

**VHF-UHF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

MARCH 1978

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Convention '78...

BALTIMORE

LOUISVILLE

NEW ORLEANS

It's Time To Vote!

VHF-UHF DIGEST

the official publication of the WORLDWIDE TV-FM DX ASSOCIATION

MARCH 1978

THIS MONTH



**NEW
FM ATLAS
NOW AVAILABLE!!**

TV GUIDE
OFFICE UPDATE

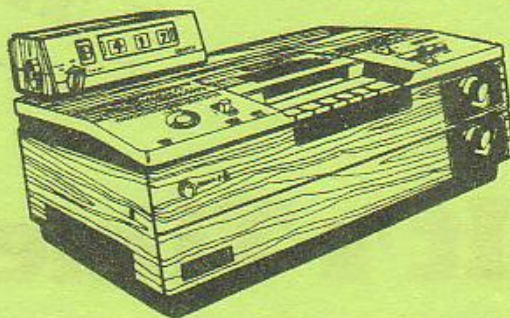
TV GUIDE SPECIAL ISSUE
**FALL
PREVIEW**

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**VTRs
FOR DXERS**



MAILBOX

John Tondlo
6617 Maryland
Hammond, IN 46323
(219) 844-8624
Deadline: 10th

New Members:

John Baumgarten	Route 4	Tomah, WI 54660
Dave Garvey	P.O. Box 1055	Kalamazoo, MI 49005
Christian P. Hansen	St. Joseph's Seminary, Dunwoodie	Yonkers, NY 10704
William K. Hummel	1427 Concord Road	Mechanicsburg, PA 17055
Bob LaFore	12991 SW 252 Terrace	Princeton, FL 33032
Doug Long	5062 Drummond Road	Niagara Falls, ON L2E 6E4
George Matyaszek	3409 N. Avers St.	Chicago, IL 60651

Renewals:

Michael Altanese, Dr. R.B. Ammons, Rolf Blodorn, Bob Cooper, Wayne Covington, Pat Dyer, Richard Eckman, Bruce Goldsen, Neil Grandjean, Dr. Daryl Herzog, Thomas Holmes, Rod Luoma, Clint McAuliffe, Michael McNeely, Eric Schwarz, Larry Vogt, Frank Wheeler.

Rejoins:

Donald Blevins-2 Salix Court-Baltimore, MD 21220
James Herkimer-3255 South Drive-Caledonia, NY 14423
Les Prus-11416 Warren Blvd., #106-Warren, MI 48089

Renewals Due in April:

Robert Baker, Bill Block, Philip Boersma, Andy Bolin, Edward Cotton, John Czarnomski, Richard Eddie, Eric Fader, William Feidt, Jerry Franklin, Robert Conter, William Grant, Roger Gravelle, Michel Guzzi, Harry Hayes, Robert Heckenlively, Hank Holbrook, William Johnson, James L. Lamb, Ron LeBlanc, Robert McGowan, Steve Rich, William Ronecker, Cary Simpson, Peter Skinner, Jim Sokol, Martin Starr, Mahlon Stilwell, William Thompson, Lee Vulgamott, William Welch, David Williams.

Postal employee JOHN BAUMGARTEN is also a member of IRCA. His antenna setup is impressive, with a Winegard CH8100 and an AC 8230 preamp for VHF and a Winegard CH9095 and AC4990 preamp for UHF.

DAVE GARVEY is a private detective who's into TV, BCB, SW, PSB, and FM DXing. He uses an Electrovoice FM receiver and a Heath scanner, and has a 19" Zenith color TV with antenna mounted on a 40' tower.

Remember Paul Mount's get-together, mentioned in the VUD a few months ago? Well, that's where CHRIS HANSEN received information on the club. He's a member of SPEEDX, NASWA, NRC, and ASWLC. His interests include shortwave, BCB, and FM (especially SCA). He has a Scott receiver and an Eico SCA adapter, and rabbit ears antenna.

The DX shack of BOB LAFORE includes a Motorola stereo receiver and a 9 element beam at 45 feet. Bob is an 18 year old student who also belongs to IRCA and ANDEX.

Member Bill Hepburn convinced DOUG LONG to join the club. Doug uses a 10" black and white TV with a built in VHF whip and a home brew UHF antenna. His log stands at 105 stations after 6 months of DXing.

GEORGE MATYASZEK is a PSB DXer, primarily interested in UHF radio. He uses a Bearcat 210 and a Yaesu FR-1015, and learned of the club through Communications World.

Tidbits.....

Charles George informs us that there is a new, all-band, DX club being started in the Oklahoma, Arkansas, Louisiana, Texas area. There's a newsletter and certificates for members. Dues are about \$5, according to Charles. For information, write to Allen Newton, 616-C Arcadia #409, Hurst, TX 76503.

From Vernon Eaton we have word that Channel Master has plenty stacking harnesses available for FM antennas. The harnesses are mentioned in a flyer that comes with their Stereo Probe 9 antenna, but most stores do not have them. If you're interested, have your local dealer contact Channel Master and order stock number 0055. Vernon says they have 165 harnesses at their Ellendale NY warehouse. He's had good results with the stacked antennas, as he's logged 55 of the 65 FM stations in the state of Arkansas.

Good to see Les Prus back in the club! Les has been out of the club for two years, and has moved from Kansas to Michigan. He uses a Heathkit 12" black and white TV without an outdoor antenna. Les' sister, Wanda, designed the mailbox logo for this column.

