

From The STAFF

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

SPECIAL ISSUE... You may notice that this month's VUD is a bit more full than is usual for March, which usually reflects the mid-winter slump in VHF and UHF DXing activity. To help you celebrate the coming end of winter, we have a special FCC FM feature on FM translators. We also feature a double Northern FM column this month, due to the fact that last month's scheduled column was somehow delayed at the border.

WTFDA STAFF CHANGES... WTFDA's ANARC representative, Steve Sprachman, has joined the club's Board of Directors, replacing Pete Oprisko, who stepped down as of January. As a VUD column editor for the past year or so, Steve has been keeping you up-to-date on ANARC activities; now, Steve will be able to sneak for WTFDA as a club official. We welcome Steve to the club management. Traditionally, this group has been quite "loose"—the five members who perform most of the essential tasks in getting the VUD out every month. In practice, the club has been governed on a "management by objective" basis, but all the RoD members have to participate in major club decisions. We welcome your comments on all club matters.

NEW VUD TECHNICAL EDITOR... We are also proud to welcome Tim McVey to the editorial staff of the VUD. Tim will assume the position of technical editor, and will be responsible for the TECHNICAL TOPICS column. Additionally, the technical editor will be looking for members to contribute their own technical hints to the VUD. Your hints and suggestions should go to Tim at: Route 3, Box 568, Riolivar TN 39008.

THINK SUMMER... And while you're thinking about it, don't forget to start thinking about WTFDA's 1984 Convention, to be hosted by Mike Lapinski in the Jamestown NY area August 3rd to 5th. Advance word has it that room rates and the convention registration fee will both be quite reasonable—and once again, it's taking place in western New York's very scenic Chautauqua region, where interesting DX conditions are almost guaranteed!

RITS... We are planning to conduct a membership drive, at the suggestion of many members. After dropping to its lowest point in eight years, membership appears to be on a fairly rapid rise again. As one re-joining member put it: "the recession seems to be on the wane—and the DX conditions have been very interesting lately!"...

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This month's cover by Dr. Bruce F. Elving.



MAILBOX

Alan Hyams
 P.O. Box 130
 City Island Station
 Bronx, N.Y. 10464

March 1984

Below is the latest list of DXers who've joined the club. The "R"s stand for former club members who are rejoining. It's heartening to see the large number of people reentering the fold. "Welcome to the club", as the saying goes.

| | | |
|------------------------|-----------------------|---|
| Sheldon Remington NI6E | Fairfax, CA | R |
| Harry L. Helms | Guttenberg, NJ | |
| Gerald Pulice WB2CPA | Staten Island, NY | R |
| John Kosinski, Jr. | Stamford, CT | R |
| Mark Uhryk | Dillsburg, PA | |
| Kenneth E. Blair | Lebanon, PA | R |
| Ron Greening | Manitowoc, WI | |
| Al Germond | Columbia, MO | |
| Lexington Smith | New York, NY | R |
| Les Brooks | Champaign, IL | |
| Joseph T. Gaffney | APO San Francisco, CA | |
| Roger W. Winsor | Champaign, IL | R |
| Zygmund Grzywinski | Taylor, MI | |
| Martin J. Theil | Holiday, FL | R |

One of these newcomers, station owner Al Germond, has sent in a letter giving details of his station, KARO - 102 FM in Columbia, Missouri:

"It is a 3kW stereo facility operating 24 hours a day at 101.7 MHz. Our 50 uv/m contour extends 46 miles in all directions, though on tropospheric and E/skip propagation, it would be possible to hear the station up to 1,450 miles away."

He also welcomes reception reports and promises to answer all questions concerning the station. Later in the letter, he tells of his own DX experiences:

"I personally have been an avid listener since the late 1950's although the only time I was involved with listener organizations was in the early 60's. I began in Englewood, NJ and to date have heard some 900 stations from 34 states and three countries. However, since September, 1963, I have lived in Columbia, Missouri and it is from various locations within that community that I have heard some 2,300 stations from 47 states and four countries. I managed to get many of the New Jersey receptions verified (in the early 60's) but I have not pursued confirmations since."

It's somewhat uncommon to hear from someone who can look at the topic of DX from both sides. I hope to be hearing more from him, and from you as well.

'73s to all, AL



NORTHERN NEVADA'S
 COUNTRY AUTHORITY
 IN STEREO





FM NEWS

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Spotlight on FM Translators

Going through the NTIS microfiche and updating my listings of FM station powers, applications for new stations and, especially, translators, provided many hours of fun and frustration. Apparent discrepancies in translator information made for hours of agonizing decisions, checking geographical coordinates, radiation patterns, and other factors, to see if two translators could operate in the same town, for instance.

One of the greatest mysteries proved to be 107.1 in Oklahoma City, where two distinct translators seemingly operate, spraying out KCLR 97.7 Edmond's signal in three distinct beams. So fascinating did the Oklahoma City situation prove to be that a special map was drawn depicting the translator coverages.

Often, the NTIS listed identical call letters, or "call numbers," as translators are correctly termed, to two different translators. K252AC was listed for three stations, including *98.3 in Colby KS. I finally resolved that one by tuning in KANZ *91.1 Garden City one morning at 8 when the locations and call numbers of all their translators are dutifully recited.

Another problem was Ponca City OK with KCFD 98.5 Tulsa OK translators listed on 2.1 as K221BH, a construction permit with slightly different coordinates than those of Ponca City 102.3, listed as an application. Since 102.3 has been reported heard, or mentioned on KCFD by a VUD reporter, I assume that 102.3 is the viable frequency, and have "assigned" unused call numbers K272BJ to it. I assume K221BH does not and never will exist, but that assumption could prove wrong. Perhaps both KCFD translators will operate, each serving a slice of the Ponca City pie for KCFD.

Then there's Fairlawn VA, supposedly home of W261A1, a WHPF 95.5 High Point NC translator. The trouble with this one is that Fairlawn does not show on any of my maps, and its coordinates are identical to those of W261AH Radford VA. Either the NTIS coordinates are in error, or Fairlawn is an aberration of Radford W261AH, so I am discarding any listing for Fairlawn until I receive better information.

NEW FM TRANSLATORS

In the list that follows, primary station is indicated in parentheses. Locations which may be difficult to find on maps have geographical coordinates given in brackets. Primary stations will be listed by call letters, frequency and city on first listing, then only with call letters if found in the same part of the list.

- AK Anaktuvuk Pass [68-08-30; 151-40-00] K268AB 101.5 (KBRW AM Barrow)
- AK Bird Creek [69-55-07; 149-32-12] K201AH *88.1 (KSKA 91.1 Anchorage)
- AK Fort Yukon K269BB 107.1 (KJNP-FM 100.3 North Pole AK)
- AK Girdwood [60-57-12; 149-06-03] K220AL *91.9 (KSKA)
- AK Kenai K265BJ 100.9 (KGLT 103.5 Homer)
- AK Point Hope K268AA 101.5 (KBRW-AM); [68-20-42; 166-47-30]
- AZ Flagstaff K224-- 92.7 (KAFF 92.9 Flagstaff)
- AZ Flagstaff K228-- 92.7 (KAFF 92.9 Phoenix)
- AZ Green Valley K249BE 97.7 (KJYK 94.9 Tucson)
- AZ Lake Havasu City K296CH 107.1 (KEER 97.1 Las Vegas NV)
- AZ Springville K249FA 97.7 (KAFF 92.9 Flagstaff)
- AZ Wellton K249BN 97.7 (KGBA 100.1 Holtville CA)
- AR Hot Springs K276BK 103.1 (KCFD 98.5 Tulsa OK)
- AR Mountain Home K272BH 102.3 (KFCM 100.9 Cherokee Village AR)
- AR Rogers K269BE 101.7 (KCFD)
- AR Springdale K224AW 92.7 (KCFD)
- AR Texarkana K220AT *91.9 (KCRB 89.3 Dallas TX) K244-- 96.7 (KCFD) K292BZ 106.3 (KISR 93.7 Fort Smith)
- CA Bakersfield K240AH *98.7 (KSJV 91.5 Fresno) K218AI *90.9 (KVPR 89.3 Fresno)
- CA Big Bend K217AS *91.3 (KCHO 91.1 Chico)
- CA Big Pine [37-02-50; 118-15-02] K217AS *91.3 (KCHO) K257BD 99.3 (KHOP 104.1 Modesto)
- CA Big Sur K210AG *89.9 (KUSP 88.9 Santa Cruz)
- CA Bishop K205AG *88.9 (KVPR)
- CA Boron [35-00-55; 117-39-36] K203AK *88.5 (KEAR *106.9 San Francisco; turn KEAR into noncommercial by giving it an *) (Angeles)
- CA Castaic [34-46-30; 118-58-06] K285BL 104.9 (KKGQ 105.1 Los Angeles)
- CA Central Valley K296CE 107.1 (KFMF 93.7 Chico)
- CA Chester K202AK *88.3 (KCHO)
- CA Chico K261EB 100.1 (KALF 95.9 Red Bluff)
- CA Crescent City K257BW *99.3 (KIDE 91.3 Hoopla)
- CA Eureka K257BI *99.3 (KIDE)
- CA Fairmont (40 km WNW Lancaster) K219AD *91.7 (KEAR)
- CA Ferndale K252BI *98.3 (KPDJ 92.3 Eureka)
- CA Fort Bragg K217AK *91.3 (KDSB 89.9 Angwin)
- CA Fortuna K217AD *91.3 (KDSB)
- CA Fresno K232AY 94.3 (KAMB 101.5 Merced)
- CA Happy Camp K217AU *91.3 (KIDE)
- CA Helm [36-18-10; 120-24-03] K219AL *91.7 (KEAR) [S. of June Lake]
- CA June Lake K272BE 102.3 (KMMT 106.3 Mammoth Lakes, which is just/CA Kingsley Cove [39-57-30; 121-42-48--try to find that place on your Rand McNally; it's probably a group of trees] K205AJ *88.9 (KEAR)
- CA Klamath K203AL *88.5 (KIDE)
- CA Lakeport K217AM *91.3 (KDSB), K228AX 93.5 (KWNE 94.5 Ukiah)
- CA Lake Shastina [41-26-49; 122-32-27] K269BM 101.7 (KSQU 100.9 Weed; KSQU itself still off the air!)
- CA Leggett and Wott K217AL *91.3 (KDSB)
- CA Mammoth Lakes K218AK *91.5 (KVPR 89.3 Fresno)
- CA Mc Cloud K213AE *90.5 (KSOR 90.1 Ashland OR)
- CA Morgan Hill K249AZ 97.7 (KJNP-FM 100.9 San Jose)
- CA Mount Shasta K257BL 98.3 (KYRE 97.7 Yreka)
- CA Newhall K100-1 100.3 10 (KIQQ 100.3 Los Angeles booster)

In Minnesota, two translators are shown on 101.7 in the city of Virginia, one for WAKX 98.9 Duluth and the other for KAXE *91.7 Grand Rapids MN. I assume the listing for WAKX is correct, but could the FCC, in its infinite wisdom, allow both to function, each serving a different portion of Virginia, or perhaps sharing time?

And not to mention Spokane and North Spokane WA 100.9, where translators for different stations coexist. Look below and see how I handled that one.

Why this interest in translators? I think translators are a valuable part of the total FM scene, much as stereo and SCA are, and we as DXers had better get acquainted with them. They're popping up everywhere, making both DX targets and objects to block us in our DXing efforts. I've kept punched in probably over 300 translator applications, and if trends in FM go the way they have in TV, we can expect four times the number of translators as there are originating stations, with the average FM station now on the air having between four and 20 translators. The industry is finally waking up to the potential in FM translators, as they portend the opportunity for "low power FM," and program origination. Moody Bible Institute of Chicago is taking the lead in this, and others are at least jumping onto the translator bandwagon so they will have mini-stations on the air, ready for the day when full-scale local programming with commercials can begin.

This column needs information from you on translators. As you tune in, or travel, pay attention to the translators you hear or don't hear—especially ones not on air, but listed here or in the *FM Atlas*. Check with the broadcasters concerning any translators not on the air to find out if they are deleted (a call or postcard to the primary station should do), and let this column know the response. The FCC and NTIS tell us about stations going on the air, but not about those going off the air.

- CA Bishop K205AG *88.9 (KVPR)
- CA K272BD 102.3 (KMMT 106.3 Mammoth Lakes)
- CA Boron [35-00-55; 117-39-36] K203AK *88.5 (KEAR *106.9 San Francisco; turn KEAR into noncommercial by giving it an *) (Angeles)
- CA Castaic [34-46-30; 118-58-06] K285BL 104.9 (KKGQ 105.1 Los Angeles)
- CA Central Valley K296CE 107.1 (KFMF 93.7 Chico)
- CA Chester K202AK *88.3 (KCHO)
- CA Chico K261EB 100.1 (KALF 95.9 Red Bluff)
- CA Crescent City K257BW *99.3 (KIDE 91.3 Hoopla)
- CA Eureka K257BI *99.3 (KIDE)
- CA Fairmont (40 km WNW Lancaster) K219AD *91.7 (KEAR)
- CA Ferndale K252BI *98.3 (KPDJ 92.3 Eureka)
- CA Fort Bragg K217AK *91.3 (KDSB 89.9 Angwin)
- CA Fortuna K217AD *91.3 (KDSB)
- CA Fresno K232AY 94.3 (KAMB 101.5 Merced)
- CA Happy Camp K217AU *91.3 (KIDE)
- CA Helm [36-18-10; 120-24-03] K219AL *91.7 (KEAR) [S. of June Lake]
- CA June Lake K272BE 102.3 (KMMT 106.3 Mammoth Lakes, which is just/CA Kingsley Cove [39-57-30; 121-42-48--try to find that place on your Rand McNally; it's probably a group of trees] K205AJ *88.9 (KEAR)
- CA Klamath K203AL *88.5 (KIDE)
- CA Lakeport K217AM *91.3 (KDSB), K228AX 93.5 (KWNE 94.5 Ukiah)
- CA Lake Shastina [41-26-49; 122-32-27] K269BM 101.7 (KSQU 100.9 Weed; KSQU itself still off the air!)
- CA Leggett and Wott K217AL *91.3 (KDSB)
- CA Mammoth Lakes K218AK *91.5 (KVPR 89.3 Fresno)
- CA Mc Cloud K213AE *90.5 (KSOR 90.1 Ashland OR)
- CA Morgan Hill K249AZ 97.7 (KJNP-FM 100.9 San Jose)
- CA Mount Shasta K257BL 98.3 (KYRE 97.7 Yreka)
- CA Newhall K100-1 100.3 10 (KIQQ 100.3 Los Angeles booster)

FCC-FM Move Over, WONY, W216AJ's Gonna Get You!

March, 1984

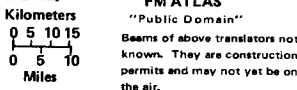
- CA Newport Beach K208AM *89.5 (KSSB 88.5 Mission Viejo)
- CA North Hollywood KNOB-1 97.9 10 watts (KNOB Long Beach booster)
- CA Palo Colorado [36-24-10; 121-54-00] K207AJ (KUSP 88.9 Santa Cruz)
- CA Pearlland [34-32-50; 118-12-24] K205AK *88.9 (KEAR)
- CA Portola K257BV 99.3 (KNXN 101.9 Quincy—KNXN stereo, music?)
- CA Poso [35-12-18; 118-38-14] K210AI *88.9 (KEAR)
- CA Quincy K213AF *90.5 (KCHO 91.1 Chico)
- CA Richvale K202AL *88.3 (KEAR)
- CA Salida K296CD *107.1 (KEAR)
- CA Santa Barbara K210AD *89.9 (KCBX 90.1 San Luis Obispo)
- CA Scott Valley [41-31-25; 122-43-38; not to be confused with Scotts Valley, which is near Watsonville] K269BN 101.7 (KSQU 100.9 Weed)
- CA Soles Bar [41-17-08; 123-27-52] K207AJ *88.3 (KIDE 91.3 Hoopla)
- CA South Eureka K237-- *95.3 (KIDE)
- CA South Lake Tahoe K269CJ 101.7 (KXOA-FM 107.9 Sacramento; however, K269AE 100.9 Stateline NV wants to move to 101.7)
- CA Temecula K252BF 98.3 (KAVO 107.1 Fallbrook)
- CA Trinity River [48-50-00; 123-26-21] K207AC *89.3 (KIDE)
- CA Truckee K216AI *91.1 (KDSB 89.9 Angwin)
- CA Ukiah K240AU 95.9 (KOZT 95.3 Fort Bragg)
- CA Watsonville K207AI *89.3 (KUVO 90.9 Chualar) [Bluff] K210BI *89.9 (KEAR)
- CA Weaverville K217AT *91.3 (KIDE); K265BD 100.9 (KALF 95.9 Red / CA Weed K208AH *9.5 (KSOR 90.1 Ashland OR)
- CA Willits K217AN *91.3 (KDSB); K228AU 93.5 (KWNE 94.5 Ukiah)
- CA Willow Creek K232AX *94.3 (KIDE)
- CA Yosemite Valley (and change designation from "National Park" to Yosemite Valley for 92.1 and 93.5, and add: K232BB 94.3 (KBAY 100.3 San Jose)
- CO Craig K292BT 106.3 (KVOD 99.5 Denver)
- CO Delta K210AJ *88.9 (KVPF 90.9 Paonia)
- CO El Jebel [39-25-30; 107-22-30] K205AF (KUWR 91.9 Laramie WY) *88.9
- CO Estes Park K215AM *90.9 (KUWR)
- CO Glenwood Springs K208AM *88.5 (KUWR)
- CO Grand Lake K288CM 105.5 (KSKE 106.3 Kremmling)
- CO Lake George K204AI *88.7 (KCFR 90.1 Denver)
- CO Lakewood K272BN 102.3 (KBCO 97.3 Boulder)
- CO Rifle K203AJ *88.5 (KUWR 91.9 Laramie WY)
- CO Steamboat Springs K214AK *90.7 (KUNC 91.5 Greeley) K257BM 98.3 (KXRC 93.7 Craig)
- CO Sterling K215AM *90.9 (KUNC 91.5 Greeley)
- CO Sylvan Lakes [39-16-15; 105-11-03] K244BP 96.7 (KLMC 93.5 Leadville)
- CO Walden K216AJ *91.1 (KUNC)
- CT Fairfield W269BB 101.7 (WFME 94.7 Newark NJ)
- FL Gainesville W240AF (WYTY 98.5 Crystal River)
- FL Naples W261AJ 100.1 (WSOR 95.3 Fort Myers)
- HI Kaulaikai K244BD 96.7 (KSHO-FM 96.3 Kailua)
- HI Kawahala [19-43-26; 155-56-42] K288CF 105.5 (KSHO-FM)
- ID Moscow K265BI 100.9 (KQQQ-FM 104.9 Pullman WA) K276BV 103.1 (KMOK 106.9 Lewiston)
- IL Dixon K214AL—that's right K, not W! *90.7 (WVYK 90.1 Rock Island)
- IL Springfield K212AI *90.3 (WBI 91.1 Carlisleville IL); K, not W!
- IN Richmond K210AL *89.9 (WCOR 90.3 Cedarville OH); K, not W!
- IN Valparaiso W216AC *91.1 (WMBI-FM 90.1 Chicago)
- IA Bedford K244BI 96.7 (KQIS 106.3 Clarinda)
- IA Corning K244BM 96.7 (KQIS)
- IA Decorah K265BK 100.9 (KQYV 98.3 Spring Grove MN)
- IA Gilbert (north of Ames) K288CI *105.5 (KNWS-FM 101.9 Waterloo)
- IA Glenwood K272BN 102.3 (KQIS) IA Shenandoah K272BG 102.3 (KQIS)
- IA Mount Airy K244BO 96.7 (KQIS) IA Stanton K285BM 104.9 (KQIS)
- KS Goodland K219AJ *91.7 (KANZ 91.1 Garden City)
- KS Lenexa-Overland Park K224AS (KLFO 106.1 Lyons; how they will pick up the primary beats me—LRFQ has a very poor signal under DX condx.)
- ME Houlton W237AH 95.3 (WVZT, 101.7 Presque Isle)
- ME Portland W283AA *104.5 (WMEA 90.1 Portland)
- MI Marquette W272AG *102.3 (WMMU 90.1 Marquette)
- MN Albert Lea K220AR *91.9 (KMSU 89.7 Mankato) K280BD *103.9 (KTIS-FM 98.5 Minneapolis)
- MN Blue Earth K217AR *91.3 (KMSU)
- MN Brainerd K269BB *101.7 (KAXE 91.7 Grand Rapids MN)
- MN Brandon (just NW Alexandria) K257BJ *99.3 (KFNW-FM 97.9 Fargo ND)
- MN Dassel K288CA *105.5 (KTIS-FM 98.5 Minneapolis)
- MN Fairmont K220AA *91.9 (KMSU) K228AA *93.5 (KNWC-FM 96.5 Sioux Falls SD) K248BJ *97.7 (KRSW 91.7 Worthington)
- MN International Falls K249BK *97.7 (KCRB 88.5 Bemidji) [booster]
- MN La Crescent WISD-1 100.1 10 w/presumed (WISQ 100.1 west Salem WI) K269BK *101.7 (KLSB 91.7 Rushford MN) [FM]
- MN Mankato K232BC *84.3 (KTIS-FM) MN Morris K285BJ *104.9 (KFNW-MN Marshall K224BI *92.7 (KRSW) MN Winona K288CB *105.5 (KLSB)
- MO Camden-ton K244BH 96.7 (KFBQ 97.7 Waynesville)
- MT Bozeman K211AM *90.1 (KELC 91.7 Billings)
- MT Colstrip K203AF *88.5 (KEMC); K280BD 103.9 (KBIT 102.9 Billings)
- MT Hardin K203AD *88.5 (KEMC) MT Livingston K203AG *88.5
- MT Lewistown K203AE *88.5 (KEMC) (KEMC)
- MT Miles City K214AM *90.7 (KEMC)
- MT Missoula K280BV 103.9 (KALS 97.1 Kalispell)
- MT Polson K257BR 99.3 (KALS)
- MT Seelye Lake K252BM 98.3 (KALS)
- MT Whitefish K292CC *106.3 (KMBI-FM 107.9 Spokane WA)
- MT Wolf Point K272-- 102.3 (KCGM 95.7 Scooby MT)
- NE Imperial K224AY 92.7 (KOGA-FM 99.7 Ogallala)
- NE Lincoln K257BD *99.3 (KZUM 89.5 Lincoln) [105.5 Fremont?]
- NE Omaha K288CL 105.5 (KBWH 106.3 Blair; interfere with KHUB-FM/NE Scottsbluff K213AH *90.5 (KUNC 91.1 Greeley CO)
- NV Alamo K249BL 97.7 (KILA 95.5 Henderson)
- NV Battle Mountain K265BE 100.9 (KWNA-FM 92.7 Winnemucca)
- NV Caliente K237AV 95.3 (KILA) NV Ely K249BH 97.7 (KILA)
- NV Goldfield K237AV 95.3 (KILA)
- NV Henderson K257BU 99.3 (KOMP 92.3 Las Vegas)
- NV Lovelock K252BE 98.3 (KSRN 104.5 Reno) [Henderson]
- NV Oasis Valley [36-52-40; 116-40-30] K288CE 105.5 (KXTZ 94.1 / K292BS 106.3 (KFMS 101.9 Las Vegas)
- NV Pioche K237AY 95.3 (KILA)
- NV Round Mountain K249BF 97.7 (KILA)
- NV Wells K285BO *104.9 (KICR 90.7 Twin Falls ID)
- NH Dublin W288AM 105.5 (WBF 107.1 Ballfous Falls VT)
- NH Nashua W201AC *88.3 (WEVO 89.1 Concord)
- NJ Blairstown W269AH 101.7 (WFME 94.7 Newark)
- NM Alamogordo K208AF *89.5 (KRWG 90.7 Las Cruces)
- NM Counselor K214AI *90.7 (KTDB 98.7 Ramah)
- NM Crownpoint K220AK *91.9 (KTDB)
- NM Farmington K292CA 106.3 (KIQX 101.3 Durango CO)
- NM Hesperia [35-15-08; 107-35-48] K219AH *91.7 (KTDB)
- NM Lordsburg K220AD *91.9 (KRWG)
- NM Nagezi [36-26; 107-50] K208AL *98.5 (KTDB)
- NM Natchitoches [36-05-10; 108-25] K212AE *90.3 (KTDB)
- NM Silver City K217AP *91.3 (KRWG)
- NM Star Lake Trading Post [35-55-52; 107-28-33] K219AI *91.7 (KTDB)
- NM Thoreau K216AH *91.1 (KTDB)
- NM Truth or Consequences K220AM *91.9 (KRWG)
- NY Oneonta W216AJ *91.1 (WSKG-FM 89.3 Binghamton; however, this conflicts with WONY *90.9 Oneonta; I assume they serve different neighborhoods of that hilly town) W237AI 95.3 (WKXZ 93.9 Norwich NY)
- NY Saranac Lake K219AG *91.7 (WSLU 96.7 Canton NY); note K, not W!
- NY Syracuse W252AC 98.3 (WPXC 106.9 Auburn)
- NC Charlotte W201AB *88.1 (WMHK 89.7 Columbia SC)
- NC Fuquay-Varina W261AL 100.1 (WYFL 92.5 Henderson NC)
- NC Cavalier K272BF *102.3 (KFNW-FM 97.9 Fargo)
- OK Ponca City K272BJ 102.3 (KCFD 98.5 Tulsa) K269BF 101.7 (KWKS 106.5 Winfield KS)
- OK Oklahoma City K296CB 107.1 (KCLR 97.7 Edmond), in addition to K296BV 107.1, also a KCLR translator. See map, elsewhere.
- OR Bend K220AM *91.9 (KLCC 89.7 Eugene)
- OR Cave Junction K257BT 99.3 (KRWQ 100.3 Gold Hill)
- OR Corvallis K276BU 103.1 (KIDY 103.5 Lebanon)
- OR Merion K257BS 99.3, but seeks 106.5 (KRWQ)
- OR Newport K252BH 98.3 (KCRF 96.7 Lincoln City)
- OR Salem K252BG 98.3 (KFMJ 96.9 Grants Pass)
- OR Tri-City K224AV 92.7 (KOGN 92.3 Portland) K244BC 96.7 (KBOY-FM 95.7 Medford)
- PA Camp Hill W285AF 104.9 (WDAC 94.5 Lancaster)
- PA Eagle Butte K292CA *106.3 (KINA 96.1 Crookston NE)
- SD Huron K228AS *93.5 (KNWC-FM 96.5 Sioux Falls)
- SD Lower Brule K292BX *106.3 (KINI)
- SD Sioux Falls K215AJ *90.9 (KUSD-FM 89.7 Vermillion SD; may conflict with grant of KCFE Sioux Falls to move to *90.7)
- TN Bristol W249AH 97.7 (WTFM 98.5 Kingsport)
- TN Donelson W250AK 99.3 (WAKO 101.1 Russellville KY)
- TN Etowah W280AE 103.9 (WJSQ 101.7 Athens)
- TX Bandera K288CN 105.5 (KERV-FM 94.3 Kerrville)
- TX Beville K249BM 97.7 (KVIC 95.1 Victoria)
- TX Big Spring K280BF 103.9 (KKKK 99.1 Orange)
- TX Brookeland K261BD 100.1 (KIOC 106.1 Dessau)
- TX Corsicana K296CC 107.1 (KNFO 95.5 Waco)
- TX Dallas K292BV 106.3 (KIXK 106.1 Denton)
- TX Freeport K285BN 104.9 (KYKR-FM 93.3 Port Arthur)
- TX High Island K289BR 101.7 (KIOC 106.1 Orange)
- TX Jacksonville K265BP 100.9 (KJCS 103.3 Nacogdoches)
- TX Jasper K244BH 96.7 (KFNW-FM 93.3 Port Arthur TX)
- TX Kennedy K228AB 95.5 (KTJN 98.7 Victoria)
- TX Kerrville K221BJ 92.1 (KQXT 101.9 San Antonio)
- TX La Marque K285BD 104.9 (KYKR-FM)

TX Paris K224AZ 92.7 (KSCS 96.3 Fort Worth)
TX Woodville K244BK 96.7 (KYKR-FM)
UT Bountiful K292BW 106.3 (KCGI 105.5 Centerville)
UT Coalville K208AK *89.5 (KUSU 91.5 Logan)
UT Delta K208AJ *89.5 (KUSU)
UT Green River K228AT 93.5 (KQIX 93.1 Grand Junction CO)
UT Haber K285BP 104.9 (KCPX 98.7 Salt Lake City)
UT Laketown K207AH *89.3 (KUSU)
UT Milford K214AJ *90.7 (KUSU)
UT Monroe K218AJ *91.5 (KUSU)
UT Park City K276-- 103.1 (KISN 97.1 Salt Lake City)
K285BH 104.9 (KCLY 94.1 Salt Lake City)
K285HC 104.9 (KUSU)
UT Washington K208AI *89.5 (KUSU) [103.5 Salt Lake City]
UT West Emery County [39-12-36; 111-53-46] K244BB 96.7 (KRSP-FM)
VA Danville W22AA F (WHPE 95.5 High Point NC)
VA Lynchburg W22AA G *92.7 (WXLK 92.3 Roanoke)
VA Manassas WRQX 107.3 1 w (presumed, booster of WRQX 107.3 Washington DC-- the first FM booster in the eastern United States)
VA Martinsville W296AF 107.1 (WHPE)
VA Puleaski W244AE 96.7 (WHPE)
VA Radford W261AH 100.1 (WHPE)
VA Roanoke W249AG 97.7 (WHPE)
VA Salem W249AF 97.7 (WHPE)
VA Wytheville W224AE 92.7 (WHPE)
WA Aberdeen K211AO *90.1 (KPLU 88.5 Tacoma)
WA Cashmere K217AJ *91.3 (KFAE 89.1 Richland)
WA Centralia K211AP *90.1 (KPLU)
WA Chelan K237AW 95.3 (KONA-FM 105.3 Kennewick)
WA East Wenatchee K221BI 92.1 (KYVJR 104.9 Wenatchee)
WA Iona K285BI 104.9 (KCRK 92.1 Colville)
WA Leavenworth K232BD 94.3 (KTRW 97.7 East Wenatchee)
WA Logview K212AH *90.3 (KPLU)
K232AW 94.3 (KBIQ 105.3 Edmonds)
K280BN 103.9 (KPDQ-FM 93.7 Portland OR)
WA Malott K244BL 96.7 (KDMW-FM 92.7 Omak)
WA Moses Lake K214AF *90.7 (KGTG 91.3 College Place WA)
WA North Spokane K265BC 100.9 (KXLY-FM 99.9; see map this page.)
WA Omak K205AJ *88.9 (KPBX 91.1 Spokane)
K265BN 100.9 (KXPL 91.1 Opportunity WA)
WA Pasco *88.1 K201-- (KGTG)

WA Port Angeles K276BO 103.1 (KSEA 100.7 Seattle)
WA Raymond K212AG *90.3 (KPLU 88.5 Tacoma)
WA Republic K237AZ 95.3 (KCRK 92.1 Colville)
WA Spokane K265BF 100.9 (KN01 107.1 Deer Park WA)

FM TRANSLATORS IN AND NEAR SPOKANE, WA

Deer Park 107.1 KN01 (primary) [47-67-09; 117-29-26]
"Suncrest," site of K269BD 101.7, a KCRK 92.1 Spokane WA translator [47-48-23; 117-35-06]
Colville WA translator [47-48-23; 117-35-06]
Spokane; home of KXLY-FM 99.9
"Opportunity" transmitter site of 100.9 K265BF, a KN01 Deer Park WA translator [47-37-07; 117-24-42]



FM ATLAS

"Public Domain"

WA Suncrest [47-48-23; 117-35-06] K269BD 101.7 (KCRK)
WA Wenatchee K265BD 100.9 (KTRW 97.7 East Wenatchee)
WA Yakima K207AG *89.3 (KGTG 91.3 College Place)
WI Green Bay W249AJ 97.7 (WEMI 100.1 Neenah-Menasha)
WI Phelps W280AF 104.9 (WRVM 102.7 Suring)
WI Sparta K220AT 93.3 (KLSE 91.7 Rushford MN); K, not WI
WI Waupaca W265AD 100.9 (WEMI)
WI Wausau K232BE 94.3 (WWIB 103.7 Ladysmith WI); K, not WI
WY Cheyenne K208AP *89.5 (KWB1 91.1 Morrison CO)
WY Cody K203AH *88.5 (KEMC 91.7 Billings MT)
WY Gillette K240AT 95.9 (KTRS 95.5 Casper)
K288CO 105.5 (KAWY 94.5 Casper)
WY Laramie K269BC 101.7 (KKAZ 100.7 Cheyenne) [Lake City UT]
WY Mountain View [41-06-50; 110-14-00] K237BA 94.3 (KPSI 100.3 Salt/ K272BI 102.3 (KCLY 94.1 Salt Lake City UT)
WY Sheridan K210AM *89.9 (KEMC 91.7 Billings MT)
WY Worland K257BN 93.9 (KTAG 97.9 Cody)
PR Ponce W276AJ 103.1 (WOYE 94.1 Mayaguez)

DROPPING STEREO

CA Ceres KBES *88.5, apparently with no intention of resuming stereo
IN Elwood WBMP 101.7, has been without X for about eight months

SCA NEWS (†)

AL Troy WIGC 105.7 † Gospel
CA Stockton KSTN-FM 107.9 92 kHz 1X? "With the 92 kHz SCA they are once more obliterating both 107.1 and 107.5," but were bad before.
IL Oak Park WBMX 102.7 1X (high speed data)
NJ Atlantic City WMGM 103.7 1E (sounds like Greek)
NJ Wildwood WNBR 100.7 no SCA
ON Cobourg CFMX 103.1 drops SCMO, as SCMO has a low priority with new owner, who is trying to increase CFMX's power to authorized level and buy a new transmitter.

