chernos and Frank Merrill IDed this as CBEF in Leamington, ON. Thanks. Now I notice that on the CBEF (AM 540) sign on they mention the FM relay. I had always thought the mention of "Leamington" was about their AM 540 transmitter site. Is the AM transmitter close to Windsor? Is the directional pattern "nulled" away from Leamington? -RG)  
Sun 3 Jul Es 93.3 2042 EDT-- "Kicker Country, KCKR" (Ralph Strobel IDed this as a new station in Crockett, TX on 93.5.) (TNX. When I first heard this I wrote down 93.5, but changed it to 93.3. Oh, the pitfalls of DXing with an analog tuner with an itty-bitty dial. I didn't expect to get class A Es on a car setup. I have a lot to learn about FM DX. -RG)

Bill Draeb asks if WCLQ-61 is still STV (not anymore, tnx for the WJJC-63 sked. -RG)  
Thanks also to all the CCI reporters who have kept the column going for the past two years. and hopefully, will keep it going for many more.  
This season is a "barnburner" on AM BCB so far. I just discovered I forgot to use paragraph indentations. Sorry about that. 73 for now & Merry Christmas (or in SS: Feliz Navidad)

# see you all next YEAR!!