Well, that's it for this month.....keep those cards and letters coming in folks.....see y'all next month.....jz

NEWS

New Stations Granted

CA Borrego Springs *88.9 10 watts. Schools
CA Dunsuir and Mount Shasta K288BH 105.5 \$
g (translator of KVIP-FM 98.1 Redding CA).
CA Lake Arrowhead 103.9 38 watts horizontal
and vertical; 2541'; 15 mi primary; 28 mi.
secondary coverages.
CA Red Bluff 95.9 280 h,v; 1010'
CA Yreka K292BB 106.3 \$, g (KVIP-FM 98.1) 1010'
CO Rifle K296BB 107.1 (KDIX 93.1 Grand
Junction CO translator; 10 watts); also [2]
serving Anvil Points from 39-32-05; 108-57-
FL Jensen Beach 107.1 3000 h,v; 300'; n; an
initial decision, subject to reversal.
FL Vero Beach 105.5 3000 h,v; 300'; r; also
an initial decision, subject to reversal.
IA Clear Lake 103.1 3000 h,v; 300'; m
IA Forest City 102.3 3000 h,v; 300'; m
IA Sioux City *88.3 10 Morningside College
KS Clay Center 100.9 2900 h,v; 250'; KCLY &
KY Falmouth 95.3 3000 h,v; 300' /ON THE AIR!
LA Alexandria 93.1 100000 h,v; 790'; r
MN Brainerd 106.7 100000 h,v; 448'; m
MN Ely K280AT 103.9 K280AT \$, r (WAKX-FM
98.9 Duluth MN translator); 1, 10 watts
MN Forest Lake 95.9 3000 h,v; 300'; mk
MN Pequot Lakes KTIG 100.1 3000 h,v; 300' gc
MN Peterson (43-47-10; 91-49-16) K257A199.3
\$, U, g (WWIB 103.7 Ladysmith WI), 10 w.
MT Baker K280AQ 103.9 \$, mk (KRCS 93.1
Sturgis SD translator); 1 watt (46-16-30;
104-13-30 for you geographic freaks!).
MT Broadus K249AM 97.7 \$, mk (KRCS 93.1) 1 w
NE Scottsbluff 92.9 100000 h,v; 740'; m
NV North Spring Valley (40-19-22; 114-33-
39) K288BI 105.5 \$, m (KSFI 100.3 Salt
Lake City UT). KSFI new call letters for
KSL-FM, and this change affects all 42
KSFI translators, plus one application for
a new KSFI translator. Keeps \$, m. [Inc.
NM Alamogordo 105.5 3000 h,v; -625' KINN,/
NM Bayard KLCJ 92.7 3000 h,v; 133'; m
OH Ironton W237AC 95.3 \$, g (WEMM 107.9
Huntington WV 1-watt FM translator). A
resurrection of a previous grant that
deleted. Was W237AB. For some strange
reason, FCC did not assign the unused
W237AB call letters (or as they call it
"call sign"), but chose to dub this
outlet "W237AC."
OR Ashland 101.7 3000 h,v; -310'; m
OR Coquille 102.3 3000 h,v; 17'
SD Bison K249AN 97.7 (KRCS 93.1) 1 watt
SD Dupree K249AL 97.7 " " " "
SD Pierre K249AO 97.7 " " " " :
This is the South Dakota's capital's
first local FM! [Ten watts
SD Rapid City K289AR 103.9 (KRCS 93.1); /
TX Andreas 105.5 3000 h,v; 210'
TX Brady 95.3 3000 h,v; 55'
TX Dallas KCHU *90.9 100000 h,v; 790'; in
reorganization; hopes to be on sometime
in 1978
UT Hurricane K269AF 101.7 \$, mc (KDIX)-FM
93.5 St. George UT); 1 network

VA Radford *89.9 10; Radford College
WA Omak KOMM-FM 92.7 3000 h,v; -840'
WA Yakima *91.9 18500 h,v; 920' NW Chi-
cano Radio
WY Dubois K292BA 106.3 (KTAK 93.5 River-
ton WY); \$
WY Newcastle K296BD 107.1 (KOLL)-FM* 93.5
Gillette WY); r 1 w; \$, Y network
WY Sundance K280AS 103.9 (KRCS 93.1
Sturgis SD); \$, mk; 1 watt
BC Canal Flats (NE of Vernon) 120 watts
horizontal; 787'; 11, 38 miles
PQ Dolbeau 93.1 40000 h,v; 404'; CBC.
PQ St-Georges-De-Beauce 96.7 84 h,v; -21'
CBC-CBV (AM) relay. MEXICO:
Chihuahua XHUA 90.1 100000; 600 meters
Ciudad Camargo CH 106.5 50000; 492'
Ciudad Victoria 101.7 100000; 1969'
Ciudad Juarez XHNZ 107.5 100000; 1968'
Ensenada BJ XHAT*-FM* 101.1 50000; 492'
Hermosillo SD XHMV 93.9 100000; 1969'
100.3 50000 492'
Matamoras TA XEEW-FM 97.7 50000; 492'
XHNA 105.9 3000; 295'
Monclova CO 107.1 50000; 492'
Monterrey NL 102.1 100000; 1968' (600 m)
103.7 100000 1969'
XHMF 104.5 100000 1969'
106.1 100000 1969'
XHMN 107.7 50000; 492'; r
Nogales XHSN 106.7 100000; 1968'
Nuevo Laredo XHNM 100.3 4000; 295'
XHNV 102.3 3000; 295'
Piedras Negras CL 102.5 4000; 295'
XHNE 106.3 50000; 492'
Reynosa TA XHRT 95.3 2000; 295'
XHRV 103.3 3000 h,v; 295'
Saltillo CL XHSA 100.9 3000; 295'
San Luis [Rio Colorado] 106.3 50000;
492' in the state of SO.
Tijuana BJ 102.5 400; 164'

On Air and DX Ready (presumed)