SLOGANS/NON-IDS

FL Sunrisa WPKX *88.5 K-Pax (not K-Pix)
GA Savannah WIXV 95.5 1-95
IL Highland Park WVXK The Real 103, r, mono, no ID of "Deerfield" any more in legal identification
IA Creston KTR 101.7 Creston Radio
ME Rumford WWMR 96.3 96-WMR
TX Amarillo KMML 98.7 K-Mel
WI Hartford WTXM-FM 104.9 FM-105, the Polka Place

FORMATS/NETWORKS

AL Decatur WDRM 102.1, all k, "Country-102"
AL Tusculum WVNA-FM 100.3 rock, "Lite-100"
CA Redding KSHA 104.3 rm (same as Yuba City)
CA Roseville KPQP 93.5 rock, no network [105 CA Sacramento KEWT 105.1 r, very strong signal,
CA Walnut Creek KING 92.1 r, "Kink," has vertical CA Yuba City KXEZ 103.9 rm

IN Evansville WIKY 104.1 back to beautiful music!; the start of a trend among stations that had defected from this form of musical programming?
IN Muncie WBST *92.1 c, j, no more rock and no longer 24 hours due to money problems [rock IN Princeton WRAY-FM 88.1 middle of road and / IN Sullivan WNDI-FM 95.3 [country], still mono IN Washington WFML *90.5 mc; "Natural Sound FML" IA Independence KOUR-FM 95.3 all k
KS Liberal KSCB-FM 107.5 rock
MO California KZMO 94.3 to be k
MO Centralia 92.1 to be k
MO Kirksville KRXL 94.5 rm music SCA back
MO Lexington KBK 107.3 rm
NE Superior KRFS-FM 103.9 ABC-Direction, mono NY Watershed WUWU 107.7 mj
OK Edmond KCLR 97.7 Mutual (not AP Audio) PA Jersey Shore WSOV 97.7 no network (was T) PA Pittsford WTLQ 102.3, not known if Stereo
PA Potsville WAVT 101.9 rock, still T-102 [b. TX Fredericksburg KFAN 101.1 m, some light r, no / VA Abingdon WABN 92.7 NBC (was Mutual)]

MI Gaylord 95.3 WZXM-FM (WEGS)
MI Holland 94.5 WKLO (WJBL-FM)
MI Menominee 106.3 WCJL-FM
MI Muskegon 104.5 WCKT (WOWD), k, has Mutual's Larry King Show
MI Rogers City 97.7 WNSR (WOWE)
MN Minneapolis 97.1 KTCC-FM (KTCC-FM)
MN Virginia-Hibbing *90.5 WIRR
MN Walker 99.3 KTOR
MS Ackerman 107.9 WFCA
MO Caruthersville 103.1 KLOW (KCRV-FM)
MO Harrisonville 107.1 KCFX (KIEE)
MO Ironton 92.7 KYLS
MO Joplin *88.3 K202AG (not K202AJ)
MO Rolla 94.3 KCLU-FM (KCLU-FM)
MT Billings 102.9 KBIT (KODK-FM)
MT Great Falls *89.9 KGPR
NV Beatty 92.7 K224AR (Not K224AO)
NH Rochester 96.7 WXXK (WVNH-FM)
NY Binghamton 98.1 WHWK (WQYT)
NY Cobleskill 103.5 WITU
NY Middle Island *88.5 WFRS (FM-106.7)
NY New York 106.7 WLTV (WKHK), m, Lite/ NY Niagara Falls 98.5 WRXT (WZIR), still rock, *98.5-RX.
NY Webster 106.3 W292AH (not W292BH)
ND Grand Fork 100.9 KXPO-FM
OK Durant 107 Williston 98.5 KWYL-FM *97.7 KYED
OH Cadiz 106.3 WHOH (not KEYD)
OH Cincinnati 94.1 WKXF (WSAI-FM), KX-94, sometimes "Kix Country"
OH Columbus 94.7 WSNY (WSNY-FM)
OH Greenville 106.5 WDRK (never changed to WLSN), k, "K-106"
OH Youngstown 101.1 WHOT-FM (WSRD)
OK Oklahoma City 96.1 KXXY-FM (KXXY)
OR Ashland 92.1 K221AW (not K221AN)
PA Tamaqua 105.5 - WCRN (WZTA)
PA Williamsport 101.7 *W269A (not W269AH)
OK Broken Arrow 92.1 KELI-FM (KSNE)
SC Beaufort 98.7 WYKZ (WQLO)
SC Orangeburg *90.3 WSSB-FM (WIMC-FM) 106.7 WIGL-FM (WIGL)
SC St. Andrews 102.3 WTOX
SD Milbank 104.3 KBEV
SD Sisseton 102.9 KBWS-FM
SD Volga 102.3 KRAA (KQDB)
TN Elizabethton 99.3 WJ50-FM (WIDD-FM)
TN Greeneville 104.9 W285AE (not W285AA)
TN Knoxville 107.7 WIVK-FM (WIVK-FM)
TN Milan 92.3 WYNU (WVKB-FM)
TN Nashville *88.1 WFSK-FM (WRFN)
TX Beville 104.9 KIBL-FM (KCWW)
TX Canadian 103.1 KEZP
TX Carthage 98.9 KTUX
TX Dallas 98.7 KLUV (KLUV)
TX Farwell 98.3 KLZK
TX Gainesville 94.5 KDNG-FM (KGAF-FM)
TX Granbury 106.7 KFII
TX Orange 104.5 KKMV (KZOM)
TX San Antonio 96.1 KSAQ (KSLR-FM)
TX Sherman 96.7 KXZL-FM (KIKM-FM)
TX Whitehouse 99.3 KEYP-FM (KFML)
UT Ogden 101.9 KKAT (KQPD)
VA Exmore 107.5 WKRE-FM (WEXM-FM)
WA Ephrata *90.7 K214AH (not K214AF)
WA Goldendale *90.3 K212AF (not K212AE)
WA Spokane 92.9 KREM-FM (KREM-FM; AM has new call letters)
WV Wheeling 98.7 WOVK (WCPI)
WI Madison 98.1 WMGN (WISM-FM)
WI Waupun 99.3 WGGQ (WLKE-FM)
PR Mayaguez 107.1 W296AE (not W296AC)
NS Halifax-Dartmouth 104.3 CFRQ-FM and coverage reduced to 50000 watts, and will share tower with CBH-FM and CKO-9.
NS Yarmouth 92.1 CBHY-FM
PQ Chibougamau 91.9 CBJ-1
PQ Coaticook 104.5 CFIN-FM
PQ La Tabatiere 101.5 CBMT-FM (not CBMT-FM, since CBMT is a channel 6 TV station in Montreal. Here is an example where

sufficed FM and TV stations are 1330 km apart!)
SA Saskatoon *89.7 CHSK-FM (KJUS)

FACILITIES' CHANGES

AL Birmingham WJSR *91.1 230 h; (195')
WVSU *91.1 215' (125 h,v)
WZZK 104.7 99000 h,v (1300')
AL Mobile WTOH *105.9 10 h; 145'
AK Anchorage KNIK 105.3 25000 h,v; 260'
AK Sitka KCAW *104.7 4800 h,v (-610')
AR Ashdown KMLA 103.9 300' (3000 h,v)
AR Dardanelle KWKK 102.3 165 h,v; 119'
AR Fort Smith K224AP 92.7 from KSSN to KLPQ 94.1 Little Rock
AR Newark KLLN *90.9 has vertical
AR Paragould KLQZ 107.1 1600 h,v; 410'
AR Texarkana KOSY-FM 102.5 94000 h,v (235')
AZ Flagstaff KNAU *88.7 1450' (100000 h,v)
AZ Page KXAZ 93.5 1150 h,v; 480'
AZ Winslow KHRM 95.1 100000 h,v; 720'
CA Clovis K211AR *90.1 (from K244BA 96.7)
CA Fremont KOHL *89.3 has vertical, DA, too
CA Happy Camp K276AV 103.1 (KRWQ 100.3 Gold Hill OR instead of KBOY-FM Medford OR or KVIP-FM 98.1 Redding CA)
CA Quincy KNXN 101.9 1400 h,v; 2360', Stereo?
CA Moraga KSMC *95.8 80 (h); 80'
CA Redlands KUCR *89.1 1850 (h) (-500')
CA San Francisco KP00 *89.5 540' (270 h, DA)
CA Santa Ana KNYC 86.3 directional antenna CA South Lake Tahoe KRLLT 93.9 6000 h,v; -190' (from 100.1 MHz) [215']
CA Twentynine Palms KSYN 95.7 17000 h,v / CA Yreka K218AL *91.5 (from K220AD 91.9) K232BH 94.3 (from K252AM 93.3)
CO Colorado Springs KRCC *91.5 55 h,v; 2100', to interfere with KUNC Greeley?
CO Evergreen K232BF 94.3 (from K228AR 93.5)
CO Fort Collins KCSU *90.5 has vertical
CO Greeley KUNW *91.5 100000 h,v (570')
CO Gunnison KWSB *91.1 (from 91.9)
CO Leadville KLMC 93.5 -480' (3000 h,v)
CO Mesa K252BK 98.3 (from K288BR 105.5)
CO Rangely K244BE 96.7 (from K272AJ 102.3)
FL Ocala WFUZ 93.7 100000 h,v; 7800 v; 540'
FL Palatka WFI 99.9 100000 h,v; 1195' (1300')
FL Titusville WNPJ *88.9 (from 89.1) 7000 h,v / CT Danbury WPAH *93.3 (from 88.5) 180 v; 100 CT Meriden (from Middlefield) WPBH *90.5 19000 h,v; directional antenna; 760'
CT New Britain WFCB *97.9 36 (h); 100'
CT New London WCNI *91.1 490 h,v; 195'
FL Cocoa WMTB *91.3 has directional antenna
GA Atlanta WABE *90.1 has vertical; possibly accounting for the poor local reception of this station mentioned in last month's FCC-FM News.
GA Blairsville W249AJ 97.7 (from W285AC 104.9)
GA Ellijay W249AF 96.7 (from W285AD 104.9)
GA Titonka WTRH *107.5 has vertical
HI Honolulu KATU *90.3 90' (100 wats h)
HI Kahului 99.9 100000 h,v (-540')
HI Waialua KADI 95.1 100000 h,v (1230')
ID Pocatello KZBQ 93.7 97000 h,v; 940'
IL Champagne WLRW 94.5 27000 h,v; 390'
IL Godfrey WLCA *88.9 1500 h,v; 180'
IL Lake Forest WMMX *88.9 42' (300 h, DA)
IL Rockford WZOK 97.5 430' (50000 h,v)
IN Evansville WUEV *91.5 6100 h,v; 150'
IN Lowell WZVN 107.1 910 h,v; 500'
KS Colby K252BL *98.3 (from K213AB 93.3)
KS Independence KIND-FM 101.7 3000 h,v; 225'
KS Liberal KSCB-FM 107.5 460' (100000 h,v r)
KS Phillipsburg KBMJ 92.5 340' (100000 h,v)
KS Washington K269BJ 101.7 (from K262AB 100.3)
KY Georgetown WRVG *89.9 140 h,v; 34'-to share time with the new WVBA Frankfort
KY Somerset WSSC *92.1 13 h,v; 40'
LA Hammond KSLU *90.9 3000 h,v; 145'
LA New Orleans WRNO-FM 99.5 27500 h,v; 1000'
ME Brunswick WBRD *91.1 155' (300 h)

ME Waterville WMHB *90.5 11 h.v.; 90'
MD Baltimore WJHU *88.1 23000 v, 25000 h; 160'
MD Emmitsburg WMTB *89.9 vertical
MA Boston WHUE-FM 100.7 20000 h.v.; 720'
MA Gloucester VISHL *91.3 directional 66' (100 h.v.)
MA Easton WVCA 104.9 vertical
MA Provincetown WOMR *91.9 directional h.v. (155')
MA Worcester WAYM *91.9 8100 h.v. (155')
MI Benton Harbor WHFS-FM 99.9 50000 h, 48000 vertical, directional antenna (500')
MI Cheboygan WDLZ 105.1 100000 h.v.; 605'
MI Hart WXCX 105.3 650' (100000 h.v.)
MN Ely K272BL 102.3 (from K244AV 96.7)
MN Minneapolis KTIS-FM *98.5 vertical
MN Wadena K252AJ (calls assume-d) *98.3 (from K257BD 99.3)
MO Joplin K292B1 106.3 (from K257AW 99.3)
MO St. Louis KTAD *88.1 42000 h.v.; 1310'
MT Butte KMSM *91.5 165 h (-320')
MT Great Falls *89.9 9000 h.v. (370')
ND KOOZ 106.1 (from 106.3) 30000 h.v.; 300'
ND Shelby KZIN 96.3 550' (100000 h.v.)
NV Las Vegas KCEP *88.1 -16' (4700 h.v.)
NV Pioche K237AY 95.3 (from K285AT 104.9)
NV Reno KSRN 104.5 2800 (25000 h.v.)
NH Plymouth WPCR *91.7 has vertical
NJ Dover WDMA 105.5 800 h.v.; 580'
NM Santa Fe KNNM 105.5 1900' (100000 h.v.)
NY Key West WFYN 92.5 10000 h.v.; 550' f music
NY Huntington W257AE 99.3 (from W292AC 106.3)
NY Rinebeck W272AF 102.3 (from W237AG 95.3)
NY Riverhead W234AA 94.7 (from W292AF 106.3)
NY Terryville W299AB 107.7 (from W288AK 105.5)
NC Durham WXDQ *88.7 directional
NC High Point WMAJ 99.5 95000 h.v.; DA (1500')
NC North Wilkesboro WKBC-FM 97.3 100000 h.v.; directional antenna; 1350' above average terrain
NC Statesville WLVV 96.9 no directional antenna
NC Winston-Salem WSNB *89.3 125 h.v. (46', not 100000 h.v.); WSEZ 93.1 250' (100000 h.v.)
ND Dickinson KRBB 92.1 830h.v. (570')
ND Columbia WQOK 105.7 100000 h.v. (610')
ND Concord WPEG 97.9 100000 h.v.; 1530'
NC Lenoir WSTS 96.1 755' (100000 h.v.)
NC Morgantown WDXX 92.1 3000 h.v.; 300'
ND Mayville KMAV-FM 105.5 (from 101.7)
ND Fargo KRZZ 101.9 990' (100000 h.v.)
ND Minot KYND 97.1 870' (95000 h.v.)
OH Delaware WSLN *98.7 (from 91.1) 20 h.v.; 30'
OH Greenville WGVQ *91.5 (from 91.7) 25 h.v.; WECI Richmond IN doomed in its power increase?
OH Marietta WCMO *98.54 watts h.v.; 105'
OK Oklahoma City KXXY-FM 96.1 98000 h.v.; 1170'
OK Tulsa KRAY 96.5 745' (100000 h.v.)
OK Woodward KWDO 102.3 270' (3000 h.v.)
OR Bandon K219AM *91.7 (from K202AI 88.3)
OR Coos Bay K213AD *90.5 (from K211AK 90.1)
OR Eugene KPNW-FM 99.1 1630' (100000 h.v.)
OR Gold Beach K218AH *91.5 (from K220AA 91.9)
OR Grants Pass K257BP 99.3 (from K2888A 105.5)
OR Gresham KMHD *89.1 has no vertical
OR Klamath Falls K213AI *90.5 (from K204AF 88.7) KRBB 107.1 (from 95.9)
OR Portland KOAF-FM *91.5 70000 h (1580') *KRRC 107.5 7 h.v. (minus 50 feet)
OR Port Orford K213AG *90.5 (from K207AC 89.3)
OR Prineville K1JK 95.1 (from 95.3) 50000 h.v.; 440'
OR Redmond KPRB-FM 102.9 25000 h.v.; 390'
OR Roseburg K2CBAO *89.5 (from K211AB 90.1)
OR The Dalles K1WV 104.5 100000 h.v.; 2000'
PA Braddock WHYY 96.9 15000 h.v.; 930'
PA Meadville WABC *90.3 92' (115 h.v.)
PA Philadelphia WHYY *90.9 13500 h.v.; no directional antenna (920')
WY WY *91.7 directional
PA Schnecksville WXLV *90.3 900 h.v. (160')
TN Minor Hill WLLX 92.1 1200 h.v.; 460'
TN Nashville WNAZ *89.1 no vertical
TX San Antonio KRTO *91.7 3000 h.v.; 165'
TX San Antonio KBUC-FM 107.5 97000 h.v.; 1465'

SD Reliance KASD *91.1 100000 h.v. (1480')
SD Sioux Falls KCFB *90.7 140 (h); 190'
TX Borger KDKQ 104.3 49000 h.v.; 620'
TX Breckenridge KROO 93.5 270' (3000 h.v.)
TX Houston KJHF *88.7 1855' (100000 h.v.)
TX KPFZ *90.1 no vertical
TX KRLL 93.7 100000 h.v.; DA; 1720'
TX Llano KFQX 104.9 80' (3000 h.v.)
TX Marshall KBWC *91.1 no vertical
TX Texarkana KTKX *91.5 2500 h.v. (335')
UT Brigham City K244BJ 96.7 (K288AB 105.5)
UT Laketown K213AA *90.5 (K216AA 91.1)
UT Logan KBLD 92.9 100000 (h); +170'
UT Milford K280BR *103.9 (K202AC 88.3)
UT Price K208AQ *89.5 (K204AC 88.7)
UT Roy KRGO-FM 107.9 67000 h.v.; 2380'
UT Rural Utah County K2246G 92.7 (K288BC 105.5)
UT Rural Wayne County K26980 *101.7 (K202AA 88.3)
UT Salt Lake City KUER *90.1 40000 h.v.; 3000'
UT Tabiona K285BK *104.9 (K202AB 88.3)
UT Tremonton KBXN 104.9 110' (not minus 110', apparently; 3000 h.v.)
VT Lyndonville WWLR *98.7 (from 91.5) 40 h.v.; 1890', Class A status
VT Manchester WEQX 102.7 840 h.v.; 2550'
VT Waterbury WVRB 103.1 40 h.v.; 1970'
VA Front Royal WFFV 99.3 295' (3000 h.v.)
VA Harrisonburg WQPO 100.7 50000 horizontal, 44000 vertical; 500' above average terrain
VA Lynchburg WRVL *88.3 50000 h.; 44000 v; directional (1080')
VA Onley-Onancock WESR-FM 103.3 (from Tasley-Onancock)
VA Williamsburg WCVM *89.1 no vertical
WA Ephrata K276BS 103.1 (from K249AV 97.7)
WA Othello K202AJ *88.3 (" K217AG 91.7)
WA Richland K282AA 104.3 (" K252AS 98.3)
WA Walla Walla K1UJ-FM 95.7 100000 h.v. (1400')
WV Bethany WVBC *88.7 1100 h.v.; 410'
WV Charles Town WXVA-FM 98.3 3000 h.v.; 300'
WV Phillipi WQAB *92.1 13 h.v.; 46'
WI Kenosha WJZZ 95.1 15500 h.v.; 410'
WI Rhinelander WXPB *91.7 380' (89000 h.v.)
WI Schofield WESD *94.7 (from 89.1) 12 w.; 42'
WI Suring

MULTI-CITY IDENTIFICATIONS
GA Columbus WVOC 102.9 adds Phenix City AL
GA Gainesville WJLT 106.7 adds Atlanta
GA La Grange WLYF 104.1 adds Atlanta
IL Lawrenceville WAKO-FM 103.1 adds Vincennes IN, no mk
IN Bedford WBIF 105.5 adds Mitchell, still F-105
IN Greensburg WRZQ 107.3 adds Columbus IN
IN Winchester WZZY 98.3 rock, Stereo, Z-98 (strict), adds Greenville (OH)-Richmond-Muncie IN to its ID; on 24 hours
IA Le Mars KZRL 98.5 adds Sioux City IA
KY Owensboro WSTO 96.1 adds Evansville IN, still 96-STO
MD Annapolis WHFS 99.1 adds Baltimore-Washington DC, no nonID
PA Wellsboro WNBTF-FM 104.5 no longer identifies with Mansfield; just Wellsboro now
PA University Park WQWV 97.7 97-Quick (non ID)
TN Jackson WKIR 104.1 now includes Jackson-Henderson-Humboldt-Milan-Brownsville TN.
MB Baldy Mountain CBWW 105.3 adds Dauphin
FM ATLAS ERRORS (FMISTAKES)
ID map, p. 62, Bonners Ferry 100.9 KZUM should be KPPL
IN map, p. 39, with 93.5 WXUS should be the notation: "moving from 92.7"
OH map, p. 34, WSSS Hamilton *89.5 should be in large type
TX Alice KDSI (not KXMS), 92.1, p. 51
TX Fabens KPAS (not KLMF), 103.1, p. 50
MI Flin Flon, p. 65, should be in largest type, but not boldface
NB Richibucto delete from map, p. 67
NS Cheticamp, p. 67, should be in larger type
NS Yarmouth P23.7 will be in French, p. 94
PQ Camp L63 should be in larger type, p. 66
PQ Rouyn-Noranda, p. 66, should be in boldface

ABBREVIATIONS USED HERE
\$ is a stereo station. h is horizontal polarization in watts; v vertical polarization in watts; FM is frequency modulation with frequencies expressed in MHz. Heights are above average terrain and expressed in feet or meters. * is a noncommercial station. DA is directional antenna.
† stands for SCA ["Subsidiary Communications Authorization"] at 67 kHz from the station's main carrier-or rarely but increasingly happening at the new frequency of 92 kHz.
Program codes: c classical, e ethnic, g gospel, j jazz, k country, L is Latin/Spanish, m middle of the road, b beautiful music, n news, p progressive rock, r rock, s soul, t talk formats.
Networks: A ABC-FM with ABC standing for American Broadcasting Company, B National Black Network, C Columbia Broadcasting System, D ABC Direction, E ABC Entertainment, I ABC Information, K ABC Rock, M Mutual, N NBC, or National Broadcasting Company, O CBS Radio-Radio, P National Public Radio, S Associated Press network, T NBC's The Source, U United Press Audio, Y ABC Contemporary, Z Sheridan network.
The Dolby symbol is being phased out, as Dolby has not responded to my registered letter with a response to an upcoming article I plan to include in the next "FM Atlas," entitled "Whither Do Dolby?" SCA symbols: A ABC networks, E ethnic and foreign language, F talking fan news, or financial news, G gospel, L Mutual network, M music, N NBC network, Q Physicians radio network, S sports or special events, T all forms of talk, including instructional programs, regional news networks and talking book for the blind, W weather, X teletype or electronic data; P will be paging.

WRVM-FM
Box 212 Suring Wis 54174
102.7 100,000 Watts
WRVM 102.7 600' (100000 h.v.) UPI net
WI Watertown WBH *91.5 130' (2000 h.v.)
WY Laramie KCGY 95.1 1070' (100000 h.v.)
WY Lovell K252BA 98.3 (from K244AT 96.7)
WY Saratoga KWND 99.9 100000 h.v.; 1170'-believed to be still off the air
WY Torrington K210AF *89.9 carries KUWR 91.9 Laramie WY
PR Bayamon WYXX 100.7 780' (50000 h.v.)
PR Cidra WBRO 97.7 2700 h.v.; 890', legal power and in for a Class A station in PR
PR Manicao (from Mayaguez) WAEL-FM 96.1 BC Williams Lake 98.5 (from 103.9)
BC One-Hundred Mile House 95.9 (from 100.5)
MB Brochet CBDE 105.1 85 watts
MB Shamattawa CBDG 105.1 85 "
NB Edmundston CBAF-26 100.3 20000 watts
NF St. John's CHOZ 93.9 delete height-moves transmitter to a site 8 km east of former location; new height not announced
CKIX 99.1 (from 98.3)-to reduce interference to VOCA-FM 97.5
ON Windsor CKJY 93.9 80000 h.v.; new unknown height, transmitter migrates 26 km south; station denied a change to rock music
PQ Gaspe CJRG 93.3 (from 103.1); 4150 h.v. (310')
PQ Rimouski CJBR-FM 101.5 50000 h.v. (930')
PQ Sherbrooke CITE-1 96.1 (from 94.5), to accommodate CFLX Sherbrooke's move to 95.5.

With WCFL (AM) Chicago going to gospel, there is speculation that WYCA 92.3 Hammond IN may be sold and go rock. There is precedent for that in Detroit where WBFM 98.7 changed to WLLZ under new owners. The former WYCA manager has reportedly been hired by WCFL.
From CA, Sheldon Remington has gathered lots of CA-NW news, but is waiting for a computer printout to tell what he has really new. He does report that KOKO 95.1 Oakdale and KPAU *90.7 Covelo are not yet on.
With mono station WMPG Gorham ME now on *90.9, reception in southern ME of WBUR Boston is now more difficult. With antenna pointed south he still gets it, but "when it fades WMPG pours in," and can no longer get WMEH in Bangor, writes R. H. Perrin, in Wells ME.
Nick Lombardi wonders how I will be able to keep up with changes in the dual-city identifications of stations, now that FCC approval is no longer needed. Well, the FCC has never been reliable; they would sporadically list stations having such approval, but never stations giving up dual-city identifications. Flip back a page and you'll see indication of a station giving up its two-city identification. Like with SCA, the reader input has been more valuable than what the FCC public information office supplies.

Although this is not exactly an FCC-FM item, your February column on STV contains an error: There ~~never~~ was a channel 26 in Atlanta. Your reporter may have been thinking of WVEU-69, which in any event discontinued STV programming some months ago in favor of a mixture of rock video, sports, and religion. [The report I had was something accompanying sales literature for STV decoders and was fraught with inaccuracies. Still, it was the best I had seen on the subject of audio subcarriers on TV. New York was noted by a disgruntled buyer of one of my tunable TV audio adapters as a city having channel 47, which has never been STD. And one of the other stations listed is only a 1,000-watt translator, with the experts not even installing STV in mid-town Manhattan because of the severe multipath problems in reception.]
Newspaper articles Nick sent concerned WRFG *89.3 Atlanta, still j and k in its musical programming, with plans to "increase the station's transmitter power from the current 24,000 watts to a projected 100,000 watts by the end of 1985." The station's debt has been reduced from \$60,000 to about \$3,000. So far, there is no FCC construction permit for the higher power.
The other article concerned WABE *90.1 Atlanta using its satellite dish to beam a program by Boyd Lewis, "Southwind," to other public radio stations. His program is said to be quite creative, showing the South at its best. Might be worth trying to DX WABE at 7:30 p. m. Thursday or 1 p. m. Monday, Eastern time.

Strict nonIDer KWQX Woodward OK (check back three pages) is offering to sell space on its 1200' tower.
The president of the company which is installing Blaupunkt's ARI, SCA-type system at 57 kHz, writes with information on the eight stations currently having it: WNEWF-FM 102.7 New York, WALK-FM 97.5 Patchogue NY, WZFM 107.1 Briarcliff Manor NY, WHITZ 100.3 Newark/New York, WRKI 95.1 Brookfield CT, WIOQ 102.1 Philadelphia PA, WSTW 93.7 Wilmington DE, WPST 97.5 Trenton NJ. "The next market will be Detroit, followed early in 1984 by Los Angeles and San Diego. I will keep you informed. . . I love our atlas."
Nick Lemonakis did some research and sent copies of radio logs from Baltimore newspapers from 1950, 1951 and 1964. The 1950 paper lists WMAR-FM 97.9 from 7 am to 10:05 pm, with programs like "This is FM" at 8 p. m., followed at 8:30 by the Army Air Force Band and at 9 by Evening Symphony. WMCP 94.7, from 8 am to after 11:05 p. m., seemed to be m-or or light classical. Four AM station duplication operations were listed: WFBR-FM 101.9, from 3 p. m. to 9 p. m.; WCBM-FM 93.1, 6:30 a. m. to midnight; WITH-FM 104.3 on from 8: 45 a. m. to midnight; WCAO-FM 102.7.

