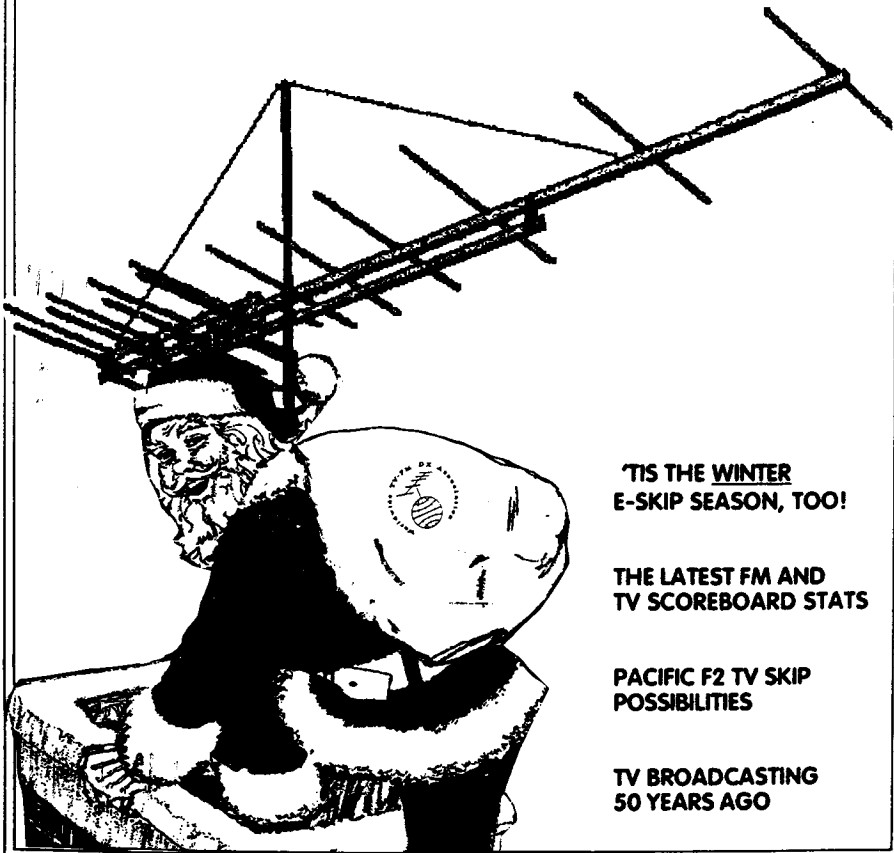


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

DECEMBER 1998

Season's Greetings!



'TIS THE WINTER
E-SKIP SEASON, TOO!

THE LATEST FM AND
TV SCOREBOARD STATS

PACIFIC F2 TV SKIP
POSSIBILITIES

TV BROADCASTING
50 YEARS AGO



WORLDWIDE TV-FM DX ASSOCIATION
PO BOX 501 - SOMERSVILLE, CT 06072

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Serving the VHF-UHF Enthusiast

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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Original Cover Design: Harry Hayes

FROM THE STAFF:

B.U.S.Y.: It may be the time of year, or the phase of the moon, or purely coincidental; but it seems like everyone is literally swamped with work and other non-dxing activities. We don't intend to use that as a total 'cop out', but it is the primary reason that your board of directors hasn't acted on the pending business that has been discussed recently in this column. Please bear with us while we get the loose ends tied up.

REMINDER #1: Don't forget the mid-winter E-skip season. It (hopefully) will make its' usual brief appearance about the time Santa makes his rounds. On occasion the winter openings have produced great catches...but...they are sporadic and generally even less predictable than their summer counterparts.

REMINDER #2: Join the WTFDA chat group every Tuesday and Friday evening at 10 PM Eastern time on IRCnet channel #wtfDX. Topics include equipment, tracking down unID'd stations, propagation characteristics, computer resources, and more. Don't know how to access it? Software questions? Check with Mike Bugaj. His e-mail address is <ikon@netcom.com>.

CONDOLENCES: Please join us in expressing our sympathy to WTFDA member Frank Aden of Boise, ID. Frank's mother passed away in early November.

GREETINGS: From all of the people who work on the VUD each month...from all who contribute to the club in any number of ways...from all whose names appear at the top of this page...please accept very best wishes for the season.

HAPPY HOLIDAYS!

WTFDA MAILBOX

Worldwide TV-FM DX Association
P.O. Box 501, Somersville, CT 06072

Mike Bugaj

NEW MEMBER

ikon@netcom.com

William Mitchell, Columbus OH

RENEWALS

We salute the WTFDA troops renewing for another year: Jeffrey Kitsko, Dr. Joel Rosenberg, Robert Delaney, Keith Short, Steve Solomon, Karl Zuk, Eric Nagel, Steve Branch and Richard Gallison. Glad to have you all here!

MAILBOX MERCHANDISE MALL STRIKES AGAIN

A couple of months ago, if you remember, **Jim Ayers** wrote in looking for a low-band VHF trap. He got one! Jim writes "Just to let you know that the Mailbox Merchandise Mall came through again! Thanks for your listing my interest in finding another Hi-Q trap. Nate Ely had just the model I wanted at a price I couldn't refuse, and it's probably on its way to me at this moment. Yep, the Mailbox did it again!"

AND MORE FREE STUFF!

Email from **Jeff Kadet**: "While rummaging thru some old reel-to-reel tapes, I found one full of TV station sign-offs circa 1963-65 while I dxed from Needham, MA. I will copy it free for any member who sends a C-60 cassette and return shipping." Jeff also mentions that somewhere he also has a reel with a Boston FM bandscan circa 1965 plus reels with BCB bandscans from 1965-66, but so far he hasn't found them yet.

HOWDY, PARTNER!

One neat letter: "Hello everyone! I just wanted to drop a note to introduce myself. I am **Luke Steele**, a new WTFDA member. I'm thrilled to be a member, it looks like a GREAT club to me! (yep, it is -Mike). I signed up right after I finished the sample issue! I'm in high school and have only been "seriously" FM dxing since May 28th of this year! I have been a radio fan for four years though, and collect airchecks and all sorts of logo items as well as broadcast industry trade publications. If anyone is interested in sending tape of their unid dx stations to me, I may be able to figure them out. I'd be glad to help you. Also, I'd be interested in learning what you all think is the best FM component receiver, as I will be in the market for one soon. I'm amazed how well my current radio did this summer, but I do want to get a component tuner one day soon. Also interested in getting ahold of RadioWorld, Tuned In, Broadcasting, etc. type magazines, so if you are interested in that please let me know." Luke gives his email address as midwestairchecks@hotmail.com, and lives in Vinita, OK. Welcome to WTFDA!

And now this...BLAST FROM THE PAST!

Someone found our website and popped a question to me regarding the WTFDA TV Station Guide, an oldie-but-goodie publication that was last published in 1981. The crew who worked on this were **Ron LeBlanc**, **Morrie Goldman**, **Harry Hayes**, **John Combs**, **William Faber**, **Mike Hollis**, **Robert Langridge**, **Steve Sprachman** and **Rick Samford**. There were two editions; the first with a blue cover and the last (the one I have) with a red cover. I mention this because I have had two requests since March wondering if the guide was still available. One person, a radio amateur, said it still is one of the most valuable Es aides he has despite the fact that the latest Guide is 17 years old. And believe it or not, I still have mine tacked to the wall in my basement next to the TV set. Each VHF channel had its own map, and the UHF maps went up to ch83. This guide was one of WTFDA's premier publications, a resource that is still missed today.

DIGITAL TV UPDATE

Some DTV info found its way onto the qth.email list lately. Here are a couple of posts from **Karl Zuk**: Early indications show that digital signals coexist with analog ones fairly well. If you are familiar with how analog and digital signals look on a spectrum analyzer, they almost fit like puzzle pieces...well, almost. As for antennas: most DTV will be on UHF... (but)...most interesting will be WBBM-DTV on channel 3 in Chicago. This will make an interesting e-skip catch. DTV signals that are below the noise floor can actually be sufficient for pictures, and RF propagation won't change. What will change is the noise and fading of analog. You'll get the signal, or you won't. An often used analogy is that it's like falling off a cliff. DTV has no ghosts. There is sophisticated error correction built into DTV receivers to compensate for fading and data error created by multipath/echoes. Weak signals or interference will produce confetti much like what you see when you lose signal on a DirectTV system. DTV is much more forgiving with weak signals. In fact, signals that are below the noise floor on a spectrum analyzer can still produce full quality pictures. One interesting anomaly that has just arisen: the way the pickup patterns of antenna systems correlates to usable signals seems to be somewhat different between analog and digital. A recent installation in Manhattan proved an eight-bay bow tie array may work better than a parabolic dish for DTV in some circumstances. I'm not sure I quite understand why yet, but we're working on it.

I received another email from someone wanting information on DTV DXing and DTV propagation, which I emailed to **Doug Smith** and he was kind enough to answer the questions and send me a copy: DTV signals are certainly capable of travelling great distances. Bill Draeb in Kewaunee, WI has reported tentative reception of WBBM-DT channel 3 Chicago, about 200 miles, and Fernando Garcia in Monterrey, Mexico believes he's seen WSB-DT channel 39 Atlanta, over 1000 miles distant. But, neither dxer has a digital set...there just aren't enough DTV receivers out there to know yet. I'm 99% certain tropoduct DX will not be a problem with digital. The signals are fairly steady, and there isn't much QRM on the UHF band. DTV signals will also propagate by E-skip, but interference and fading are much worse at VHF. Because of the use of time compression, a brief fadeup of 2-3 seconds may not be enough to yield a picture. On the other hand, if a picture does come in, it will be pretty good if not perfect.

MONSTER DISHES

Here are some neat posts from the qth.net list regarding large parabolic antennas. So you think your 7" dish is huge... then read on. This is from an engineer in Quebec:

We are still running a 35' parabolic reflector for five FM channels that are 150-200 miles away. This parabolic is on top of a mountain and it is made with 50' wooden poles and the parabolic is made with 2" galvanized pipes for the frame and wire mesh for reflector. In the center is a fiberglass pole and at the end on the focal point of the parabolic is an FM antenna facing the dish. This parabolic is 25-30 years old and still running fine. The FM antenna was changed 15 years ago.

Somebody want to try that on your property? Here's another one:

In the mid 60s the parabolic-torus was also used for the long distance reception of TV signals. As I recall they were frequently used in Canada and manufactured by a Canadian firm. One such antenna was erected in about 1965 in Merced, CA, a CATV system owned and operated by G.E. Cablevision until 1986. The screen was about 90' high and 360' long. The radius of the torus was about 100'. The screen was centered on San Francisco and several antennas were placed along the locus of feed positions to cover all the Bay Area signals. The support structure consisted of steel towers with the appropriate curvature and the screen was constructed using horizontal, stretched steel wires. The screen was difficult to see and soon became dubbed the "bird catcher". It also had a tendency to "sing" during high winds. The torus was the main source of Bay Area signals for a number of years, and later served as back-up to the CARS M/W system that replaced it. It would be interesting to know if the torus is still standing at the old Merced Headend site in Cressy, CA. -That's all, folks! Everybody have a great holiday season!! See you in the WTFDA Chat Room. - Mike

WTFDA Web Site: www.axs2k.net/fda/wtfda.html

TARGETS FOR F2 SKIP

Compiled by Mike Fouister ZL3TIC, Christchurch, New Zealand

PACIFIC 45 - 55 Mhz

This is a frequency list of TV transmitter video carriers at Zero beat within the range of 45 - 55 Mhz
 * The Nicam subcarrier is 300khz above the audio carrier and is aprox 200khz wide, the subcarrier is 10db below the audio carrier.