AK Nome KICY-FM 100.3 84 h,v; 40'; \$, gm
AZ Prescott KNOT-FM 98.3 3000 h,v; 175'
CA Fallbrook KAVO 107.1 3000 h,v; 300'
CA Indie KCMS 103.1 525 h,v; 628'
CA Monte Rio KRJB 97.7 450 h,v; 780'
CA Pacific Grove KAZU *90.3 10; \$,
variety [h,v; 300'
FL Green Cove Springs WKUE 92.7 3000/
FL Orlando WGAG*-FM* *89.3 10 watts
GA Glennville WKIG 106.3 3000 h,v; 300'
IA Sioux City KWIT *90.3 100000 h,v;
922'; Stereo
KS Derby KDRB 95.9 \$, rock; 3000 h,v;

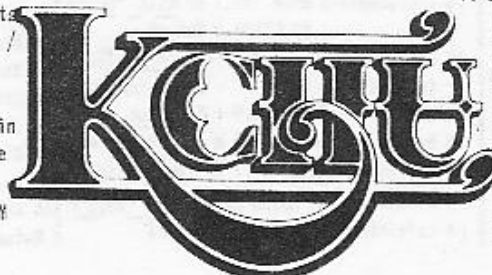
300'; 24 hours, non-ids as "K-96."
KS Dodge City KTLI 93.9 100000 h,v; 566'
KY Greensburg WGRK-FM 103.1 2750 h; 175'; nk
LA Many KWLW 107.1 3000; 300'
LA Sulphur KLOQ 100.9 3000 h,v; 300'; r
NE Monticello WXMN *89.5 10 watts {1080'
NE Presque Isle WNEW *106.1 100000h,v; /
MA Holyoke WCCN *89.5 10 watts
MA Marshfield WATD 95.9 3000 h,v; 245'; n
and variety, monophonic; talking book SCA
MA Pittsfield WTRB *89.5 10; rp
MI Escanaba WFNN 104.7 100000 h,v; 345'; \$,
r; "Fun-104," non-identification used.
MI Monroe WEJY *89.5 10
MI West Branch WGBI 105.5 3000 h,v; 300'; nk
MN Pine City WCMP-FM 92.1 3000 h,v; 290';
\$, k, E; transmitter 11 km n. at Beroun MN
MS Centreville WZZB 104.9 3000 h,v; 300' ks
MO Monett KKBL 95.9 3000 h,v; 270'; m
MO Overland KRSH *90.1 10 — try for this
one, St. Louis-area DXers!
NE Alliance KFAH 92.1 3000 h,v; 300'
NM Aztec KWYK-FM 94.9 30000 h,v; 430', SCA.
NY Attica (Batavia) WBTf 101.7 1250 h,v;
440'; \$ km (75% country); no network
NY Utica WPNR*-FM* *90.7 10; p
NC Fayetteville WFSS *88.1 10
NC Shallotte WDDZ 93.5 3000 h,v; 300'; k
NC Wilmington WLOZ *91.3 10; pr
OK Edmond KOKF *90.9 10
OK Goodwell KPSU *91.7 380; 120'; variety
PA Millersville WIXQ *91.7 10
PA State College WTLR *89.9 100000 h,v; 450'
TX Copperas Cove KOOV 103.1 25000 h,v;
320'; \$, k; E (ABC Entertainment network)
TX Plains KPLN*-FM* *90.7 10
VA Richmond WDCE *90.1 10 watts
WV New Martinsville WKGI 103.9 \$, auto-
mated rock; power changed to 3000 h,v;
300'

On Air With Changes (selected) 300'

AL Muscle Shoals WLAY-FM 105.5 3000 h,v; /
CA Bishop K10Q 100.7 1000 h,v; 2960' (1200'
CA San Francisco KKHI-FM 95.7 8600 h,v; /
FL Boynton Beach WHRS *90.7 (from *91.7);
33500 h,v; 195' [1600; 115'
FL Titusville WP10 *89.3 (from 89.9); /
IL Plano WSPY 107.1 3000 h,v; 300'
KY Jamestown WJRS*-FM* 104.9 2000; 360'
(having moved from 103.1)
MD Baltimore WDJQ 104.3 50000 h,v; 430'
NY New Rochelle WRTN 93.5 2400 h,v; 330';
Stereo, n (oldies)
NC Wilmington WHSL 97.3 100000 h,v; 560'
OK Oklahoma City KKNK 92.5 100000 h,v; 900'
SC Laurens WGLX 100.5 100000 h,v; 760'
WV Bluefield WHAJ 104.5 83000 h,v;
1200'. WV Clarksburg WVHF*-FM* 92.7
620 watts h,v; 670'.

Deletions

MN Blue Earth KBEW-FM 100.9; now it
is "officially" deleted.
NH Nashua WOTW-FM 106.3, but still on
air; interim applications filed, so
doubtful station will leave the air.



FCC-FM

VA Virginia Beach 94.9; an initial decision sent back to FCC hearing.

WA Longview KLVR *90.3

MEXICO, Ciudad Victoria, Tans. XEBJ-FM 92.1.

Facilities Changes Granted

AL Birmingham WQEZ 96.5 100000 h,v; 890'

AR Fort Smith KXXI 100.9 2150 h,v; 360'

CA Carmel KLRB 101.7 800 h,v; 590'

CA Glendale KUIE 101.9 690 h,v; 2780'

CA Los Altos KFJC *89.7 108w; 1390'

CA Mission Viejo KSRB *88.5 600 h,v; 600'

CA Nubieber K276AK 103.1 moves to 95.9;

calls to K240AG. CA Weaverville K276AM

103.1 to 107.1, calls to K296BF.

CO Greeley KGRE to move from 92.3 to 92.5

CT Middlefield *90.5 2500 h,v; 580' ETV.

CT Waterbury WNYZ 92.5 presumably deletes

its use of a directional antenna.