A year later, only WWIN 94.7 (on only 4:55 p. m. to midnight), WITH-FM (on 3 to 9 p. m.) and WCAO-FM (on 6 am to 1 a.m.) were listed. In 1964, WITH-FM was listed, along with WCBC 105.7 a Christian station, WBAL-FM 97.9 (with "Hi Fi Showcase" at 7:05 p. m.), WAQE 101.9, WCBM-FM 106.5, WRBS 95.1, with a mention of WJBR 99.5 Wilmington DE, which might suggest some inter-city FM relaying going on then. WRBS seemed to be a "fine arts" station. Nick said only three established AMs, WCAO, WBAL and WITH kept their FM's into modern times. The last of the three, WTR, sold its FM in 1980 to Scripps Howard for about \$4 million.

I have record of having received WWIN-FM (by then having been joined by an AM affiliate) 94.7 in 1951 in Duluth MN, verified, with the logo of this long-deleted station appearing in one of the early editions of the FM Atlas. Dave Nieman confirms that CHRE 105.7 St. Catharines ON is exclusively beautiful music-on 24 hours, 7 days a week. He wonders how soon before the 9th edition FM Atlas is ready. I will be working on it shortly, and can use all the reader input I can get right now on station formats, stereo, dual-city identifications, etc. I am considering a suggestion of Roger Winsor-and that is to segregate the listing of translators from the other listings, both in this column and in the FM Atlas. "I have enjoyed reading and am happy to get the bigger FM News columns and special reports you've had lately," writes Dave.
Roger Winsor reports improved coverage by WLRW 94.5 in Champaign, now that they have embraced circular polarization (see behind-two more pages). WSEI 92.9 Olney, too, has much better coverage now that they have gone to 5000 (50000 h.v.). There is no answer at (309) 928-9876, the phone listing for WZRO 98.3 Farmer City IL, so if some of you get through to that number maybe you can nudge them into starting broadcasting faster! Roger is lamenting the loss of sunset AM DX now that many of the day-timers are on at reduced power until 6 p. m. Another reason for taking up FM DX? KRRY (AM) here in NE is not interested in post-sunset broadcasting, feeling it is not worth the cost to convert down to the 35 watts allowed them then.

Paul Mount sent a gossip column mentioning that WRKA 103.1 St. Matthews is going to 106.9. I don't know if that means the owners are buying beautiful music WVEZ 106.9, or if the WRKA-type programming will appear on WVEZ. Watch 106.9 to find out!
WKKA 92.3 Orlando, now with a country format, is apparently modulating its main carrier a lot more than it did when it was WDBO-FM. Consequently, their SCA sounds worse, requiring a squelched adapter that is really in tune. I recently put a squelched SCA-1 kit into a G-E Superadio II with excellent results-I was surprised the squelch would work so well on batteries. I could supply this adapter installed in the Superadio II only for \$8 more than the radio usually sells for with SCA, or \$90 total, plus shipping.

WLNX *88.9 Lincoln on with 225 watts horizontal at 65 feet is said to get out very well now. Also, WTPC *89.7 Elsin IL is supposed to be getting out better than ever, allegedly with 900 watts, but FCC data show 10 watts with not even an application pending for higher power. Could someone have polished the tubing on the WTPC antenna so it gets out better?
But I know for sure WGRN is now on *89.5 in Greenville IL, and it gets out better than ever with 300 h.v.; 210'. K1XK 106.1 Denton Tx did find a buyer, ABC, after RCA backed down on the \$9 buy. The signal is said to be weak in much of Dallas, but if you check the translator spread at the start of this column, you'll see they are attempting to solve the problem by means of a 106.3 Dallas relay.

Disc jockey Steve Ross of WXTU 92.5 Philadelphia PA locked himself in a broadcast booth and stayed on the air after the station manager fired him. "After broadcasting for over nine hours, the station agreed not to give him the air, as it were, and rehired him." I wonder if he had to avoid tending to nature during that long period.
WJYE 96.1 Buffalo remains the top-rated station in that market, edging out such long-term leaders as WGR and WKBW. Jim Pizzi sent a NM map showing the exact location of Rio Rancho, home of KZIA-FM 101.7. It is just north of Albuquerque, between Corrales and Paradise Hills. CBQ finally answered John Ebeling and sent data.

CBQ Radio Thunder Bay

The letter from Brian Cousins, Location Manager, says most of their relay transmitters are relatively low power, and gives CBLA Atikokan's at 2900 watts at 90.1 FM. CFTL 101.3 Big Trout Lake is shown as an affiliate, while CBQ-FM 101.7 is listed as coming on the air during

1984. Don't try reading the map below. It is only being used to give you some of the flavor of the CBC coverage in northern Ontario, with most of the stations being FM. It does not show places where the French network is being developed. Many of the French-CBC stations (Radio Canada) are quite powerful, and I heard a talk program on a WI station, with the people on it wondering where they were hearing the French from driving to work. [It was most likely CKSB-9 Fort Frances ON, 89.1.] Highest-



power relayers of the CBC-CBC networks are given as Fort Frances, Atikokan and Dryden, Ontario. John says the new KDNW *90.5 Duluth translator in Chisholm-Hibbing on *88.9 is wiping out reception of WOJB *88.9 Hayward WI 33 miles south of the translator location! And KSTP-TV is advertising a 14-bay RCA FM antenna for 102.9. John says that's odd, because years ago, KSTP-FM was on 102.1; and in the ratings an educational station appears. The Birch survey shows KSNJ-FM *91.1 St. Paul as having 3.4% of the audience, making it just under KSTP-AM and out of the top 10 radio stations in the Twin Cities.

KHUU 106.7 Hugoton KS plans to go stereo later this year, but now is sorting out lots of RF getting into its board, and they have a lot of engineering work to be done. The transmitter is a used Wilkinson.

Greg Monti sent a long technical description of the SCA system, which is best summarized by this statement:

The occupied bandwidth depends on both the deviation and the modulating frequencies being used. With the extremely complex combinations of modulating frequencies which would be found broadcasting stereo music plus two SCAs is truly incredible. . . . Due to the fact that a much larger percentage of the total modulation in such a station is being contributed by the main channel music than by the SCAs, the movement of, or addition of, SCAs has only a minor (not an additive) effect on total occupied bandwidth. NPR (but not my department) has shown that this is better proved empirically by using real radio stations on a spectrum analyzer.

Which probably proves that we can live [and DX] with 92 kilohertz!

Late news, a good tropo opening to southern KS and: KSOE *91.1 Wichita is classical, fine arts; KSKU 102.1 Hutchinson has an SCA carrier on all the time. Between 10-11 a. m. local time it was used for news relay, partly ABC and local newsgatherers, like ENG. Subjects concerned the winter Olympics; probably code it TS (sports and special events). K00C 104.5 Cozad has a low-modulation telemetry sound (TX) most of the time, but on two weekend nights it was heard with a sports relay of its main carrier, and at the end of the one play-by-play game an explosive was heard on the SCA not on the main channel! KSRD 96.9 Seward has ABC-Direction, has applied for new call letters with new ownership; still country in stereo.

The on-again-off-again operation of KNON *90.9 Dallas TX is chronically by Charles George:

Just before Christmas, KNON had to go off the air due to ice on the antenna. The station did not want to go on the air due to the possibility of the transmitter being burnt up. When the ice was gone KNON still stayed off the air due to bad capacitors causing the transmitter to shut off. After this was fixed the transmitter went out due to a blown tube. It is using an ITA transmitter; however, they are trying to find another transmitter. . . Except for KNON, the FM noncommercial band here in Dallas is boring. The other stations are either religious with syndicated (taped) programs, jukeboxes/training

grounds for students imitating the commercial stations, or like KERA-FM, part of NPR, but from their playing records of classical and jazz music, most of the time the station sounds less innovative than other NPR stations. [He enclosed a copy of the KERA-FM program guide and an article on KNON.] Regards to advertising on stations in the noncommercial band (Jan. FCC-FM Column). I have never noticed any commercials on the NPR or community stations, yet, however, I have noticed commercial ads over both religious outlets in the noncommercial band—KCB and KVTT. I do not think the FCC has ever bothered them about this. [I wonder if he is referring to underwriting announcements—not real "ads." But I would not be surprised; there is a thin line between underwriting and advertising. In fact, I saw an ad in Religious Broadcasting to buy time on the new WLPJ *91.5 New Port Richey FL. I wrote WLPJ about it at, but naturally, they did not reply.

This is not a recommended way to use it, because of in-flight restrictions against using electronic devices, but Eric Sundius "found the FM Atlas invaluable while DXing from an airplane during Christmas time. The maps and the formats helped the most. I received many stations from hundreds of miles away on a pocket stereo. Most of the stations lasted only about 15 minutes, and they came in best when the transmitter was on the horizon, not directly below."

Jeff Kadet reports that WDUK 99.3 Havana IL is still mono, and WCAZ-FM 92.1 Carthage IL experimented one week with rock and roll and went back to country again. He's doing a weekly show on WIUM 91.3 Macomb's SCA reading articles, comments, etc. from TV Guide. Their SCA is also on WWQC *90.3 Quincy's subcarrier. In other public radio news, WBLV *90.3 Twin Lake MI is having real budget problems—in an area having 14% unemployment. It must double its member contributors (another 1,000 needed), and raise \$50,000 in order to continue. So far, the station sent out a letter asking for \$\$\$ in lieu of the December program guide, and cut its on-air hours from 19 to 18 daily, taking one hour off the nightly "Jazz from Blue Lake," hosted by Lazzaro Vega.

A long epistle from John Jefferson was the source for much of the CA Stereo news, and he includes other items: "KMPO Modesto has been testing their transmitter (88.7). They will duplicate KSJV 91.5 Fresno (and are \$). Their transmitter shares KUBB 96.3 Mariposa's tower on Mt. Bullion. . . KEAR's Watsonville translator on 89.9 is atop Loma Prieta (with KBAY 100.3 San Jose, KWSS 94.5 Gilroy, and KKUP 91.5 Cupertino). KCJH 90.1 Stockton signed off late Christmas Day to make its power boost. They expect to be back sometime in February, or by the time you read this. They said nothing of stereo plans. KBDG in Turlock, 90.9, has been very weak since a storm in December. Finally called them about it and they were unaware of the problem, attributing the many reception problems to KUOP 91.3 Stockton's recent move to Mt. Oso and resultant annexation of Turlock to their coverage area. Most likely there's a broken lead on the KBDG antenna and the engineer is going to do some checking. KCSB 91.9 Santa Barbara, on the other hand, has vastly improved its signal by boosting to 620 watts and dropping their directional pattern. KKUS 98.1 San Luis Obispo should be on this month. Called them the day their calls appeared in the VUD; not only was the station listed already, but they're already equipping the studios. Format is undecided, though, as several existing stations in the area apparently are making changes which could rewrite the ground rules in the radio wars. [Note KSLY 96.1 and its new format, under "Call Letters" three pages earlier.] KXPR Sacramento still on 88.9; no sign they're ready to move to 90.9. But there was some activity on 90.9. Picked up a pirate, "KFQY," on Jan. 2 from the north. They were playing morph, almost b, and some weeks before that were translating KOIT on 90.9."

"I dislike the concept of AM vs. FM. Why the vs.? TV isn't thought of as VHF vs. UHF; they're thought of as VHF and UHF. I prefer the British designations 'VHF and MW' (mediumwave) to 'FM and AM'. They're both radio, only on MW you don't have as much bandwidth to work with," writes Detroit's Robert Grant. He checked and feels AM stations can use a 15 kHz audio response (30 kHz bandwidth) unless their .5 mV/m contour collides with the 0.5 mV/m contour of an adjacent-channel station in a foreign country. To his knowledge, only one station is not eligible—WHLD 1270 Niagara Falls NY.

"About WDTR *90.9 Detroit, make no doubt about it, their Stereo separation is very real. Even on some of their talk shows you can hear one person talking in the left with his echo on the right and another talking in the right with her echo on the left. On a few talk shows they are mono and [correctly] shut off their stereo pilot. Their programming varies from 'Sounds of Solid Gold' to 'Sounds of Solid Country' (both produced by the U. S. Marine Corps) to 'Meet the Soviet People,' produced by Radio Moscow. About 30% of the programs are classified as 'Music Education'. I guess the only letter that I would use for the format of WDTR would be 'V' for variety, which you do not use. Maybe tmrecks would be your list."

Broadcaster and long-time FM DX listener Al Germond of Columbia MO writes.

The antenna of KARO 101.7 suffers from some distortion, or lack of circularity, resulting in better coverages to the SW and NW, both of which favor major population centers, such as Jefferson City and N. to Moberly. His competitor, the owner of KFMZ 98.3, uses the same tower with poor signals in the directions where KARO is good. Even co-channel KLPW-FM 101.7 Union MO is not much of a threat to the DX potential of KARO. Union is off the air at midnight and is still mono [and lacks vertical polarization]. "I visited Hank Holbrook in DC while checking with my attorney and consulting engineer. The signals at his location are no more than a few miles away and you'd need a lot of traps to cut the garbage. . . But I did get to review a number of back issues of the "VHF-UHF Digest." Fine publication; sorry I haven't been reading it all along. . . I'm hoping to take home the Sequerra Model I bought for the station last August and see what it does during an opening. But I first wanted to touch base on an item in one of the past issues -- your article about capture ratio and your statement that a low factor (that is 10 dB or more) would be beneficial in DXing. I could not agree more. I recall in my earlier days having a 1947 RCA "hi fi" scrounged from the junk. This of course had an early (if not earliest) version of the ratio detector, RCA's answer to the prayer of avoiding Armstrong's patents. Capture ratio of that set may have been 10dB or worse. And while never having the opportunity to try this rig on skip, I found the sloppy factor a benefit in the early 60s with tropo. Today, this set would be cast aside for poor sensitivity/selectivity but the poor capture effect could still be invaluable. It would seem easy to tinker with modern detectors so a variable capture effect could be built in.

KARO 102 FM

COLUMBIA FM, INC.
503 OLD 63 NORTH
COLUMBIA, MISSOURI 65201
(314) 442-7373



The St. Louis and Kansas City stations are holding preliminary discussions about common FM tower sites. This is in response to the 80-90 question, which has been taking much of my time as well. The goal is to find a site satisfactory to all stations and proceed with putting up a 1000 ft. + stack to support a broad-banded panel antenna. Houston blazed the way. Harris of Quincy did that installation for \$1.8 million, not counting the tower and nine stations are multiplexed into the panel. Everyone with 100 kW facilities [in Class C territory; is looking for ways to get above the magic 984 feet. . . I feel they are turning the matter into a farce. Look at Kansas City's KMBR, asking to raise its height 50 feet (!) just so it can cross the magic threshold and become a full C. . . Their selling price may be pegged to their ability to become a full Class C. But going up 50 or 100 feet just to increase protective spacings while scarcely improving primary city coverage or even the 50 uv/m figure seems almost a moot exercise. But it puts the screws to people like me in rural areas looking to juice up our own facilities. While we still have options, the big metro stations making minor changes to become full C outlets so their book value is enhanced tend to devalue rural listeners of additional services. Or, doesn't the FCC realize that?

While 80-90 may create an additional 500-600 new channels with priorities toward 2500+ population cities without first service,

the Commission knows the big push will be among Class A stations seeking better facilities. . . I feel that Columbia, central city to one 5 Missouri SMSAs was shafted years ago by getting (originally) only two Class A slots. . . We tentatively go for 105.9. KCMQ and KFMZ may be able to slide over as C2 stations. If the FCC can clear certain case problems, many Class A stations could petition for new frequencies and higher power which in itself would seem in the public interest, with Columbia particularly egregious case. But it could take years.

I have a fetish for good, clean audio and every time I see one of those damn Urban Optimists I cringe. Armstrong would be rotating with rage. KLYF Des Moines playing rock and said to be having problems. Had bes Shulke easy listening but the tapes were burning out with listener fatigue (a major easy listening format weakness) and shares had dropped. But there's plenty of rock/a-c in the market and it seems a waste of the superior coverage. KMFM 96.7 Memphis is making a stab at getting Kirksville adv. but station just doesn't have the signal. Brookfield's AM and FM stations off the air and in some form of receivership. Town is said to be sick and KRES 104.7 with their 1000+ stick has gone in and dominated.

The jury is still out on FMs in towns under 5,000 population. There are new stations in cities such as Vandalia, Memphis, Montgomery City, Monroe City, etc. and the economics are questionable. . . While it might be possible to make it on revenues of 10K/month, there would have to be a few employees doing a lot of working. Ad in Broadcasting has KRFG Greenfield for sale "owner anxious" and a translator tossed in. Owned by an attorney in a town of less than 2,000. . . KIDS 98.3 Palmyra is successful, but only because 1 mv/m easily covers Quincy IL and also reaches Hannibal. An example of a city 80-90 might favor as a site for a new assignment is Fayette MO, pop. 3100, about 25 miles SW of Columbia, but it would face competition from many established stations.

At KARO, we have been programming Bonneville's satellite easy listening music since late Nov. (which I call "bi")—but he says "don't ever call it 'beautiful' music—maybe somebody's kids feel Def Leppard or Van Halen is 'beautiful' to them. We tape each hour for playback later. With us carrying a steady flow of CBS material, there was no way to mix the two networks. Listen to KTXR 101.5 or KTYX 106.9 screw up their entry into a network.

Al then comments on the poor quality of New York FM, having observed the distortions on the visual display of his Sequerra. "Spot the two crappiest FM stations in the world: WYNY 97.1 and WPLJ 95.5 (owned by RCA and ABC respectively). Separation sharply cut to increase overall modulation and deep processing to make the bass heavy. . . Newark's Z-100 (the old WJN-FM) is another over-compressed hot hits station, very successful. . . There's always room for another rock station; seems that's all that's on FM any more in major markets. One tends to agree with one of your writers; as much as I don't like AM's antique sound, there can be more variety and stimulating talk programming. But then, isn't one all news station and endless versions of Talk-Net, TalkRadio + Larry King a surfeit of babble? But talk will move to FM as stations try to be more competitive in other ways. FM isn't just for stereo music. Talk also sounds better. Was playing around with a CBS digital satellite receiver and caught WCBM-AM on one transponder. I had never heard 'Newsradio 88' this well before and for years, I'd heard the signal via AM and an amply local 25 mv/m signal (while living in NJ). That's AM. Talk will succeed on FM—just give it time. Look at WWDB 96.5 in Philadelphia, which gets top numbers against a CBS o&o. It will happen. AM is a sad case these days; industrywide, FM shares are at 69%; AM at 31%. . . I have over 100 FM radios around here. Our rarest sets (in storage in New Jersey) are two REL 40-44 MHz (pre-1-141 band) receivers; one was owned by Armstrong's chief engineer at KE2XXC 93.1 Alpine NJ, which I recall tuning in as a runt in '52-'53." I could go another page, but will quit for now—bz.

Contributors: P. Boerma, Spring Lake MI; J. Clark, Casco ME; Gary Dexter, Lake Geneva WI (who's commissioned me to write a chapter in an upcoming DXing book); Wendell Ford, Westville IN; Chas. George, Dallas TX; Al Germond, Columbia MO; Robert Grant, Detroit MI; Worth Hiesensch, Hix Springs MO; J. M. Jefferson, Pleasanton CA; Jeff Kadet, Macomb IL; Pete Kowles, Hugoton KS; N. Lemonakis, Baltimore MD; Nick Lombardi, Atlanta GA; G. Monti, Arlington VA; Dave Nieman, Akron NY; P. Mount, Fairview NJ; Walter Patton, Willowdale ON (supplier of most of this month's Canada news); R. H. Perrin, Wells ME; Jim Pizzi, Lovington NM; Sheldon Remington, Fairfax CA; R. F. Reese, Jersey Shore PA; R. Ritter, Essex Act. VT; David Rogers, Fort IN; Eric Sundius, Santa Barbara CA; Don Wilkerson, North Highlands, HI; Roger Young, Champain IL; Dennis Yunker, % Antelope Valley Cablevision, Lancaster CA. Also: John Ebeling, Bloomington MN, who spotted an ad by KFAI *90.3 Mpls. wanting a stereo generator. KFAI responds: Our new transmitter is in the Fishery Tower with 1 mv/m at 8 miles and 50 uv/m at 30 miles. In a settlement reached to avoid a hearing, the FCC has allowed KMOJ to go to 1000 watts, 80' on a frequency close to ours—89.9. KMOJ has yet to construct this facility, so we'll have to wait to see if any interference results. We hope for Stereo end of year. Jeremy S. Nichols, President

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

MARCH 1984

DEADLINE: 10th

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

Well, time to wrap up the 1983 loggings. Neither November nor December brought any big surprises, but at least there were a few new entries to pad out the totals. November started with a bang (a very soft one) when a business engagement took me to Concord, my old home. Besides adding several newcomers to the Concord log, was able to nail one that was new to the bay area log & probably impossible to log here. (See the 1/84 FCC FM News for a description of DCEQ's signal.) That trip was also the first outing for the GE Superadio (with SCA, of course), as ICF-2001 was in shop for minor repairs. Otherwise, all loggings were made here with the Mac MR80 & either the S/probe-9 at 55' or the CH-6065 at 15' off the ground (the latter for the MS in order to lessen interference from KUNR Reno on 88.7 & KGSO Patterson on 93.1). New to Pleasanton are starred.*

| | |
|--|--|
| 11/1 gw | 12/11 tr |
| 1412 KCEQ 100.5 CA Walnut Creek, calls | 2 0020 KCSB 91.9 CA Santa Barbara, calls Now |
| 11/10 tr | at 620 watts & vastly improved 245 |
| 1710 KIQS 105.5 CA Willows, ID, KYLC off 125 | 12/15 MS 605 |
| 12/1 tr | 1152 KNAU 88.7 AZ Flagstaff, c.phone varied |
| 0100 K210ML 89.9 CA Watsonville, KEAR ID 39 | 12/21 MS |
| (Xlator calls are as on license!) | 9405*KIZN 93.1 ID New Plymouth, ...IZN |
| 12/4 tr | Country. KGSO off freq. at about 93.0 515 |
| 1402 KSYV 96.7 CA Solvang, ID, KQKK off 225 | 12/28 MS |
| 12/10 Es | 0710 KUER 90.1 UT Salt Lake City, wx 560 |
| 1815 unID 90.5 MUF 92.3, likely El Paso area | 1/5 Es |
| 1819 KRWG? 90.7 NM Las Cruces | 0900 KRIZ 97.1 NM Roswell, ID, 7 1/2 min. |
| KPFM? 92.3 TX El Paso | without a fade! 1040 |

KRIZ was caught on a ms monitor tape while I slept, so regrettably I have nothing else on that opening. As for KNAU, what I heard from them, surprisingly enough, was the 2nd movement of Haydn's Symphony #94. (#94 subtitled "Surprise", hi, DB.) Well, that's it for now. Bay area log stands at 750 (82 for '83--just couldn't dig out one more); Pleasanton is now at 654, Concord at 333, and Castro Valley at 214 (K210ML logged there as well as here & a real challenge, being line-of-sight). The Castro Valley log likely is road-blocked until at least: Dad's ancient rotor finally quit for good with antenna aimed at San Francisco--good news for listening, but the worst possible direction for DXing. The roof is too old to risk walking on, so that location is out of action! (John, I loved your letter in High Fidelity, refuting that magazine's claims that FCC regulations make it unlikely to ever hear more than one FM station on the same channel or a station on an adjacent channel. Evidently, the writer had no experience with outdoor, rotatable antennas, DB.)

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

| | | |
|--------------------------------------|---|--------|
| 12/18 gw | time 1359 | 2/6 gw |
| KWOK 101.1 OK Woodward, k, ID, K-101 | 140 2310 K272BE 102.3 OK Ponca City, Very weak 40 | |
| 1/23 gw | My first FM translator logged. //KCFK | |
| 2300 KRLQ 97.1 OK Muskogee, ID, r | (All 3 loggings new to air.) | |

During the New Year's weekend, I visited in the High Plains of southeastern Colorado. Some aspects of the long drive made some strong impressions, especially DX-related. In the early going I was charmed by the scrub oak forest that suddenly springs up west of Enid, OK before rapidly giving way to badlands country dominated by beautiful red buttes. In not very many miles the land did flatten back out to an almost treeless prairie more typical for western Oklahoma. From then on the landmarks that caught my attention most of all along the highway were the antennas. The majority of the ranch homes possessed elaborate fringe systems. Antennas were mounted high atop poles or towers, say 40 to 60 ft. or more. UHF TV awareness seem high in northwestern Oklahoma, judging from the number of dishes, 4 way bowties (sometimes stacked double), along with long corner reflectors and yagis, also occasionally stacked. Hardly any V-onlys were seen stacked. Usually antennas were pointed toward the Oklahoma City tower farm approx. 100 miles away. Woodward's new FM with its 1205 ft. tower has quite a prominent signal in northwestern Oklahoma. K-101's signal stays sturdy as far east as Enid, about 85 miles away and well into the eastern Oklahoma panhandle. The boring drive through the Okla. panhandle revealed that the panhandle's first commercial FM is now on, KKBS 92.7 of Guymon with country. Further westward in Boise City, 300 mi. from home, a stop to check the FM band really impressed me how the town is out in the middle of nowhere with only 3 weak stations heard. In contrast, back home make that about 50 stations hearable, counting 10 spurs, with new stations appearing at a distressing rate. In big antenna country like the High Plains, WTFDA ought to figure out a way to launch a membership drive. People are so well set up out there!

###

CENTRAL FM DX

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

March 1984

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

E-SKIP HEARD ON JANUARY 7

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

Had some January skip that I lucked out on while spending a weekend at the cabin. Had I not gone north, I probably would have been busy around the house and missed the opening. I know for sure that I would not have had the TV on and been tipped by the Channel 2 Es. Anyway, here are the loggings from Prosit, MN:

| | | | | | |
|--------|-----------|---|--------|-----------|--|
| 1/7 Es | 1242 WFOC | 93.1 MD Baltimore | 1/7 Es | 1412 WMGX | 93.1 ME Portland, "Magic-93" |
| | 1247 WDSB | 94.7 DE Dover | | 1435 WRVV | 93.5 NY Hudson |
| | 1257 WDAC | 94.5 PA Lancaster | | 1453 WBYC | 94.3 ME Biddeford-Saco |
| | 1300 WHP | 97.3 PA Harrisburg | | 1500 WOKQ | 97.5 NH Dover-Portsmouth |
| | 1302 WSJL | 102.3 NJ Cape May | | 1505 WJBQ | 97.9 ME Portland |
| | 1311 WFFM | 89.1 NJ Trenton | | 1505 unID | 92.1 ?? Metropolitan opera - suspect ME stations WUFK Ft. Kent or WUPI Presque Isle. Both are flea powered, but only PBS stations in area where Es was prior to fade out. (Time was 1505-1530) |
| | 1313 WFTS | 97.5 NJ Trenton | | 1530 unID | 97.3 ?? French station (New underlined; Time is CST) |
| | 1333 WCTF | 96.3 MA Nantucket | | | |
| | 1345 WBRU | 95.5 RI Providence | | | |
| | 1351 WSNE | 93.3 MA Taunton, "Sunny FM-93" | | | |
| | 1355 WPLM | 99.1 MA Plymouth | | | |
| | 1408 WJFD | 97.3 MA New Bedford, foreign language ID given also | | | |

Was able to follow the opening clear up the east coast with a few other states thrown in as a surprise when hearing the ID's. All in all, a very nice, solid opening for January.

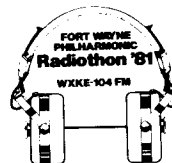
Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303

| | | | | | | |
|---------|-----------|---|---------|-----------|---|-----|
| 1/14 tr | 2230 WGVQ | 91.5 OH Greenville, s/off, 78w, ex-91.7, r mono after bb game | 1/26 tr | 0400 WVAQ | 101.9 WV Morgantown, r\$, Night Time America, o/WKRQ | 275 |
| 1/26 tr | 0205 WCLG | 100.1 WV Morgantown, r\$, faint, but calls given | 1/28 tr | 0300 WYMJ | 103.9 OH Beaver Creek-Dayton, 80 ex-WDJX 103.9 OH Xenia new?? | |

If the new WYMJ, "Magic-104," Beaver Creek-Dayton, has moved its tower from Xenia to Beaver Creek, I'll count this as a new station. Transmitting from the same tower as before the change of city license was made, would only constitute as a relog in my books. Does anyone know? This is all I have for the month of March.

73, Ralph

trenton state college
trenton, n.j.
WJUL fm
91.3 fm
08625



WJUL fm
One University Avenue
Lowell, Massachusetts 01854
"Real Underground Radio"

fm 89
WUSO

WITTENBERG UNIVERSITY
SPRINGFIELD, OH 45501



NORTHERN FM-DX

February 1983

Report to Northern if your FM DX is from: AK CT HA ID ME MD MA MT NE NH NJ NY ND OR PA RI SD UT VT WA WY CANADA and OTHER COUNTRIES.

No real Tropo to speak of in recent months, judging from the one report that has been pouring in. A good time to catch up on reports I found under six inches of dust. Word has reached me of FM skip received from within the above territory. If it reaches me before I mail, I'll try to fit it in. Remember to keep an ear out for that sneaky aurora and meteor scatter!!!!

Mike Bugaj - 69 Sherman Road - ENFIELD CT 06082 Sony 5130 Tuner, Finco FM-5 w/ rotor at 35'

JUNE 1983

5 Es
1830-2030 Es weak: WNGS-92.1, WMCU-89.7 both FL; KROK-94.5 LA and WJST-93.5 "\$ stn of the Gulf coast". Where are they? (CCI may be able to help-ed)

7 Es
1930-1940 Weak to FL: WMCU-89.7, WWVL-93.9 and WINZ-94.9.

8 Es
2055 weak KELS-92.1 rock.

11 Tr
0835 CHFI 98.1 ON Toronto "CHFI Acid rain day"
0838 CKFM 99.9 ON Toronto Blasts WEZN 99.9
0840 CKLA 106.1 ON Guelph nx wx
0855 CKGL 96.7 ON Kitchener k
0925 WZIR 98.5 NY Niagara Falls "Z-98" r
1000 CING 107.9 ON Burlington "FM-108" local ads, nx at 1000. WDJF uses same slogan & I nearly mistook for them.
1010 CBCP 93.5 ON Peterborough mono CBC doubt CBCL London as none there heard.

21 Es
2040 KWKI 93.3 MO Kansas City "sonlife"
26 Es
2020-50 weak: KEZO-92.3, KYNN-94.1 & KCLU-94.3

27 Es
1717 KIDA 92.7 IA Ida Grove "K-Ida"
1738 KDOM 94.3 MN Windom
1742 KBMO 93.5 MN Benson "KB-93"
1754 WAIN 93.5 KY Columbia
1755 WKBJ 92.3 TN Milan
1800 WIAN 90.1 IN Indianapolis Indy public schools, NPR, strange getting WAIN & WIAN together.