PACIFIC

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
AMERICAN SAMOA	KVZK-TV	50KW	55.24998	AH45
HAWAII	KHONTV	100KW	55.23940	BL01
COOK ISLANDS	CIBS-2#	10W	55.25000	
PHILIPPINE	SABS-CBN	100KW	55.24998	
SOUTH KOREA	AFKN-TV	70KW	55.25000	

#This is a low powered link to feed the Airport Translator

NEW ZEALAND

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
HIKURANGI	TV2*	100KW	45.26040	RF74
SKY TOWER	TV4*	500W	45.24989	RF73
TE AROHA	TV1*	100KW	45.23980	RF72
KAUKAU	TV1*	100KW	45.25000	RE78
SOUTH SHORE	TV2*	100W	45.23990	RE66
BANKS PENINSULA	TV1*	100W	45.25902	RE66
MT STUDHOLME	TV2*	10KW	45.23980	RE55
MT HEDGEHOPE	TV1*	100KW	45.25000	RE43
MURCHISON	TV2*	2KW	45.26000	RE68
NELSON	TV3*	2KW	45.26030	RE68
WHAKAPUNAKE	TV1*	10KW	45.26040	RF80
KAKA HILL	TV3*	50W	45.25000	RE67
WALLACE PEAK	TV2*	250W	45.25000	RE67
QUEENSBURY	TV2*	100W	45.26040	RE44
WINGATUI	TV2*	1W	45.28340	RE54
REEFTON	TV3*	100W	45.23700	RE57
HASTINGS	TV1*	10KW	45.26090	RF81
KAUKAU	TV4*	10KW	55.23860	RE78
MANGONUI	TV2*	100W	55.24000	RF65
OMAPERE	TV2*	10W	55.24010	RE64
PARAHAKI	TV2*	150W	55.25000	RF63
WHARITE	TV1*	100W	55.25000	RE79
KARORI WEST	TV3*	10W	55.23960	RE78
FERRY MEAD	TV3*	50W	55.26330	RE66
MT CARGILL	TV1*	100KW	55.26050	RE54
WATATARUA	TV1*	100KW	55.24000	RF73
REEFTON	TV2*	20W	55.24970	RE57
LUDLEY	TV2*	50W	55.26000	RE56
CROMWELL	TV2*	500W	55.25000	RE44
ROXBURGH	TV2*	10W	55.25980	RE44
AHURIRI WALL	TV2*	500W	55.24010	RE54

AUSTRALIA 46 MHz

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
MT ULANDRA	ABMNO	100KW	46.24010	QF35
MT MOWBULL	ANRTQO*	150KW	46.17180	QF53
BALD HILL/NENO		1000W	46.26100	QF58
BUCKERIDGE LOOKOUT	ABWNO	500W	46.23960	QF53
NANNY GOAT HILL	ABSNO	25W	46.23963	QF4
MT CUMBERMELON	ABCNO	15W	46.25740	

* Stereo subcarrier is 300khz above the audio carrier, uses standard Analog system.

MALAYSIA 48 Mhz

As this list below is far from complete this is the best information at the time of publication, I would like to thank Steve VK3OT/VK3SIX and Milan OK1XH for their input.

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
KOTAKINIBALU		100KW	48.24000	
EAST MALAYSIA		100KW	48.24470	
MALABO		1KW	48.24760	
SOUTH EAST MALAYSIA			48.24960	
MALAYSIA		100KW	48.25080	
MALAYSIA	LOTS	?	48.25000	
GWERU		17.6KW	48.25800	

CHINA, USSR, ASIA 48 - 49mhz

LOCATION	CALLSIGN	POWER	FREQUENCY	GRID REF
HOLMS	SRT2		48.25000	
TRADE CENTREEDTV1		150KW	48.25000	LL74
TELERANIRIB2		100KW	48.25800	LM55
YEREVANTV		50KW	49.74200	LN20
DZHALIABADATV1		5KW	49.75000	LM49
KRASNOVODSK		100KW	49.75000	LN60
ASHCHABAD		15KW	49.75000	LM97
ASIATIC REGION			49.73480	
ASIATIC			49.74740	
ASIA			49.74820	
ASIA			49.74860	
ASIA			49.74960	
ASIA (WARBLEY SIG)			49.74990	
KRIVOI ROG		35KW	49.75020	KN67
VELIKIJE		90KW	49.75090	K056
VLADIVOSTOK		7KW	49.75020	
CHINESE OUTLET			49.75040	
CHINESE (PULSING)			49.75080	
SUZHZERO		10KW	49.75800	KP63
KULDIGA		50KW	49.76040	
ROSTOV-ON-DON		35KW	49.76080	KN79
NOVOSOKOLNIKIURS		90KW	49.75780	K056

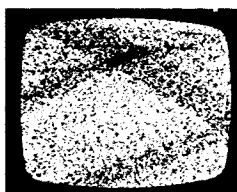
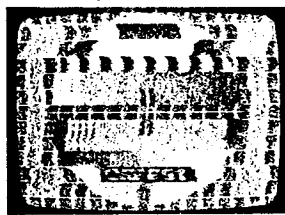
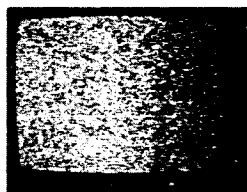
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Permission granted to use this list in the VHF/UHF Digest

F2 TV SIGNALS



FM NEWS

DECEMBER 1998

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KEY TO ABBREVIATIONS:

&: satellite programming
AF: New frequency allocation **accepted for filing** for a new FM license
AFA: American Family Association
CC: **call letter** change
CL: **city of license** change
CX: **a construction permit** has been **canceled**
C1,C2,etc: a change in status to that FM license **class**
DA: **directional antenna**
DE: station has been **deleted**
FC: **format change**
GA: **granted amendment** to the table of FM allocations
GE: **granted extension** of construction permit

GX: **granted replacement** of expired permit
LC: **license to cover** filed (means station is ready to come on air)
MC: **multiple-city** legal ID
NC: **no change** yet on a reported change/permit
ND: **non-directional** antenna
NO: **not on the air**
NS: **new station** granted
NW: **new station** signs on
OSA: **one-step application** granted for change
PA: **proposed amendment** to change FM table of allocation
PC: **power change** on the air (> for increase, < for decrease, when known)

PG: **power change** granted (> for increase, < for decrease, when known)
QC: **frequency change** occurred
QG: **frequency change** granted
RA: **silent station returns to air**
RE: **station requests extension** on permit
RX: **station requests replacement** of expired permit
SG: **slogan change** or update
SI: **station is silent**
XA: **dismissed amendment** to FM allocations
XC: **transmitter site change** occurred
XG: **transmitter site change** granted



UNITED STATES

ALABAMA:

Birmingham: WZRR 99.5 dropped local "Mason and Dixon" for "John Boy and Billy"
Brewton: WPHG 90.9 XG: 31-18-13 / 87-02-50 LC
Butler: WKZB 93.5 FC to classic rock (&)
Cedartown: WJCK 88.3 NC to 27 kW, 1001 ft, DA, C3, RE
Chatom: WFOW 106.1 NC to 12 kW, 472', GE
Columbiana: WQEM 101.5 NO-RE
Cullman: WFMH 101.1 to change to cont. Christian Nov. 23rd (Birmingham)
E. Brewton: WGCX 95.7 NO-GX, XA for class change A - C3, CL: Navarre, FL
Eufaula: WULA 92.7 PC> 26 kW, 298', C2
Homewood: WEDA 97.3 PG to 640w, 1004 ft, NW, CHR (Birmingham)
Millbrook: WMCZ 97.1 PG< 1 kW, 790 ft.
Ozark: WQLS 103.9 FC to JRN soft AC (&)
Ozark: WAQG 91.7 NW, AFA cont. Christian
Smiths: WBFA 101.3 NW, CHR "B-101"
Troy: WZHT 105.7 inc. to 1830 ft. XC: 31-58-28 / 86-09-44



Juneau's Best Rock Mix • FM

ALASKA:

Bagdad: KBJU 89.3 CC (NS)
Fairbanks: KWLF 98.1 inc. to 764 ft, C1, XC: 64-55-20 / 147-42-55
Girdwood: KEUL 88.9 LC
Holbrook: K201ER 88.1 NS-50w: KCZO
Homer: KWVV 103.5 FC to JRN soft AC (&)
Houston: KADX 94.7 NO-RE (4th)
Juneau: KAMT 100.7 NO-RE (4th)
Juneau: KAKZ 102.7 NO-RE (4th)
King Salmon: *** 92.1 GA: add class A

ARIZONA:

Chino Valley: KAKP 103.9 LC
Eagar: KTHQ 92.5 PG< 57 kW, 1230 ft.
Gilbert: KPTY 103.9 PC> 50 kW, 492 ft.
Page: KNAD 91.7 NW, info/classical // KNAU 88.7 Flagstaff
St. Johns: KWKM 95.7 NO-RE
Tuscon: KZPT 104.1 inc. to 328 ft.

ARKANSAS:

Batesville: KBTA 99.5 PG< 3.4 kW, 426 ft. XG: 35-52-07 / 91-35-14
El Dorado: KBYB 96.1 inc. to 446 ft. XC: 33-16-16 / 92-39-17
Eudora: KAVH 101.5 NO-RE
Gould: KAFN 102.5 NO-GE

Arkansas:

Pangburn: *NS 99.1 6 kW, 328 ft.
Wilson: KAFW 103.7 GA: to 94.7 - A, CL: Turrell

CALIFORNIA:

Arnold: KBYN 95.9 PG > 980w, 807 ft.
XG: 38-22-42 / 120-11-36
Bayside: KZPN 91.5 PG > 550w, 508 ft.
XG: 40-47-49 / 124-02-47
Blythe: K209CY 89.7 NS-50w(v), DA: KAWZ-ID
Carlsbad: KMCC 95.7 CC (ex KMCG) "Mix 95.7"
Cedarville: K207CR 89.3 NS-75w: KVIP 98.1
Chowchilla: KSKD 93.3 FC to Christian rock //
KLRD (Merced)
Corning: KCEZ 100.7 FC to oldies & talk
Fairmead: KLVY 91.1 LC
Ft. Bragg: KLLK 96.7 PG 890w, 2873 ft. class B,
XC: 39-3059 / 123-05-21, CL: Willits, CA
Goleta: KKSBB 106.3 CC (ex KMGQ) "Santa
Barbara"
Greenfield: KSEA 107.9 NO-GX (3rd)
Happy Camp: K216EC 91.1 NS-KAWZ Idaho
Holtville: KGBA 100.1 PG > 3 kW, 328 ft.
XG: 32-47-40 / 115-29-53
Johannesburg: KRAJ 100.9 CC (ex KBHM), NW,
Jones AC (&) // KEDD
Kings Beach: KHVG 107.7 dec. to 2867 ft,
XC: 39-18-48 / 119-52-59
King City: K213CR 91.9 NS-80w: KCZO
Livingston: KLVN 88.3 LC
Lompoc: KAKV 106.7 NO-GE
Lompoc: KAOH 104.9 NO-GX
Long Beach: KBUE 105.5 PG > 3 kW, 466 ft.
Long Beach: KLON 88.1 NC to 35 kW, DA, B, RE
Lucerne Valley: K1XA106.5 FC to rock
Newport Bch: KBCD 103.1 FC to adult alt. (L.A.)
Oak View: K210CH 89.9 NS-10w(v): KTLW
Palm Springs: K240CR 95.9 NS-10w(v): KMRO 90.3
Pleasanton: K1OI-2 101.3 NS-900w(v), DA
Pt. Arena: *NS 102.3 AF
Pt. Arena: *NS 107.1 AF
Pt. Reyes Station: KWMM 90.5 CC (NS)
Ripley: K201ES 88.1 NS-10w: KEFX-ID
Rosamond: KOSS 105.5 PG > 6 kW
San Diego: KLVN 106.5 CC (ex KEBN) "La Nueva"
San Fran: KFOG 104.5 XG: 37-45-19 / 122-27-06
San Fran: KYCY 93.3 CX CP for 45 kW, 518', DA
San Jacinto: KWRP 96.1 FC to JRN standards (&)
San Luis Obispo: KPAT 88.5 NO-RX
San Rafael: KKHI 105.7 PG > 400w (v), 105'
XG: 37-31-35 / 120-51-25
Santa Ana: KALI 106.3 PG > 6 kW, 302 ft, XC: 33-
45-21 / 117-51-18
Santa Barbara: K218CP 91.5 NS-3w(v): KAWZ-ID
Santa Barbara: KMGQ 97.5 CC (ex KHTY)
Santa Monica: KACD 103.1 FC to adult alt. (L.A.)
Santa Ynez: KRAZ 105.9 NO-GX (3rd)
Shingletown: KRDG 105.3 PG > 28 kW, 1243 ft, C1,
XC: 40-29-19 / 121-54-23
S. Lake Tahoe: KEAR- 106.9 NS-?? w.
Stockton: KJOY 99.3 PG > 4.8 kW, 289 ft,
XC: 37-59-33 / 121-12-50
Vacaville: KUIC 95.3 PG > 460w, 2024 ft.