GA Atlanta WREK *91.1 40000 h,v; 340'

GA Savannah WXLM 97.3 adds vertical (v)

GA Rockmart WZOT 107.1 220' (3000 h,v)

GA Waycross WLTE 102.5 510' (100000 h,v)

HI Wailuku KAOI 95.1 50000 h,v (1230')

ID Moscow KUID *91.7 has vertical

IL Bloomington WBHQ 101.5 adds v

IL Crest Hill WCCO 98.3 285' (3000 h,v)

IL Kankakee WBYG 99.9 50000 h,v; 500' DA

IL Winnebago WYFE 95.3 1000 h,v; 510'

IN Gaston WOHHS is apparently *91.1, and

not *90.9; 10 w; r; monophonic.

IA Des Moines KGGG 94.9 285' (100000 h,v)

KY Campbellsville WTCC-FM 103.9 3000 h,v;

300'.

LA Lafayette KSMB 94.5 50000 h,v; (350').

MI Ypsilanti MEMU *89.1 (from 88.1),

16000 watts horizontal only; directional

antenna, sending only 500 watts to the

east where Detroit is, to protect 88.7

in Windsor, Ontario. I calculate the

coverages of this all-jazz stereo station

as 7, 27 miles to the east; 16 miles

primary and 50 miles secondary in the

other directions. 150' above average

terrain.

MN Minneapolis KTIS-FM *98.5 adds v

MN Rochester KNXR 97.5 93000 h,v (620')

MO St. Louis KEZK 102.5 100000 h,v (450')

NE Wayne KTCH-FM 104.9 300' (3000 h,v)

NJ Paterson MPAT-FM 93.1 4000 h,v; 1370'

(reduces coverages to 30, 69 miles)

NY Gouverneur WLUF 92.7 adds v

NY Smithtown WCTO 94.3 280' (3000 h,v)

NC Roanoke Rapids WFGT *90.1 760 h,v; 175'

NC Wilmington WAAV 102.7 100000 h,v; 370'

OH Cleveland WGAL 104.1 7100 h,v; 1080'

OH Wellston WKOV-FM 96.7 adds v, stereo.

OH Youngstown WSRD 101.1 50000 h,v; 125'

OK Oklahoma City KEBC 94.7 100000 h,v; 440'

PA California WVCS *91.9 3000 h,v; -160';

from 10 watts!

PA Erie WLUV 99.9 has v

PA Lock Haven WBPZ-FM 92.1 230' (3000h,v)

PA Oil City WRJS 98.5 310' (3400 h); n; \$

PA Philadelphia W100 102.1 30000 h,v(650')

TN Johnson City WETS *89.5 v; SCA is for

telemetry only.

TX Diboll KSPL-FM 95.5 50000 h,v; 330'

TX El Paso KLOZ 102.1 57000 (h); 1190'

TX Lubbock KLLL-FM 96.3 100000 h,v (540')

VT Springfield WCFR-FM 93.5 260' (3000h,v)

VT Windsor WVPA to be *89.5 1250 h,v;

2160' (not Colchester VT as originally

announced); stereo, cj; to be WVPP.

VA Creke WSVS-FM 104.7 40000 h, 450', but

with an auxiliary transmitter having

5000 h,v; the only station in the world

known to have vertical polarization for

its auxiliary transmitter but not for

its main transmitter.

VA Norfolk WTGM *89.5 23000 h,v; 630'

WA Spokane KREM-FM 92.9 57000 h,v; 2090'

PR Vieques Island WZVS 98.9 (750')50000h,v

BC Fort Fraser CBXR 102.9 1310' (115 h)

BC Crawford Bay 99.5 135 h,v; -479'

NS Halifax 90.5 711' (100000 directional,

h. only) [horizontal]

ON Sault Ste. Marie CHAS 100.5 103' (3600/

PQ Longueuil CIEL 98.5 100000 h,v; 638'

SA La Ronge CBKA 105.9 (from 105.1)

MEXICO, Mexicali XHMMP (XHMMPF) 92.3

18500 h,v; 148'

Monterrey NL XHSRO 92.5 27500 h,v; -201'

Nogales, Son. XHRZ 103.5 1940 h,v (-93')

Tijuana BJ XHTY 94.5 1600; 162'

XHERS 104.5 617' (57255 h,v)

Formats/Networks

AL Mobile WHIL *91.3 rc; E (FL Coral Gab-

AL Troy WTSU *90.1 nc files WVUM *90.5

AR Arkadelphia KSMH *91.1 r/rp

AR Fort Smith KJSR 93.7 A (drops U)

CA Los Angeles KXLU *88.9 pc (FL Pensacola

CA Stanford KZSU *90.1 pj WAJB 107.3

CT Fairfield WSHU *91.1 cp m (not rm)

CT Hamden WQAO *88.3 pj ID Moscow

CO Longmont KCDC *90.7 m (KUGI *89.3p;U

FL Cocoa Beach WRKT 104.1 r (not m); says

they have v, but I talked to a salesman,

so I am not sure whether to believe it!

GA Chatsworth WQMT 99.3 r, \$ (not k)

GA Gainesville WBCX *89.1 cp (IL Lincoln

HI Waipahu KULA 92.3 Mutual (WLNX *91.1

IL Aurora WAUR 107.9 r (was m); r; IL Lock-

IL Bloomington WESN *88.1 pj port WLRA

IL Chicago WZRD *88.3 p (88.1 pr

WBHI *88.5 r signal")

WCYC *88.7 r ("terrible /

WLUP 97.9 rp

IL Decatur WJMU *89.9 pj

IL Greenville WGRN *89.3 mg (from pe)

IL Highland Park WVVX-FM 103.1 mg /

IL Hinsdale WHSD *88.5 E (IN Bates-

IL Monmouth WDRL 97.7 rm ville WRBI

IL Mt. Carmel WVCJ *89.1 pr 103.9 r (not

WYER-FM 94.9 m hr); stereo

IL Rock Island WVIK *91.1 p

IL Summit WARG *88.9 rp; \$

IN Angola WEAX *88.3 pc; was to have come

on the air Jan. 15; 4 pm to midnight.