1937 WEIZ 100.1 AL Phenix City
1941 WVOH 93.5 GA Hazelhurst
1949 WCUP 100.3 GA Tifton "Cup radio" k
1951 WDEN 105.3 GA Macon

29 Es & Tr
1950 WCMQ 92.1 FL Hialeah Es
1956 WUVE-102.5 & WSHH-99.7 PA Pittsburgh Tr
2000 WSHH 103.5 & WINZ 94.9 FL FtLaud./Mia. Es
30 Tr
2200 good to Norfolk VA area.

JULY 1983

4 Es
0943 WMIK 94.1 IL Mount Vernon

5 Es
1900 WGYL 93.5 FL Vero Beach
1919 WGOV 92.9 GA Valdosta "W-93"
1940 WFFM 94.1 FL Lakeland
1942 WJAD 97.3 GA Bainbridge "97 Rock"
1948 WQFL 98.1 FL Live Oak
1955 WWSO 101.7 FL Quincy

14 Es
1838 WKW 106.5 IL Granite City "Rock radio 106, WKW"
1900 KXLS 99.7 OK Alva
1905 KCFM 97.1 MO Flourissant "KCFM Hit Parade"

1920 KOME 103.9 KS Fort Scott

Saul Chernos
79 Ridge Drive
TORONTO Ontario
MLT 1B6 (613)737-0585

14 Es cont.

1922 KJMC 100.1 MO Jefferson City
1923 KNID 96.9 OK Enid
1930 KQSM 105.5 KS Chanute "Country 105"
1934 KFPI 101.3 KS Wichita k o/ lci WKCI
1945 KBTZ 106.5 KS Arkansas City
1955 KEYN 103.7 KS Wichita
19 Es
1719 KTCR 97.1 MN Minneapolis k
1724 KVSC 88.1 MN St Cloud j severe wx info
2000 WTBX 93.9 MN Hibbing
2005 WSCD 92.9 MN Duluth
2011 WAKX 98.9 MN Duluth
2014 WIMI 99.7 MI Ironwood "The best mx on the range".

2029 KUMD 103.3 MN Duluth folk mx prgm
2030 KZIO 102.5 MN Duluth-Superior
2045 KWSN 96.9 MN Grand Rapids
2051 WCGR 105.1 MN Duluth car dealer ad
24 Es
0930-1230 Orlando down to Miami FLORIDA.
2227 KROK 94.5 LA Shreveport "FM94"
2230 KLAZ 98.5 AR Little Rock "Z98"
2233 KLOV 98.7 "K-Love FM" & soft rock; is this ex-KNUZ????????

AUGUST 1983

5 Tr
2300 WKSS 100.3 PA Media "Kiss 100" since heard o/ WHTZ a few times.

14 Es
2025-2100 Miami FL area
16 Es
1740-1900 mostly Miami FL stuff, but... ad
1754 WPKF 95.5 FL Key West First State Bank
1825 WHLG 102.3 FL Jensen Beach "G-102"

16 Tr
1900 strong into Norfolk VA area, & S. Jersey

19 Tr
0745 WUWU 107.7 NY Wethersfield "WooWoo FM" strong o/ WCNA. How can they say that with a straight face?

0745 WCLW 105.3 OH Mansfield supergood signal LEFT FOR WORK 0745
0950 WBEW 102.5 NY Buffalo & WCLW on car radio on rte home fer coffee 'n' DX 550 mile Tr on car radio...WOW!

1000 WKMS 106.7 PA Beaver Falls nx ID
1015 WRID 94.3 PA many Cresson-Ebensburg ads (ED: count Cresson PA stn. as you suggest)

1015 WRKY 103.5 OH Steubenville "Rocky-103"
1017 WJST 104.5 OH Wooster
1020 WAMJ 107.5 W Wheeling
1023 WZIR 98.5 NY Niagara Falls more

Mike Bugaj, cont.

February 84

Northern FM DX (2)

19 AUG, cont. Tr

1023 WZIR 98.5 NY Niagara Falls
1045 Back on road, up Rte 190, & WBEW as good as locals WAGY 102.1 & WDRS 102.9. I really needed this bad after crummy es season

20 Tr

0940 CHFI 98.1 ON Toronto
CFCA 105.3 ON Kitchener
CHUM 104.5 ON Toronto
CKFM 99.9 ON Toronto
1000 CJBX 92.9 ON Kitchener-BX93 (that's 92.7 and LONDON ON; if you had this earlier in this report, then 93.5 could very well BE LONDON.-yer edd)

1015 WPHD 103.3 NY Buffalo

25 Tr

2200 Norfolk VA good
2210 WAKK 105.7 NC Columbia OK-106
WSFL 106.5 NC Bridgeton superstrong, in all night till around 0830 26 Aug.

locked the keys in the Datsun-I know the feeling. (that's what happens when you got 550 mile Tr on the car radio and there's no radio nearby-ed). Just when I thought WQNY 103.7 had settled into b format, they go to "Q-104" and r (soft). Es really poor this summer. I got lots of jobs done around the house. Still need Chicago, IN & WI Via Tropo. Am I dreaming or what? See you next time. Mike

Daniel Oetting -2882 Old Cedar Grove Road- BROOMALL PA 19008 Yamaha T-70, Panasonic RF2600 w/ Archer 10 elem. FM ant. Rotor w-n at 25 ft AGL.

Good end of Aug Tropo on 26th...ranks among best Tr ever.

Best BROOMALL Tr since NOV 9, 1976:

- 1) OCT 14-15 '81: SC NC MA CT.
- 2) SEPT 13 '79: ME NH VT NJ NY MA
- 3) AUG 26 '83: SC NC
- 4) April 20-21 '77: MA VA
- 5) Sept 8-9 '82: MI ON

Not a particularly good year for FM Es, at least in # of new stns. Only 35 new by Es this season. (1982-58; 1981:61). Es from all over & beyond its geographical skip boundaries this year, except for S. Central Canada, WI MI. Most relogged stns: WMCU 89.7 FL & KIWR 89.7 IA

AUGUST 1983

4 MS

0115 KJSM 91.1 MN StPaul c wx
0227 WGTG 90.9 OH Cincinnati ID
0315 WJSM 95.7 b WHERE????????

5 Tr

0025 WESU 88.1 CT Middletown p
0130 CKQT 94.9 ON Oshawa rp

8 Tr

0530 CJRT 91.1 ON Toronto c strong
0543 WJAC 95.5 PA Johnstown b
0548 WYII 95.9 MD Williamsport k Y-96
0550 CFFL 95.9 ON London mr

9 Tr

0101 WPKN 89.5 CT Bridgeport j

9 Es

1105 KLIL 92.1 LA Moreauville wx
1112 Es off FM

10 Tr

2330 WQWK 96.7 PA University Park rp wx
"Quick-FM-97"

11 Tr

0005 WPKZ 105.5 PA Punxsutawney nx ID & s-off
2030 WMYL 102.3 PA Carlisle k

14 Tr & Es

0243 WVKR 91.3 NY Poughkeepsie p
1645-2030 brief Es bursts to S.FL

15 Es

2010 CBNM 90.3 NF Marystown CBC EE
2025 WJZZ 92.1 NF Benavista rp OZ-type

20 Es off FM

2055 Es off FM
2332-2343 Es unIDs
16 Es
0102 KIWR 89.7 IA Council Bluffs c s-off
1855-1930 S.FL relogs

27 Tr

0840 Norfolk VA very good again
28 Tr
0940 WDRZ 107.1 NH Exeter "Z-107" r. WCCC was off. Also got CKO-1 ON Ottawa & WKDN both on 106.9.

SEPTEMBER 1983

0850 All ON Ottawa very good 102.5, 103.3, 105.3 pegging.
1050 CHEZ 106.1 ON Ottawa good "Shay106"
1500 WOLC 102.5 MD Princess Anne
2340 Norfolk VA in again, & WGH now is WNSY "Sunny-97"; also WMAR 106.5 MD a clone of WCAU 98.1 PA, with hot hits.

I read in our local paper re a DJ at WQRS -FM MI Detroit who locked himself out of the studio for 45 minutes, causing dead air. Some listeners thought he had a heart attack & called police; they got him back in. It reminds me of when I came home from work &

locked the keys in the Datsun-I know the feeling. (that's what happens when you got 550 mile Tr on the car radio and there's no radio nearby-ed). Just when I thought WQNY 103.7 had settled into b format, they go to "Q-104" and r (soft). Es really poor this summer. I got lots of jobs done around the house. Still need Chicago, IN & WI Via Tropo. Am I dreaming or what? See you next time. Mike

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17 Tr

0815 WKTC 104.3 NC Tarboro k 310
0816 WNTT 100.9 VA Warsaw k

21 Tr w/ WKDN 106.9 NJ off-air

0015 WPCX 106.9 NY Auburn k notice re xltr
0020 CKO-lt 106.9 ON Ottawa nx t

2114 CILQ 107.1 ON Toronto rp "Toronto... ..Q-107"

2131 WXCS 106.9 MD Hagerstown rp "107-X"
2139 CING 107.9 ON Burlington rjs Torontowx

190 2251 CJQR 97.7 ON St Catharines k
130 2254 CFFL 95.9 ON London mj

365 2306 WMMC 98.3 PA Mifflinburg k
2310 CKNXt 101.7 ON Wingham CBC EE c (yer editor has doubts; lemme get back to you on that one. I think I had an ID exactly like yours / make that an UNID).

2325 WBUF 92.9 NY Buffalo r

2340 CIGT 97.1 ON Belleville b

2349 CKGL 96.7 ON Kitchener km 360
2359 CKDS 95.3 ON Hamilton in v. gd.

22 Tr

0007 WQYX 93.5 PA Clearfield k ABC contempo -rry news & s-off

0011 WVRK 106.5 NY Buffalo k
0015 WJWU 107.7 NY Wethersfield rp

0800 WDEL 92.1 VA Chester g

25 Tr

0840 WMSL 97.3 NC Wilmington r 425
0845 WSOX 94.9 MA West Yarmouth b

0847 WYD 100.9 CT New London b

26 Tr EXCELLENT DXCT:
0815 WYD 96.1 NC Raleigh r 340
0818 WNCN 88.1 NC Raleigh rp 340
0819 unID 92.5 g (Henderson NC?) over.....

AUG. 26 Tr cont.
 0830 WCPE 89.7 NC Raleigh c
 0838 WJYR 92.1 SC Myrtle Bch b ID...WOW L80
 TONS of 92.1 stns in
 0847 WZZY 100.9 NC Fairmont r "Z-101" 430
 0854 WKSX 104.9 NC Tabor City "Swap Shop" ad
 0857 WJSC 92.9 SC Dillon 450
 w/motown & oldies mx ads 445
 0901 WWSL 97.3 NC Wilmington r 425
 0901 had to leave this great Tr for work

26 Aug con Tr
 1800 unID 103.3 WHYY Philadelphia PA ID....
 is this a translator?????
 73's Dan.

I'll print TOTALS, UNIDS, ETC BUT KEEP TO A
 MINIMUM. THE ABOVE RPTS ARE FINE. REMEMBER,
 CCI IS YOUR BEST WAY TO SOLVE UNIDS USING THIS
 CLUB'S BULLETIN AS ARE NEWS COLUMNS. 73s, Saul.



Mississippi's Educational FM Radio Stations

 WMAE 89.5
 BOONEVILLE

 WMAV 90.3
 OXFORD

 WMAO 90.9
 GREENWOOD

 W 89.9
 MISS. STATE

 WMAA 91.3
 JACKSON

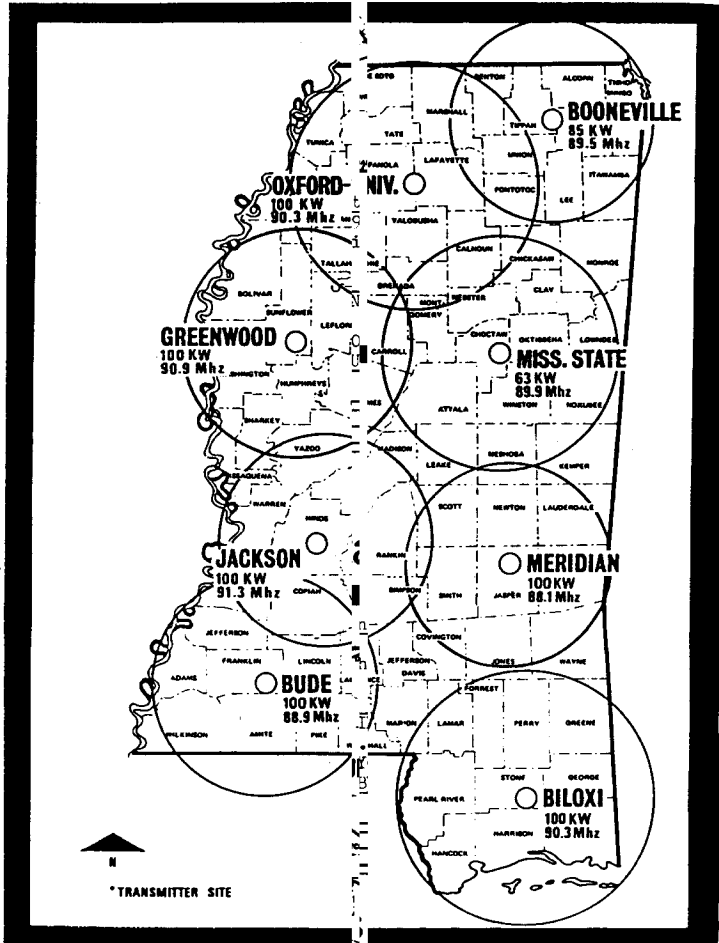
 WMAW 88.1
 MERIDIAN

 WMAU 88.9
 BUDE

 W 90.3
 BILOXI

FOR QSL/MAPS
 WRITE TO
 DAVID J. WILSON
 DIR. of ENG.
 PROGRAM GUIDE
 WRITE TO
 LINDA CARR
 FLENTJE
 DIR. of RADIO
 at
 MISSISSIPPI
 AUTHORITY FOR
 EDUCATIONAL TV
 DRAWER 1101
 JACKSON, MS
 39205
 PHONE
 601-982-6565

COVERAGE MAP from Tim McVey



NORTHERN FM-DX (continued)

Saul Chernos
 79 Ridge Drive
 Toronto, Ontario
 M4T 1B6

March 1984

Northern FM DX is your forum for reporting FM DX if it is DXed from AK CT HA ID ME MA MD NT NH NJ NY NE ND CR PA RI SD UT VT WA WY CANADA and OTHER COUNTRIES.

Arnold Lazarus - 333 Candee Ave. #4E - Sayville NY 11782 (516)567-2545

Equipment: Akai AT2650, Channel Master Probe 9 and rotor at L04

JULY 1983

23 Es
 1056 WMC 99.7 TN Memphis r "FM-100" lcl ads
 1057 KADL 94.9 AR Pine Bluff
 1101 KDCR 88.5 IA Sioux Center
 1502 WINZ 94.9 FL Miami Bch r "I-95"
 1520 unID 94.9 ? SC b ID as "Nuestra Direccion"
 24 Es cont.
 0833 WPCS 89.3 FL Pensacola lcl wx
 0847 WFMC 99.1 MS Pascagoula k
 0850 WKSJ 94.9 AL Mobile "KJSJ"
 0853 WQID 93.7 MS Biloxi r "94-QID"
 0855 WLWI 92.3 AL Montgomery g "Pappy morgan" show
 0858 WCMQ 92.1 FL Hialeah SS "R. Mardon" lcl ads
 0958 WCKY 95.7 FL Clearwater rm "Magic-96"
 (WCKY is 1530-AM OHIO Cincinnati-ed)
 1007 WAFB 98.1 LA Baton Rouge r
 1017 WPAP 92.5 FL Panama City
 1025 WMLL 93.9 FL Miami Bch "Love-94"
 1030 WHIL 91.3 AL Mobile
 1032 WBLX 92.9 AL Mobile
 1036 WHRS 90.7 FL W. Palm Bch Fundraising,
 (305)736-3138 "\$91"
 1043 WHNZ 94.9 FL Miami Bch r "I-95"
 1047 unID 88.7 ? PF ment. Lafayette
 (ex-88.1 LA stn...changed freqs-ed)
 1053 WAIA 97.3 FL Miami r "97-A-One-A"
 1054 WJZZ 98.7 FL Ft Pierce "JZZ"
 1057 WRMF 97.9 FL Palm Bch r
 1100 WLMC 103.1 FL Okeechobee g.
 1101 WMQS 99.9 FL Boca Raton
 1107 WCKC 102.7 FL Pompano Bch "k-102" o/WNEW
 1109 WAVV 105.5 FL Vero Bch r "Wave-105" MUF 107.9
 1114 WLYF 101.5 FL Miami b
 1116 WJUM 94.3 FL Marathon "\$-94"
 1118 WFTN 92.5 FL Key West r
 1121 WGYL 93.5 FL Vero Bch The ancr said
 "WGYL Vero Beach".
 1125 WLEL 105.9 FL Deland
 1127 WSHF 103.5 FL Ft Lauderdale r o/WAPP
 1129 WHEW 102.9 FL Ft Meyers (that's MYERS as in
 the rum, not MEYERS as in the hotdog-ed)
 1129 WVFM 94.1 FL Lakeland b
 1136 WTHI 93.1 FL Miami c
 1139 WQBA 107.5 FL Miami SS lcl ads
 1144 WCVU 94.5 FL Naples "SeaView" calls b
 1152 WHOO 96.5 Orlando FL k
 1158 WVPK 95.5 FL Key West
 1200 WVEA 107.3 FL StPetersburg
 1201 WJUC 93.3 FL k ID unlisted (the FL is
 my doinr; FM Atlas not here but methinks it
 Tampa; it exists at any rate.-ed)
 1204 WDLV 103.3 FL Bradenton lcl nx, b
 1207 WFTZ 93.7 FL Coala "87degrees in downtown
 Coala"
 1218 WJSD 101.7 FL Quincy g
 1224 WSRZ 102.5 FL Sarasota r "MusicWave-SRZ"
 1227 WJQI 100.7 FL Tampa r "W-101" lcl ads
 1232 WKTZ 96.1 FL Jacksonville b "Fazy skies in
 downtown Jacksonville"
 1237 WRNB 89.3 FL Boynton Bch g
 1251 WJUE 93.3 LA New Orleans "Q-93"
 1258 KYKZ 96.1 LA Lk Charles r "Kix-96"

24 Es cont.
 1259 WKOR 92.1 MS Starkville
 1304 WJNS 92.1 MS Yazoo City
 (PAUSE IN THE ACTION if I remember?-ed)
 1759 WMPF 88.5 FL Tampa Bluegrass show
 1807 unID 92.1 Country-92" k
 1809 unID 93.3 "the new Q-93 hitradio"
 1821 WYIL 100.7 FL FtLauderdale r "Y-100"
 1835 WXOS 100.3 FL Plantation Key 88° temp
 1842 WAKY 105.9 FL FtLauderdale "WAKY-100"
 1857 WEAT 104.5 FL W.Palm Bch. b MUF 107.9
 1859 WEDR 99.1 FL Miami
 1900 WJUS 104.7 FL Big Pine Key r
 1902 WYOR 105.1 FL Coral Gables rm
 1904 WQCS 88.3 FL FtPierce "Indian River
 Community College Radio"
 1906 WFFK 95.5 FL Key West k "100,000 watts
 of \$ k for our listeners on Grassy Key in
 the FL Keys, hit-kicker-95 - Love our
 Country-FM"
 1914 WLYC 107.7 FL Mount Dora "Joy-108"
 1921 WCKS 101.1 FL Cocoa Bch. rm "CK-101"
 1925 WBIJ 95.9 AL Tuskegee
 1949 WLOQ 103.1 FL Winter Park
 2005 KRVS 88.7 LA Lafayette reggae (d'ya
 mean reggae mx?; that's the FF you had
 earlier at 104.7-ed)
 2011 WCKW 92.3 LA LaPlace coverage of lcl
 fair.
 2016 KHYS 98.5 TX Fort Arthur r "Kiss-98"
 2109 WRIT 92.7 FL Stuart
 2113 unID 94.9 ? 2S b
 2116 WKPX 88.5 FL Sunrise r

AUGUST 1983

4 Tr
 0740 WRCK 107.3 NY Utica r "Rock-107"
 0759 WQNY 91.3 NY Syracuse
 12 MS
 0522 unID 91.3 Cable News Network Audio
 0601 WQSG 91.3 MI Grand Rapids
 perfect (taped)ID
 14 Tr
 0559 WQSD 89.3 PA Warminster signon ancts
 15 Es
 2045 unID 90.3 CBC in Mono (I'll check-ed)
 16 Es
 1748 WKPX 88.5 FL Sunrise r
 1754 WFTN 92.5 Key West rm
 1757 WINZ 94.9 FL Miami Bch r "I-95"
 1759 WJPS 90.7 FL W. Palm. Beh.
 1808 WYMI 93.1 FL Miami b
 1813 WMPF 97.9 FL W.Palm Bch
 1815 WLYF 101.5 FL Miami b
 1819 WMLL 93.9 FL Miami Bch r "Love-94"
 1828 WRMB 89.3 FL Boynton Bch nx
 1830 WGYL 93.5 FL Vero Bch
 1832 WQVW 95.5 FL Ft Pierce rm
 1835 WCKC 102.7 FL Pompano Bch r "k-102"
 1845 WJFP 90.3 FL FtLauderdale g
 1900 WJUC 89.7 FL Miami g
 16 Tr
 2147 WAIG 91.9 MA Springfield s more...
 2205 WTCC 90.7 MA Springfield

AUGUST cont.
 17 Tr
 0800 WXXI 91.5 NY Rochester
 21 Tr
 0745 WHRL 103.1 NY Albany
 25 Tr
 0659 WLIF 101.9 MD Baltimore
 0727 WYCR 98.5 PA York "98-YCR"
 0736 WQMS 105.5 DC Washington c
 0748 WBSB 104.3 MD Baltimore r "B-104"
 0800 WCVT 89.7 MD Towson nx
 0808 WXYV 102.7 DC Washington s "V-103"
 2109 WKJA 92.1 NC Belhaven k & m "FM92"
 & also "92-KJA"
 26 Tr
 0350 WYYD 96.1 NC Raleigh rm very strong
 0400 WRSV 92.1 NC Rocky Mount
 0430 WLYY 97.9 MD Baltimore "98-Rock"
 0458 WQDR 94.7 NC Raleigh r
 0515 WQSM 98.1 NC Fayetteville s
 0516 WLOM 99.1 unknown m ID
 0530 WFRS 95.1 NC Kingston b
 0532 WSHA 89.9 NC Raleigh
 0555 WRAL 101.5 NC Raleigh
 0631 unID 92.1 ? s mono "Soul-92" ID
 0705 WSTS 96.5 NC Laurinburg ID, "Family R."
 0716 WIDO 103.1 NC Dunn s "D-103" Fayetteville
 -area PSA
 0750 WUNC 91.5 NC Chapel Hill
 *0800 WDSC 92.9 SC Dillon r "\$-93 is WDSC Dillon"
 State # 36
 1754 WLTN 93.3 NC Washington "Rock-93"
 2059 WNSB 91.1 VA Norfolk j
 27 Tr
 0810 WKTC 104.3 NC Tarboro k "KT-Country"
 0825 WKEZ 94.1 VA Yorktown k
 0830 WPOS 90.5 VA Chesapeake
 0856 WCTD 107.1 MD Federalburg g
 0859 WATR 95.9 DE Bethany Bch r "96-Rock"
 30 Tr
 0935 WDLA 92.1 NY Walton k

SEPTEMBER 1983
 2 Tr
 1943 WCEI 96.7 MD Easton r
 1945 WQVB 97.3 NC Millville
 2053 WPOST 97.5 NJ Trenton o lcl WALK
 2303 WHDG 103.7 MD Havre de Grace
 9 Tr
 0830 WPEL 96.5 PA Montrose wx
 10 Tr
 0817 WSVS 104.7 VA Crewe
 0821 WMZQ 98.7 DC Washington k "98-MZQ"
 14 Tr
 0402 WRGW 95.5 NY Albany b nx
 0430 WJYJ 90.5 VA Fredericksburg
 0500 WEEA 88.9 MD Baltimore
 29 Tr SUPER TROPO OPENING!
 0630 WUNC 91.5 NC Chapel Hill
 0700 WKVI 101.7 VA Kilmarnock
 0708 WYYD 96.1 NC Raleigh
 0726 WRAL 101.5 NC Raleigh lcl wx
 0757 WMHK 89.7 SC Columbia g
 0758 WLTR 91.3 SC Columbia multi-stn ID
 0806 WNSC 88.9 SC Rock Hill //WLTR
 0808 WJWJ 89.9 SC Beaufort //91.3WLTR
 0815 WFSB 89.1 NC Fayetteville s-on ancts
 0829 WRYL 88.3 VA Lynchburg
 0830 WSCI 89.3 SC Charleston, multi-stn ID
 0842 WVSP 90.9 NC Warrington
 0859 WRJA 88.1 SC Sumter multi-stn ID
 1935 WGFN 99.5 NY Schenectady r
OCTOBER 1983
 1 Tr
 1028 WQXT 98.1 NY Binghamton b
 1030 WKXZ 93.9 NY Norwich "Kix-94-FM"
 1054 WJTV 101.9 NY Cherry Valley g
 1059 WIBQ 98.7 NY Utica b
 3 Tr
 0530 WMMT 89.1 NY Schenectady c
 0600 WCON 91.3 NY Syracuse

(ED. NT.: thanx for tape of pirate & yer
 DX. Most interesting - ed)(I'll check on
 Nord-Nueve, too-yer editur, again)

Fred Nordquist - 7945 Boxford Rd - Clay NY 13041

JUNE 1983
 27 Es 1745-1827 to SE
 1801 WPIC 89.1 FL Titusville
 1825 ZEM 89.1 BERMUDA ID lcl ads
JULY 1983
 5 Es 1921-2204 to FL MS OK KS
 1957 WBAT 104.5 FL W.Palm Bch. m "\$-104" nx 1170
 1953 WMPF 97.9 FL Palm Bch. wx ads 1170
 1953 WWSL 96.7 FL Jupiter SID oldies 1150
 2123 KAYE 90.7 OK Tonkawa r lcl promo 1205
 2152 KSDP 88.1 KS Manhattan c "Manhattan's
 first FM station" 1095
 2203 KNUW 89.1 KS Wichita wx
 7 Tr to NW
 0728 CHAY 93.1 ON Barrie lcl nx WNTQ-NY off 195
 14 Es 1840-2038 to KS MO AR OK
 1859 KSOZ 91.7 MO Point Lookout NPR 990
 1929 KSLB 101.5 KS Liberal lcl ad 1360
 1933 KANZ 91.1 KS Garden City wx Old Time R.
 Prgm. 1330
 17 Tr to NE
 0110 CBMB 91.7 PQ Sherbrooke EE "940-CBMB" s-off
 anct w/ ment. FM XLTRs (8AM) 255
 23 Es 1042-1351 to K, S, W and W
 1113 KQKY 105.9 NE Kearney r wx "KQ-106" 1180
 1123 KQCL 97.7 LA Kaplan lcl ads
 1135 KJJB 105.5 LA Eunice ID contest TC 1255
 1306 WUMF 88.1 FL Pensacola ID wx prgm ads 1075

23 Es cont.
 also hrd TX MS AL IA KS. -ed)
23 Au 1900-2013 (yer ed noted Au on TV-131-
 1754 WKDD 96.5 OH Akron r ID wx
 1959 WNUZ 103.5 MI Detroit ID
 1923 WMBI 90.1 IL Chicago 600
24 Es 1329-2300 to FL LA TX MS
 1329 WBSN 89.1 LA New Orleans wx 1195
 2022 WTSU 90.9 TX Houston j talk 1410
 all Houston stns in exc for 1/2 hour!
 2057 KKED 90.3 TX Corpus Christi wx ID 1595
 2059 KEXX 93.9 TX Corpus Christi ID 1595
 24 AP airplane flutter
 2115 WQZZ 94.1 WV Keyser lcl promos ID 305
24 more Es
 2206 WIXD 105.7 MS McComb rr countdown
 2209 WMYQ 106.3 MS Newton "Q-106" TC g
AUGUST 1983
 5-7 enjoyed attending the Durkirk convent'n
 7 Tr to North
 2031 OKO-1 106.9 ON Ottawa o/lcl WPCX!
 15-16 Es 2345-0004 to OK MO
 2357 KWGS 89.5 OK Tulsa j ID
 0004 KOBC 90.7 MO Joplin wx ID
 73 - Fred
 (Well...this is a first...2 whole pgs dur
 (3 weeks early. stay tuned, there's more:)

Before I type any more reports, something to cheer you up, or at least make you wonder what the heck this world's coming to - your choice, whatever way you want to look at it. It fits the big 'n' beautiful world o' radio, tho:
 In an interview of singer-performer Nina Hagen, a rock star of sorts from Germany, in our University paper The Charlatan by Mark Nicholson, she says "I think we are all like a radio station and we can send out beams and receive beams...I'm a normal human being in the sense that I'm here on this planet with you and I breathe the same air that you do - but it's the frequencies you have, to receive radio waves - you can put the dial on your radio and you can receive KROQ or something; the same way you can receive something from other worlds."