COLORADO:

Canon City: KTLC 89.1 CC (NS)
Colorado Sps: KTLF 90.5 PG > 13 kW (v), 2182 ft,
class C, XC: 38-44-43 / 104-51-39
Dillon: K264AG 100.7 NS-250w: KRKM 106.3
Durango: KPTE 99.7 adds Bob & Sheri
Evergreen: KXPX 96.5 FC to new rock (Denver)
Glenwood Sps: KKCH 92.7 PG < 56 kW (h), 2503 ft.
XC: 39-25-07 / 107-22-06
La Junta: *NS 89.1 AF
Limon: KAVD 103.1 NO-RE
Ouray: KURA 105.7 NC to 25 kW, 203 ft, XC:
38-15-59 / 107-51-07
Paonia: *** 106.5 PA: add class A
Parkdale: K220GW 91.9 NS-5w: KRCC 91.5
Pueblo: KYZX 104.5 OSA to 103.9, 1,750w.,
2158', XG: 38-44-44 / 104-51-42, CL: Pueblo
West, Colo.
Silverton: *NS 103.7 AF
Yuma: *** 94.5 GA: add class A
Yuma: KNEC 100.9 CC (ex KBJI), NW, to be
WW1 standards (&), "Northeast Colorado"

MIX 93.7 FM**CONNECTICUT:**

Avon: W209BD 89.7 NS-40w: WGRS 91.5
Hartford: WZMX 93.7 FC to
classic rock "The Point"
Huntington: W220CF 91.9 NS-7w, DA, WGRS
New Haven: WPLR 99.1 PG > 16 kW, 836 ft.
Norwalk: WEFX 95.9 adds Smith & Barber
Storrs: WHUS 91.7 NC to 4.4 kW (v), 1028w
(h), 492', DA, B1, XC: 41-48-50 / 72-15-36
W. Hartford: W220CH 91.5 NS-37w: WGRS 91.5

to hot AC "Star 100.5" (Gainesville)

Florida:

Panama City: WLHR 107.9 CC (ex WDRK) "Lite
107.9"
Panama City: WJTF 89.9 LC
Trenton: WDJY 101.7 adds WW1 country (&)
Vero Beach: WBBE 101.7 CC (ex WAWW) "B101.7"
Vero Beach: WGYL 93.7 FC to ABC a/c (&)

GEORGIA:**WSB-99fm**

Atlanta: WSB 98.5 increase to 1027'
XG: 33-45-33 / 84-20-05
Cordele: WKKN 98.3 PG > 4.2 kW, 279 ft, XC: 31-
55-45 / 83-46-20
Dublin: WAWH 88.3 NO-GE
Jasper: *NS 88.3 100w, 3 ft., DA
Jesup: WIFO 105.5 NC to 25 kW, 308', DA, C3
La Grange: *NS 91.9 AF
Lakeland: WHFE 105.9 NC to 19.5 kW, 374', GX
Milledgeville: WLRR 100.7 PA: class A to C3, CL:
Social Circle, GA
Mt. Vernon: WYUM 101.7 NW, CD Country (&) SG
"Sweet Onion Country"
Sparta: WPMA 102.7 CC (NS)
Springfield: WWSI 103.9 CC (ex WSGF)
Toccoa: W220CK 91.9 NS-10w: WLFJ

HAWAII:

Hilo: KCIF 90.3 NW, cont. Christian
Hilo: KANO 91.1 NO-RE
Waipahu: KKHN 102.7 CC (ex KHUL) "Double K
Country"

IDAHO:

Burley: KBSY 88.5 NW, news/talk // KBSX
Burley: KZDX 99.9 FC to modern AC "Buzz"
Hailey: *** 106.7 GA: add class C
Hayden: KHTQ 94.5 FC to rock (Spokane)
Rexburg: KRIC 100.5 PG > 100 kW, 692 ft.
Shelley: *NS 107.9 NO-GX
Twin Falls: *** 101.7 GA: add class A
Wallace: KQWK 97.5 NO-GE

ILLINOIS:

Cairo: *NS 88.5 1.5 kW (v), 321 ft. (AFA)
(transmitter will be in Kentucky)
Carbondale: WCIL 101.5 inc. to 387 ft.
Carlinville: WOLG 91.9 CC (ex WCNL) "Our Lady
of Guadalupe"
Charleston: W213AW 90.5 NS-??w: KVCX-SD
Chicago: WRCC 103.5 FC to rhythmic oldies
Decatur: WYDS 93.1 FC to CHR "The Party"
DeKalb: WDKB 94.9 XC: 41-56-57 / 88-53-44
Freeport: WNIIE 89.1 NO-RE (2nd)
Joliet: WJTW 93.5 inc. to 276 ft.
XC: 41-32-06 / 88-03-15
Kankakee: WAWF 88.3 NO-RX
LaSalle: W212BE 90.3 NS-10w(v), DA: WPCS-FL
LaSalle: WNIW 91.3 NO-RE (2nd)
Ramsey: WJLY 93.3 PG < 3 kW, 466 ft, XG: 39-
08-06 / 89-06-02
St. Joseph: WGNJ 89.3 NO-GE (5th)
Sterling: WNIQ 91.5 NO-GE

INDIANA:

Alexandria: WAXT 96.7 NC to 2.5 kW, 351', GX
(2nd)
Clarksville: WQSH 93.1 NW, modern AC
"She 93.1" (Louisville)
Indianapolis: WFBQ 94.7 PG > 58 kW, 804 ft.
Rochester: W211BC 90.1 NS-170w: WLAB 88.3
Veedsburg: *NS 88.5 AF
Vincennes: WATI 89.9 NW, AFA cont. Christian
PG > 3 kW, 367 ft, XG: 38-41-54 / 87-26-33
W. Terre Haute: WWVR 105.5 FC to classic rock
"The River"
Winamac: WFRI 100.1 no DA, RE (2nd)

IOWA:

Burlington: KORB 93.5 inc. to 318 ft.
Des Moines: KIOA 93.3 PA: class C to C1
Des Moines: KLNQ 89.3 CC (NS)
Emmetsburg: KEMB 100.1 FC to CHR
Keokuk: KRNQ 96.3 NO-RE (5th)
Keokuk: KMDY 90.9 CC (ex KBJK) "Moody
Bible"
Keokuk: KOKX 95.3 NC to 100 kW, 794', C1,
RE (3rd)
New London: *NS 97.3 6 kW, 108 ft.
Northwood: KYTC 102.7 OSA to C3, 25 kW, 308'
Osceola: KJJC 106.9 GA: to 107.1 - C2
Ottumwa: KTWAA 92.7 GA: from C3 to C2
Sibley: KAJS 100.3 NO-GX
Spencer: KICD 107.7 dec. to 285 ft.,
XC: 43-09-57 / 95-08-46

KANSAS:

Emporia: KAWV 99.5 NW, soft AC "Wave" (&)
Ottawa: KCHZ 95.7 PG > 100 kW, 981 ft, DA,
XG: 39-00-45 / 95-01-46
Plainville: KFIZ 96.9 NW, classic rock
Salina: KZBZ 104.9 adds JRN soft AC (&)

KENTUCKY:

Beaver Dam: WKLX 100.7 NO-RE (4th)
Carlisle: WSTL 92.1 QC from 100.7, FC to MGS
cont. Christian (&) (Lexington), now C3, 25 kW,
308', DA, XC: 38-14-23 / 84-11-41, CC (ex
WVCM), SG "Star 92"
Cave City: WPTQ 103.7 CC (ex WHHT), FC to
classic rock (Bowling Green), "The Point"
Georgetown: WXZZ 103.3 PG > 6 kW, 328'
XC: 38-03-56 / 84-29-13
Horse Cave: WHHT 106.7 CC (ex WXPC) FC to
WW1 a/c (&) "Mix"
Irvine: WCYO 100.7 QC from 106.1, PG < 9.2
kW, 505', XC: 37-39-40 / 84-08-55
Louisville: WFPL 89.3 PG < 21 kW, 774', class B,
XC: 38-21-55 / 85-50-24
Louisville: WFPK 91.9 PG < 6.8 kW, 774 ft, class
B, XC: 38-21-55 / 85-50-24
Madisonville: WKTG 93.9 PG > 35 kW, 584'
Middlesboro: *NS 90.1 2.5 kW (v), 590', DA

94.5 KHTQ
FM spokane • coeur d' alene 9

QUÉBEC:

St-Georges-de-Beauce: CHJM 99.7 CC (ex CIRO-FM), FC to French Hot AC
 Trois-Pistoles: CIBM2 104.9 PG> 183 w.
 Trois-Pistoles: CJFP4 ?? wants PG< 42 w.

SASKATCHEWAN:

Saskatoon: CKOM102.1 CC (ex CHSN), FC to gold-based AC "NTR"

PIRATE WATCH:

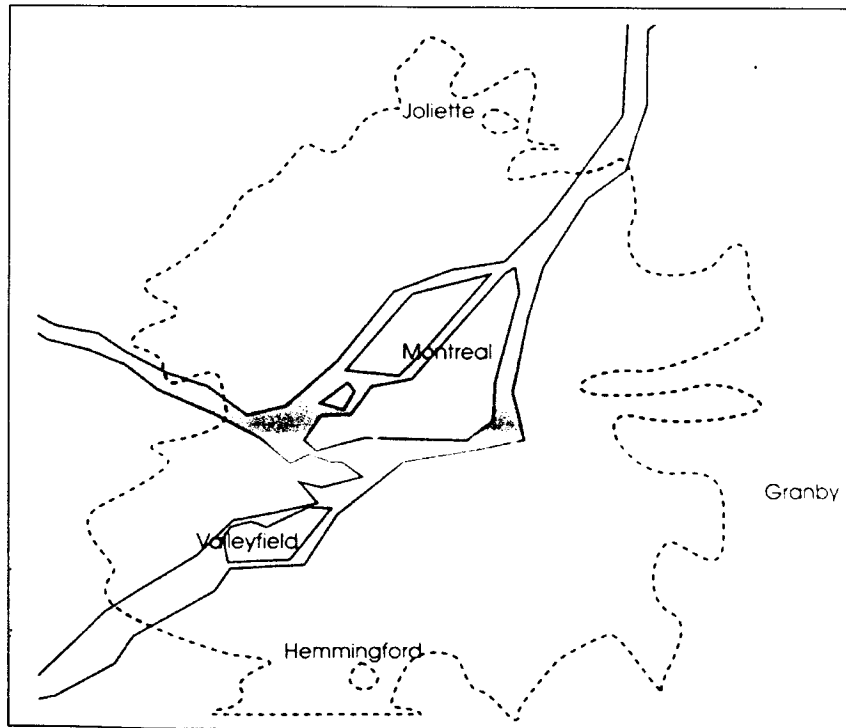
- **PITTSBURGH, PA.** The FCC, with cooperation from the FBI, closed down Mark Lange's "Radio Carson", which operated on 91.7.
- If you are an FM station that stays silent for too long, eventually the FCC will catch up to you. This month the Commission canceled licenses for KAGJ 89.5 Ephraim, Utah (Snow College), and KYDZ 90.1 Cody, Wyoming (Park County)

School District #6). Both stations had not broadcasted for twelve consecutive months.