IN Greencastle WGRE *91.5 U (KS Colby

IN Indianapolis WICR *88.7 pr (KTCC *91.9U

WAJC *104.5 Mutual

IN Lafayette WXUS 93.5 (still on 92.7),

r (was nc) (LA Ruston KLP1

IN Notre Dame WSNB *88.9 1 (89.1 pc

IN Washington WFML \$106.5 m (not k, or nr)

IA Mt. Vernon KRNL *89.7 pj (MD Arnold

KS Hiawatha KNZA 103.9 rm; \$ (WACC *89.9 r

LA Lafayette KTDY 99.9 r (not nr)

ME Springvale WNCY *91.1 pc MA Easton WSHL

MD Annapolis WRNV *89.7 p *91.3 p

MD Hagerstown WMD 104.7 m (not r)

MD Towson WCVT *89.7 U

MD Williamsport WYII 95.9 N (rm

MA Boston WEEI-FM 103.3 "strictly r," not/

MA Brookline WBOS 92.9 " r, " nr

MA Newton WZBC *90.3 pr (MI Ironwood

MA North Andover WMMC *90.5 p (WUPM 106.9 rm,

MA Salem WMMH *91.7 pj (some k; \$.

MA Taunton WRLE 93.3 m (not rm) (MI Midland

MA Worcester WCHC *89.1 r, UA (WUGN 99.7 U

MI Adrian WVAC *88.1 Mutual

MI Alpena WHSB 107.7 Y (from I) no stereo

MI Bloomfield Hills WBFH *88.1 rp

MI Dearborn WNIC 100.3 r (from rm);

still Mutual? (Was WNIC-FM) MS Newton WGOT

MI Kalamazoo WNUK *102.1 cp 106.3 N

MI Niles WAOR 95.3 rp

MI Saginaw WKCO 98.1 k (from kr)

MN Collegeville KJSU *89.1 pj; claims 77

watts (h); 460' for B, 29 miles' coverages,

but with a ten-watt transmitter.

MN Crookston KCOM *91.7 M

MN Minneapolis KFAL *90.3 aj; some s; no \$;

vertical. To be on 16-24 hours daily.

MN Park Rapids KPRM-FM 97.5 mk; N, \$.

MN St. Cloud KCLD-FM 104.7 r (not rm)

MN Thief River Falls KAVS *90.1 kr

MN Virginia WIRN 107.1 mr (NC Davidson

MO Buffalo KBFL *90.3 kr (NDAY *89.9pc

MO Rolla KMNK *89.7 r (not mc) (NC Raleigh

MO St. Charles KCLC *89.1 U (WKNC *88.1 I

MO St. Louis KMMU *90.7 pc P (not P1)

NH Durham WUNH *91.3 A (from Y) (OH Bellaire

NJ Glassboro WGLS *89.7 I (WHR *88.7r

NJ Trenton WBJH 101.5 N; m (OH Berea

NM Albuquerque KIPC *91.5 je (WBWC *88.3A

NM Santa Fe KAFE-FM 97.3 C

NY Binghamton WQYT 98.1 N (from I)

NY Buffalo WWOL-FM 104.1 I (OH Dayton WWSU

NY Henrietta WITR *89.7 pj (88.5 p

NY Oneonta WRHO *89.5 p

WONY *90.9 p

NY Poughkeepsie WVKR *91.3 p (OH Mansfield

NY Rochester WRUR *88.5 pj; S (WCLW-FM 105.3

NY St. Bonaventure WBSU *88.2 p N, OH Ober-

NY Stony Brook WUSB *90.1, U; \$ (lin WQBC

NC Cullowhee WNCU *91.7 rp; M *88.7 I

OH Toledo WAMP *88.3 sr (PA Erie WERG

OH Westerville WOBN *91.5 rp (89.9 pj; A

OH Wooster WWST-FM 104.5 U (PA Hunting-

OH Zanesville WHIZ-FM 102.5 mp (don WKVR

OR Eagle Point KEPO *89.1 r (91.7 p

OR Klamath Falls KJSN 92.5 k (was NBC's

NIS all-news service); monophonic.

OR McMinnville KSLC *90.3 p; M

PA Chambersburg WIKZ 95.1 r (not nr);

"Wick-Zee." PA Easton WJRH *90.5 A

PA East Stroudsburg WESS *90.3 p (PA York

PA Lewisburg WVBV *90.5 p (WVVC *88.1

PA Lincoln University WLIU *88.7 js (rj

PA Montrose WPEL-FM 95.5 S (SC Clemson WSBF

PA Scranton WVNW *91.5 p (89.3 pj

PA Shippensburg WSYC *88.7 p (SC Columbia

PA Swarthmore WSRN *91.5 or (WVNH *89.7 U

PA Wilkes-Barre WBRE-FM 98.5 stays with all-

news, does not go n, no \$, AM (M for sports)

TN Henderson WFHC *91.7 r, no network (was

FCC-FM

TN Knoxville WUOT *91.9 cj
 TN Murfreesboro WNOT *89.5 rc; PI
 TN Sewanee WUTS *91.5 p
 TX Anarillo KGNC-FM 97.9 N (from C)
 TX Austin KUTM-FM *90.7 PM (some E--Paul Harvey news)
 TX Brownwood KOXE 101.5 E (KLSN Brownwood still on 99.3, not yet moving to 104.1)
 TX Floresville KWCB 94.3 kr, monaural
 TX Galveston KUFO 106.5 k (from r)
 TX Gatesville KMCS 98.3 r (not km)
 TX Houston KOUE 102.9 l
 TX Jacksonville KOOI 106.5 m (from k)
 TX Lampasas KLID 99.3 r (not m)
 TX Marshall KMHT-FM 103.9 m; \$
 TX Mineral Wells KMWT 95.9 k (not km)