Daniel E. Oetting - 2882 Old Cedar Grove Road - Broomall PA 19008

AUGUST 1983
 30 Tr
 2345 WNCY 107.9 NC Greenville b
 2346 MDYL 92.1 VA Chester g
 31 Tr
 1000 WRAL 101.5 NC Raleigh rm
SEPTEMBER 1983
 2 Tr
 2250 WSOX 94.9 MA W. Yarmouth b
 2251 WCTF 96.3 MA Nantucket m
 "Nantucket Stardust"
 2300 WCIB 101.9 MA Falmouth mr
 2309 WRJU 90.3 RI Kingston
 9 Tr
 2321 WMOK 105.7 NC Columbia r "OK-106"
 1C Tr
 0052 WRGZ 104.9 NY Montour Falls rp
 WRDR off, "Wings-105"
 12 Tr
 1750 WMLQ 92.5 NY Rochester r "Q-92"
 WIFI off from T-Storm. 10 mins later
 my Yamaha T-70 knocked out of service;
 it's in the repair shop till Sept 24.
 NEVER trust a T-Storm, just because it's
 stopped raining!!
 13 Tr w/ RF-2600 off)
 0050 WINC 92.5 VA Winchester r WIFI still
 28 GHz w/ Yamaha T-70 back
 1032 WXLV 90.3 PA Schnecksville \$ r new
 to the air

SEP. cont.
 29 Tr
 2300 WANC 90.3 NY Albany c in well
 30 Tr & AS WSTW off most of day
 1143 WBLK 93.7 NY DePew s
 1200 WMYK 93.7 NC Elizabeth City r
 1256 WBEZ 93.7 PA Pittsburgh r "B-94"
 1743 WLWH 93.7 CT Hartford SS
OCTOBER 1983
 1 Tr & AS WSTW off for several hours
 1525-1900 WMYK, WLWH, WBLK, WBEZ in again
 3 GW
 0030 WFNM 89.1 PA Lancaster p
 4 Tr
 0945 WNTT 100.9 VA Warsaw k
 5 Tr
 0106 WKRE 90.9 NY Brooklyn r strong!
 0130 WRIT 93.5 NY New Rochelle m
 9 Tr
 0005 WNCY 107.9 NC Greenville b
NOVEMBER 1983
 1 Tr
 2120 WDLC 96.7 NY Port Jervis b
 8 Tr
 1050 WDCV 88.3 PA Carlisle r
 1106 WMRP 95.9 PA Lewistown r
 2147 WMSW 91.1 PA Middletown r
 2212 WOEZ 100.9 PA Milton b
 10 Tr
 0448 WCTO 94.3 NY Smithtown b
 0520 WKZE 104.7 MA Orleans r "Cape-104"

Not much to report since late August. Missed the aurorae, & Tropos have been yawning-inducing. But I haven't lost hope yet - there's still a couple of weeks left for that big fall opening. Looking into the far future, scientists are speculating a 90 F warm-up of the atmosphere by the year 2000 - it's the ol' "Greenhouse Effect". That will keep the tropo openings rolling in - IF the FM band isn't overcrowded with locals by then. Although maybe this won't be so, with the introduction of Cable Radio. (Cable Radio?) (ED NOTE: I wonder if Nina Hagen is hooked up for cable radio or if she relies on Tr, Es, etc... like us. She must go mental during an intense opening when no one station is in for more than 5 seconds at a time) For those who are in MS range of PHILADELPHIA PA, 95.7 WFLN is now 24 hrs (use-to s-off 2-6AM ELT) They're c format. Anyone having trouble getting "Spy-95" WSPI 95.3 Shamokin PA? Their signal's greatly improved here now. They announce that they've more power, but according to my information, WSPI was supposed to have made the change to full power over 2 years ago. Until next time, 73's, Dan.

Fred McCormack - 135 Prairiewood Drive - FARGO ND 58103 CDT Heathkit AJ-1600, Winegard CH-7078

AUGUST 1983 1 Tr
 0001 KKVQ 100.9 ND Valley City r 55
 0002 KKIB 105.1 MN Breckenridge r 25
 the above both // as "Double-K-FM"
4 Tr
 2216 KKFJ 103.7 MN Bemidji "KJ-104-FM" r 100
7 Tr
 0200 WOI 90.1 IA Ames j 370
 0228 KSOY 95.1 SD Deadwood "K-Sky" r 375
 0232 KGOQ 104.5 NE Cozad b 445
 1006 KOFI 92.3 IA Oelwein "Country-92" 375
12 Tr
 0606 KORS 107.3 IA Burlington 560

18 Tr
 0158 KORS 107.3 IA Burlington 560
 0235 KHRQ 100.7 IA Iowa City "Rock-101" 445
 0301 WCBU 89.9 IL Peoria 555
 0311 WAAG 94.9 IL Galesburg k 520
 0322 WBNQ 101.5 IL Bloomington r 590
26 Tr
 1232 KUVL 102.5 ND Devils Lake r 130
28 Tr
 0329 KLIN 107.3 NE Lincoln 420
 0329 KSYZ 107.7 NE Grand Island 420
SEPTEMBER 1983
 25 Tr 0928 KOGN 101.5 MN Ortonville g 110

Mike Buzaj - 69 Sherman Road - Enfield CT 06082 Sony 5130 tuner, Finco FM-5 at 35' w/ rotor

SEPTEMBER 1983
 12 Tr
 0711 WKAD 100.1 PA Canton nx, ID o/wDST
 30 Tr
 1750 WJZY 105.5 NH Concord "FM-105.5" easy rock

OCTOBER 1983 8 Tr
 very heavy coastal Tr to Norfolk VA area incl.
 WSFL-106.5 & WKEZ-94.1. Also WTVR-98.1
NOVEMBER 1983 14 Es
 2143 WJMG 92.1 MS Hattiesburg "92-FM"
 2150 WQUE 93.3 LA New Orleans "Q-93"

There have been a few changes around here lately. First off, local WDW is now on 105.3 from 89.7. They were less of a pest on 89.7. Luckily they aren't on too much & s-off early (2200 or so ELT). Not very professional - more like first graders playing radio. I first noticed WERI 103.7 very strong Nov 27, & since then I've found they put a very good signal into N'ern CT or a car radio now. They must have at least doubled their power as they almost peg the meter here & do not fade. I'd say they have the best coverage of any RI station now, stronger than WPJB or WHJY. Well, if somebody is gonna kill a DX frequency for me, it might as well be them. At least I like their rock format and their Stereo is clean. See you next spring.

Arnold Lazarus - Same address as page 1 Akai AT2650, Carver TX-11 after Dec 2, CM Probe 9 at

NOVEMBER 1983
 9 Tr
 0523 WKQV 92.1 NJ Vineland r
 0600 WIBF 103.9 PA Jenkintown g
 0602 WGLS 89.7 NJ Glassboro s-on ancts
 0845 unID 105.7 Niagara-St Catharines area ads
 Presumed CHRE. (ED: For certain!)

13 Es
 1430 KQKI 95.3 LA Bayou Vista k
 1435 WQUE 93.3 LA New Orleans r "Q-93"
 1443 WQID 93.7 MS Biloxi r "94-QID"
 1445 WCKW 92.3 LA LaPlace
 1446 WJMG 92.1 MS Hattiesburg s "G-92"
 1450 WYLD 98.5 LA New Orleans
 1455 KSMI 104.9 LA Donaldsonville
 1810 KYKZ 96.1 LA Lake Charles k
 1959 WTGI 103.3 LA Hammond r
 2002 WFMP 102.5 LA Baton Rouge r
 2004 WRKF 89.3 LA Baton Rouge
 2005 WYMK 101.5 LA Baton Rouge
 2019 KSMB 94.5 LA Lafayette r
 2021 KAJN 102.9 LA Crowley g
 2040 98.5 & 96.1 in SS; again 2051.

DECEMBER 1983
 3 Es
 1502 WKPX 88.5 FL Sunrise r
 1521 unID 94.9 StPe ersburg ad WYNF?
 1524 unID 89.1 SS
 1559 WUSF 89.7 FL Tampa
 1602 WDUV 103.3 FL Bradenton m
 1604 unID 92.1 "K-92" k mono
 1610 WYKS 105.5 FL Gainesville r "Kiss-FM"
 1612 WBFK 92.1 FL MacClenny r mono
 1615 WRMB 89.3 FL Boynton Beach g
 1617 WINZ 94.9 FL Miami Beach r "I-95"
 1618 WJCL 96.5 GA Savannah m
 1623 unID 92.1 r "Hot-FM"
 1627 WAFG 90.3 FL FtLauderdale
 1631 WVVV 90.9 GA Valdosta r
 1640 WQIK 99.1 FL Jacksonville k
 1654 WFYN 92.5 FL Key West PSA
 1658 WCVU 94.5 FL Naples m "Seaview, WCVU"
 1659 WQCS 88.3 FL Ft Pierce
 1710 WINK 96.9 FL Ft Myers "Wink-FM-97"
 1730 WVEG 92.1 FL Labelle local ads
 1732 WQUZ 99.3 FL Ft Myers Beach r

DECEMBER cont.
 4 Tr
 1900 WFHE 101.7 unknown x1tr // 94.7
 1932 WRCK 107.3 NY Utica r lcl ads "Rock-107"
 5 Tr
 2042 WAMH 89.3 MA Amherst j
 2057 WQTQ 89.9 CT Hartford s
 6 Tr
 0713 WIXL 103.7 NJ Newton k
 1928 WAIC 91.9 MA Springfield "Here at AIC"
 9 Tr
 1944 CKBY 105.3 ON Ottawa k
 2015 CFGL 105.7 PQ Laval m FF QTH ID
 10 Tr
 0958 unID 103.3 comedy show w/joke about pers-
 ons from NFLD (ED: CBO-FM \$ Ottawa ON fer sure)
 1029 WJOM 100.9 NY Albany r
 1400 unID 94.9 PF news (CINF Hull PQ fer sure)
 1443 WQBK 103.9 NY Reinbeck "Q-104" r WRON off
 11 ES/AU
 0022 KFXL 92.9 ND Grand Forks r "XL-93"
 11 Tr
 1006 WENU 101.7 NY Hudson
 1010 WJOM 100.9 NY Albany
 1300 CIEL 98.5 PQ Longueuil FF b "Seal F. Radio
 Sanc" (yer ed thinks they ID: "Syel !F...not
 sure re end of ID, Ciel means sky in FF)
 13 MS
 0500 WZEZ 92.9 TN Nashville "ZEZ Nashville"
 0700 WVCK 92.9 KY Lexington "It's 7AM at K93 W-"
 2044 KGRC 92.9 MO Hannibal "72 degrees at KGRC"
 (ED...ARE YOU SURE ABOUT SOME OF THOSE. ON DEC
 13 AT 7PM local TIME IN MO I DOUBT IT WAS 72
 DEGREES - THE MIDWEST WAS JUST ENTERING A COLD
 SPELL OF RECORD NATURE. IS KY NOT C ENTRAL?
 I COULD BE WRONG ON THAT, THOUGH. BUT CHECK)
 HAPPY NEW YEAR JANUARY 1984
 1 Tr
 2100 CBO 103.3 ON Ottawa "This is CBC Stereo"
 2 Tr
 2020 WBUF 92.9 NY Buffalo r
 2051 WYYY 94.5 NY Syracuse r "Y-94"
 4 MS
 0620 WMDU 92.9 IL South Bend "U-93"

Arnold also had Es Jan 7 MUF at least 99.7 to N.

Central US & Central Canada. I'm out of space so that & his comments either next page or if no reports come in to fill another page, you'll have to WAIT. You see I'm all caught up. So you'll all have to do something about that, heh! Meantime I'll solve his Canadian unIDs.

ANTENNA NEWS

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

March 1984

Dear Fellow DX'ers,

Two days ago I had a nice chat with club member Phil Boersma from Spring Lake, MI as my mother lives in that town and I was visiting her and could call Phil without making the new Ma Bell instantly wealthy. After talking with Phil I was once again amazed at the wide variety of interests with which different hobbyists come to this club. Phil for instance is very interested in radio formats and the like. Other readers such as George Mileon come from audiophile backgrounds. Some members such as Paul Swearingen are involved in the radio-tv business but most are not. Jeff Kadet buys and sells TV Guides. Many members are involved in other DX'ing activities and many aren't. Some members are interested in the technical side of things, some just concentrate on the actual art of DX'ing.

I hope that at this point it doesn't disappoint you too much to find out that I don't DX all that much. Nate Ely is probably right though that one super-hot opening would change all that. My interest is in antennas almost exclusively. But things being as they are, there are not too many people around who care to talk about this or that antenna etc. I am not a ham so do not fit in well with ham type groups although many of those people have alot of antenna knowledge. This DX'ing club has provided me with the opportunity to discuss antenas of the type I like best with several other people who at least enjoy the end result and maybe even get pretty excited about the raw technology of the whole thing. I must say that I appreciate this opportunity. Thank-you.

All of this brings me to the membership count presented in the January VUD. Although 265 members is not bad, it would seem to me that there are a bunch more people out there who have an interest which could be very well served by this club. If you know of anyone who either could get alot from the club or could contribute alot to it, talk 'em into joining. I know how glad I am that someone did so for me.

MEMBER'S INPUT

Nate Ely has done quite abit of research on rotors of late as his was in the permanent broke mode. His conclusions were that a rotor bearing is probably the best investment a rotor owner could make (I agree), that local installers sometimes are less than knowledgeable (my opinions on this have graced these pages more than once before), and also that for his application the Alliance HD-73 was the best choice. The HD-73 is a very nice rotor (my opinion) having as Nate points out 2 speeds and accurate direction indication. The wind loading maximum is given as 10.5 sq. ft. Nate also makes worthy mention of the fact that in high winds it is best to park your antenna broadside to the wind and also to never park your antenna against the rotor stops as this puts undue strain on the whole affair. Thanks for the letter Nate. By the way, did you get any wind load data from Chan. Mast?

MAGAZINE ARTICLES*THE LAST HALF OF NIXON

| | | |
|--|---------------------|--------|
| Case of a Custom Job Too Well Done | Radio-Electronics | Nov 71 |
| Costly TV Antenna That Offers Little | Consumer Reports | " " |
| Helical VHF Aerial | Wireless World | " " |
| SWR-What Does It Mean? | QST | " " |
| Build A Mini-Pyramidal Uhf Antenna | Popular Electronics | Dec " |
| Vhf Frequency Converter | " " | " " |
| RFI-Causes & Cures | " " | Jan 72 |
| JFD All-Channel TV Antenna | " " | Feb " |
| TV roof Antennas | Consumer Reports | " " |
| Choosing A TV Antenna (with table) | Popular Electronics | Mar " |
| New TV Antenna Systems:Which for You? | Popular Science | " " |
| TVI From the Victims Viewpoint | Popular Electronics | " " |
| FM Antennas:Howto pick the One for You | High Fidelity | Apr " |
| Amplified Car Radio Antennas | Radio-Electronics | May " |

Magazine Articles Nov 71 - July 74 (cont)

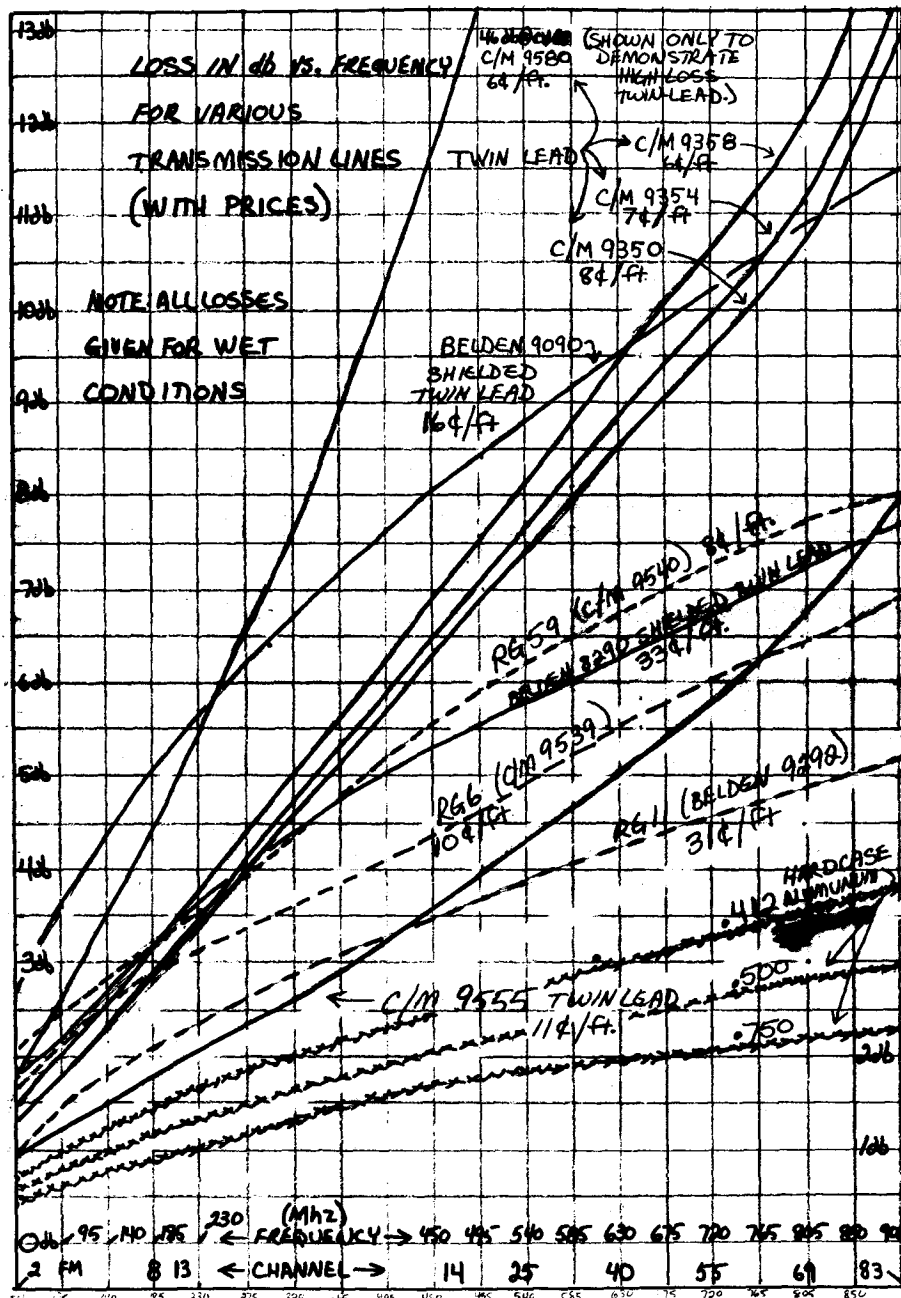
| | | |
|---|------------------------------|----------|
| MATV:How It Works | Radio-Electronics | May 72 |
| TVI From Home Appliances | " " | Jun " |
| TV Signal Splitter | Popular Electronics | " " |
| Transistor TVI | Radio-Electronics | Aug " |
| Ghosts Due To Mismatches | " " | Sep " |
| MATV Cookbook | " " | " " |
| Multiset Coupling Systems For Your TV Antenna | Pop. Electronics | Oct " |
| TV Booster Testing The Easy Way | Radio-Electronics | " " |
| Beta 3 Amplified Car Antenna | " " | Dec " |
| New TV Antennas | Popular Electronics | " " |
| Y Match | QST | Nov " |
| Evolution of the Radio Aerial | Electronics & Power | Apr 5 73 |
| Choosing a TV Antenna | Popular Electronics | Apr " |
| Eliminating the Power Line Reduces Amplifier Instability | Electronics Engineering | May " |
| Automating the TR44 Antenna Rotor | QST | Jun " |
| RCA SMS440 Mini-State TV Antenna | Radio Electronics | " " |
| Antenna Rotators | Consumer Reports | Jly " |
| FM Roof Antennas | " " | " " |
| Ho-Hum, Another Miracle TV Antenna | " " | " " |
| Hardware Noise:A Type of TVI | Radio Electronics | Sep " |
| How To Wire a House for MATV | " " | " " |
| Inside Story on Outdoor Antennas | " " | " " |
| For Sharper TV:RCA's Flying Saucer | Popular Science | Oct " |
| How to Put Up TV Antennas | Popular Mechanics | " " |
| Kay Townes ICA500 TV Antenna | Radio Electronics | " " |
| New Antenna for Fringe Area Reception | " " | " " |
| Active Beta 3 Auto Antenna | Popular Electronics | Nov " |
| Log Periodic Dipole Array | QST | " " |
| Reducing TVI on 6,10,& 11 Meter Bands:Tuned Bypass Filter | Popular Electronics | Feb 74 |
| Antennas and Towers | Popular Electronics | Mar " |
| Simple Method of Raising Large Antennas | QST | May " |
| The Nitty Gritty of Installing Antennas | Electronics Servicing | Jun " |
| Directional Indicator for the HyGain 400 Rotor | QST | Jly " |
| Antennas for Cars | Popular Electronics | Jun " |
| Spinning Saucer/Revolving Dipole Aid TV Reception | Pop. Mechanics | Jly " |
| Compact TV Ant You Can Mount Indoors | Consumer Reports | " " |
| MATV Taps-Selection & Use | Electronic Technician/Dealer | " " |
| Uhf Fringe Antennas | Consumer Reports | " " |

ADDENDUM TO LAST MONTH'S COLUMN

There were several points of confusion in last months section on transmission line tricks. I will try to clear them up here. First, in the first paragraph, line 7, I mention that the traps are shown being made out of coax. Such was not the case and was an error on my part. Secondly, in the section concerning the 1/2-wave balun, the added 1/2-wave conductor should be a braid or another shield of some kind. Also, the reason that crimpers are handy for attaching this shield, is that it can be attached using a ferrule for RG11. Lastly, the picture in the 4:1 section is correct although the text is somewhat confusing. The 1/2-wave section has each end connected to the terminals (one end to each terminal), the transmission line has its' center conductor attached to one terminal, and all the shields (from the t-line and from both ends of the 1/2-wave section) are tied together and are not attached to any terminal. Sorry for the confusion.

PRODUCT COMPARISON * TRANSMISSION LINES

On the following page is a graphic comparison of several transmission lines. The chart is given with all losses figured for wet conditions (rain). If you have seen charts like this before, this one may look a little strange but that is due to the fact that log graph paper wasn't used. It should also be noted that even the best twin-lead will have losses comparable to the worst twin-lead after several years of use due to deterioration of the insulation. Wire chosen for the chart represent my favorites per price.



BALUN TRANSFORMERS AND THE DX LABS P-922

After looking at baluns in several catalogs I have decided that to even attempt a comparison between them would be a foolhardy task. I have not found any manufacturer who gives enough data on their balun to make it possible to compare with another.

The one company that I will single out though as having particularly misleading data in their catalog is the DX Tele-Labs. Their P-922 might very well be a fine product but please consider this statement taken from their catalog, "a transformer action can occur resulting in an increase up to 700% signal to the (amplifier) input." Now my friends, if these people have invented a balun transformer that can, without external power, increase your signal by 700%, who the heck needs a preamp? This in my opinion is a bold-faced lie. If it were not, these people would already be filthy rich. As I said at the beginning of the paragraph, this may be a very fine product, but if it is, why do they have to fill their advertising with such nonsense? As we have discussed in this column, a balun does nothing more than change impedance and balanced to unbalanced conditions. Admitted, there are some that do a much better job than others but a 700% increase in signal? My gosh, that's 56 decibels! ...and the cow jumped over the moon, too. Right?

CURRENT NEWS

The Sonim Company (formerly Finco) seems to have moved to Florida. Their new phone number is 305-885-1507. I don't know their address. Rumors have been circulating concerning the future of that company but at the risk of becoming too much like the National Enquirer, I will not mention them here.

A few days ago I had the chance to talk to a Phillipino who has moved to the states. He mentioned to me that in the Phillipines people use burned out mercury lights for TV antennas. Although somewhat hard for me to understand (heavy accent), I did catch enough to know that they broke the glass off and also just hooked up the twin-lead to the socket connections. I asked if it mattered if the filament was open or not and he said no. If anybody tries this let me know how it works. Wierd.

This week I have accepted a new job with the electronic distributor with whom I worked 2 years ago. I will be in charge of their TVRO sales in about 3/4 of the state (outstate Detroit). The job is very appealing and also will keep me very busy. I will be moving in about 3 weeks to the Grand Rapids area. I hope that after working with antennas for 5 days a week that I will still find enjoyment out of writing this column. I should get 1 more column sent from this address. Thanks for reading. Bye.

TV STATISTICS

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

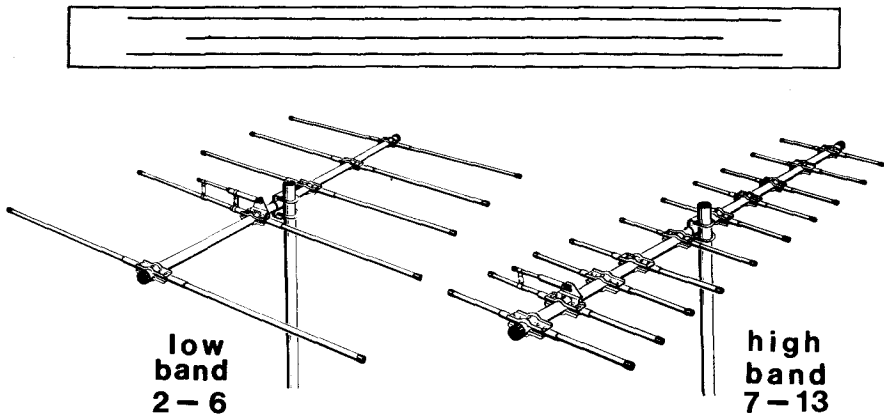
MARCH 1984

Not too many reports coming in--so will list some standings and some individual records and such. So let's have more reports---both updates and your own records.

| DXERS LOCATION | TOTAL | UHF | XLTR | ES | AU | YB | as of | MS |
|---|-------|-----|------|-----|-----|-----|-------|-----|
| Bob Seybold, Dunkirk, NY | 913 | 434 | 107 | 194 | 6 | 50 | 2/84 | 30 |
| Bill Draeb, Kewaunee, WI | 849 | 351 | 78 | 189 | 1 | 53 | 7/83 | 113 |
| George Rogers, Chickamauga, GA | 560 | --- | --- | --- | --- | --- | -/-- | --- |
| Marvin Shults, Toulon, IL | 492 | 203 | 27 | 123 | - | 65 | 1/80 | 26 |
| Don Ruland, Kenosha, WI | 472 | 222 | 29 | 87 | - | 71 | 7/79 | 31 |
| Tom Yingling, Baltimore, MD | 460 | 228 | 44 | 185 | - | 70 | -/-- | 12 |
| Jim Pizzi, Lovington, NM | 412 | 160 | 99 | 153 | - | 81 | 12/83 | 14 |
| Robert Kramer, Chicago, IL | 388 | 160 | 10 | 90 | - | - | 8/80 | 30 |
| Fred McCormick, Fargo, ND | 379 | 77 | 105 | 113 | 2 | 74 | -/-- | 1 |
| " " , Des Lacs, ND | 373 | 28 | 31 | 213 | - | 64 | -/-- | 45 |
| Paul Gaines, Detroit, MI | 515 | --- | --- | --- | - | --- | -/-- | --- |
| Mike Hollis, Enterprise, AL | 322 | 145 | --- | 58 | - | --- | 10/82 | 13 |
| Paul Petosky, Trout Lake, WI | 348 | 41 | 44 | 129 | 6 | 54 | 7/79 | 5 |
| Jim White, Waukasha, WI | 301 | 87 | 2 | 79 | 1 | 64 | 4/79 | 16 |
| Nate Ely, Madison, WI | 300 | 171 | 41 | 31 | - | 82 | 11/83 | 2 |
| Frank Wheeler, Erie, PA | 289 | 61 | 1 | 122 | 2 | 55 | -/-- | 5 |
| Mike Reid, Willowdale, ON | 288 | 93 | 12 | 80 | - | --- | 5/79 | 6 |
| Mike Lapinski, Jamestown, NY | 279 | 202 | 44 | 15 | 0 | --- | -/-- | 0 |
| Richard Reese, Jersey Shore, PA | 262 | 45 | 7 | 152 | 0 | 79 | 5/83 | 28 |
| B. W. Battin, Duluth, MN | 251 | 109 | --- | 68 | - | 76 | 4/79 | 3 |
| Fred Norquist, Clay, NY | 239 | 102 | 11 | 70 | 0 | 69 | 7/83 | 3 |
| Bob Langridge, Durant, IA | 219 | 126 | 16 | 31 | - | 77 | 7/80 | 0 |
| Mike Scheel, Davenport, IA | 198 | 96 | 9 | 45 | - | 72 | 4/79 | 0 |
| Robert Ross, London, ON | 193 | --- | --- | --- | - | 77 | -/-- | --- |
| Ed Brindle, Latrobe, PA | 169 | 53 | --- | 53 | - | 75 | 5/79 | 1 |
| Saul Chernos, Toronto, ON | 161 | 6 | --- | 94 | - | 76 | 3/83 | 7 |
| " " , Brunt River, ON | 60 | 23 | --- | 12 | - | 79 | 3/83 | 0 |
| Steve Sprachman, Seaford, NY | 154 | 84 | --- | --- | - | --- | -/-- | --- |
| Mike Hogan, Burnham, IL | 153 | 84 | 1 | 32 | - | 73 | 8/80 | --- |
| Neil Kazaross, , RI | 150 | --- | --- | --- | - | --- | 7/80 | --- |
| Ron Purdue, Byron, MN | 130 | 58 | 22 | 26 | 0 | 81 | 5/83 | 0 |
| Steve Shaffer, Hammond, IN | 128 | 34 | --- | 66 | - | 77 | 8/80 | 0 |
| Bob Schweitzer, E. Brunswick, NJ | 156 | 103 | 14 | 4 | - | 76 | -/-- | - |
| Dave Hascall, Fortville, IN | 72 | 22 | --- | 33 | - | 74 | 7/79 | 0 |
| William Hepburn, Resolute Bay, N.W.T. 1 | --- | --- | --- | --- | - | --- | -/-- | - |

A few of Jim Pizzi--Lovington, NM new individual distant records::::::::::
 WPMI ch 15 at 936 miles....; WCOV ch 20 at 1004 miles....; KRWG ch 22 at 199 miles....; WHTV ch 24 at 855 miles....; KLPA ch 25 at 644 miles....; KSNT ch 27 at 585 miles....; and WLTZ ch 38 at 1067 miles.....!!!
 Yes Jim---you can send me a copy of your log with the distances for future printing.....Let's see MORE too.....