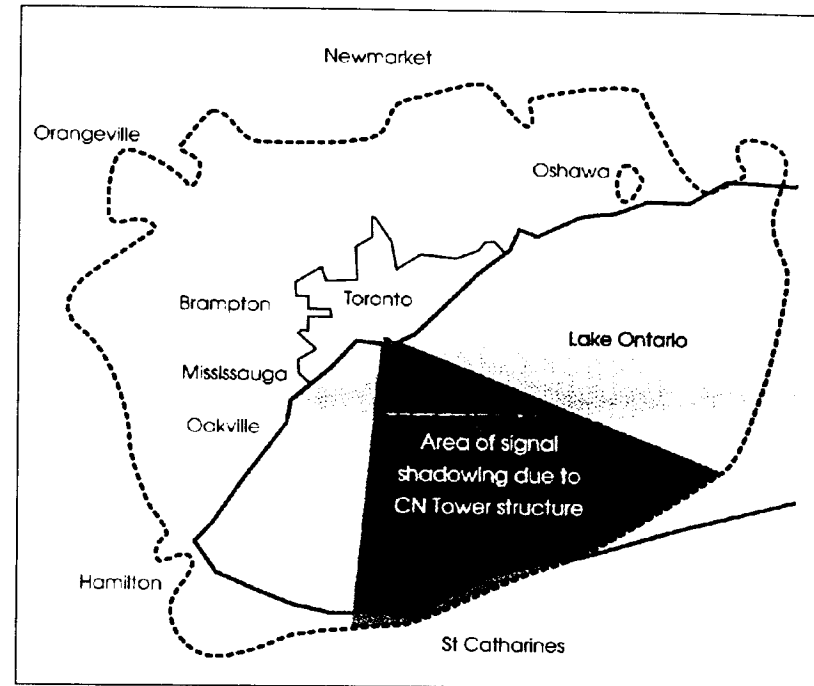
- Thanks to Jeff Kitsko, and M Street, for the information on the 91.7 pirate in Pittsburgh. Jeff also mentions that WDRV 96.1 is burying their legal ID among background noise, and that "The River" can be heard on the web at <http://www.bendermornings.com/happy.html>
- Saul Chernos was kind enough to send along the July 1998 edition of *RADIO EXTRA "Canada's Newsletter on Digital Audio Broadcasting"*. The publication contains frequencies and stations allocated to the new band in Vancouver, Montréal, and Toronto, which has appeared in earlier FM NEWS columns. What this also has, however, is expected coverage maps for the stations! I have scanned them in and they appear below

HAPPY HOLIDAYS! Greg

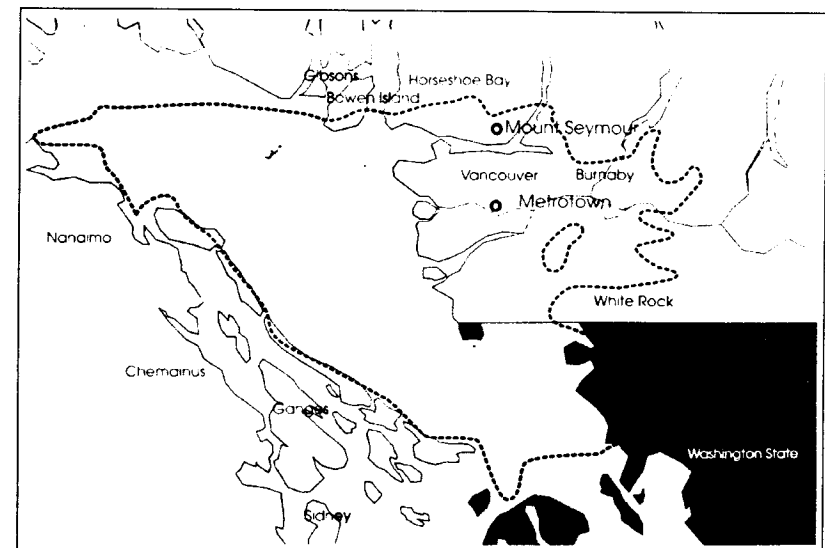
MONTREAL



TORONTO



VANCOUVER



NEW STATIONS ON THE AIR OR REQUESTING OPERATING LICENSE

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CT	28+	1.26		W28CA	Bridgeport	41-09-58	73-13-03
IA	43z	36.9		K43FB	Des Moines	41-35-21	93-32-17
NC	30-	1820	539	WRAY-TV	Wilson	35-49-53	78-08-50
ND	46z	9.52		K46DY	Bismarck	46-49-38	100-46-28
NM	25n	1.23		K25FI	Mora	35-57-39	105-21-13
OH	40-	4170	174	WLMB	Toledo	41-44-41	84-01-06
TX	69n	6.34		K69FW	Clear Lake	29-35-36	95-03-13
TX	57n	7.50		K57FE	McAllen	26-15-23	98-13-43
UT	39n	12.2		K39DH	Ogden	41-09-57	112-00-52
WY	44n	1.02		K44FA	Evanston	41-21-04	110-53-50

STATIONS DELETED/DISMISSED/OFF AIR/ETC.

St.	Call	St.	Call	St.	Call	St.	Call	St.	Call
IA	K80AW	MO	K63FY	MS	W69DY	NE	K62FC	TX	K35EU
KS	KWCV [33]	MS	W58CV	ND	K41EK	TX	K30DN	TX	K40EX

K59GC Plainview. TX was not seen during a visit to that city.

CALL CHANGES

Was:	Now:	City:	Ch	Was:	Now:	City:	Ch
WSIT-LP	WKRP-LP	Washington, DC	42	W17AI	WDEM-LP	Columbus, OH	27
W32BM	WDMA-LP	Columbus, GA	32	WWLF-TV	WOLF-TV	Hazleton, PA	56
W53BR	WDTA-LP	Columbus, GA	53	WWLF-DT	WOLF-DT	Hazleton, PA	9
RAWJ	KSCC	Hutchinson, KS	*36	WOLF-TV	WSWB	Scranton, PA	38
K65FV	KFAM-LP	Crowley, LA	65	WOLF-DT	WSWB-DT	Scranton, PA	31
KCWB	KCWE	Kansas City, MO	29	K07UP	KCPO-LP	Sioux Falls, SD	7
W12CS	WPRQ-LP	Clarksdale, MS	12	KAI0	KTLM	R Gde. C, TX	40
K32AP	KCSI-LP	Windsor, ND	32	"Trans-Guide"	K54FA	San Antonio, TX	54
W18AL	WNDR-LP	Syracuse, NY	18	NEW	WFXS	Wittenberg, WI	55
W60BY	WMBO-LP	Syracuse, NY	60	WKRP-TV	WLPX-TV	Charleston, WV	29

The DTV call changes in Pennsylvania are assumed. This is the first time a call change has been granted to a NTSC station after its DTV permit was applied for.

PROGRAMMING CHANGES

Call:	Location:	Programming:
W15AZ	Alabaster, AL	sold to Birmingham religious school.
KJOI-LP [33]	Bakersfield, CA	VCC shopping.
K32EQ	Fresno, CA	new, Al (America One); VCC shopping overnight. IDing as KMCF-LP which may be legal calls.
K20CS	Porterville, CA	Knowledge TV; PSN shopping overnight.
WBSV-TV [62]	Venice, FL	Sold to Univision.
K59FM	Iowa Falls, IA	from CNN Headline News to TV Land.
KNIN [9]	Caldwell, ID	drops WB, now UPN only.
K17ED	Payette, ID	new, 3ABN.
K65FV	Crowley, LA	relays KAJN-LP [40] Lafayette.
WKBD [50]	Detroit, MI	drops Fox Kids, now UPN only.
W68CH	Detroit, MI	AIN, some local urban programs.
WADL [38]	Mt. Clemens, MI	adds Fox Kids.
W11CF	Whitehall, MI	Outdoor Channel.
K45CA	C. Girardeau, MO	sold to WTCT [27], religious.
KMTF [10]	Helena, MT	Fox? (saw "Fox 10 Helena" on .sig line of Boise engineer)
KTEL-LP [15]	Albuquerque, NM	Telemundo.
K17DD	Albuquerque, NM	3ABN. (not KCHF [11])
KAZQ [32]	Albuquerque, NM	INSP religion.
K45DL	Albuquerque, NM	VCC. (not religion)
K48AM	Albuquerque, NM	Spanish, sometimes parallel KLUZ [41, Univision] but not 100%.
K59DB	Albuquerque, NM	Spanish music videos, continuous ID "KDBTV59 VIDEOS".
K50DY	Des Moines, NM	translator of KCIT [14], Fox/UPN.

PROGRAMMING CHANGES

Call:	Location:	Programming:
W51BA	Syracuse, NY	new, WPCB [40] (religion).
W23BP	Watertown, NY	PIN home shopping.
WBOZ-LP [34]	Watertown, NY	from Sci-Fi Channel to Bloomberg.
W39CG	Cincinnati, OH	America's Store (HSS).
WLMB [40]	Toledo, OH	new, Pax.
K42CC	Sioux Falls, SD	noted with test pattern.
KBNW-LP [44]	Sioux Falls, SD	noted with test pattern.
K53EG	Sioux Falls, SD	IDing as "KSCB", religious.
XHMTA [11]	Matamoros, TM	from Azteca 7 to Azteca 13 (XHDF)
XHOR [14]	Matamoros, TM	from Azteca 13 to Azteca 7 (XHMT)
K35CG	Bovina, TX	translator of KCIT [14], Fox/UPN.
K25CQ	Childress, TX	translator of KCIT [14], Fox/UPN.
K57FE	McAllen, TX	new, "Praise TV" videos.
K44DA	Plainview, TX	Telemundo. (not KJTV)
K60BW	Quitague, TX	translator of KCIT [14], Fox/UPN.
W48BI	Richmond, VA	sold to ValueVision.

OTHER STUFF & FORUM

Thanks to Bill Eckburg, Victor Frank, Frank Aden, Dennis Smith, John Ebeling, Fernando Garcia, Pat Dyer, Jeff Kadet, and Keith Smith for information appearing elsewhere in this month's column. Note the "fake calls" for the new Fox LPTVs in the Youngstown, Ohio market. (William Hepburn's ETVDX report, page 48 of the November VUD) W62BT is signing "WYFX", and W40AM as "WLFX". These call changes are not official. (at least not yet)

Fernando is seeing two new stations with unID color bars. He believes the one on channel 62 to be Ciudad Hidalgo, and the one on channel 64 to be from Sabinas Hidalgo. Both towns are in Nuevo Leon - the latter about 250km south of Laredo, Texas. (I can't find Ciudad Hidalgo on my map)

Jeff Kadet wondered why he'd never seen K80AW Dubuque, still listed in the FCC database. He emailed KWWL [7], K80AW's primary, and got an answer from their VP of Engineering Jim Ohmstede. Ohmstede wrote: "In 1979 KWWL and KCRG needed to relocate the receive/transmitting tower (I presume the translator tower-ds) and replace some very undependable equipment. It was determined that continued operation of the translators provided very little benefit and translator operation for both stations was discontinued." No translators of KCRG are listed in the FCC database. It looks like the FCC forgot to remove K80AW. Jeff also says new KFPX [39] is a pest on channel 45 at his location - K44AB Keokuk, Iowa picks up K38AB, and also puts out KFPX one channel up.