MINERAL WELLS, TEXAS 76067

TX Plainview KWLD *91.5 pr
 TX Sinton KOUL 103.3 S
 TX Texarkana KTAL-FM 98.1 k (from rk)
 TX Waco KEFC 95.5 l (from E) WV Salem
 UT Roosevelt KUHS *90.9 r WITB *91.1 A
 UT St. George KRDC *90.1 p
 UT Salt Lake City KALL-FM 94.1 nm (from m); plus KALL-FM's many translators
 VA Blacksburg WUVT *90.7 M
 VA Hampden Sydney WWSH *91.7 p; Mutual
 VA Yorktown WYCS *91.5 r
 WV Buckhannon WVNC *89.9 rj
 WI Appleton WAPL-FM 105.7 rp, automated
 WI Ashland WATW-FM 95.9 m VA Harrisonburg
 WI Kenosha WGTD *91.1 nr WMRB *90.7 cr
 WI Oshkosh WNKD 96.7 k (was nj)
 WI Platteville WSPU *90.5 rp, A, "FM-91."
 WI Stevens Point WWSP *89.9 pr
 ON Kitchener CKGL 96.7 adds more k to its schedule, at expense of c music.
 ON Sandy Lake CBQV 101.1 ethnic (Cree Indian language, in addition to CBC "AM" programming.)
 PQ Quebec CHOI 98.1 nm (some c, j)

OFF THE AIR

MN Worthington-Marshall KRSM *91.7

SCA (67 kHz) Activities

AL Prattville WQIM 95.3 adds SCA
 AL Troy WRES 105.7 adds SCA
 AK North Pole KJNP-FM 100.3 adds SCA
 AR Little Rock KEZQ 94.1 Muzak
 KLAZ-FM 98.5 no SCA
 KKYK 103.7 Muzak
 CA Fresno KKDJ 105.9 adds SCA
 CA San Diego KSON-FM 97.3 adds SCA
 CO Denver KCFR *90.1 adds SCA
 GA Waycross WLTE 102.5 adds SCA
 CA Sacramento KERS *90.7 adds SCA
 IL East St. Louis WMRV 101.1 talking book; nj on main channel.
 IL Galesburg WAAG 94.9 adds SCA
 IL Mt. Carmel WVJC *89.1 no SCA (telemetry only). IL Urbana WILL-FM *90.9 changing to talking book with low-frequency telemetry continuing.

(only)

March, 1978

IN Fort Wayne WXKE 103.9 no SCA (telemetry)
 IN Valparaiso WLJE 105.5 " " " "
 IN Jasper WITZ-FM 104.7 no SCA
 IN Madison WCRX-FM 96.7 " "
 KY Lexington WVLC-FM 92.9 Muzak
 NE Presque Isle WNCM *106.1 adds SCA
 MI Detroit WDET *101.9 no SCA
 MI Ironwood WIMI 99.7 sports
 MO Kansas City KXTR 95.5 adds SCA
 MO Rolla KMSM *88.5 adds talking book for the blind, but will keep WWV time reports 6-8 am and 5 pm to midnight local time.
 MT Livingston KYBS 97.7 adds SCA
 OH Lima WIMA-FM 102.1 adds SCA
 OK Clinton 95.3 adds SCA
 PA Pittsburgh KDKA-FM 92.9 (carries KDKA-AM fulltime); "TM."
 TN Nashville WZEZ 92.9 Muzak (also Muzak on WSIX-FM 97.9 Nashville)
 TN Oak Ridge WOKI-FM 100.3 no SCA
 TX Center KLCR 102.3 adds SCA
 VA Roanoke WVMR *89.1 adds SCA
 WV Huntington WKLE-FM 100.5 music
 WI Ladysmith WMIB 103.7 Mutual network

Stereo, to be Stereo, or \$ Resumd

AK Ketchikan KRBD *105.9 has NPR programs

Kfsk 100.9 Mhz.
Narrows Broadcasting Corp.
Box 149 Petersburg, Alaska
99833

AK Petersburg KFSK *100.9; musical variety; has vertical polarization
 AR Little Rock KXXX 95.7; k (was news)
 CA Susanville KSUE-FM 92.7
 CA Turlock KMIX 98.3, r ILL Anna
 FL Key West WIIS 107.1, nc IWRAJ-FM 92.7

WIIS

513 SOUTHARD STREET
 KEY WEST, FLA. 33040

GA Dublin



WQZY
807 bellevue ave.
p. o. box 130
dublin, ga. 31021
phone (912) 272-8896

WQZY 95.9, r
 IL Waukegan WEFA 102.3 m (was nk)
 KY Louisville WJPL *89.3, despite talk format.

LA Shreveport KGOZ 100.1; n
 MA Brockton WCAV 97.7, r (from m)
 MI Bad Axe WLEW-FM 92.1; no longer simulcasts with its affiliated AM station
 MI Spring Arbor WSAE *89.3 is NOT stereo
 NY Buffalo WNED-FM *94.5
 OH Gallipolis WYPC 101.5
 UT Logan KBLW-FM 92.9; has soft rock
 VA Arlington WAVA 105.1 r (from all-news, WAVA-FM) MEXICO: Ciudad Acuna
 WI River Falls WRFW *89.7, cr XHPL 99.7,
 WY Gillette KOLL 93.5 r, Y Wynona XHR?
 WY Sundance K296AV 107.1 r, Y 103.3
 PQ Trois Rivières CFCQ *93.9 a French station on only afternoons and evenings; mainly c.