73's Bob



Springfield Television
 WKRF - DAYTON 22, 1731 SOLDIERS HOME ROAD
 DAYTON, OHIO 45418



TELEVISION NEWS

Bill Fabber, editor
336 Atlantic Street
Bridgeton, N.J. 08302

TELEVISION NEWS - page 2

MARCH, 1984

APPLICATIONS FOR NEW TELEVISION STATIONS

| CH | ERP | HAAT | STATE/CITY/APPLICANT |
|--|------|------|--|
| 33 | 5000 | 361 | CA San Luis Obispo; Morro Rock Resources, Inc. |
| 38 | 3544 | 990 | DE Seaford; L.E.O. Broadcasting (No foolin, Ron Purdual) |
| 38 | 593 | 525 | DE Seaford; Seaford Television Company |
| 63 | 5000 | 829 | FL Boca Raton; Acorn Television in Action for Communities |
| 67 | 2544 | 1500 | FL Lake Worth; Dan Mahoney |
| 33 | 5.6 | 240 | GA Valdosta; Coastal Plains Area Arts, Inc. |
| 18 | 1000 | 315 | MI Jackson; Minority Broadcast'g |
| 15 | 151 | 1870 | NV Las Vegas; Hispanic Women in Broadcasting |
| 15 | 4270 | 1280 | NV Las Vegas; El Monte Negro |
| 15 | 1826 | 1977 | NV Las Vegas; LV Pictures |
| 15 | 5000 | 2000 | NV Las Vegas; People of the Fire |
| 15 | 4985 | 2004 | NV Las Vegas; Rebel Broadcasting |
| 15 | 1600 | 1598 | NV Las Vegas; Freedom Development Company |
| 48 | 1000 | 673 | NJ Burlington; AGK Communicat'ns |
| 48 | 2340 | 1100 | NJ Burlington; BCT Communicat'ns |
| 48 | 2340 | 1100 | NJ Burlington; Brunson Commun'ns |
| 48 | 2340 | 1098 | NJ Burlington; Burlington TV Inc |
| 48 | 676 | 720 | NJBurlington; Spanish International Communications Corp. |
| 48 | 2340 | 1100 | NJ Burlington; Western Pennsylvania Christian Broadcasting |
| 48 | 2340 | 1112 | NJ Burlington; Angelo Roman |
| 52 | 42.6 | 1760 | PR Carolina; Good TV Broadcast'g |
| 26 | 385 | 907 | PR Ponce; Ana G. Mendez Educational Foundation |
| 2 | 65.4 | 763 | TX Amarillo; Amarillo Junior College District |
| 14 | 5000 | 1398 | TX Big Spring; Way of the Cross |
| 12 | 316 | 1995 | UT Logan; Logan Television Co. |
| 9 | 166 | 2920 | UT Ogden; Weber State College |
| 58 | 2114 | 925 | WI Milwaukee; Enhancement Services, Inc. |
| 58 | 5000 | 528 | WI Milwaukee; Zodiac Partnership |
| 58 | 5000 | 884 | WI Milwaukee; TV 58, Ltd. |
| 58 | 5000 | 838 | WI Milwaukee; Milwaukee Broadc'g |
| 58 | 5000 | 806 | WI Milwaukee; George R. Fritzingger |
| 58 | 5000 | 908 | WI Milwaukee; Glory Ministries |
| 58 | 80.8 | 930 | WI Milwaukee; Heriberto B. Colon |
| CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS (Some reference material was missing from the library last month and this month. Evidently among that material were two construction permits for which call letters have been requested. They are: Public Interest Telecasters, for channel 32 in Lakeland, FL, and Arapahoe Silent Majority for ch. 26 in Pueblo, Colorado.) | | | |
| 18 | 1352 | 592 | KS Salina; Salina Television Inc |
| 69 | 52.2 | 646 | KY Paintsville; Hometown Telev'n |
| 23 | 1009 | 913 | NY Buffalo; Western New York Public Broadcasting Ass'n |
| 40 | 5000 | 1780 | OR Portland; Cascade Video of Oregon (summary decision) |

| | | | |
|----|------|------|--|
| 34 | 91.4 | 2807 | PR Fajardo; Trilateral Communications, Inc. |
| 9 | 0.31 | 340 | MT Bozeman; Montana State Univ. |
| 15 | 1766 | 218 | TX Abilene; Helen Oman |
| 22 | 4000 | 301 | WI Oshkosh; Eternal World Telecommunications |
| 29 | 5000 | 1296 | CA Sacramento; Ponce-Nicasio Broadcasting (initial decisn) |

APPLICATIONS DISMISSED

| | |
|----|---|
| AL | Selma; ch. 8; James L. Oyster. |
| CA | Sacramento; ch. 23; Alden Communications Corp.; Capital Hispanic Broadcasters, Inc.; Channel 29 Investors Limited Partnership; Delta Broadcasting Co.; Do Decca Ektron Corporation. |
| CA | San Bernardino; ch. 30; various applications for interim operation until a construction permit is issued. |
| HI | Honolulu; ch. 5; Abell Communications Corp |
| KS | Salina; ch. 34; Underwood Enterprises, Inc. (returned by the FCC) |
| MI | Flint; ch. 66; P&S Comm/News, Inc. |
| NY | Buffalo; ch. 23; Commonwealth Foundation for Public Broadcasting. |
| OR | Portland; ch. 40; Vinco Communications, Inc.; Portland Television Associates, Ltd. |
| PR | Fajardo; ch. 34; Eastern Broadcasters |
| SD | Sioux Falls; ch. 36; Force Majeur Broadc'g. |
| TX | Abilene; ch. 15; Lea County TV, Inc.; TV Tech Systems, Inc. |
| TX | San Antonio; ch. 23; Commonwealth Foundation for Public Broadcasting, Inc. |

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

| | | | |
|----|------|------|------------------------|
| 58 | n.c. | 1000 | CA Stockton; KSCH-TV |
| 26 | 3623 | 638 | CT New London; WLCT |
| 66 | 3000 | 1163 | MA Marlborough; WGR-TV |
| 54 | 1210 | n.c. | MI Muskegon; WMKT |
| 21 | 400 | 1158 | NV Las Vegas; KRLL |
| 63 | 681 | 729 | VA Richmond; WTLN |

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

| | | | |
|----|------|------|------------------------------|
| 21 | 1054 | 2085 | CO Colorado Springs; KXRM-TV |
| 28 | 2754 | 808 | MA New Bedford; WFDG |
| 54 | 1200 | 966 | MI Muskegon; WMKT |
| 16 | 2525 | 837 | NC Burlington; WRDG |
| 30 | 5000 | 1415 | TN Nashville; WDAY-TV |
| 32 | 1070 | 1220 | WI Appleton; WBUO |

APPLICATIONS TO CHANGE EXISTING FACILITIES

| | | | |
|----|------|------|---|
| 13 | 225 | n.c. | KS Garden City; KUPK-TV (CPMOD) |
| 44 | 1243 | n.c. | OH Lima; WTLW(-TV?) (License modification, so expect power increase as soon as authorization is granted.) |
| 51 | 720 | 620 | OH Newark; WSFJ-TV |

CHANGES GRANTED IN EXISTING FACILITIES

| | |
|----|---|
| AZ | Phoenix; ch. 15; KNXV-TV; to increase power from 542 kw to 1084 kw max. (CP) |
| CA | Eureka; ch. 3; KIEW-TV; change from 100 kw to 100 kw max (directional). (CP) |
| CA | Los Angeles; ch. 7; KABC-TV; to reduce power from 158 kw to 141.25 kw max. 3213'AAT/470' AG/6176' ASL (233' higher than present transmitter); same TL. Don't expect any change in coverage area. (CP) |
| FL | Jacksonville; ch. 47; WNFT; to increase power from 1200 kw max/490 kw hor to 2286 |

| |
|---|
| kw max. 978' AAT/968' AG/998' ASL (22' lower); same TL (CP) |
| IN Indianapolis; ch. 13; WTHR; to increase power from 295 kw to 316 kw max? 970' AAT/968' AG/1792' ASL. This is listed as a construction permit modification, but I can't find any record of the original construction permit that this is supposed to modify. Apparently this is the same transmitter location, but 55' lower than present facilities. I'm assuming that the station is still operating at 295 kw. |
| MI Detroit; ch. 7; WXYZ-TV; power reduction from 316 kw to 53.7 kw. License modification, effective 11/30/83. 920' AAT/1073' AG/1737' ASL. Big change in AAT, but AG and ASL are the same. simple recalculating? Anyway, should have resulted in decreased coverage area. |
| WI Milwaukee; ch. 24; WGV-TV; to change from 5000 kw max/2000 kw hor to 3000 kw max. (CP MOD). |

CALL LETTERS APPLIED FOR: NEW STATIONS

| | | |
|----|---------|---|
| CH | C.L. | STATE/CITY/APPLICANT |
| 26 | KRZB-TV | AR Hot Springs; Razorback TV Bc'g |
| 18 | WRES | FL Cocoa; Glorious Church of God In Christ, Inc. |
| 44 | WJTC | FL Pensacola; Carnex TV, Inc. |
| 9 | KUSM | MT Bozeman; Montana State Univ. |
| 16 | KSEB | NE Scottsbluff; Dakota Broadcasting Company |
| 55 | WPSC-TV | OH Akron; Rhema Television Corp. |
| 68 | WVSN | PR Humacao; Bocanegra/Girald Broadcasting Group |
| 10 | KDRT | TX Del Rio; Del Rio Communicat'ns |
| 14 | KHBU-TV | TX Houston; Educational Television of Houston, Inc. |
| 16 | KONN-TV | WA Everett; Kong Television, Inc. |
| 55 | WKRW-TV | WI Kenosha; Midwest Broadcast Associates, Ltd. |

CALL LETTERS APPLIED FOR: STATIONS ON THE AIR

| | | |
|----|---------|-------------------|
| 32 | WXGZ-TV | WI Appleton; WBUO |
|----|---------|-------------------|

CALL LETTERS ASSIGNED: NEW STATIONS

| | | |
|----|---------|---|
| 26 | KEAE | CO Pueblo; Arapahoe Silent Majority |
| 32 | WIUD | FL Lakeland; Public Interest Telecasters |
| 35 | WQAC | FL Fort Walton Beach; Beacon Broadcasting, Inc. |
| 23 | WPHL | IL Decatur; Decatur Foursquare Broadcasting, Inc. |
| 16 | KEII | IA Dubuque; Powell Broadcasting |
| 52 | WGVK | MI Kalamazoo; Grand Valley State Colleges |
| 14 | WXIV-TV | NC Greenville; ACTS of Eastern North Carolina. |
| 15 | KSUZ-TV | TX Abilene; Helen Oman |
| 24 | KMTB | WA Anacortes; Mt. Baker Bc'g Co. |
| 32 | WKKU | PR Aguadilla; Consumer Educational Research & Development Television Center |
| 15 | WWCW | VI Christiansted-St. Croix; W. C. White |

CALL LETTER CHANGES

| | | |
|----|---------|----------------------|
| 6 | WCIX | FL Miami; WCIX-TV |
| 13 | WGME-TV | ME Portland; WGAN-TV |

| | |
|---|---|
| CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS | |
| AL | Mobile; add 61z |
| CA | Novato; add 68z (site restriction 2.4 miles NW of Novato to avoid short-spacing to KTEH, ch. 54, San Jose and applications for ch. 66 in Vallejo, California.) |
| KY | Bowling Green; add 59+ |
| KY | Madisonville; add 57+ |
| NE | McCook; add 16+ |
| NE | Omaha; add 54z |
| IL | Charleston; add *51+ |
| IN | Bloomington; add 42+ |
| KS | Fort Scott; add 26- |
| MO | Poplar Bluff; change *26- to *26+ (vacant channel; offset change to accommodate Poplar Bluff addition) |
| KY | Paducah; add 49z |
| OK | Tulsa; add 53z (Petitioned for by Harry C. Powell. But Tulsa Family Television, applicant for LPTV on ch. 53, objected, stating that another full service station is unnecessary because Tulsa has eight channels assigned already, and the new assignment could preclude the use of ch. 53 for LPTV. Funny how they think another full service station is unnecessary, but a low power station is needed. The FCC had already determined that LPTV is not a substitute for a full service station, and that the issue of economic impact on other Tulsa stations is an issue best determined at the application stage, and that Section 74.702 of the FCC rules allows the FCC to assign channels without consideration of LPTV stations.) |
| TN | Lebanon; add 66- (Site restriction 5.4 mi. south of Lebanon to protect proposed ch. 59 in Bowling Green, Kentucky.) |
| TX | El Paso; add 65z |
| TX | Lubbock; add 16+ |
| VA | Roanoke; add 60z (Site restriction 8.7 mi. north of Roanoke to protect WJTM-TV, ch. 45, Winston-Salem, North Carolina.) |
| WA | Seattle; add 45+ |
| STATIONS ON THE AIR | |
| AK | KTBV, ch. 4, Anchorage, went on the air on December 2, 1983; 4 kw max ERP; -147' AAT/300' AG/457' ASL; TL 2900 E. Dowling Road; coordinates 61°09'58"/149°49'34"; independent station. Current address not available. |
| HI | KHAI-TV, ch. 20, Honolulu, went on the air December 30, 1983; 1230 kw max/490 kw hor; -70' AAT/427' AG/434' ASL; TL 733 Bishop Street, Honolulu; Coordinates 21°18'39"/157°51'49"; address: Media Central, Inc., 735 Sheridan St., Honolulu, HI, 97814; independent station with Japanese programming only. |
| TN | WKCH-TV, ch. 43, Knoxville, went on the air December 31, 1983; 2210 kw max; 1150' AAT/1079' AG/2179' ASL; TL Sharp's Ridge, Knoxville; coordinates 35°59'20"/83°57'45"; address: Knoxville Family Television, 7401 Kingston Pike, Knoxville, TN, 37919. |
| WI | Appleton, WBUO (note request to change call letters to WXGZ-TV), ch. 32, went on the air January 15, 1984; 1070 kw max ERP; 1220 AAT/1055' AG/2030' ASL; TL on north |

side of Shirley Road between Ridgeview and Morrison Road; coordinates 44°21'32"/87°59'00"; address: Appleton Midwestern Television, 3025 N. Marshall Road, Appleton, WI, 45915.

CONSOLIDATED HEARINGS

AL Gadsden; ch. 44; Sterling Associates (application to modify construction permit to move from ch. 60 to ch. 44); Anthony Jay Fant and Kyla Beth Fant (for new station).

AZ Phoenix; ch. 3; license renewal of KTVK; Jason Communications, Inc.

IL Pontiac; ch. 53; Retherford Publications; Woodrow D. Nelson.

IA Cedar Rapids; ch. 28; Stanley G. Emert, Jr.; Metro Program Network, Inc.

KS Salina; ch. 34; Haynes Communications Company; Central Plains Communications Company.

LA New Iberia; ch. 36; K-J Broadcasting, Inc.; Way of the Cross of Baton Rouge, Inc.; Blue Rose Television; Guadalupe Enterprises, Inc.; Tres Video, Inc.; Channel 36 Broadcasting.

MA Vineyard Haven; ch. 58; Katy Communications, Inc.; Cape Video Network, Inc.

MN Duluth; ch. 27; Haynes Communications Company; Duluth Media.

MO St. Joseph; ch. 22; Public Television 19, Inc. (proposes noncommercial station); Citizens Rights Telecommunications Company; Metro Program Network, Inc. (The need for noncommercial programming is an issue in the hearing.)

PA Erie; ch. 66; Henry M. McCall (formerly American Cellular System, Inc.); Seneca Broadcasting Corporation; Gannon University Broadcasting, Inc.

INTERIM AUTHORIZATION GRANTED:

CA San Bernardino, ch. 30. Angeles Broadcasting Network was given authorization to operate a television broadcast station until one of the applicants is granted a construction permit and goes on the air. Angeles Broadcasting Network is not one of the applicants for construction permit. 269 kw max ERP; 2340' AAT.

MISCELLANEOUS NOTE

CT Hartford; WHCT-TV is now owned by Interstate Media Corporation. I don't know what type of programming they plan to have, but you can expect changes.

FORUM

One of the areas where I indicated the need for membership participation last month was news on when a television station changes its existing facilities, whether it be power change, antenna height, location, or other technical data. Available references report when construction permits are issued to change facilities, but most of the time I will not know when the actual change has taken place. When I do find out, it's usually from membership reports.

Note the construction permit listed for KNXV-TV, ch. 15 in Phoenix, to raise its power. I had an old construction permit listing for that station to change to 542 kw, but no record of its having changed yet. The fact that the latest reference is

another construction permit instead of a construction permit modification indicates that the station had long since begun operating at 542 kw.

In response to my request for membership participation W.R. McIntosh contacted KVCR, channel 24 in San Bernardino-Riverside, CA. For one thing, there's a dual city identification I had no record of. W.R. noticed that the station increased their power recently, and contacted the chief engineer, C.T. Cacciola, who was very helpful. On digging back through old material, I found that KVCR-TV received a construction permit modification way back on October 14, 1982, and, according to W.R., didn't actually change until December 5, 1983. Other information on the station from W.R.: TL in Box Springs, CA, 8½ miles south of San Bernardino (not up in the mountains, which are north of San Bernardino). 60' slotted antenna at 1680' elevation.

(That was AAT, by the way. The CPMOD calls for 1673' AAT/215' AG/3166' ASL). The station first went on the air 9/11/62 with 5.7 kw ERP, and increased to 1318 kw ERP with a new RCA 55 kw transmitter (According to the CPMOD, 1318 kw max/991 kw hor). Affiliations are PBS and IPTV (a rather low budget operation, W.R. describes). I suspect that means classroom-type programming during the day in cooperation with public schools. Operates 9:30 a.m. to 12:30 a.m. with shorter hours on weekends and holidays. Address: 701 South Mt. Vernon Ave., San Bernardino, CA, 92410. This is on the San Bernardino Community College campus.

W.R. asks if I have some kind of form which tells exactly what I'm looking for in a station writeup. I never really worked it out in detail, but here's an idea of what would be useful. For CP's of CPMOD's of existing stations, I almost always have the data, but I need to know when a change takes place, and would like to have your observations on the change of signal strength. For new stations, again I usually have the data, but I would like to have news clippings or press releases on the stations. What kind of philosophy are they using to determine their programming? (for example, locally-oriented, heavy on movies, amount of emphasis on local and national news and sports, KXLI-type preferences, family-oriented, religious, counter-programming, minority-preference, appeal to certain age groups, and so on). As mentioned last month, actual program listings would be too extensive, not to mention quickly outdated. Try to get network affiliation or foreign language information. There are occasions where new ownership of a station will change a station's power, transmitter, programming, call letters, and everything else. Examples are WPMT (ex-W5BA) in York, Pennsylvania, and KNBN-TV in Dallas, which was mentioned last month. Again, I treated these stations as virtually new stations, and would appreciate the same material mentioned above for new stations. I rarely bother with station ownership, but on occasions they may be significant. Examples are WHCT-TV, as

mentioned this month, and WSTG-TV in Providence, as mentioned last month. These changes in ownership will probably mean two more "virtually new" television stations.

Now for the information many of you have been waiting to hear. Pete Taylor has the address for Paul Kagan Associates, publisher of the MDS Data Book. It's 26836 Carmel Rancho Lane, Carmel, CA, 93923. I just got this address a few days ago, so I didn't get a chance to write for information about the book. I hope to have that next month.

Pete also asked about a comment in last month's column, that ch. 54 in San Jose had to be protected from ch. 68 in Novato, California, when they are 14 channels apart. There is more to interference protection than co-channel and adjacent-channel protection. There are other forms of interference directly related to the design of the television set itself.

Here it is Monday afternoon and all good little children in San Jose are watching Sesame Street on KTEH, channel 54. Little do they realize that, while their television is receiving a visual carrier at 711.25 MHz and an aural carrier of 715.75 MHz, that seemingly harmless set is generating radiation at 757 MHz. Even if big sis were to come home and turn the channel to General Hospital, that set will still generate radiation at 45.75 MHz above the video.

When that generated frequency is mixed with channel 54's (or any channel's) frequency, it will produce a third frequency equal to the difference of the two. So the video will create a signal at 45.75 MHz, and the audio will create a frequency at 41.25 MHz. These are the intermediate frequencies (IFs) which are actually amplified in the television, no matter what channel the set is turned to.

But since the set is radiating 757 MHz, any other set nearby will have trouble receiving channel 61, which is 752-758 MHz. It could also cause some trouble to channel 62, whose lower sideband is only 1 MHz away. For this reason the FCC keeps a minimum of 60 miles between stations seven channels apart, and 20 miles from stations eight channels apart. This relates only to UHF, since not all VHF channels are vacant, and this situation doesn't exist. Low Power and translator stations, however, are permitted to operate seven or eight channels above an existing station in the same city, but they have to realize that the local broadcast station may cause oscillator interference to their signal.

But now another problem channel arises. Let's suppose that somebody came along and set up a television station on channel 68 in San Jose. Its visual carrier would be 795.25 MHz and its aural would be 799.75 MHz. If the signal is strong enough, it will be picked up by the wiring inside your television set, where it will mix with that 757 MHz oscillator radiation mentioned earlier. The audio's 799.75 MHz and the 757 MHz oscillator will produce another frequency equal to the difference, 42.75 MHz, which is

well within the range of frequencies amplified by the IF amplifier. The result: it will ruin your picture on channel 54.

Now let's suppose somebody started up channel 69. Its visual carrier is 801.25 MHz. Mix that with the 757 MHz oscillator, and you have a resulting frequency of 44.25 MHz, another cause of interference to channel 54, since this will also be picked up by the IF. While newer television sets have better shielding from signals not wanted, the older sets often don't. So the FCC set mileage separations for assignments 14 and 15 channels apart. The "picture image" interference results from the 14-channel spacing, and the FCC requires a 75 mile separation. A channel 68 in Novato has to be at least 75 miles away from San Jose. The "sound image" interference comes from 15-channel spacings, and the FCC requires such assignments to be 60 miles apart.

Here's a good experiment with an old television set. Whatever channel you are turned to, your set will oscillate a frequency at 45.75 MHz above that carrier frequency. If that oscillator frequency is 45.75 MHz below the visual carrier of a nearby television station, you will pick it up in the IF. That means you can pick up a strong television signal's video at 91.5 MHz below its assigned frequency, or about 15 channels lower in the UHF. The audio, likewise, can be picked up 82.5 MHz below its assigned frequency, or about 14 channels lower.

Another experiment can be illustrated at the office where I work. Different employees have different tastes, therefore different radios. One guy likes the rock station, WMMR on 93.3. Since the FM's IF frequency is 10.7 MHz, his radio oscillates at 104.0 MHz. I like to listen to WSNI at 104.5 MHz, but the 104 MHz oscillations interfere with my radio and wipe out my station. Fortunately authority has its privileges, so his station has to go.

Ronald Purdue wonders why nobody has applied yet for the new assigned channels in Minnesota, ch. 45 in the Twin Cities and 43 in Redwood Falls. Probably because it takes time to get commitments from banks to finance the station, obtain a studio and transmitter site, get Federal Aviation Agency approval for the tower, obtain an environmental impact statement for the DEP, get an engineering firm to design the transmitter standards, interview public officials and citizens to ascertain public interests, desires, and needs, show an attempt to hire minorities, and so on. There may be several persons preparing applications, but once the first one is filed, the others have about two months deadline to get theirs in if they are to compete for the channel. Ronald also wonders why L.E.O. hasn't yet gotten KXLT, ch. 47 in Rochester, MN, on the air yet. Maybe because they were too busy trying to get a construction permit for a station in Delaware that might never go on the air. Just pure speculation on my part, but maybe he's trying to pool his financial resources for a more profitable market.

He might be able to get NBC affiliation if he gets ch. 38 in Seaford, Delaware, since that peninsula has no NBC station. They have to depend on the distant signals of Washington, Baltimore, Norfolk, and Wildwood, New Jersey for NBC programming which isn't shown on WBOC-TV, which is primarily CBS. Also, assuming channel 61 in Wilmington goes on the air first, ch. 38 in Seaford will be that state's second commercial television station. Southern Delaware might be ripe for such a station. Of the three applicants for ch. 38, L.E.O. is the only one I would be able to receive with a decent signal, so I'm hoping they will get it.

Jeff Kadet has been dealing in old TV Guides. In fact, I saw an ad in the Twilight Zone magazine, where he mentions having every issue of TV Guide for the last 30 years. (Have you tried advertising in some of those collectibles magazines? There might be an interest there also, especially the old ones.) I have several TV Guides from back in the early Sixties. Way back then people were beginning to complain about how bad television was, what with all that sex and violence. So I thought, you think it's bad now, just wait! That was back when Barbara Eden wasn't allowed to show her navel.

USA Today on 1/17/83 mentioned that Cape Cod's first television station went on the air. It also described the station as New England's first low-powered station. I guess they haven't heard of WNDS, channel 50 in Derry, New Hampshire. I'm still getting in reports of poor signals from WNDS, so I thought I'd look it up in the SRDS Spot Data books. That's where they tell potential advertisers how good a coverage they have. The station had itself listed as 5000 kw! They're only authorized for 1430 kw max/914 kw hor, and apparently they aren't even using that.

George Mileon sent in an article about the channel 58 low power station in Cape Cod. Neither this nor the other article mention the call letters, but mention that the station is based in Hyannis, Massachusetts. I looked in my LPTV records, outdated as they are, and found a construction permit for W58A0 in Dennis, which is a few miles away. So I wonder if this is the same station. W58A0 was originally intended to rebroadcast subscription station WSMW-TV, ch. 27, but with STV suffering the way it is, I can see why they would change. W58A0 was authorized to operate with 1.44 kw ERP. Going back to George's article from the 1/16/84 Boston Globe, "Relying heavily on a mix of local news and programs, satellite services and syndicated reruns, Hyannis-based Channel 58 will reach viewers on Cape Cod, Martha's Vineyard, and Nantucket."

"Channel 58 broadcasts 18 hours a day featuring large doses of local-origination programming. Station executives are gambling that Ch. 58's Cape Cod news and public affairs programs, a cooking show and a senior citizen-oriented talk show will spark dedicated audiences and lure needed advertisers." "We will produce local news,

sports and events. No Boston station or network is doing that." The station also shows satellite-originated syndicated programs. Another Cape Cod LPTV station is expected to go on the air later this year. I suspect they're referring to W67BA. There was another article in the 1/16/84 USA Today. It mentioned a fire that destroyed a TV transmitter in Milton, West Virginia, but didn't give any identification. I suspect that it might be a translator owned by the Cabell County.

Mike Dorner sent me some information just as I was finishing last month's column, and I managed to mention part of it on the last page of the column. He says, "I recently rejoined the club after a lapse of several years. My interest for the past 11 years has been frequency utilization. Up until now I have confined myself for the most part with FM channels available, but recently I have been working on TV channel assignments." The list of VHF vacant channel assignments shows that, 31 years after the freeze on television applications, there are still about 70 vacant VHF assignments. The largest city with a vacant VHF channel is Honolulu, with ch. 5. The largest city in the continental United States with a vacant VHF channel used to be Amarillo, Texas, until short-spaced VHF drop-ins were added in Charleston, West Virginia, and Knoxville, Tennessee.

Bill Draeb says that WIRE, ch. 26, is now using multiple city identification, but not always the same. Sometimes "Green Bay," sometimes "Green Bay-Appleton," or "Green Bay-Appleton-Pond du Lac." On audio, only the first two identifications are used. I have also noticed a tendency lately for some stations to be inconsistent with their multiple city identifications. I noticed one station identifying by its city of license, then add, "serving such-and-such cities," while the video identification included those other cities.

One more note I would like to make: If anybody has access to current issues of Television Digest, please let me know.