Dennis Smith has a bunch of good California LPTV info this month. He's also noting KADY [63] Ventura carrying news broadcasts produced by KEYT [3]. All "Key News" shows, whether airing on channel 3 or channel 63, are also simulcast on KEYT Radio, 1250AM. (formerly KTMS) On a similar vein, Dennis saw promotions for KJEO [47] newscasts airing on KGMC [43] Clovis/Fresno. Finally, on this subject, KSBY [6] has been promoting its news as available on 87.7 FM. Actually, all channel 6 TV stations can be heard on 87.75FM, if your radio will tune that low.

I visited New Mexico in mid-November. Don't move to Albuquerque if you enjoy VHF/UHF DX; the city is in a deep valley - and is surrounded by strong locals. I think I saw more local TV signals there than I do in Chicago! In Hobbs, KHFT [29] was not seen. KASY [50] is on cable there, and the KASY ID reads "Albuquerque - Hobbs" (they most certainly don't cover both cities with one transmitter!) but doesn't include the KHFT calls. On the other hand, I heard an ad for KASY on a Hobbs radio station, and it mentioned "UHF channel 29". By the way, KASA [2]'s radio ads in cities outside Albuquerque also include a brief voice-over of the local UHF (translator) and cable channels. I saw a mystery KOAT [7] translator somewhere around channel 58.

John Ebeling sent an item about the possible shutdown of the Grand Marais, Minnesota translators. (K63BI/K65BJ/K67CT) I hope to have room to use it next month.

Table with columns: FNAME, LNAME, LOCATION, TOTAL, UHF, LPTV, ES, MS, AU, USA, DC+, CN, MX, FO, TP, YB, AS, OF, UPDATE. Lists various stations and their broadcast statistics.

FM STATISTICS AS OF: 11/15

STATES STATS

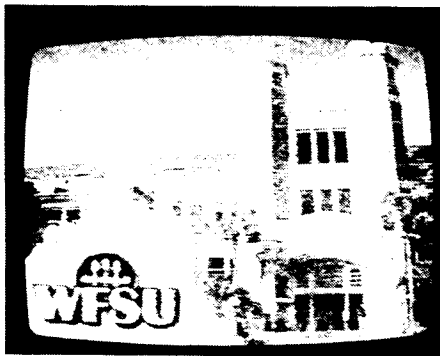
Table showing FM statistics for various states (USA, CANADA, MEXICO) with columns for PU, #, DXER, #, DXER. Includes sub-sections for USA, CANADA, and MEXICO.

Table showing TV statistics for various states (USA, CANADA, MEXICO, FOREIGN) with columns for PU, #, DXER, #, DXER. Includes sub-sections for USA, CANADA, MEXICO, and FOREIGN.

ABOVE STATS REPRESENT MOST NO. OF STATIONS FOR EACH POLITICAL UNIT (PU) FROM A SPECIFIED DXER LOCATION. FIRST AND SECOND PLACE DXERS ARE LISTED ONLY. * OTHERS THAT ARE TIED FOR SECOND ARE: MI: FME- RI: MBU- DC: DOE- NF: FNC- PEI: DOE- & JFE- BAHAM: FMO- ZAC(ZA): JZ- ... SORRY TO SEE FOLLOWING FORMER MEMBERS DROPPED: MATT SITTEL/DOUG ALLEN/GIL MORGAN/KEN SIMON/TIM MCVEY/RUSS BROWN. ZAC(ZA)* 1 KPU- 1 DSM1

Table showing FM STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES and TV STATES STATS-DXER INITIALS/LOCATION/GRID COORDINATES. Includes columns for INIT, DXER NAME, DXER LOCATION, LAT, NO., LONGEST, DEG, MIN, DEG, MIN.

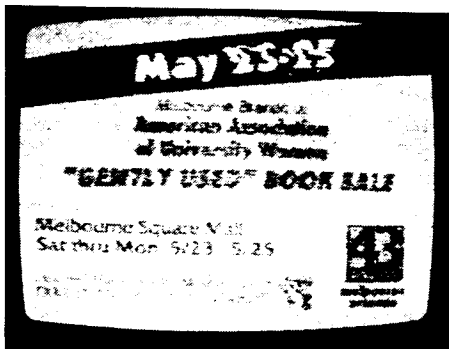
The last of Danny's photos from the month-long May opening (Danny Oglethorpe, Shreveport, LA):



WFSG-56 Panama City, FL
502 mi Tr seen 5/22/98
@2359 CT
"/WFSU-11"



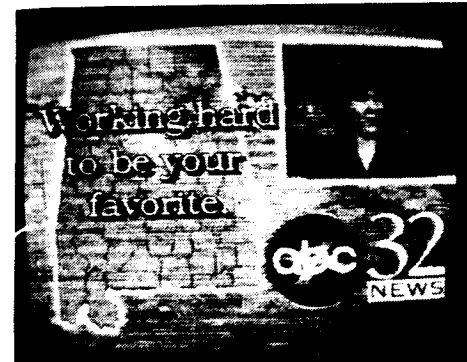
XHOR-14 Matamoros, TAM
503 mi Tr seen 5/22/98
"floating over KETH-14"



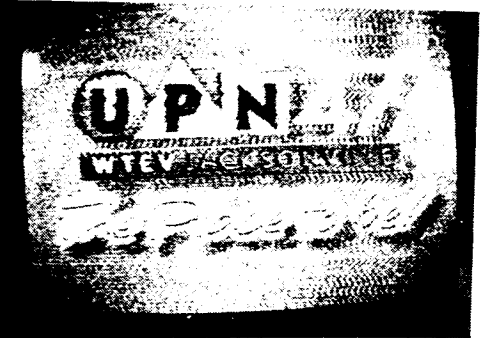
WBSF-43 Melbourne, FL
840 mi Tr seen 5/23/98
@0025 CT



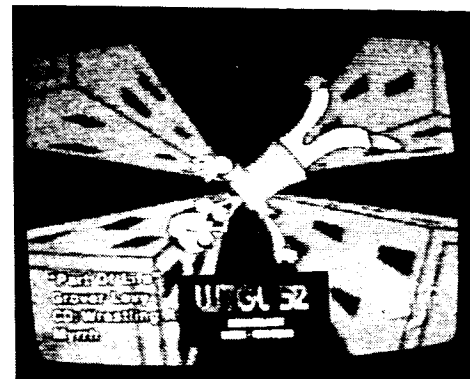
WFTX-36 Cape Coral, FL
818 mi Tr seen 5/23/98
@0230 CT



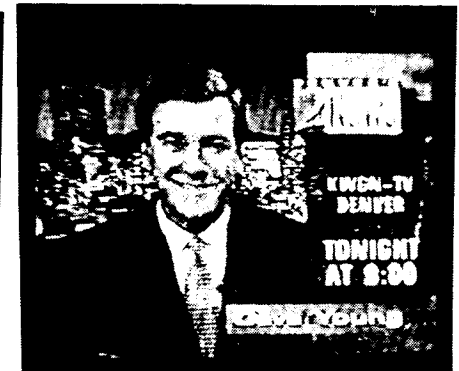
WFOA-32 Montgomery, AL
436 mi Tr seen 5/22/98
@0500 CT



WTEV-47 Jacksonville, FL
728 mi Tr seen 5/23/98
@0345 CT
"The Place to be!"



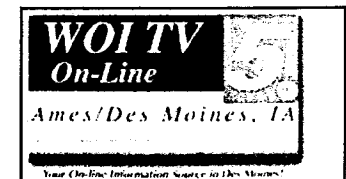
WTGL-52 Cocoa, FL
826 mi Tr seen 5/23/98
@0030 CT



KWGN-2 Denver, CO
806 mi Es seen 5/6/98
@1100 CT

Merry Dxmas to all!

JFK



NORTHERN FM DX

DECEMBER 1998

DEADLINE: The 5th of the month before publication
LOG CUTOFF: 4 months from postmark
COLUMN REPORTING AREA: See map to the right
 (also includes Europe & Asia)

EDITOR: GREG CONIGLIO
 90 SLATE CREEK DRIVE APT. #3
 CHEEKTOWAGA, NEW YORK 14227
 E-MAIL: coniglio@localnet.com
 WEB: <http://www.geocities.com/~wgrc>



A few more reports from this summer's e-skip, and the fall tropo. The autumn started out interestingly, with some good Tr openings, but conditions have leveled off lately. Still, some interesting conditions reported by several reporters this month. Thanks to all of you who supported NORTHERN FM DX in 1998. I look forward to hearing from all of you again in 1999, and maybe hear from some new reporters next year, as well.

HAPPY HOLIDAYS!

WELCOME NEW REPORTER!

STAN WEISBACK - 411 E. SINTO #203 - SPOKANE, WASHINGTON 99202
 Equipment: Ford Probe Radio, GE Superradio II

JUNE 1998 DX

29 ES
 1915 KTHQ 92.5 AZ Eagar, k
 1940 KZUA 92.1 AZ Holbrook, "Z-92", ads for
 Holbrook and Show Low
 2016 KRST 92.3 NM Albuquerque, k
 2025 KFMR? 95.1 AZ Family Radio prog.
 2030 KWKY 94.9 NM Aztec, "Quick Radio"

SEPTEMBER 1998 DX

30 TR or GW
 1630 KQRK 92.3 MT Ronan, "The Q"
OCTOBER 1998 DX
12 GW
 1614 KULE 92.3 WA Ephrata, "Coulee
 Country", new freq., may still be testing

Hello! I'm glad you extended the deadline for summer reports because it finally convinced me to send in a report on the only FM Es I've ever received in this area in almost 30 years of trying. A couple of my co-workers told me of a DX opening after-the-fact back in about 1994 which made me more determined to hear one. I used to have a co-worker with a large TV antenna about 25 miles out of town and saw TV Es with him (AZ, NV & CA on Ch.3, KPHO-AZ on Ch.5) about ten years ago until he moved into town. With local Chs. 2, 4, & 6 here (in fact I worked at KXLY-4 at the time) TV Es is very tough here. Times are in Eastern Daylight Time. I normally get groundwave (or perhaps tropo) from the stronger stations in-between the locals. Tri-cities (Pasco, Kennewick, & Richland), Walla Walla, Pullman in WA, Lewiston & Moscow in Idaho are in more or less than not. We generally have very low humidity here which I understand inhibits tropo, unfortunately. I think I met you at the Atlanta WTFDA Convention last year (yes, I was there - grc), Greg. I wish I could have made it to the Rock City Convention this year, especially with all the DX received there, but it was too expensive for me to get there. I was lucky to be able to come to Atlanta last year. I hope you enjoy receiving my report as much as I enjoyed sending it. If I receive any more unusual DX I'll pass it along. (Definitely, Stan. Thanks for reporting, and we look forward to hearing about your second e-skip experience!! - grc)

COMING IN NEXT MONTH'S VUD: THE 1998 SKIP SUMMARY. SEE HOW THIS YEAR RATED IN COMPARISON TO OTHER RECENT SUMMERS!!

NORTHERN FM DX

DECEMBER 1998

DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified, Pioneer SX 650 receiver. Channel Master model 4408 (Stereo Probe 9) at 43 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz. Belden RG-11/u coax feed.
 New loggings are underlined.