Non-IDs

MT Billings
 ID Twin Falls KNTW 95.5 K-96 KOYN-FM 93.3
 IN Lafayette WAZY 96.5 2-96 1Y-93 r (not k)
 KY Murray WKNS *91.3 "FM-91," jp
 MI Detroit WCAR-FM 92.3 "Country 92," no S.
 MI Mt. Clemens WBRB-FM 102.7 "EZ-103"
 NJ Newton WJXL 103.7 XL-Country
 NY Rensselaer WQHK-FM 103.9 Q-104, rp
 NY Rochester WWOR 100.5 R-100
 OH Upper Sandusky WYAN 95.9 Y-96 k (was nm)

Multi-City Identifications Granted

DE Bethany Beach WWTB 95.9 adds Millsboro DE
 FL Boca Raton WNOG 99.9 adds Miami FL
 KY Ashland WANX 93.7 adds Huntington WV; r; \$
 SD Sturgis KRCS 93.1 adds Rapid City SD
 TX Sinton-Taft KNCCN 101.3 adds CorpusChristi

Call Letters Assigned

AK Anchorage 100.5 KHVN ("K-Heaven?"); g
 AL Tuscaloosa 92.7 WTUG-FM LA New Orleans
 AZ Parker 99.3 KNDX [*90.7 WMOZ
 AZ Tucson 94.9 KJYK (KAIR-FM)
 AR Benton 107.1 KAKI [105
 AR Conway 105.1 KKLK (KVEE-FM); kr, "Cliff /
 AR Hot Springs 95.7 KSPA (KBHS-FM)
 CA Oxnard 104.7 KACY-FM (KPMJ; still k-105?)
 CA San Clemente 107.9 KWVE (KAPX)"K-Wave"
 CO Boulder 101.7 K269AE (not K269AA)
 CO Castle Rock 92.1 KMJD ME Millinocket
 CO Pueblo 97.9 KCSJ-FM (KDJQ) 97.7 WKJR
 DC Washington 107.3 WRQX (WHAL-FM), rp
 FL Cocoa Beach 104.1 WRKT (WKR "WRKT-FM)
 FL Green Cove Springs 92.7 WKUE (WKKJ)
 FL Macclenny 92.1 WBFK MD Cumber-
 FL Tallahassee 94.9 WLWV (WOMA) land 102.9
 GA Columbus 104.9 WFXE (WNRH) WJSE (WPVM)
 ID Burley 98.3 KSAX (KBAR-FM)
 IL Danville 2102.1 WDNL (WMBJ); r (not nm),
 still CBS? MD Ocean City
 IL Peoria 93.3 WKZW (WMBD-FM) City 99.9
 IN Bloomington 96.7 WBWB WKKH, Stereo
 KS Leavenworth 98.9 KTRD (KCLO-FM); km
 KY Hopkinsville 100.3 WKDA-FM (WKSD) MS
 MI Coldwater 98.5 WNNW (WANG) Eupora 101.7
 MN Grand Marais 105.5 K288BF (not K288BF)
 MN Moorhead 99.9 KVOX-FM (KIDA) WKEA
 MN Silver Bay 107.1 W295AB (not K295AB)
 MN Winona *90.9 KSMR MO Monett
 MS Newton 106.3 WHYQ-FM (WGOT) 95.9 KKBL
 MS Philadelphia 102.3 WWSL
 MO Springfield 107.1 K296AP (not K296A1)
 MT Great Falls 106.3 KGOZ (KOPR) [not KOPR.
 MT Helena 92.7 K244AB translators KGOZ, /
 NE Columbus 101.1 KOZI (KJSK-FM); adds SCA

NE Lincoln *89.5 KZUM
 NJ West Orange *88.9 WOGH
 NM Albuquerque 95.5 KZZX (from KMYR)
 NY Elmira 92.7 WLEZ (WENY-FM)
 NY Glens Falls 95.9 WYLR-FM (WWSG-FM)
 NC High Point 100.3 WGLD-FM (WGLD-FM); m
 OH Celina 94.3 WKKI (WNER)
 OH Chillicothe 94.3 WFCB
 OH Columbus 94.7 WRMZ (WMMI-FM); m (not rm)
 OH Hamilton 96.5 WLWS (WQMS); r (was gm),
 A; non-id: "Stereo 96."
 OH Jefferson *90.9 WCVJ
 BC Alert Bay 105.1 CORY-FM (there is a
 CORY-AM); 77 w horizontal; -166'
 BC Burns Lake 99.1 CBXB-FM 327 h; 1021'
 BC Houston 102.1 CBRV-FM 318 h; 1350'
 BC Smithers 97.5 CBRS-FM 161 h,v; 763'
 BC Vanderhoof 96.7 CBRV 118 h; 95'
 BC Moss 92.9 CBTW 125 h; 1267'; 50-10-10;
 126-34-08; a logging camp on Vancouver Is.

OH Oxford 97.7 WOXY (WOXR)
 OK Oklahoma City 100.5 KATT-FM (KATT)
 PA Hollidaysburg 104.9 WHPA
 PA Mechanicsburg 93.5 WQVE
 RI Providence 94.1 WHJY (WHIM-FM); m
 (from k)
 SC Beaufort *89.9 WERV
 SC Rock Hill *88.9 WPRV (WVPR)
 SD Sioux Falls 93.5 KLYX-FM (KCHF-FM)
 TN Union City 104.9 WALR-FM (WALR)
 TX Abilene 105.1 KEAN-FM (KNIT-FM)
 TX Brownsville 99.5 KRIX; adds SCA,
 (100000 h,v; stereo, rock), 430'.
 NB Fredericton 101.5 CBZ-FM
 NF Baie Verte 97.3 CBTB (seeks 97.1)
 NF Mt. St. Margaret 99.9 CBYM (seeks
 98.7). NF Roddickton 103.9 CBTR " 92.9.
 NS Halifax 100.1 C100 (CJCH-FM)
 ON Peterborough 105.1 CKQM (CKPT-FM)
 ON Waterloo 94.5 CKMS 50 h,v; 112'