MULTIPOINT DISTRIBUTION STATIONS

| | |
|-----------|----------------------|
| AL WFY845 | 10w Asheville |
| AL KNB56 | 10w Birmingham |
| AL WGW472 | 10w Dothan |
| AL WDU266 | 10w Huntsville |
| AL WFX26 | 10w Mobile |
| AL KOA85 | 10w Montgomery |
| AK KFC63 | 100w Anchorage |
| AK WGW530 | 10w Delta Junction |
| AK WFY574 | 10w Eagle River |
| AK WFY44 | 100w Fairbanks |
| AK WGN424 | 10w Soldotna |
| AZ WFY690 | ? w Kingman |
| AZ WFY689 | ? w Lake Havasu City |
| AZ WPF47 | 100w Phoenix (ch. 1) |
| AZ WHB522 | 10w Phoenix (ch. 2) |
| AZ WLJ78 | 10w Tucson |
| AR WFY641 | 10w Helena |
| AR WGW547 | 10w Jonesboro |
| AR WGW347 | 10w Pine Bluff |
| AR WPG52 | ? w Texarkana |
| CA KF179 | 100w Anaheim |

| | |
|-----------|---------------------|
| CA WFW85 | 10w Bakersfield |
| CA WFY962 | 10w Chico |
| CA KFF68 | 10w Clayton |
| CA WFY796 | ? w Eureka |
| CA KJN321 | 10w Fresno |
| CA WDU424 | 10w Gilroy |
| CA WGW239 | ? w Lancaster |
| CA WFY836 | 10w Lake Tahoe |
| CA WFY40 | 100w Long Beach |
| CA KFF79 | 100w Los Angeles |
| CA WFX66 | 10w Monterey |
| CA WFY691 | 10w Needles |
| CA WDU486 | 10w Oro Grande |
| CA WQQ75 | 10w Oxnard |
| CA WJL36 | 10w Palo Alto |
| CA WSL88 | 100w Sacramento |
| CA WPN94 | 10w San Bernardino |
| CA WFY655 | ? w San Clemente |
| CA WFY435 | 100w San Diego |
| CA KFF81 | 100w San Francisco |
| CA WFX85 | 100w San Marcos |
| CA KNR25 | 10w Santa Barbara |
| CA WFY798 | ? w Santa Maria |
| CA WPN84 | 10w Stockton |
| CO WFY951 | 100w Buckhorn Lakes |
| CO WPN97 | 100w Colo. Springs |
| CO WFY32 | 100w Denver |
| CO WFY716 | 10w Grand Junction |
| CO WDU267 | 10w Pueblo |
| CT WPN88 | 10w Bridgeport |
| CT WPF45 | 10w Hartford (ch.1) |
| CT WFY778 | ? w Hartford (ch.2) |
| CT KFN43 | 10w New Haven |
| DE KNH74 | ? w Wilmington |
| DC WOI93 | 100w Washington |
| FL WQQ76 | 100w Bonita Springs |
| FL WGX311 | 10w Destin |
| FL WFY701 | 10w Frostproof |
| FL WGH86 | 10w Gainesville |
| FL WDU633 | 100w Jacksonville |
| FL WFY700 | 10w Live Oak |
| FL WLJ79 | 100w Miami |
| FL WGN340 | ? w Ocala |
| FL WFY742 | 10w Orlando |
| FL KNU36 | 10w Panama City |
| FL WDU502 | 100w Pensacola |
| FL KJF28 | 10w Pompano Beach |
| FL WGX388 | ? w St. Augustine |
| FL WDU228 | 10w Sarasota |
| FL WFY650 | 10w Stuart |
| FL WKR71 | 10w Talahassee |
| FL WOF43 | 100w Tampa |
| FL WYP38 | 10w West Palm Bea. |
| GA WDU272 | 10w Albany |
| GA WGW301 | ? w Athens |
| GA WQR43 | 100w Atlanta |
| GA KEW93 | 10w Augusta |
| GA WDU228 | 10w Columbus |
| GA KXR75 | 10w Macon |
| GA WUZ43 | 10w Savannah |
| GA WGW315 | ? w Valdosta |
| GA WHC968 | 10w Waycross |
| HI KFA43 | 100w Honolulu |
| HI WDU692 | 10w Maui |
| ID WJL97 | 10w Boise |
| ID WGX434 | 10w Coeur D'Alene |
| ID WGW349 | 100w Payette |
| ID WFY752 | 10w Pocatello |
| ID WKR64 | 10w Twin Falls |
| IL WOF49 | 100w Chicago |
| IL WNZ44 | 10w Elburn |

| | |
|-----------|------------------------|
| IL WHP416 | 10w Oakland |
| IL WFY537 | 10w Olney |
| IL WFX72 | 100w Peoria |
| IL WFY533 | ? w Quincy |
| IL WJL98 | 10w Rockford |
| IL WFX70 | 10w Springfield |
| IL WFW344 | ? w Waukegan |
| IN KF185 | 10w Evansville |
| IN WDU402 | 10w Fort Wayne |
| IN WFX67 | 10w Gary |
| IN WFX33 | 10w Indianapolis |
| IN WHD491 | 10w Jasper |
| IN WFY432 | 10w Muncie |
| IN WGX476 | 10w Rushville |
| IN KNA75 | 10w South Bend |
| IN WQR23 | 10w Terre Haute |
| IN WDU512 | 10w W. Lafayette |
| IA WKR62 | 100w Burlington |
| IA WDU287 | 10w Cedar Rapids |
| IA WFY595 | 10w Davenport |
| IA WFX71 | 10w Des Moines |
| IA WHD392 | 10w DuBuque (E) |
| IA WIV78 | 10w DuBuque (S) |
| IA WGW334 | ? w Mason City |
| IA WDU283 | 10w Sioux City |
| IA WDU277 | 10w Waterloo |
| KS WHD386 | 10w Iola |
| KS WHD365 | 10w Coffeyville |
| KS WCU585 | 10w Topeka |
| KS WJM20 | 10w Wichita |
| KY WHD497 | 10w Campbellsv1 |
| KY WDU229 | 10w Lexington |
| KY KOA86 | 100w Louisville |
| LA WFY645 | ? w Alexandria |
| LA WPN96 | 10w Baton Rouge |
| LA WHD495 | 10w De Ridder |
| LA WGW393 | 10w Dunbarton |
| LA WGW576 | 10w Hammond |
| LA WDU204 | 100w Lafayette |
| LA WQQ69 | 10w Lake Charles |
| LA WHD493 | 10w Many |
| LA WDU292 | 10w Monroe |
| LA WKR26 | 100w New Orleans |
| LA WGX579 | 10w Picayune |
| LA WFY896 | 10w Rayville |
| LA KNB94 | 10w Shreveport |
| ME KJN27 | 10w Augusta |
| ME KNB58 | 10w Portland |
| MD WFP46 | 100w Baltimore |
| MD WFY797 | 10w Hagerstown |
| MA WLS33 | 100w Boston |
| MA WFY797 | 10w Hyannis |
| MA WFY635 | 10w Nantucket |
| MA KEW79 | 10w Springfield |
| MA WJM62 | 100w Worcester |
| MI WKS30 | 10w Ann Arbor |
| MI WDD91 | 10w Bay City |
| MI WJM22 | 100w Detroit |
| MI WFP81 | 10w Flint |
| MI WPE67 | 10w Grand Rapids |
| MI WKR56 | 10w Jackson |
| MI WKS29 | 100w Kalamazoo |
| MI WJL90 | ? w Utica (ch.2) |
| MI WDU550 | 10w Lansing |
| MI WJM21 | 10w Pontiac |
| MN WFY519 | 10w Clara City |
| MN KXR76 | 10w Duluth |
| MN WGW307 | ? w Mankato |
| MN WPE99 | 10w Minneapolis |
| MN WCU552 | 10w Minneapolis (ch.2) |

| | |
|-----------|---------------------|
| MN WDU344 | 10w Rochester |
| MN WGW331 | ? w St. Cloud |
| MS WFY827 | 10w Centerville |
| MS KNT65 | 10w Forest |
| MS WDU579 | 10w Greenville |
| MS WFY459 | 10w Greenwood |
| MS WGW386 | 10w Jackson |
| MS WKR67 | 10w Meridian |
| MS WHC992 | 10w Sardis |
| MS WGW671 | 10w Tupelo |
| MO WGW338 | 10w Cape Girardeau |
| MO WDU446 | 100w Carthage |
| MO WDU697 | 10w Jefferson City |
| MO KOB43 | 10w Kansas City |
| MO WOG68 | 100w Osage Beach |
| MO WDU207 | 10w St. Joseph |
| MO WQQ64 | 100w St. Louis |
| MO WJM89 | 10w Springfield |
| MO WFY623 | 10w Union |
| MT WGX467 | 10w Belgrade |
| MT WHC975 | 10w Big Sandy |
| MT WFY748 | ? w Butte |
| MT WHC973 | 10w Glasgow |
| MT WFY480 | 10w Great Falls |
| MT WGX575 | 10w Hamilton |
| MT WFY433 | 10w Helena |
| MT WGX577 | 10w Kalispell |
| MT WHC974 | 10w Lewiston |
| MT WGX578 | 10w Missoula |
| MT WGX576 | 10w Polson |
| MT WFY443 | 10w Red Lodge |
| NE WFY431 | ? w Kearney |
| NE WDU347 | 10w Lincoln |
| NE WFX24 | 100w Omaha |
| NE WHD385 | 10w Scottsbluff |
| NV WFY640 | 10w Battle Mountain |
| NV WJL89 | ? w Carson City |
| LA WGY643 | 10w Ely |
| NV WFY642 | 10w Hawthorne |
| NV WZ51 | 100w Las Vegas |
| NV WFY434 | 10w Reno |
| NV WFY639 | 10w Winnemucca |
| NH WDU379 | 10w Manchester |
| NJ WKR76 | 10w Atlantic City |
| NJ WCU573 | ? w New Brunswick |
| NJ KHH87 | 10w Trenton |
| NM WFY967 | 10w Alamogordo |
| NM KFK32 | 100w Albuquerque |
| NM WHD499 | 10w Deming |
| NM WGW313 | 10w Pinos Altos |
| NM WDU352 | 10w Roswell |
| NM WFY502 | 10w Ruidoso |
| NY KFK28 | 100w Albany |
| NY KFK37 | 100w Buffalo |
| NY WFY793 | 10w Cairo |
| NY WOE65 | 10w Jamestown |
| NY WGW391 | 10w Lake Seneca |
| NY WJM64 | 10w Long Island |
| NY WQQ79 | 100w New York |
| NY KFK38 | 10w Rochester |
| NY KJF31 | 10w Syracuse |
| NY WJL90 | ? w Utica (ch.2) |
| NY WDU436 | 10w Watertown |
| NC WDU339 | 10w Asheville |
| NC WGW715 | 10w Charlotte |
| NC WFY740 | 10w Durham |
| NC WFY738 | 10w Greensboro |
| NC WDU289 | 10w Greenville |
| NC WFY686 | 100w Nags Head |
| NC WFY741 | 10w Raleigh |
| NC WGW574 | 10w Wilmington |

| | | | | | |
|-----------|----------------------|-----------|---------------------|-----------|---------------------|
| NC WFY739 | 10w Winston-Salem | SC WDU269 | 10w Charleston | UT KEW74 | 100w Salt Lake City |
| ND WHD389 | 10w Amidon | SC WPX65 | 10w Columbia | VT WDU416 | 10w Burlington |
| ND WFY889 | ? w Bismarck | SD WFY794 | ? w Myrtle Beach | VT WFY943 | ? w Rutland |
| ND WDU440 | 10w Fargo | SD WGW411 | ? w Rapid City | VA WPX69 | 10w Charlottesville |
| ND WHD390 | 10w Grand Forks | SD WDU270 | 10w Sioux Falls | VA WFW83 | 10w Lynchburg |
| ND WDU435 | 10w Williston | TN WPE83 | 10w Chattanooga | VA WLS35 | 10w Norfolk (ch.1) |
| OH WPX87 | 10w Akron (ch.1) | TN WDU293 | 10w Johnson City | VA KFN83 | 100w Norfolk (ch.2) |
| OH WDU294 | 10w Akron (ch.2) | TN WJL77 | 10w Knoxville | VA WQQ39 | 100w Richmond |
| OH WSL34 | 10w Canton | TN WJM63 | 10w Memphis | VA WPX68 | 10w Roanoke |
| OH WOG60 | 10w Cincinnati(1) | TN WFY906 | 10w Nashville | WA WDU571 | 100w Bellingham |
| OH KOA71 | 10w Cincinnati(ch.2) | TX WPY36 | 10w Abilene | WA WHD360 | 10w Ephrata |
| OH WQQ66 | 10w Cleveland | TX WZ553 | 10w Amarillo | WA WHD384 | ? w Mount Vernon |
| OH WDU606 | 10w Columbus(ch.2) | TX WJM66 | 100w Austin | WA WPX23 | 10w Olympia |
| OH WFP50 | 10w Columbus(ch.1) | TX WJL88 | 10w Beaumont | WA WHC996 | 10w Pullman |
| OH WPE98 | 10w Dayton | TX WDU354 | 100w Brownsville | WA WGW232 | ? w Richland |
| OH WDU205 | 10w Lima | TX WGX339 | 10w Conroe | WA KF161 | 10w Seattle |
| OH WDU202 | 10w Mansfield | TX WDU282 | 100w Corpus Christi | WA WJL92 | 10w Spokane |
| OH WGX314 | 10w Newark | TX WQQ65 | 100w Dallas | WA WPX25 | 10w Tacoma |
| OH KFK31 | 10w Toledo | TX WSL59 | 100w El Paso | WA WHD361 | ? w Wenatchee |
| OH WDU693 | 10w Youngstown | TX WJM75 | 100w Fort Worth | WA WKR57 | 10w Yakima |
| OK WGW358 | ? w Comanche | TX WFY975 | ? w Freeport | WV WDU246 | 10w Charleston |
| OK WFY572 | 10w Fairview | TX WDU206 | 10w Galveston | WV WDU307 | 10w Huntington |
| OK WDU404 | 10w Lawton | TX WOF76 | 100w Houston | WV WDU369 | 10w Wheeling |
| OK WFY573 | 10w Sayre | TX WDU302 | 10w Killeen | WI WGW314 | ? w Eau Claire |
| OK WJL93 | 10w Tulsa | TX WFY980 | 10w Laredo | WI WQQ77 | 10w Green Bay |
| OR WGW672 | 10w Astoria | TX WGX338 | 10w Livingston | WI WFY430 | ? w Janesville |
| OR WHA674 | ? w Bend | TX WDU247 | 10w Lubbock | WI WOF68 | 10w La Crosse |
| OR WFX439 | ? w Coos Bay | TX WFY978 | 10w Marshall | WI WPY30 | 10w Madison |
| OR KNU61 | 10w Eugene | TX WDU443 | 10w McAllen | WI WGW335 | ? w Manitowoc |
| OR WPY39 | 10w Portland | TX WKS26 | 10w Midland | WI WKR27 | 100w Milwaukee |
| OR WFY791 | 10w Roseburg | TX WGW420 | ? w Odessa | WI WHA706 | ? w Sturgeon Bay |
| OR WDU403 | 10w Salem | TX WDU208 | 10w San Angelo | WY WFY604 | 10w Cheyenne |
| PA WPG69 | 100w Allentown | TX WJM80 | 100w San Antonio | WY WHD367 | 10w Cody |
| PA KFK36 | 10w Erie | TX WGW374 | 10w Victoria | WY WFY589 | 10w Laramie |
| PA WDU442 | 10w Lancaster | TX WKR69 | 10w Wichita Falls | WY WHC994 | 10w Sheridan |
| PA WPE97 | 100w Philadelphia | UT WGW356 | 10w Cedar City | PR WFY444 | ? w Mayaguez |
| PA WPF98 | 10w Pittsburgh | UT WGW399 | 10w Delta | PR WFY440 | ? w Ponce |
| PA WDU605 | 100w Reading | UT WGW290 | 10w Kaysville | PR WFW98 | 10w San Juan |
| RI KNV65 | 100w Providence | UT WFY786 | 10w Ogden | VI WSL58 | 10w St. Croix |
| RI KFF78 | 10w Westerly | UT WGW291 | 10w Park City | VI WPY45 | 10w St. Thomas |
| | | UT WFY865 | ? w Provo | | |

The above list came from the 1982-1983 Television Factbook, whenever it was published. It appeared at the library for the first time last month. Since the only interest in MDS evidenced in the club relates to pay-TV capacity, I included only channel one stations, all of which have the 6-MHz bandwidth necessary for television, and those few channel two stations which exist. I omitted channel 2A stations, which have only 4 MHz bandwidth. The above list includes licensees and permittees. Applicants were not included.

WARC-79 AND THE ALLOCATION OF LAND MOBILE RADIO TO BROADCAST TELEVISION FREQUENCIES
 Up to now, 470-512 MHz (channels 14-20) has been on a coequal primary basis with broadcast television and land mobile. There are some land mobile assignments, as well as certain television assignments which have been reserved for land mobile. 806-890 MHz, or channels 70-83, had long ago been deleted from television use, except for a few remaining translators, and assigned to land mobile. And then at WARC-79, the United States proposed that channels 21-36 and 38-69 be allocated to land mobile on a secondary basis to broadcast television. While this wouldn't have any effect on broadcast television (except to DX'ers), it would put land mobile on an equal basis with translators and low power stations. The USA proposal was adopted at WARC. But the treaty adopted by WARC means nothing unless the United States government adopts it and the FCC puts it into action. The treaty became effective

internationally on 1/1/1982, and was ratified by the United States on 9/6/1983. That makes the treaty in effect a law, which the FCC must now abide by. That does not mean, however, that the FCC must permit land mobile stations on channels 21-69, but it does give the FCC that authorization. Nor does it prohibit the FCC from using those frequencies for other types of service or transmissions. But it does mean that those nonconforming uses are not to interfere with services allocated to those frequencies.
 Why, exactly, did the United States take the initiative in giving land mobile radio this secondary status in the broadcast television band? It claims to have no intentions for the present of licensing any land mobile stations to those channels. But the United States often strove to promote a policy of flexibility at such conferences, as has been evidenced at RARC-83.

WARC-79 was a one-of-a-kind conference. Its purpose was to revamp the entire radio spectrum in the light of technical advances over the past several decades, and another meeting like this won't be held for perhaps several more decades. Whatever is decided on at WARC-79 will be binding until then. By persuading WARC-79 to grant land mobile a secondary allocation to UHF television frequencies, the FCC has gained the flexibility it needs to expand land mobile in some future date.

Now that the United States has ratified the treaty, the FCC is pursuing the matter further to amend its table of frequency allocations to conform to these international regulations. Out of the entire spectrum, this one area created nearly all of the controversy connected with the FCC's proposed revisions. Land mobile interests urged the FCC to allocate that band on a co-equal primary basis among television broadcasters, fixed services, and mobile services, stating that it was necessary for the FCC to preserve the flexibility it had attained at WARC-79. To do anything less would be a departure from the US position at the conference. These bands were needed to meet future land mobile spectrum requirements, and failure to do so would result in unrestrained broadcast growth, particularly by low power television, precluding the use of that band by land mobile, thus eclipsing the flexibility the FCC originally intended.

Broadcasting interests were also very outspoken about the proposal. They pointed out that domestic fixed and mobile allocations are not actually required by WARC-79, and are not necessary to maintain flexibility. A report by Dale N. Hatfield Associates, entitled, "The Role of New Technologies and Spectrum Management in Meeting the Demand for Private Land Mobile Radio Telecommunications Capacity," ruled out the necessity of more spectrum use of land mobile, since existing spectrum allocations can be more efficiently used if better technology, such as cellular radio and amplitude companded systems, are used. The land mobile advocates objected that the Hatfield report was unrealistic, and that some of its proposals were unfeasible.

Enough of a controversy was raised by both sides of the issue to persuade the FCC to set aside this issue from the rest of the task of revamping its table of allocations. The original proposal to add secondary status to land mobile in the UHF television spectrum on channels 21-69 was deleted, at least for the moment. The FCC warned that this was in no way to be taken as if the FCC dismissed the proposal. Instead, this matter will be more carefully studied at a later date before any action is taken.

The new allocations table as is being adopted by the FCC, will not appear in the 1983 Code of Federal Regulations, which should be published sometime in the next month. That publication will cover only those rules that existed up to October, 1982. But the complete table was published in the Federal

Register on January 19, 1984, along with an explanation of the changes made. on pages 2358-2446.

QUESTIONS

- In trying to Help Bill Draeb with some information for the TV Station Guide, came across a few uncertainties which perhaps some members could help.
- (1) KTBW-TV, channel 40, is supposed to change its city of license from Ponona, CA, to Santa Ana. Although it could include both in its identification, the city of license must always come first in a multiple-city identification. Did it make this change yet?
- (2) KOAV, Sherman, Texas, has a construction permit and is not yet on the air. Is it planning to go on channel 20 or 26?
- (3) Did WOPC in Altoona, PA, change from ch. 38 to 23 yet?
- (4) The channel assignment for Fayetteville, AR, was changed from 29 to 36. Did KTVP make any plans to change to 36, or are they going to stay on ch. 29?
- (5) Did WBGU-TV, Lima-Bowling Green, OH, change yet from ch. 57 to 27?
- (6) Did KPFS, Tacoma, WA, change from ch. 62 to ch. 28?
- (7) Did WSPF-TV, ch. 30 in Fort Myers, FL, go on the air? I have no record of this, but one reference made a note of a construction permit modification under a heading of changes in stations on the air.
- (8) WINT-TV, Crossville, TN, change from ch. 55 to ch. 20 yet? It is a commercial station, and the ch. 55 assignment is noncommercial.
- (9) Are the call letters for that station WINT-TV or WCPT-TV?
- (10) Channel 5 in Reno, Nevada. Is it KNEP of KNPB? Being an educational station, I would expect it to be KNPB, but I'm still getting references calling it KNEP.

RETROSPECT TO RETURN NEXT MONTH

This part of the column hadn't appeared for the past few months. One reason is that I have already been running into quite a few pages without it. But another reason is that I'm digging up research on the roots of television, dating back to about 1875. You say you didn't know television research went back that far? Stay tuned next month.

Some of the history is really quite interesting, and unlike previous months, it won't be skipping back and forth in time. Expect to see several different crude attempts to invent a primitive television set; learn how the struggle for a technical standard kept television from the public for several years; find out what the earliest television stations were like.

There has been an interest in early television. Not just the nostalgia of early programs and actors, but in the history of the development of television itself. I already have lists of early television stations supplied to me from Rich Turcsany, Alan Hyams, and Jeff Kadet.

ONE LAST NOTE: This new typewriter ribbon has a tendency to cut off the bottom of some letters and make commas (,) look like periods. (.) Sorry for the problem.

EASTERN TV-DX

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

March 1984

Deadline: 1st

Steve Sprachman; 39-16 48th st., 2nd floor, Sunnyside, NY 11104
There's not much to report here but the channel 59 mystery is definitely solved, an LPTV comes to Long Island. My channel 59 mystery turns out was W59AT Plainview, NY and about a month ago, in mid December, they started regular broadcasting. Since I can not get them here in Sunnyside, Alan Hayms tipped me off. He was getting them with a good signal on City Island. They were showing videos. I then went to a New Year's eve party and found out that a friend had discovered them and regularly watched them. So, on Jan. 1st, I got my chance to see W59AT, when I went to my parent's house and say myself in front of the TV set (under the guise of cleaning my room). And the programs on ch. 59 were rock videos from the Satellite Program Network (SPN). They called it the Music Channel and the station did occasionally I.D. with an I.D. slide that said "You're watching the Music Channel on channel 59. Under this was W59AT Plainview in small letters.

Well, the mystery was fun while it lasted. I hope everyone had a good New Year's and the DX season should start soon.

Harry Hayes; 9 Henry St., Wilkes-Barre, PA 18702 EST?

| | | |
|--|--|---|
| <u>December 1983</u> | <u>December 1983</u> | <u>December 1983</u> |
| 3 Es 1530 WFTB-2 FL WESH-2 FL 1600 WEDU-3 FL | 3 Es 1600 WTVJ-4 FL WPTV-5 FL 1645 WDEB-6 FL | 4 Es 1100 Unided ch. 2 January 1984 7 Es 1145 Unideds 2-6; Maritimes 1400 KXJB-4 "KX-4" |

Equipment: RCA 12" XL-100, RCA 18" Colortrack/ ch. 2-6 Winegard yagi in attic with VHF Channel Master amplifier. Six foot Finco UHF dish in attic with Winegard PA-4975 amplifier, hand rotated.

Not much happening in the winter here on UHF. I'm hardly waiting for warmer weather when I can test out my hot new amplifier that Glenn Jacobs and I installed on Nov. 3.

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

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|--|---|--|
| <u>December 1983</u> | <u>December 1983</u> | <u>December 1983</u> |
| 1 Es 1805 XHRIO-2 TA 1000 1915 XHRPM-2 CH 1100 | 5 Tr 0820 WGRB-34 KY 215 0832 WHIQ-25 AL 105 0835 WATL-36 GA 113 0840 WETV-30 GA " | 17 Tr 0837 WATL-36 GA 113 0839 WTTO-21 AL 145 0841 WBMG-42 AL " 0844 WETV-30 GA 113 |
| 2 Es 1845 XEPE-2 TA 975 1850 XHRIO-2 TA 1000 | 0918 WWSB-27 MS 265 0923 WCFT-33 AL 194 0940 WKAB-32 AL 215 1100 WLTZ-38 GA 224 1114 WDCO-15 GA 238 | 19 Es 2240 KWGN-2 CO 1050 2253 KOAA-5 CO 980 23 Tr 0830 WNGE-2 TN 129 (now WKRN) |
| 3 Es 0955 WGHH-2 MA 880 1002 WLEB-2 ME 1080 1004 WEZ-4 MA 880 1006 WCVB-5 MA " 1015 WFSB-3 CT 760 | 9 Tr 0820 WKSO-29 KY 160 0910 WTVK-26 TN 111 11 Tr 1100 WRBL-3 GA 224 17 Tr 0835 WANX-46 GA 113 | 0835 WSMV-4 TN " 0845 WTVF-5 TN " 1040 WTVK-26 TN 111 |
| 5 Tr 0802 WTTO-21 AL 145 0805 WBMG-42 AL " 0810 WHMA-40 AL 110 0813 WOWL-15 AL 177 0818 WJSP-28 GA 200 | | |

Top Es loggings for 1983: No. 1 KMID and KWGN both 37 times.

Equipment: Zenith 12" b&w Model BT 120 T.

Here is my report for this months' Eastern TV-DX column. (The above report was suppose to be in the VUD last month but was received late.-wd). The last two days of TV-DX down here had been great with some big tropo openings.

| | | |
|---|---|--|
| <u>December 1983</u> | <u>December 1983</u> | <u>January 1984</u> |
| 29 Es 1405 CKND-2-2 MB 1200 1410 KGFE-2 ND 1020 1415 CKYB-4 MB 1200 | 31 Tr 0910 WBMG-42 AL 145 | 7 Tr 0935 WTTO-21 AL 145 |
| Tr 1830 WOLO-25 SC 317 1930 WCTE-22 TN 105 | <u>January 1984</u> 2 Tr 1000 WHMA-40 AL 110 1003 WTVK-26 TN 111 1005 WHIQ-25 AL 105 | Es 1100 KSNC-2 KS 800 1120 KNOP-2 NE 1000 1130 KSNE-4 NE 950 1135 KDUH-4 NE 1120 1155 KLNE-3 NE 980 1220 CKPR-2 ON 1100 |
| 31 Tr 0840 WTTO-21 AL 145 0905 WANX-46 GA 113 | 7 Tr 0840 WBMG-42 AL 145 | |

Eastern TV-DX
January 1984

7 Es 1228 CKCY-2 ON 800
1300 CFCL-3-2 ON 1030
1305 WTOM-4 MI 775
1310 CJIC-5 ON 800
1355 CKGN-1-2 ON 975
1358 WLEB-2 ME 1080
1435 CFCL-2-2 ON 1050

17 Tr 1835 WKSO-29 KY 160
1838 WGRB-34 KY 215
2120 WKCH-43 TN 111
Knoxville

24 Tr 2125 WTVK-26 TN 111
1629 KATV-7 AR 459
1630 WKPD-29 KY 277
1720 WKRN-2 TN 129
1725 WTVF-5 TN "
1735 WDCN-8 TN "
1910 WOWL-15 AL 177
1915 WCET-48 OH 370
1917 WPTD-16 OH 426
1918 WKIX-19 OH 370
Cincinnati

1925 WKBF-22 OH 426
1944 WTJC-26 OH 443
Springfield

1948 WKOI-43 IN 435
Richmond

Rogers; continued---

January 1984

24 Tr 1950 WDRB-41 KY 303
1954 WLKY-32 KY "
1957 WKZT-23 KY 275
2000 WKPC-15 KY 303
Louisville

2010 WKON-52 KY 335
Owenton

2030 WKYT-27 KY 292
2034 WTVQ-36 KY "
2047 WTVW-7 IN 275
2050 WLEX-18 KY 292
2123 WPTY-24 TN 322
2147 KNOE-8 LA 467
2150 WBBJ-7 TN 260
2201 WWSB-27 MS 265
2211 WBBT-25 IN 275
Evansville

2220 WUSI-16 IL 310
Olney

2310 WABG-6 MS 373
Greenwood

25 Tr 0940 WDAM-7 MS 382
0950 WBIQ-10 AL 145
1000 WTTO-21 AL "
1005 WHMA-40 AL 110
1007 WVIM-13 AL 145
1010 WATL-36 GA 113

January 1984

25 Tr 1012 WBMG-42 AL
1059 WJSP-28 GA
1120 WHIQ-41 AL
1235 WLTZ-38 GA
1304 WGXA-24 GA
1410 WKYT-27 KY
1720 WLKY-32 KY
1820 WZTV-17 TN
1950 WTVW-7 IN
2005 WKZT-23 KY
2010 WFTZ-39 TN 100
Murfreesboro

2015 WETV-30 GA
2020 WVEU-69 GA
2103 WGRB-34 KY
2112 KBSI-23 MO
Cape Girardeau

2123 WMGT-41 GA
(ex-WCWB)

2125 WKMU-21 KY
2140 WKFE-22 OH
2145 WPTD-16 OH
2228 WOWL-15 AL
2255 WWSB-27 MS

From the way TV-DX has started this year, this could be a very big year for both tropo and Es. A warning to all TV-DXers, the last two years there was Es on TV in March so be on the lookout for some surprise Es in March.

I read in the Jan. VUD that there will be a new WTPDA Station Guide by the Spring so I am enclosing some station logos, mostly from Atlanta to put in the TV station guide and would like all other fellow WTPDA members to put their local TV station logos in the new guide. (The idea of putting logos in the station guide sounds good but, unfortunately, I don't have the last word as to what goes into the book and what stays out. If it's like the past one, economics will be the final determining point and it won't be as complete or neat as we would like to see it. If you have any ideas or logos, send them to headquarters. They have the last word.-wd)



I AM MAKING MY PLANS

FOR THIS YEARS

WTPDA CONVENTION

AT

JAMESTOWN, NEW YORK

hope to see you there.

C.C.I. [UNIDENTIFIED DX]

Robert Grant, KDBEN
5775 Bishop
Detroit, MI 48224.
March, 1984.

CC1- unidentified DX. March, 1984.

TV IDs:

Saul Chernos:
1983: Tue 19 Jul Es ch 4 1820 EDT-- "CBS News" & "Eyewitness News" mentioned.
(not WCCO. WCCO uses" (midday,5PM,6PM,10PM) Report".
KSTP-5 uses "Eyewitness News" -John Ebeling.)

FM IDs:

Saul Chernos:
1983: Wed 8 Jun Es 96.7-9 2050 EDT-- non-ID as "QIZ" (PTA:TX,LA,ME.) (Jim Pizzi says this is probably KQIF-96.9, Odessa, TX which non-IDs as "QIF".)
Greg Monti also wrote about WKGC which was given the "AM-1480" as a tax-deductible contribution. (If anyone has a radio station they don't want- I'll take it, hi. -RG)

TV CCI aids:

In preparation for the Es season, I'll be printing information about station non-IDs and "nxcast nicknames" for TV stations on chs. 2-6. Logos can also be helpful. This will only be run during the "no-DX season" from March-June when little is done in the VUD anyway. This first set should serve as an example.:

| CH. | CALL | CITY | ST. | OFF. | NET | NON-ID | NX NAME. |
|-----|---------|--------------|-----|------|-----|----------------|-----------------|
| 2 | WJBK-TV | Detroit,MI | | plus | CBS | "2 the people" | "Eyewitness Nx" |
| 3 | WKYC-TV | Cleveland,OH | | zero | NBC | -- | "Action 3 Nx" |
| 4 | WDIV | Detroit,MI | | zero | I,N | "Go 4 It" | "News 4" |
| 5 | WEWS | Cleveland,OH | | plus | ABC | -- | "Eyewitness Nx" |

So, send me any TV non-IDs and "NXcast names" you know of for chs. 2-6. and if you do not know the offset I can look it up myself. And when sending logos, small, high contrast ones are preferred. Thank you.

The winter Es season was good but with many weird openings. The 11 Dec. opening hit Channel 6 but good only for insomniacs who were up at 0400-0600 when it all happened.

Possible good dates for Es in '84 are 24,25 & 26 May and 20,21,22 & 23 June. 73 & gud DX in the dead season.

TV unIDs:

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.
1983: Sun 27 Nov Es ch 2 1059 MST-- CBS, mention "WWGB @ Brown County Arena" (PTA: TN,NC.)
Wed 30 Nov Es ch 2 1848 MST-- TRM Network (Mexico)
" " " " ch 3 1901 MST-- end "Disney", plus offset (PTA: Mexico.)
" " " " ch 6 1911 MST-- TRM Network, plus offset (PTA: Mexico.)
Thu 1 Dec Es ch 3 1545 MST-- Civil War Documentary (PBS?) (PTA: E)
" " " MS ch 2 1615 MST-- "Alice" (PTA: E or NEast)
" " " Es ch 2 1902 MST-- political pgm., mention Chiapas (an MX state) a lot (PTA same)
Sat 3 Dec Es ch 2 1631 MST-- old Bob Hope movie (1940's) (PTA: East)
Sun 4 Dec MS ch 2 2305 MST-- "Star Trek" (PTA: ENE)
Wed 7 Dec MS ch 2 1501 MST-- "Brady Bunch" (PTA: ENE)

Robert J. Williams, 312 Shoshone St. E., Apt. B-8, Twin Falls, ID 83301.
1983: Tue 16 Aug Es ch 3 2100 MDT-- begin "Guilty Witness" (PTA: NE,OK. KSNW in earlier on same opening, suspect KLINE or KOET.)

(Bob, in your letter you wrote about "unIDs you sent me a little while back"? They never got to me, could have been lost in the mail, sorry about that. -RG)

Robert Grant, KDBEN, 5775 Bishop, Detroit, MI 48224, editor.
1983: Sun 11 Dec Es ch 3 0412 EST-- Multiburst Resolution TP (PTA: AB,SK.)
" " " " ch 3 0545 EST-- station other than that above (which was still in) unintentionally xbing WEWS-5, Cleveland, OH. (PTA: SK. suspect CFSS, Warmley, SK or CJFB3-3, Aneroid, SK. both repeat ch 5's.)
1984: Sat 7 Jan Es ch 3 1430 EST-- CBS, Ø offset stn w/ PSA for "Project Crash" (anti-drunk driving) (PTA: East and short, suspect WCAIX but may have been KTVS or KBTX.)