SEPTEMBER 1998 DX

26 tropo
 1705 WFMZ 104.9 NC Hertford,
 "Praise-105"+ ID, g\$ 422

27 tropo
 0959 WBHV 103.1 PA State College, "The
 Beaver"+ ID, ex "B-103", r\$ 89
 1004 WRKZ 106.7 PA Hershey, ID+ "The new
 Kat Country", ex "Z-106", k\$ 160

PRaise
 105
WFMZ
104.9FM

Dave

OCTOBER 1998 DX

4 tropo & Groundwave
 0650 WNBQ 92.3 PA Mansfield, "The Buzz"+ ID
 // WNB 104.5, rp\$ 71
 0900 W282AC 104.3 NY Dansville, WCOU 88.3
 ID, g\$ 54
 1000 WJQZ 103.5 NY Wellsville, "Z-103.5"+
 call, o\$ (sate), ex "103-JQZ" & AC
 29
 1200 WBKT 95.3 NY Norwich, ID+"Big
 Kat Country", k\$ 153

17 tropo
 1000 WSGY 97.7 PA Somerset, "Froggy-98"
 + ID, k\$ 141

RICH GALLISON - 136 DYER RD - ATKINSON, MAINE 04426

JUNE 22, 1998 DX

0846 KRNA 94.1 IA Iowa City, call letters
 0855 WVPE 88.1 IN Elkhart, "88.1 WVPE"
 0900 WGLT 89.1 IL Normal, calls
 0900 WBNL 89.1 IN Fort Wayne, calls, NPR
 0901 unID 89.3 NPR
 0917 WHMS 97.5 IL Champaign "Lite Rock
 97.5 it's 8:17"
 0927 WYMG 100.5 IL Jacksonville, calls
 0934 WAZY 96.5 IN Lafayette, calls & traffic
 0937 unID 98.7 ?? "Cool FM", also on AM
 but I didn't get the frequency



(All stations heard in \$tereo) Been awhile since I last reported, about 4 or 5 years? FM dial is really getting cluttered around here, mostly country and religious stations. Sure wish WDME 103.1 would go QRT so I could hear new WZRQ 102.9, good rock station. Thank God for 107.7 WMDI and 93.9 WCYI (I really liked WCYY/WCYI on my trips to Maine - grc) Greg, why does Northern FM-DX banner have two Massachusetts (MA) and no Maine (ME) ??? (Well MA is twice as important as ME ha ha! Just kidding, I never noticed that! It should be cleared up now - grc) Best Wishes to all FM/TV DXers, Richard WA2CIQ (Rich, great to hear from you again! Hope to get another report soon! - grc)



EASTERN TV DX

December, 1998

Russell Miller
HC 61, Box 86B
N. Amity, ME 04471-9622
email address - estvdx@ainop.com

LOCAL TIME UNLESS OTHERWISE NOTED

Dave Nieman, Ho Sta Geh Rd, Rock City, NY 14749

Equipment: Teknika 6510 tuner into a Quasar 25" TV (MFG. 1977) plus an ICOM IC-R7000 TV receiver adapter. Channel Master 3617VHF antenna at 15 feet AGL, on a Radio Shack rotor, Belden RG-6 coax feed into a Winegard FT-7600 FM trap (set to trap 95.7 MHz) and winegard DA-205 distribution amp. antennacrart P-7 UHF antenna at 36 feet AGL on an alliance HD-73 rotor, Winegard PA-4975 preamp and Belden RG-aa/u coax feed.

All underlined loggings are new. Teknika for VHF and ICOM receiver for UHF reception.

October, 1998

17 Tr	0220	CHLF13	17 ON	270
	0230	<u>W15BH</u>	15 NY Buffalo	63
		(WNYB-26)		
	0300	WYDO	14 NC	450
	0900	<u>CHRO</u>	43 ON	273
	0930	<u>CITY3</u>	65 ON	264

This has been it for reception on the weekends for October down here. The new translator for WNYB (26) Jamestown, NY gets out well; it should be seen by many. Dave

Harry J. Hayes, 9 Henry St, Wilkes-Barre, PA 18702

Equipment: VHF: Ch. 2 and 5 switchable Quad loop, Radio Shack amp. UHF: 6ft. screened dish w/RDX Labs UA-901 amp. in attic and Zenith Sentry II, 1991 model

September, 1998

03 Tr	0030	WGBS	57 PA Philadelphia	100
		"UPN-57"		
16 Tr	2230	WUTR	20 NY Utica, strong	150
	2239	<u>WNY5</u>	43 NY Syracuse	135
	2315	<u>WWTI</u>	50 NY Watertown	200
		strong		
17 Tr	0009	WUHF	31 NY Rochester	180
	0009	<u>CIVO</u>	30 PQ Hull	290
		fair at times, FF		
	0040	CFMTTV2	60 ON Ottawa	280
		local ads		
	2240	WPMT	43 PA York	110

October, 1998

24 Es	2050	unIDs	2-4
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September 16 and 17, without doubt the highlight of this reporting period. 1998 is kind of a letdown year for tropo, no really distant openings like in other years. The October 24 Es is only the third time in 29 years that I've seen that mode of Dx in that month.

Roy Barstow, P.O.Box 2488, Teaticket, MA 02536

October, 1998

18 Tr	0800	WTKR	3 VA	455
	0810	WVEC	13 VA	455
		WTVD	11 NC	591
		WUNP	36 NC	533
	0830	WUNJ	39 NS	660
		WYDO	14 NC	562
		WPDE	15 SC	688
		WNCN	17 NC	592
		W20AT	20 NC	533
		WCNC	36 NC	698
		W19BM	19 VA	450
		WRAZ	50 NC	600
	0900	W34AX	34 NC	550
		WRAY	30 NC	565
		W18BS	18 VA	450
		W24BI	24 VA	450
		WUNCT	9 NC	565
		WITN	7 NC	565
	0930	WSFX	26 NC	660
		WUNU	31 NC	592
		W45BG	45 VA	456
		WLFL	22 NC	600
	1100	WEBA	14 SC	827
	1105	WCES	20 GA T	
		PM Like Above +		
	2000	WJWB	17 FL	990
		WAWS	30 FL	990

Russell Miller, Amity, Maine 04471

October, 1998

12 Tr	1844	<u>WVBI</u>	27 NY	284
	1932	W14CK	14 VT	
		Video 27 UPN WWBI & Ch.14 Jay Peak		
	1948	CHCH	67 ON Severn Falls	
	2000	WNPI(?)	18 NY	355
		ID w/ WPBS (Watertown)		
13 Tr	1900	MD, VA, PA, NJ, etc		
18 Tr	0800	WVBT	43 VA	753
		WHRO	15 VA	
	0856	WHSP	65 NJ	
	0900	WNJU	47 NJ	

WESTERN TV-DX

December 1998

Welcome to a New Reporter:

Paul Mitschler, 1906 All American Road, Hanover, KS 66945; 785 337-2287 email Ldendron@msn.com

Equipment: Channel Master 1162 antenna @ 18', CM 0100 amp, and LXI 13" receiver.

August 1998 tropo

20 0805	KRSC	35 OK Claremore	CDT
	KHBS	40 AR Ft. Smith	
	KGLBT	44 OK Okmulgee	
0821	KOZK	21 MO Springfield	
	KPOM	24 AR Ft. Smith	
2120	KDNL	30 MO St. Louis	
	WICS	20 IL Springfield	
	KOZJ	26 MO Joplin	
	WRSPt	55 IL Springfield	
2148	WXIN	59 IN Indianapolis	
	KNLJ	25 MO Jefferson City	
	WICD	15 IL Champaign	
	WLKY	32 KY Louisville	
	WHSlt	46 IL East St. Louis	
	WTVP	47 IL Peoria	
		52 carrying WKYT-27	
	KMIZ	17 MO Columbia	
	KSPR	30 MO Springfield	
		55 carrying TNT scrambled	
28 0730	K56FC	56 NE Grand Island	
30 1000	KCLJ	46	
	1056 KSNF	16 MO Joplin	
	KHBS	40 AR Ft. Smith	
31 1000	KCLJ	46 (also on 67)	
	44, 50, 52, 54, 59, 63, 65	All cable scrambled channels	
		57 with TLC not scrambled	
	K68DK	68 KS Overland Park	

September 1998 tropo

02 0710	KSNF	16 MO Joplin
	KCDK	21 KS Dodge City
	KFAA	51 AR Rodgers AR
03 0847	KOCR	28 IA Cedar Rapids
	KCWB	29 MO Kansas City
	KHBS	40 AR Fort Smith
	K61GC	61 KS Wichita
04 0800	KWNB	6 NE Hayes Center
	KHGI	13 NE Kearney
0807	K53EY	53 NE Omaha
	K56FC	56 NE Grand Island
	K58	Warner Brothers
	K60AK	60 IA Clarinda
07 0559	KMGH	7 CO Denver (snow free)
	KRMA	6 CO Denver
	KCEC	50 CO Denver Spanish
	KRMTt	41 CO Denver Religious
	KWHDt	53 CO Castle Rock Telethon

K48AJ	48 CO Idalia (KCNC-4)
K46AD	46 CO Idalia (KWGN-2)
KPXC	59 CO Denver
KWGN	2 CO Denver
KSNK	8 KS Oberlin McCook NBC
K63?	carrying Spanish programming
0630	KLWY 27 WY Cheyenne FOX
	KKTUT 33 WY Cheyenne
	K66? and K69? test pattern no id
	KGWN 5 WY Cheyenne
0656	KUSA 9 CO Denver
	KKTU 11 CO Colorado Springs
	KTVD 20 CO Denver
0709	KXRMt 21 CO Colorado Springs
0738	KRDO 13 CO Colorado Springs
	KBDI 12 CO Broomfield
	KFCT 22 CO Ft. Collins
11 0445	K61GC 61 KS Wichita
	K64BS 64 KS Concordia (carrying KMBC 9)
	K17CI 17 NE Beatrice
	K15CN 15 KS Salina
0509	K14HKT 14 KS Great Bend
	K21AP 21 KS Topeka
	K22CP 22 KS Salina
0530	KMEG 14 IA Souix City
	K30BP 30 NE Norfolk
	K55FL 55 IA Spencer
0537	K30CO 30 IA Storm Lake
0845	WHWC 28 MN Winomi PBS
	KSMN 20 MN Worthington
	KXLT 47 MN Rochester
	WLAX 25 WI La Crosse
	WEUX 48 WI Chippewa Falls
16 0746	KRSC 35 OK Claremore
0820	KGLB 44 OK Okmulgee
	KWHB 47 OK Bartelsville
25 0758	WOL 5 IA Ames
	KTAJ 16 MO St. Joseph
0822	KUSD 2 SD Vermillion
	KSMN 20 MN Worthington
	K25AA 25 IA Rock Rapids (Iowa PBS)
0839	KTIN 21 IA Ft. Dodge
	KYIN 24 IA Mason City
	K22CX 22 NE Lincoln
29 0636	K56FC 56 NE Grand Island
	KCAU 9 IA Sioux City
30 0834	All Kansas City UHF snowfree
	35 and 48 show Value Vision

October 1998 tropo

01 1638	KSPR	33 MO Springfield
	KWHB	47 OK Tulsa
	KRSC	35 OK Claremore
	KOZJ	26 MO Joplin
	KNLJ	25 MO Jefferson City
1700	KOZK	21 MO Springfield

Western TV DX Paul Mitschler's report cont'd

KSNF	16	MO	Joplin	
KDEB	27	MO	Springfield	
1744 KOAM	7	KS	Pittsburg	
KODE	12	MO	Joplin	
1929 KCLJ	46			
KFAA	51	AR	Rogers	
2022 K20CT	20	AR	Springdale	
K52DH	52	MO	Springfield	
K48?	Value Vision E			SE

This is my first report since relocating to Kansas. I have been amazed at the cochannel signals on the UHF band here. During the next few days I plan to put up my screened dish with rotor. It was great to see so much tropo from Colorado on Labor Day.

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805)687-7803

This report is for October 1998. There has been some change in the weather from summer to fall-winter conditions, but in between weather fronts, there was temporary return to stable air layering for some fair TV-FM coastal tropo between Santa Barbara and San Diego/Tijuana, up to 200 mi/320 km. Monitoring as usual was on indoor TV equipment and car radio FM.

- 01-4am: None (After none the day before)
- 04 eve: Poor
- 05 am: Fair (Some inland warming & Santa Ana winds)
- 05 eve: None (Coastal warming; layers blown away)
- 06 am: Very poor (UHF only; no VHF-TV or FM)
- 06 eve: Poor (air layers return, "summer pattern")
- 07: Fair coast cooling to mild, hot inland
- 08: Good
- 09: Poor (Cooling inland; unsettled--some layer instability)
- 12: Fair (out of town 10,11)
- 13: Poor
- 14: Very poor
- 15: None
- 16 am: Very poor
- 16 eve: Poor (except SDiego UHF good; no Tijuana UHF)
- 17 am: None
- 17 eve: Fair (Return to stable air layering)
- 18 am: Poor
- 18 eve: Fair
- 19 am: Fair (Moderate warming inland)
- 19 eve: Good
- 20-21 am: Good
- 21 eve: Very Good
- 22-24 am: Fair, deteriorating
- 24 eve: Poor (Stability ending; a little rain with Autumn/)
- 25-26: None Winter weather front; overall cooling
- 27-28 am: Poor
- 28 eve: Fair
- 29-31 am: Variably none to very poor
- 31 eve: Fair

While in Wasco Oct. 10-12, a new Channel 32 was seen Oct. 10: KMCF-LP Fresno, AI network, overnight VCC. Approx 80-100 miles. This is number 190 in my weatherbeaten reconstructed Wasco TV log. Best of DX to All. Dennis

William Eckberg, 1032 Sterling Rd., Dixon, IL 61021

October 1998 tropo		CDT/CST
09 2200 WUNF	33 NC	558
10 2220 WLFQ	68 VA	487
	2230 WYMT	57 KY 449
	2300 WKPI	22 KY Pikeville 461
11 0025 WVGW	59 WV Lewisburg	542
	0130 KTXH	20 TX 893
	0140 KXLN	45 TX 919
	0230 KARD	14 LA 651
11 0245 KXNE	19 NE	402
	0305 WOIO	19 OH 401
	0315 WGMB	44 LA Baton Rouge 784
	0435 KPOM	24 AR 513
	KVTJ	48 AR Jonesboro 409
	0830 WLFQ	68 VA 487
	WYMT	57 KY 449
24 0235 WUNF	33 NC	558
	0335 WYMT	57 KY 449
28 0600 KDSD	16 SD	509
	0610 KDLV	56 SD Sioux Falls 383
	0625 KSAX	42 MN 404
	0700 K42CC	42 SD Sioux Falls 383
	K44CW	44 SD Sioux Falls 383
	0740 K59FM	59 IA Iowa Falls 201
	0745 KSCB-LP	53 SD Sioux Falls 383
	0810 K57GN	57 IA Iowa Falls 201
29 0230 WYMT	57 KY	449
31 0135 KHNE	29 NE	464

Help was received on two mysteries. Minneapolis 9 on ch. 51 was 1.8 kW Jackson, MN. Fox programming on ch. 67 in Lima, OH was 19.5 kW WOHL-LP.

Interesting DX was seen in the early AM of October 11. Forty-five minutes centered on 0130 brought tropo to the east. (WV 542 mi), south (Rosenberg 919 mi), and west (norfolk 402 mi). DX was in for ten hours. A large stagnant air mass was centered over the central and southern US. Lewisburg WV was in for hours, and snowfree late. Houston UHFs were in 45 minutes with Spanish-speaking ch. 45 watchable.

Asheville 33 is seen more since their power increase, tower height increase, and polarization shift. WUNF-33 is seen late testing with their familiar UNC logo. An excellent early AM beacon station.

Mid AM on a rainy October 28 brought six new stations to the west. The new ch. 46, sat. of Mitchell SD-5, was snowfree from Sioux Falls. Surprised to see Sioux Falls 42 and 44 C/B very weakly for an hour. Power is 880 Watts and tower height is 141' for the former and 680 Watts and 118' for the latter. The ID KCSB was seen on ch. 53. K53EG in Sioux Falls is owned by Siouxland Christian Broadcasting. Which is their call? Much info on SD TV was found in CAble and TV

Western TV DX Wm Eckberg's report concludes

Factbook. Iowa Falls 59 is TV land and 57 appears to be a movie channel. No IDs as they are wireless. Other previously seen Iowa Falls channels were in.

Fernando Garcia, San Salvador 415, Rincon de la Sierra 67181 Cd Guadalupe, NL, MEXICO
Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60'.

1800' ASL, No re-logs in the same month, only tropo 500+ miles.

October 1		CDT
0345 KADN	15 LA Lafayette	586
October 3		
0800 KETK	56 TX Jacksonville	532
	KXTX	39 TX Dallas 518
	KDXTX	58 TX Dallas 518
October 4		
0700 KFWD	52 TX Fort Worth	522
2200 KPXD	68 TX Arlington	518
October 6		
0630 K57FE	57 TX McAllen	130
Continuous calls and city upper right. PRAISE TV at this time		
October 9		
0745 WUPL	54 LA Slidell	705
	WLAE	32 LA New Orleans 694
	WNOL	38 LA New Orleans 694
	WLTX	38 GA Columbus 1036
narrow duct into GA o/u WNOL		
0800 WGNO	26 LA New Orleans	694
	WPXL	49 LA New Orleans 688
0815 WPMI	15 AL Mobile	838
0830 KLPB	24 LA Lafayette	567
0845 WMAH	19 MS Biloxi	770
	WHNO	20 LA New Orleans 688
	WPAN	53 FL Fort Walton B. 869
0915 WMGJ	41 GA Macon	1115
	WVLA	33 LA Baton Rouge 633
	WLPB	27 LA Baton Rouge 638
0930 WFSG	56 FL Panama City	929
I was lucky to have asked for three free days at work otherwise I would have never known of this morning opening.		
2000 KLAX	31 LA Alexandria	618
	KLPA	25 LA Alexandria 619
\$ and same main audio on SAP, it's new to LPB stations		
2130 WCFT	33 AL Tuscaloosa	924
October 10		
0400 KASN	38 AR Pine Bluff	772
Shop at Home		
0700 KFXX	51 TX Longview	557
	KYPX	42 AR Little Rock 803
0715 KVTH	26 AR Hot Springs	739
0730 K69HD	69 LA Church Point	586
	KLAF-LP	62 LA Opelousas 600
0930 KVHP	29 LA Lake Charles	548
	KLTL	18 LA Lake Charles 548

1630 KTFO	41 OK Tulsa	766
	KWHB	47 OK Tulsa 765
1645 KWMJ	53 OK Tulsa	766
October 11		
0430 KHSX	49 TX Irving	518
	KAMC	28 TX Lubbock 553
	KBZO-LP	51 TX Woodrow UNI 558
strong 28, 51 color		
unid ch 62 continuous Shop at Home, suspect K62DG Lubbock, seen until 10 AM		
0445 KPOM	24 AR Fort Smith ID Bars	783
0500 KSPR	33 MO Springfield	906
	KTVV-LPI	63 AR Hot Springs Shop at Home
	KDEB	27 MO Springfield 905
0600 KCPN-LP	65 TX Amarillo	677
Shop at Home, later UPN 65		
	KPTB	16 TX Lubbock 555
0615 K53FR	53 TX Plainview	599
	KPCB	17 TX Snyder 495
	KGLR-LP	40 TX Lubbock Rel. 553
	K49BY	49 NM Clovis 634
US State #18 via tropo, long time waited for it.		
KRQE-TV ID Bars, programming at 7 AM.		
0645 K47EB	47 TX Lamesa	498
	K41CA	41 TX Kress KFDA-10 611
	K50ED	50 TX McCamey 405
0800 KCIT	14 TX Amarillo	677
FOX, hard to get due to local T band activity.		
	K67EP	67 TX Snyder CBS 495
Great to have this opening to nw TX on weekend		
chs 16, 17, 47, 50, 53 were all with same pr. as KMLM-42 (PTCB) Odessa strong.		
	KCBD	11 TX Lubbock 555
	KLBK	13 TX Lubbock 554
	KTXT	5 TX Lubbock 558
0930 KOZK	21 MO Springfield	906
	KIDT-LP	43 TX Stamford FOX 504
1000 KPFG	43 OK Oklahoma City	706
1030 KWCvt	33 KS Wichita	
color, running rel. program with two phones numbers on screen one for Wichita area and the other for outside.		
1100 KPXE	50 MO Kansas City	982
	KSMO	62 MO Kansas City 986
	KCWB	29 MO Kansas City 973
October 14		
0530 WEIQ	42 AL Mobile	825
	WMPV	21 AL Mobile 842
	WHBR	33 FL Pensacola 838
0545 WMAU	17 MS Bude	697
0600 WXTX	54 GA Columbus	1037
	WXXV	25 MS Gulfport 764
0615 WJSU	40 AL Anniston	992
	WTJP	60 AL Gadsden 998
0645 WFXL	31 GA Albany	1066
o/u DTB signal from KHOU-DT?		
	WGMB	44 LA Baton Rouge 633
0700 K30EM	30 LA Houma HTV	644
	WGIQ	43 AL Louisville 987
	K59DG	59 LA New Orleans TBN 688
1930 KMSS	33 LA Shreveport	615
October 15		
0300 KDAF	33 TX Dallas	518

Western TV DX *F. Garcia's report concludes*

	KTXA	21 TX	Fort Worth	518
0515	KUVN-LP	31 TX	Fort Worth UNI	521
	KLDT	55 TX	Lake Dallas	544
0530	KDFI	27 TX	Dallas	518
0545	KMPX	29 TX	Decatur	537
	KDOR	17 OK	Bartlesville	795
			rare o/T band activity	
0645	KOKH	25 OK	Oklahoma City	703
October 25				
0600	KJTV	34 TX	Lubbock	552
			local out for 30 minutes I noted this one with much better signal than KAMC-28, my local 34 should sign off more often, after all, they just run bars all night.	
October 29				
0800	WAIQ	26 AL	Montgomery	959
	WMCF	45 AL	Montgomery	965
1930	WIAT	42 AL	Birmingham	969
	WHOA	32 AL	Montgomery	928
	WCOV	20 AL	Montgomery	958
	WAPT	16 MS	Jackson	754
			narrow duct, strong.	
2030			unid bars ch 62, o/u KAKW suspect of application for Cd Anahuac, NL 115 miles north.	
2130	WSWS	66 AL	Opelika	1023
October 30				
0115	WIIQ	41 AL	Demopolis	877
0130	WATL	36 GA	Atlanta	1104
	WGNX	46 GA	Atlanta	1104
	WUPA	69 GA	Atlanta	1100
0530	WJSP	28 GA	Columbus	1057
			Local sign on at 5:45	
0600	WJTC	44 FL	Pensacola	842
0615	W50CF	50 AL	Mobile VCC	817
0700	WGBC	30 MS	Meridian	834
2000			unid bars ch 64 Laredo hdn, suspect of application for Sabinas Hidalgo, NL 60 miles n-ne.	
2100	WBHS	50 FL	Tampa	1116
	WTTA	38 FL	St. Petersburg	1116
	WFTX	36 FL	Cape Coral	1142
	WWWB	32 FL	Lakeland	1135
2130	WZVN	26 FL	Naples	1153
			Florida gone by 2230, 26 and 50 pick to color.	

This was the best of the month of October comparing to previous months of October for:

First time to get Missouri and New Mexico.

Best number of days for the month:

Alabama 8

Arkansas 4

Missouri 3

New Mexico: 1, first time ever.