" " " " ch 3 1513 EST-- FF drama or sitcom set in bar or restaurant, not // to CBFT-54 nor // to an Es on ch 2, Ø offset that was // to CBFT and could be CBFT. Does this rule out SRC for this unID? TVA? (PTA: PQ)
" " " " ch 5 1513 EST-- FF drama or sitcom // to ch 3 above.
" " " " ch 6 1513 EST-- " " " " " " " " " " " "
" " " " ch 5 1530 EST-- same stn as ch 5 above, start "Planet Of The Apes" in French, promos for "ChiPs" and "Trapper John, M.D." in French. (PTA: PQ.)

FM unIDs:

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.
1983: Fri 2 Dec Es 101.3 1428 MST-- \$, SS, rock. (PTA: YUC.) (does anyone know the format of XHPR in Veracruz? -RG)
" " " " 94.5 1605 MST-- rock, "T-94", "Electric FM" (PTA: FL,AL,MS,GA.)
" " " " 97.7 1609 MST-- rock, "The mx place- FM 97-7" (PTA: " " ")
" " " " 100.1 1619 MST-- rock, "Easy-100" "Shelton on the radio" promo for "Ken Carlile to be on location at Bill Hurd (?) Chevrolet" (PTA: FL,AL,MS,GA.)
" " " " 88.7 1711 MST-- rock, "88-FM", EST time (PTA: GA,FL.)
" " " " 89.3 1726 MST-- \$, SS (PTA: YUC)
" " " " 89.3 1802 MST-- ???B-FM, jazz. (PTA: IL,IN,WI,IA,MO.) (Write WCSB.-RG)
Mon 5 Dec MS 98.1 1350 MST-- "...across the street from the Coreville(?) Post Office" (PTA: E or NEast)
" " " " 98.1 1355 MST-- "...moving west from LaGrange, GA..." (PTA:GA,AL.)
" " " " 98.1 1432 MST-- "...winning FM..."", rock. (PTA: E or NEast)
Tue 6 Dec MS 98.1 1009 MST-- "...KGD..." (PTA: " " ")
" " " " 98.5 1047 MST-- "...In the 40's in the blue hill..." (PTA: " " ")
Wed 7 Dec MS 98.5 1103 MST-- "...From the Illinois Farm Bureau, I'm..." (PTA: IL)
Tue 13 Dec MS 92.9 0100 MST-- "...Z-93..." (PTA: E or NEast) (too many Z-93's -RG)

SPECIAL: ANARC BROADCAST COMING IN APRIL

THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS (ANARC) IS CELEBRATING TWENTY YEARS OF SERVICE TO THE RADIO LISTENING HOBBY. AND TO CELEBRATE, ANARC IS GIVING AWAY THE PRESENTS! TWO SPECIAL BROADCASTS OVER RADIO CANADA'S SWL DIGEST PROGRAM ON THE 2nd AND 3rd WEEKENDS IN APRIL WILL TAKE A LOOK BACK AT WHAT ANARC HAS DONE SINCE 1964. AND WHAT THE FUTURE HOLDS, TOO.

TO MAKE IT EVEN BETTER, ANARC HAS PRODUCED A SPECIAL QSL CARD FOR THOSE SENDING IN CORRECT RECEPTION REPORTS OF THE TWO BROADCASTS. IT'S ANARC'S WAY OF SAYING THANKS FOR HELPING CELEBRATE THIS MILESTONE...AND YOU'LL ENJOY DISPLAYING THIS ATTRACTIVE CARD IN YOUR LISTENING POST. IT'S EASY, BUT YOU HAVE TO LISTEN TO THE SWL DIGEST FOR THE INFORMATION NECESSARY TO SEND IN YOUR REPORT. THE COST WILL BE JUST 60¢ IN US MINT STAMPS, 70¢ IN CANADIAN MINT STAMPS, OR 3 IRCs.

YOU CAN HEAR THE SWL DIGEST ON THE AFRICAN, EUROPEAN, NORTH AMERICAN AND CARIBBEAN SERVICES ON SATURDAY - 2130 UTC - on 21695kHz, 17875kHz, 17820 kHz, 15325kHz, 15150kHz, and 11945kHz; SUNDAY - 1900 UTC - on 21695kHz, 17875kHz, 15325kHz, 7285kHz, and 5955kHz; - 0000 UTC (GMT MONDAY) - on 11850kHz and 9755kHz; - and 0300 UTC (GMT MONDAY) - on 9755kHz and 5960 kHz.

WESTERN TV-DX

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

Western TV DX

March 1984

March 1984

Deadline: 4-6-84

This month we have a number of reports on the Es of January 7, a report of Es loggings on December 11, some nice tropo loggings, and a report from Okinawa where the Es season does not quite coincide with ours.

Tropo had been nil up to now in 1984, but I have noted a number of reasonably long haul UHF signals as I edit this column on February 10 in my office at Halstad, Minnesota. For example, at 1630, a good signal, in color, was being received from KHNE-29, Hastings, NE at a distance of 460 miles. The antenna here is a Lindsay VHF-UHF log (search) and it is about 64 feet up.

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

John Ebeling, 9209 Vincent Avenue S, Bloomington, MN 55431 CST

Was at cabin in Prosit in northern Minnesota this past weekend and got in on some January Es. FM band active to 107.7 MHz. Followed Es opening from DE to ME on Saturday, January 7. Most of time is spent on FM, but here is TV report:

1130 WJSK-2 Sneedville, TN (audio ID - fighting with several other stations)
1145 ???-5 unid with North Carolina basketball game
1203 ???-2 unid with Dick Clark program ad for "Super TV" with phone number 995-1832
1327 WNEW-5 New York, NY (rather small ID, but good strong signal)

First noted Es at 1100 and opening lasted to about 1530-1600.

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

Equipment: Hitachi CT-922 fed by a Channel Master VHF antenna and a Winegard CH-9095 UHF antenna. Both are on a 20' mast, about 35' off the ground, the UHF is 3' higher, with Winegard AC-4990 preamp (and separate lead). A Bohsei b&w is hooked up to a Radio Shack VHF antenna 15' off the ground. (DX on the Bohsei and Radio Shack antenna is marked with an *).

Once again, not a single new logging to report, but the winter Es season has at least provided a few ID's. There was even a glimpse of what must have been the new KSAF, though not enough that I'd feel comfortable in claiming a logging. On January 6, I broke down and bought a VCR just for TV DX. If I'd had it on Christmas, KSAF might have been bagged, but at least I'm ready for next time. (The reason I say just for DX is I'm really not visually oriented where entertainment is concerned. I can listen to the FM or a tape while reading, but with a movie, what can you do but sit and watch and listen?)

Anyhow, here it is, including a September Es event of such overwhelming proportions that I forgot all about it when reporting last time around.

| | | |
|--|---|--|
| <u>September 1983</u> | <u>December 1983</u> | 25 Es 1911 unid channel 3 MUF to channel 4 |
| 6 Es 1603 unid ch 2 Mexico 1800 unid channel 3 1815 MUF to channel 5 | 2 Es 1700-1720 MUF at ch 2 (Just CCI - no V or A) 1935-1948 'Similarly' | 1920 unid channel 2 1949 unid channel 3 2019 unids chs 2, 3 2042 KSAFt 2 NM |
| <u>October 1983</u> | 3 Es 2147 Two unid ch 2's 10 Es 1719 XEPmt 2 CH 1730 KDCE 4 TX 970 | (Santa Fe refer- mail order ad?) 29 Es 1358 KUSD 2 SD 1355 1438 MUF to channel 5 30 Es 1741 unid channel 2 MUF to channel 4 |
| 14 Es 2045 KENwt 3 NM 2100-2132 unids ch 2 2134 MUF to channel 5 2249 unid channel 5 | 1800 KDCE 4 TX 970 1808 unid channel 5 (MUF 92.3- 1817) 1836 Two unid ch 2's 1843 XEPM 2 CH | <u>January 1984</u> 5 Es 0900 MUF to at least 97.1; caught on FM ms monitor while asleep, so no data. |
| <u>November 1983</u> | 16 Es 1202 XEPmt 2 CH ms?1707 | |
| 29 Es 1832 unid channel 2 1852 XEPM 2 CH 970 1900 unid channel 4 30 Es 1804 unid channel 2 1835 MUF to channel 4 | | |

John Jefferson (continued) Please bear in mind that 2, 4, and 5 are all occupied by San Francisco stations 25 miles wnw of here, while 3 and 6 are filled by Sacramento entries 40 miles nne. But for those unhappy facts, some of those unids might be ID's.

On January 7, a rather ordinary day, I recorded ID's for 30 stations that were usable. Only KMPH-26 at all unusual, and that because it's co-channel with San Francisco. That'll give an idea of how much garbage is on the band. When conditions improve, I will add ID's of all the marginal stations. Fresno, for example, has 5 U's which are always ID'able, but why bother until they're near their best?

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, Grove Power-Amp wide-band preamp, three element 50 MHz yagi beam, Grove Scanner Beam.

| | |
|--|---|
| <u>November 1983</u> | <u>January 1984</u> |
| 27 Es 1330 A2 DWWX Quezon City, Phil. 1600 E2 Malaysia (2 Es) | 1 Es 1230 R1 Vladivostok, Russia A2 Seoul, Korea A3 unid Korean LP xltr A4 Yeosu, Korea |
| <u>December 1983</u> | 1330 A2 DWWX Quezon City, Phil. A3 DYDY Cebu City, Phil. 1430 C1 unid China C2 unid China C3 unid China C4 unid China C5 unid China (FM to 90.3 from Korea) |
| 5 Es 1630 C1 unid China 6 Es 1800 A2 DWWX Quezon City, Phil. A4 DGTV Quezon City, Phil. 8 Es 1645 C1 unid China 1700 A2 DWWX Quezon City, Phil. 1820 C2 unid China 10 Es 1415 C2 unid China 1600 R1 Vladivostok, Russia 1640 A2 DWWX Quezon City, Phil. 11 Es 1030 R1 Vladivostok, Russia 1100 C1 unid China C2 unid China 1430 A2 DWWX Quezon City, Phil. A4 DGTV Quezon City, Phil. 1645 A2 DWWX Quezon City, Phil. 1820 A4 DGTV Quezon City, Phil. 12 Es 1200 C1 unid China 1500 A2 DWWX Quezon City, Phil. A4 DGTV Quezon City, Phil. 13 Es 1500 A2 DWWX Quezon City, Phil. 15 Es 1130 A2 DWWX Quezon City, Phil. A4 DGTV Quezon City, Phil. C1 unid China 18 Es 1600 C2 unid China 26 Es 1500 C1 unid China | 2 Es 1300 C1 unid China 1320 C2 unid China 1330 A2 DWWX Quezon City, Phil. 1400 A4 DGTV Quezon City, Phil. 3 Es 1200 C1 unid China 1530 R1 Vladivostok, Russia 8 Es 1430 A2 DWWX Quezon City, Phil. A4 DGTV Quezon City, Phil. 9 Es 2100 C1 unid China C2 unid China 11 Es 1700 C1 unid China C2 unid China A2 DWWX Quezon City, Phil. 14 Es 1400 C1 unid China C2 unid China A2 DWWX Quezon City, Phil. 1615 R1 Vladivostok, Russia 15 Es 1330 A2 DWWX Quezon City, Phil. 22 Es 1150 C1 unid China |

The winter Es season was, overall, quite good. The second half of December was quiet, but activity resumed in early January. The best opening was on January 1. I'll be watching very closely for any TE openings during this coming February and March. Such openings were common here during those months in the two previous years.

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

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.

| | | |
|---|--|--|
| <u>November 1983</u> | 5 tr 1142 KCBR 17 IA 178 | 31 tr 1127 WLRE 26 WI 222 |
| 4 tr 0835 WSNS 44 IL 288 0836 WBBS 60 IL 268 0838 WMTV 15 WI 168 0842 WLRE 26 WI 222 | <u>December 1983</u> 3 tr 1832 RMEG 14 IA 222 31 tr 1118 WVTM 18 WI 237 1124 WVCY 30 WI 237 | <u>January 1984</u> 7 Es 1130 WFMV 2 NC 860 1132 WUNC 4 NC 900 1138 WWAY 3 NC 1027 1140 WCBD 2 SC 1027 |

The past three months have been rotten for DX-ing. So, it isn't much of a report. On the seventh of this month, there was an E skip opening to the southeast up to channel 4.

Ronald Purdue (continued) Not much TV news here, except that the FCC has assigned channel 45 to Minneapolis - t. Paul.

Last Christmas, I happened to receive a Radio Shack Color Computer 2; so, that kept me away from DX'ing most of the time! It would be nice for me to keep an "electronic log" of TV DX with the computer, but it will be awhile yet until it comes into full use.

That's it from here in Minnesota. I hope that everyone in the club enjoys a DX-ful 1984. See you in 30. '73's.

(I too would like to use a computer for logging; would like to keep it in operation while DX'ing, but many seem to produce too much interference in the TV and the FM. How is the Radio Shack in terms of interference? fm)

Nathaniel Ely, 1237 East Johnson St., #2, Madison, WI 53703

CST

Equipment: Quantum 1110, C.M. 7' dish with 4990 preamp at 61', 70'/30' runs of .412/RG-11 cable, H-D 73 rotor, 1980 System 3 with remote. Grove Scanner Filter III for UHF. Tower, QDMX MD-56 (free standing)

| | | | |
|--|---|--|---|
| December 1983 | 11 Es | 3/4 CB's on chs 2, 3, & 6. Sigs strong enough to go through Pico trap! | 7 Es 1327 unids 2,5 French (Same program) CFCM 4 PQ 910 unid ch 6 French (Same prog as 4) unid ch 3 ese (Barney Miller) |
| 3 tr 1734 WPGH 53 PA 505 | | | |
| 1738 WABO 49 OH 415 | | | |
| 1825 WUAB 43 OH 400 | | | |
| WCLQ 61 OH 400 | | | |
| 1833 WOAC 67 OH 420 | 0319 CFCN 4 AB 1325 | | 8 ms 0209 unid ch 3 ese (Barney Miller) |
| 1845 WBGUT 57 OH | 0400 CKCK2t 6 SA | | |
| 1855 WNEO 45 OH 445 | 12 tr 1415 WVIZ 25 OH 400 | | 0231 -KTVO 3 MO 240 (Local channel 3 now off for a few hours on Fr and Sat nights) |
| 1900 WVIZ 25 OH 400 | 1440 KSPR 33 MO 460 | | 26 au 0025-0045 mostly LB ch |
| 1918 WYTV 33 OH 460 | 1441 unid ch 16, had to leave | | |
| 1921 WTLWt 44 OH (CCI - WNSN) | 13 tr 0018 KSPR 33 MO 460 | | |
| 2008 WGGNT 52 OH (Wanted it badly but it got away) | 0110 WUAB 43 OH 400 | | |
| | 0205 CKCO 42 ON 480 | | |
| | CKGnt 22 ON CB's | | |
| 2043 WAKR 23 OH 460 | 0257 CKCO 13 ON 440 | | |
| 2100 WQLN 54 PA 465 | 29 Es 2055-2122 unids ch 2 e | | |
| 2200 WSEE 35 PA 465 | | | |
| 11 Es 0143 CKSA 2 AB 1170 | January 1984 | | |
| 0148 CITL 4 AB 1170 | (New rotor installed on the 5th. Preamp and traps removed from Quantum 1110.) | | |
| 0158 CKTV 2 SA 850 | 7 Es 1100 WGBH 2 MA 970 | | |
| 0227 CKBit 5 SA | Two unids ch 4 | | |
| 0229-0244 unids 2,5, 6 | 1113 WLBZ 2 ME 1050 | | |
| 0254 CKRD 6 AB | | | |
| 0258-0315 More unids including resolu TP's on 3 and 5, | | | |

With the super frigid weather, tropos have been practically nil. At times, even semi-locals have looked so weak that I went around checking to make sure everything was hooked up right. There was a nice look into Ohio and western Pennsylvania on the 3rd of December which was enjoyable. I believe the 12th and 13th of December were also good, but I didn't have much time to look.

Es reported on the 11th of December must have been the same opening as reported by Bill Draeb and Bob Grant. No sign of WEWS-5 or WMAQ-5 from the northwest, although multi-burst resolution test patterns were seen on channels 3 and 5. (It was this opening that made me decide to remove the channel 3 traps and preamp. Signals on channel 3 were strong enough to push through the traps while local 3 was off.) I too saw "The Waltons" from CKTV-TV-2. Actually dragged the set into the bedroom and fell asleep while watching. There was also an Es opening on the 7th of January. Both Es openings in this report seemed as good, if not better, than anything seen this summer.

Got a "hot tip" from Jeff Kadet that WPDS-59 was coming on the air on February 1st (Jeff heard this from Ralph Strobel). Jeff sent photos of his and also Bill Draeb's QTH's. All of this much appreciated.

While monitoring WPDS to the south, I noticed a unid channel 51 (description included in the log). If anyone has any ideas, please drop a postcard.

I sent in my membership dues for a third year in the WTFDA. I'd like to thank all who have written and made me feel comfortable in the club. ... (a club member)... has questioned the role of log reports in the VUD. Perhaps some older members have forgotten what it is like to "go it alone." There is very little interest in TV DX beyond the club; no one to share it with. I do read all the DX reports from this area very closely. I

Nathaniel Ely (continued) want to know what I missed, how I might have done if I lived further south, how I might have done if I had 40 more feet on my tower, etc. I wish more members would report their DX. That's all for now. Here's hoping that it warms up! '73's.

(Nate, regarding your unid on channel 51; the program source definitely is Country Music Television, a cable service which is also available to television. Locally, KVNJ-15 is presently using several hours a day of it. I believe your unid station was W51AF from La Salle, Illinois. A construction permit exists there for a low power station with 18.2 kW of power and, I believe, a 400' agl tower. fm)

(Also, regarding your comments on the importance of reports in the VUD, I couldn't agree more. You needn't worry about them disappearing from the VUD as they are a favorite of the vast majority of the members, and without a doubt, the primary reason for the existence of the club. I also agree that it would be good if more members reported. Everyone's loggings are of interest to someone. fm)

Jeff Kadet, Box 20, Macomb, IL 61455

CST

Equipment: Zenith N1310, Channel Master Super Diamond Quantum up 30' with EU-4S pre-amplifier and RG-11 cable. Zenith 9" black and white, Stereo Probe 9 at 28'.

January 1984

| | |
|--|---|
| 8 tr 0756 +WIIU 30 IN 230 (After unid CB) | 25 tr 0855 WJTC 26 OH 365 |
| 0800 WKON 52 KY 330 | 0915 WOSU 34 OH 400 |
| 0812 WKMJ 68 KY 300 | 0938 WKCFt 22 OH NBC |
| (Weak CCI from, I assume, my most wanted station, W68AA, Danville) | 27 tr 1806 WFYZ 39 TN 390 (First TN UHF) |
| 0900 WLEX 18 KY 365 | 2000 WSVnt 47 VA (A ID thru WVUT) |
| 0926 WKOH 31 KY 265 | 2130 WKSot 29 KY PBS (ese- Definitely not WKPD which is parallel to WKSO, but sse.) |
| (Over Peoria) | |
| 0930 WTVQ 36 KY 365 | |
| 0959 WKZT 23 KY 330 | |
| 23 tr 1800 KTXA 21 TX 640 (Also, ch 33, 39-39 to past 0115) | |
| 0628 +WEVV 44 IN 245 | 29 tr 0521 KTTC 10 MN 260 (An cancer tele) |
| 0637 +WPTD 16 OH 340 (Also AR's 24, 29 -Tulsa's 23, 41) | 0615 +KAAL 6 MN 245 (After s/on, had unid CB w/ mx.) |
| 2339 KITV 36 TX 815 | 0813 WQWt 18 WI (Also MN 23, 29) |
| 2348 KBVO 42 TX 815 | |
| 0730 WBTIt 64 OH | |
| 2350 KLRT 16 AR 410 | |

Let me reiterate what Jim Pizzi said in the January VUD; I love my EU-4S. The big news here is that Liberty Cable Company, after laying a few hundred feet of new cable and replacing an unpteen number of bad connections, has eliminated practically all of the cable radiation on channels 2-13. As soon as the weather warms up, I'm going to try to find a used tower and will be using a CM 1110 and a Winegard CP 3800 preamp. This will be the first opportunity to do some serious VHF DX'ing from here. The last few days of January there was a station testing on channel 59 which I think is the new Indianapolis station. 73.

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CST

Equipment: VHF: Broadmoor 9" black & white, Winegard CH-7078; UHF: Magnavox 19" color, Winegard CH-9095, Blonder-Tongue CMA-Uc pre-amp; Alliance rotor.

January 1984

| | |
|--|--------------------------|
| 7 Es 1350 WKTV 2 NY 1095 | 7 Es (MUF 106.9-2009) |
| 7 Es 1300 WCBSt 2 NY 1456 WLBZ 2 ME 1355 | 2039 unid ch 2 Canada |
| (MUF 103.7 @ 1304- NJ) | 8 Es 0957 WKTV 2 NY 1095 |
| WNEWt 5 NY 1959 WLBZ 2 ME 1355 | 1002 WSTM 3 NY 1045 |

A nice opening with many unids. Chances to add Canadian stations to the log seem to slip away every time. It seems that US stations are in general easier to get an ID from. Some auroral activity has been noted in February, but no ID's.

QSL CORNER

TV-QSL's

- Thomas J. Yingling, jr.
221 Pinewood Road
Baltimore, MD 21222
phone # 1-301-282-5649
- CO KTVS 3 Sterling, 204 1/2 Main St. 80751. Send post-card, unsigned with station data after 3 1/4 years after follow-up report. Ross
 - ID KPVI 6 Pocatello, 425 E. Center, P.O.Box 667, 83204-0667. Letter from Jean C. Morland, CE in 2 months. "The Idaho Experience" Ely
 - MO KNLC 23 St. Louis, P.O.Box 924, 63188. Letter from Rev. Larry Rice, Pres. Reply in 10 days, said furthest dist. reported yet. Ely
 - NY WIVB 4 Buffalo, 2077 Elmwood Ave., 14207. Lette- from Ralph Thompson, Dir. of Eng. in 30 days. Ross
 - PA WPXI 11 Pittsburgh, Box 1100, 15230. Personal letter from Robert B. Wahrman, Dir. of Eng. after follow-up in 2 years. Ross
 - WNEP 16 Scranton, % Wilkes Barre-Scranton Airport, Avoca, PA 18641. Received typed-in info on back of my personal ham qsl card which I send as a souvenir, it came back un-signed after follow-up report in 2 years. Ross
 - WLYH 15 Lebanon % 1126 P. City Center, Lancaster, PA 17601-2797. Received a personal letter from Dennis Repino, CE and said my report was the furthest to date at 325 miles. Reply in 24 days. Ross
 - TN WNCE 2 Nashville, 441 Murfreesboro Rd. 37210. Letter from Ted Beauchamp, Eng. Mgr. after follow-up report in 5 years ! Ross
 - TX KMID 2 Midland, P.O.Drawer B, 79711. Letter from Grady Woodward, CE in 10 days, also send sheet explaining E-skip. Johnson
 - VA WTVZ 33 Norfolk, 418 Boush St., 23510. Informal letter by Jerry Nichols, Asst. C.E. with reply in 6 days. Fahber

This months' reporters are: Robert S. Ross of London, Ont.; Nathaniel Ely of Madison WI (a new reporter-thanks!); Bill Fahber of Bridgeton, NJ & William J. Draeb of Kewaunee, WI. In case you hav't noticed, I got a new typewriter. I traded in the Olivetti Praxis-35 & got an IBM Selectric. Below is a copy of the qsl letter that

WXJC-TV



NW Public Sq. Broad Theatre Bldg
Angola, IN 46703-0039
(317) 665-3069 (317) 665-789

September 13, 1983

Mr. William J. Draeb
1304 Ellis Street
Kewaunee, Wisconsin
54216

Dear Mr. Draeb:

1. Thank you for your QSL card of early last month.
2. I have checked our logs accordingly, and verify the information you describe.
3. Perhaps during another weather change, our signal will make it up your way again.
4. Our programming format has been changed since your last observation, and I am enclosing our latest program guide.
5. Thank you for your interest and for writing.

Cordially,

James A. Chase
James A. Chase
General Manager/Program Director

Jac/
Encs.

Bill Draeb got back
WXJC-TV on channel 63
in Angola, IN. The
address is:
N.W.Public Sq.Strand
Threatre Bldg.
Angola, IN 46703-0039
The signer was
James A. Chase, GM/PD

Also: on next page is
QSL CORNER SPECIAL:
A list of all the names
of reporters to this
column since Nov. '71'
This was possible due to
my collection of the
VUD's all the way since
I first joined in Nov.'71'
If any member has copies
of the VUD before then,
please look back in them
& send me the names that
I don't have already
listed. Don Blevins &
I are both now using the
computer for dx report
record keeping, and can
help you in getting your-
self started. 73's for
now, & keep on reporting.

73's
Tom

With the help of my new Timex-Sinclair 2068 computer, and my collection of the club VUD's from Nov'71 to Feb'84 I was able to do a very special list. Below is ALL the names of reporters to the QSL Corner. The column name may have changed over the years & along with different editors that did the typing of the column. After looking over all reporters letters, that I still have since I began as editor in Feb'76 & looking over the VUD's were I was not the editor, I typed in my computer the names of reporters. Then I let the computer give me them in alphabetically order. The names below will show the city & state of the reporter. The city maybe different then now, but was the when they reported.

- Frank Aden-Portland, OR
- Jim Alexander-Parsippany, NJ
- Richard N. Allen-Billins, OK
- John F. Anderson-Lowe Farm, Man.
- David Austin-Ashland, KY
- Donald L. Blevins-Baltimore, MD
- Leo J. Boehl-Grand Island, NE
- Phil Boersma-Spring Lake, MI
- Dave Brown-?, VA
- Danny Buntin-Stillwater, OK
- Gregg A. Calklin- Ottawa, Ont.
- Saul Chernos-Toronto, Ont.
- Randall R. Clark-Parkersburg, WV
- Richard Clark-Lighthouse Point, FL
- John F. Combs-Orlando, FL
- Ernest R. Cooper-Provincetown, MA
- Mike Dalton-Clearwater, FL
- Neil Dickerson-Sharpstown, MD
- DJ the DJ (?) -Valleyfield, Ont.
- William J. Draeb-Kewaunee, WI
- Patrick Durkin, jr.-West Allis, WI
- Pay Dyer-San Antonio, TX
- John Ebeling-Bloomington, MN
- Richard T. Eddie-St. Louis, MO
- David Egan-Valleyfield, Ont.
- Mike Ehrhardt-Alden, NY
- Albert H. Ellis-Brantford, Ont.
- Bruce Elving-Kearney, NE
- Nathaniel Ely-Madison, WI
- Bill Fahber-Bridgeton, NJ
- Ted Fleishaker-Louisville, KY
- Paul Gains-Detroit, MI
- Charles George-Dallas, TX
- Jim Gill-Bradenton, FL
- Rick Glasgow-Ackerman, MS
- Robert Goodman-Cicero, NY
- Robert Grant-Detroit, MI
- Dan Greenall-Ancaster, Ont.
- William R. Hale-Shalimar, FL
- Christopher Hanley-Winston-Salem, NC
- Mike Hardester-San Marcos, CA
- John Hart-Carlin, NV
- Dave Hascall-Portville, In
- John D. Hathaway-Champaign, IL
- Harry Hein-?, IL
- Bob Hempel-Manson, IA
- William R. Hepburn-Niagara Falls, Ont.
- Hank Holbrook-Chevy Chase, MD
- Clark Ingram-Pittsburg, PA
- Glenn Jacobs-Moscow, PA
- John M. Jefferson-Pleasanton, CA
- William H. Johnson-Claredon Mills, IL
- Gregg Kelly-New Philadelphia, OH
- Joe Kureth, jr.-New Windsor, MD
- Bob Langridge -Durant, IA
- Marty Lillie-Bourbonnais, IL
- Rolland Lindblade-Omaha, NE
- R.W.Lord-Chicago, IL
- Greg Lowery-Caldwell, GA
- Paul S. Luchter-Oceanside, NY
- Gerry Lukacik-Chicago, IL
- Earle Lyons-Largo, FL
- Ronald J. LeBlanc-Marrero, LA
- Joseph Markewicz-Camp Morton, Man.
- Patrick Martin-Portland, OR
- Bill Matthews-Columbus, OH
- Bill Migley-Lancaster, OH
- Dennis Moe-St. Ansgar, IA
- Paul R. Mount-Teaneck, NJ
- Gary Mullis-Baltimore, MD
- Tim McVey-Bolivar, TN
- Davie Nieman-Akron, NY
- Adela Ossowski-Erie, PA
- Paul Petosky-Munising, MI
- Jim Pizzi-Orcutt, CA
- Leslie Prus-Manhattan, KS
- Donald Purdue-Byron, MN
- Richard Reese-Jersey Shore, PA
- Mike Reid-North York, Ont.
- Shelby Reminton-New Haven, CT
- Dave Rogers-Buffalo, OK
- Joel Rosenberg-Downsview, Ont.
- Richard S. Ross-London, Ont.
- Rick Samford-Burnet, TX
- Scott Sampson-Orion, IL
- Peter Sawatzky-Waterloo, Ont.
- Cyril Schaver- East Dubuque, IL
- Michael D. Schoenfuss-Abbotsford, WI
- Eric Schutz-Brooklyn, NY
- Robert E. Schweitzer-East Brunswick, NJ
- Bob Seybold-Dunkirk, NY
- Steve Shaffer-Whiting, IN
- Ken Simon-Lake Worth, FL
- Craig Simons-Toronto, Ont.
- Robert R. Sowinski-St. Clairsville, OH
- Steven Sprachman-Seaford, NY
- Shel Swartz-West Palm Beach, FL
- James Thomas-Hutchinson, KS
- Larry Vogt-Springfield, VA
- Bob Walker-Westport, KY
- Steve West-Havertown, PA
- Frank Wheeler-Erie, PA
- Steven C. Wiseblood-Santa Maria, CA
- Jeff Wolf-Silver Spring, MD
- Richard E. Wood-Cape Girardeau, MO
- Thomas J. Yingling, jr.-Baltimore, MD
- Neil G. Zank-Lincoln, NE
- John Zondlo-Hammon, IN

113 reporters from 30 states & 3 provinces.
One point I must bring up again is that
this list shows the city & state were the
reporter was living when he reported.

He may be living now in some other city, or may no longer be a club member. I would
at this point like to thank you-for your support to all the QSL CORNER over the years.