Oklahoma 5

Texas(500+) 17

Other days with opening to at least 500 miles: 5, 12,

13, 17,

23, 24, 26, 31.

73's Fernando

Mike Cherry, VE7SKA, Box 631, Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

November 1998 Es GMT
10 0259 KWGN 2 CO 120°

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

September 1998 tropo CDT
08 0721 WPXO 21 LA continuous ID, upper left 190
23 2225 K19DM 19 LA WBTR off air!
Floating over WMAH 95

October 1998 tropo
02 2123 KAQY 11 LA Color bars, ID on screen 125
11 1005 WNGM 34 GA the Box 515
WATL 36 GA WB 455
1129 WCIQ 7 AL APT ID 375
12 2018 KSNF 16 MO Full ID, "Joplin - Pittsburg" 495
2259 KOED 11 OK OETA ID 480
13 1949 KLRT 16 AR 305
KASN 38 AR 270
14 2207 KSNF 16 MO news, "KSN"
(twice in 2 days?!?) 495
2230 KSBI 52 OK ID on screen 505
16 2154 WTJP 60 AL TBN 390
27 2244 WAWDT 58 FL "Beach TV", Destin ads

November 1998 tropo CST
01 2245 WJSP 28 GA GPTV 390
WLTZ 38 GA "NBC 38" 390

Not much to report. On the two nights I got KSNF-16, hardly anything else was coming in from that area. Strange.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

August 1998 qw UTC
29 0330 WPXO 21 LA Minden 32

September 1998 Es on 1st, tropo rest
01 1528 KGAN 2 IA Cedar Rapids 672
03 0750 KNKS 17 LA Natchitoches/27,55 59
KAIN 55 LA
23 1400 KAQY 11 LA Columbia; ID bars 101

October 1998 tropo on 10th & 14th, Es rest
10 0305 KCRG 9 IA Cedar Rapids 672
0755 KWVW 7 IA Waterloo 702
0810 KYTV 3 MO Springfield, local off 335
0950 WKBT 8 WI Lacrosse; new tropo state 801
14 1535 KMBC 9 MO Kansas City 464
20 1420 unID 2 ON CTV
1429 CBFT1 2 PQ SRC
WGRZ 2 NY Buffalo 1091
1440 unID 4 ON CBC
1443 unID 3 Floater
1533 WJBK 2 MI Detroit 904
1544 CKCO2 2 ON Wiarnton 1103
1720 KTWO 2 WY Casper 996
26 1640 CKPR 2 ON Thunder Bay; TBT 1130
2330 WJBK 2 MI 904

Western TV DX

Victor Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4558

Equipment: 5' screened dish @ 25', 1765' AMSL. HD-73 rotor, Radio Shack preamp, Icom R-7100, TV-R7000.

KION-46 was duplicated in last month's report resulting in a total of 60 instead of 61 stations identified by various means. There were some omissions and are some new ones this month, and a bunch of unIDs.

August-November 98 Audio Only ID
Ch. FreqMHz CALL kW CA City of License km
15 481.73* K15CX 19.9 Chico ABC 283
25 537.2505 KBTU-LP 20.5 Sacramento A1TV 158
53 709.75* KAIL 2510 Fresno UPN 261
59 741.2495 KMSG 1350 Sanger TMD 261
61 753.2494 KPXF 2510 Porterville PAX 338
62 763.75* KGTN-LP 11.7 Placerville TBN 184
* Audio carrier frequency ± 20 kHz

August-November 98 Call Letter Keyer ID Only
15 477.2622 K15CO 9.12 Porterville 338
22 519.2626 K22DD San Jose 53

August-November 98 Misidentified or spurious?
23 525.2400 //KTNC-42 345°
24 531.2642 //KFTL-64 45°
28 555.2526 //K30BI (ID as KBI) 355°

Which brings my total IDs for this summer/fall to 68.

New Zealand Channel 1

The F2-layer MUF between Northern CA and New Zealand has reached greater than 45 MHz on numerous occasions during October and November. A number of radio amateur contacts have, in fact, taken place on the 50 MHz radio amateur band. Mostly this has been weak stuff, not good enough for ID of their audio on 50.750, and I have no reports of anyone getting a picture.

I have abstracted from reports by Bob Magnani, K6QXY, near Sebastopol, CA, of those times when he reported very strong reception of the New Zealand channel 1 video carriers, which are on 45.240 (strongest here), 45.250 (weakest here), and 45.260 MHz. Times and dates are UTC, formatted mmddhhmm.

10080001 ZL video 45.240, 45.260 S9+20dB
10082055 ZL video 45.240, 45.250, 45.260 S9
10252233 ZL video 45.240, 45.250, 45.260 S9
11032056 ZL video 45.240, 45.250, 45.260 vy strg
11072328 ZL video 45.240, 45.250, 45.260 strong

Postscript

Continuing our oft-interrupted comments of Doug Smith's answers to my questions in June 98 VUD.

How about non-broadcast TV?

There doesn't seem to be a huge amount of interest. There have been some reports of radio STLs in the VUD, though I believe that ended up in the now-defunct PSB column. There never was much interest. This stuff is pretty hard to DX because of the narrow beamwidths used, and the intermittent mobile nature of remote truck transmissions. (Sometimes it's hard for us at the stations to receive the remote trucks, even though we know where they are, they're pointing their antennas at us, and our receive antenna is 750' in the air!) Still, it would make for some interesting DXing if someone were to give it a try! Do double-check the regulations first; seems to me the ECPA covers remote pickups, which would mean it's now technically illegal to DX these!

There are additional identifying parts of a TV transmission... (VBI IDs, SAP). Is reception of any one of these alone sufficient?

If it serves to positively identify what you're receiving, yes. You are receiving signals transmitted by the TV station being claimed, and you're receiving them on the same frequency as they're using to broadcast to the general public.

Call letter identification is becoming a thing of the past in all radio services, except the amateur service. We're weird, being so proud of those funny number-letter combinations! Call letters will probably stick around to provide a way for the FCC to keep track of who's where (a key field for their databases), but I would be not at all surprised to see the legal ID regulations dropped for DTV and digital radio stations. Other forms of identification—quite likely, as part of the datastream—will take its place. If we want to keep DXing, we'll have to accept these other methods.

Now is the time to start, before most of the UHF channels are swallowed by digital and high definition TV.

QRM will certainly be getting worse on the UHF band. But in most parts of the country, there's still plenty of open space. I don't think DTV is going to make DXing impossible. I find Fernando Garcia's tentative report of WSB-DT [39] Atlanta especially interesting. Having seen some of these Fernando's UHF DX photos, I have no doubt many of these stations would have yielded a usable digital signal. Of Danny Oglethorpe's E-skip photos in the May VUD, I think KVVU-5 and WTAE-4 would have probably yielded usable DTV signals. And yes, there will be DTV on low-band VHF.

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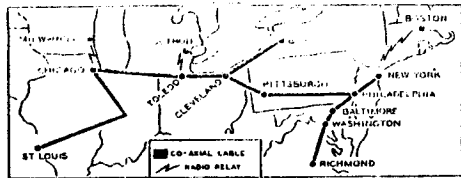
TV - 50 YEARS AGO

(Condensed from an article by Will Balin, Secretary-Treasurer of the Television Broadcasters Association, which appeared in the March 1949 "Radio Electronics" magazine. The demand for TV was amazing. Those lucky enough to live in areas with stations wanted more, everyone else simply WANTED.)

Television ... the wonder baby of 1948...has outgrown its infant britches and is now a gangling adolescent, rampaging across the U. S. Even the highly optimistic prophets, who a year ago predicted this with an air of caution, are surprised by the actuality. Television has thrust its way into virtually every populous section of the country. 46,000,000 are now within reach of television service. By the end of 1949 an additional 25,000,000 will be able to have television.

Television went through many years of struggle and disappointment to achieve the stature of public acceptance.

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Seven cities are now served by co-axial cables. Three more are connected to net by relays.



The Bell System has plans for adding terminations shown on the map above by next year.

Even twelve months ago it was almost wholly confined to a handful of communities. The number of television receivers owned by the public numbered less than 200,000. Only 16 television stations were tossing images from batwing to dipole in January, 1948, and these stations were scattered along the eastern seaboard, in limited areas of the midwest, and in one city of the west coast.

This was the calm before the television storm of 1948. Shortly thereafter, TV manufacturers began to work up steam on their production lines. Receivers, which in 1947 had been moving out of factories into stores at the rate of 10,000 or less a month, suddenly began to stream forward in a steady, unbroken flow.

The steady flow of TV sets became a gusher in January, 1948. In that month alone, 30,000 sets were turned out. By the end of 1948 receivers were coming off production lines at better than 130,000 a month.

At the start of 1949 television programs were being received in 26 of the

nation's leading market areas. At the beginning of the year there were 51 stations on the air and at least 73 more were under construction. A total of well over 100 television stations in the U.S. by the end of this year (1949) is foreseen.

While television stations mushroomed across the country at an incredible rate, another service essential to the commercial well-being of the new industry was keeping pace... the installation of facilities for network telecasting.

The American Telephone and Telegraph Company, which pioneered in network services for radio, has also pioneered in television networking with great success. Two methods of program transmission are available: one the co-axial or concentric cable, and the other the microwave or radio relay.

Fourteen months ago the only network facilities available in the United States extended between New York City and Washington, D.C.. Then, AT&T opened its first radio relay (microwave) link between Boston and New York ... seven towers that beam programs in either direction.

By June, 1948, when the Republican National Convention opened in Philadelphia, AT&T had again extended its network route, opening a coaxial cable between Washington and Richmond, VA.

Another historic milestone was marked in networking when, early in October of 1948, the Bell System made available a network route extending from Buffalo to Cleveland, Toledo, Detroit, Chicago, Milwaukee and St. Louis. Early this year one of the great achievements in the history of television was effected when, on January 11, the AT&T drove another "golden spike" to link the East and the Midwest, Telecasts marking the linking of the above cities to New York, Philadelphia, Boston, Pittsburgh, Baltimore, Washington and Richmond in a 14-city network took place.

Most of the cities on the Eastern-to-Midwestern network are connected by co-axial cable, but three cities are linked by microwave relay. One group of relays connects New York City to Boston; another links Detroit

with Cleveland; and a third interconnects Chicago with Milwaukee.

Before the end of 1950, AT&T plans to provide additional facilities to extend television network service between the following cities: Los Angeles and San Francisco; Milwaukee and Madison; Buffalo and Rochester; Toledo and Dayton, Columbus and Cincinnati; as well as Indianapolis and Louisville.

Other connections include Boston and Providence; New York and New Haven; and links from Philadelphia to Lancaster, York, Reading, Harrisburg, Johnstown, and Pittsburgh along with Akron, Youngstown, and Wilmington.

Until co-axial cable and microwave relay facilities can be extended further, many cities with television service will be dependent upon a third method of connection; the kinescope or *Teletranscription* system. All of the present operating networks (NBC, CBS, ABC, and DuMont) have equipment for recording on film from the face of a cathode-

ray picture tube. These programs are delivered by air or rail to stations not yet linked to the live network microwave or co-axial cable feeds. Among cities using kinescopes are Los Angeles, San Francisco, New Orleans, Atlanta, Memphis, Houston and Seattle.

J. R. Poppele, president of the Television Broadcasters Association forecasts there will be 134 stations on the air by the end of 1949, 235 by the end of 1950, and about 335 by the end of 1951. He predicts the great rural areas of the nation will receive their television programs from transmitters which will tap into the national network links. These stations would not originate local programming, at least initially.

Wayne Coy, chairman of the FCC foresees 1,000 TV stations operating by 1955.

(Note: In addition to the stations listed on the map below, WAGA-TV and WSB-TV (channel 8) in Atlanta, and WTVJ in Miami were also operating at the time this article was published in 1949.)



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