TX La Grange 104.9 KMUZ (KVLG-FM)
 TX Lufkin 99.3 KDEY
 UT Cedar City *90.1 KGSU-FM (ACDR-FM)
 UT Richfield 93.7 KF KJMC/VA Covington 100.9
 WA Onak 103.9 K200AP (K100-FM) (KEY-FM)
 WV Morgantown 101.9 WVAQ (WAJR-FM), r;
 "Q-102," not FM-102, as used previously.
 WI Kenosha 95.1 WJZQ (WLIF-FM); to 11000
 h,v; 260'; r. [104.5
 WI Eau Claire WAXX/(WAXX-FM); k (AM goes r)
**WISN-FM bids farewell to "beautiful music" with
 carols on Christmas day and then becomes WLPX and
 switches to rock. (To some people, that's beautiful.)
 The week before, WNUW — one of two remaining
 Milwaukee stations to be playing background sounds
 after WISN-FM dies — will advertise heavily on WISN-
 FM. Its spots will tell listeners to turn from 97 on the
 dial to 99 to find "good music." If they turn too far,
 they'll find "easy listening" competitor WZZW at 103.7.**
 WI Milwaukee 97.3 WLPX (WISN-FM); rp
 PQ Trois Rivieres 100.1 CBF-FM (CBFV)
 UT Salt Lake City 100.3 KSFI (KSL-FM) and
 42 translators for KSFI, not KSL-FM! \$, m

ABBREVIATIONS: Music codes: c classical, g gospel, k country, m middle of the road, p progressive rock, r rock oldies and top hits, s soul. Networks: A ABC-FM, C CBS, E ABC Entertainment, I ABC Information, M Mutual, N NBC, P or NPR National Public Radio, S Associated Press Audio, U United Press Audio, Y ABC Contemporary. \$ is stereo; h horizontal polarization; v vertical polarization. * is an educational station.

FMusings

Continued later on in this column is a wealth of Canadian FM station news, received at deadline. That information should be saved and used with the new FM Atlas, as it came in too late to be published there. The Atlas (1978 edition) is now ready and can be ordered, per instructions on the back cover of this Digest.

SCA has given me much trouble lately, with Minnesota State Services for the Blind stopping the local community schools from letting me teach a course in SCA receiver adaptation, and they have specifically denied me permission to monitor the service over any of the transmitters of Minnesota Public Radio. A similar denial came from the Wisconsin Educational Radio Network. These denials come about as the result of a mis-reading of the new copyright act, which took effect Jan. 1, which grants copyright exemption from "talking book" services that use FM subcarriers that are primarily directed to the blind and physically handicapped. The word "primarily" has been interpreted by the SCA purveyors as meaning "exclusively," and they are out to get every person who is able to tune in their signals, even personnel at FM stations having SCA authorization. Another thing that has happened as the result of my articles on SCA is the removal of the 565 IC circuit from the market—at least from major stores, such as Radio Shack, most electronics distributors, and Olson Electronics has it only sporadically. So buy your 565's while they may still be found!

Mike Dorner wonders if WLSW 103.9 Scottsdale PA has been deleted, saying their license renewal was not granted in 1976. He has not heard KA PB-FM 97.7 Marksville LA in stereo lately, but since he listens to FM mainly in the daytime, it might be stereo evenings. Nick Lombardi sent reprints from the Jan. and Feb. 1978 issues of Audio covering FM antennae and transmission lines. Well-done, but they show no recognition of FM DXing. He believes I should incorporate my "non-IDers" list in the FM Atlas by frequency, rather than in a separate appendix, which I have done! "Hi-Fi" AM station KEX Portland OR is buying KQFM 100.3, which came on the air in 1946 as KGW-FM.

WFBQ 94.7 Indianapolis dropped automated rock and will go live, rock albums. Looking for a new transmitter site in order to go to about 300 feet and change to 92.7 from 93.5 is WZWZ Kokomo IN. The station has its FM antenna side-mounted on one of its AM towers. Steve Rich says, since WZWZ went to Century 21's "Z" rock format, November, 1976, listener response has been great. WVHC *88.7 Hempstead increases its schedule 21 hrs a week, now on 5 pm to 2 am Mon-Fri and 11 am to 2 am Sat and Sun.

Illinois' Dave Walcutt says WMIX-FM 94.1 Mt. Vernon IL is not a non-IDer, giving its six full-legal call letters frequently throughout the hour, and it comes in with local-like quality at 60 miles. He also sent a nice cassette full of programming and IDs of all the Honolulu FM stations, recorded on a recent trip. WBTF 101.7 Attica NY has a strong signal, reportedly, in Buffalo; it's Stereo, k or km.

Vernon Eaton says the new KLVA 95.9 Lake Village AR is on 6 am to 11 p. m., g. KAZU *90.3 Pacific Grove, \$, 10 w, reaches also Pebble Beach, Monterey, Seaside and Marina, says its president.

THE NEW RADIO
 FM STEREO ROCK



WBFO *88.7 Buffalo has a grant to increase power to about 20 kw, but directional and sending only 700 watts toward Canada to get interference to a minimum for channel 6 Paris, Ont. TV. And WNED-FM 94.5 has a grant to go stereo, for this classical public station, which was once commercial.

KRBD 105.9 Ketchikan AK has h, 37 watts, with a ten-watt transmitter, but has put in for a grant for 7 kw, h & v. They have "varied" musical programming. Are noncommercial.

The FCC denies the license renewal of WMJX 96.3 Miami, citing among other things a fraudulent contest held by the station and the airing of phony news accounts in connection with the contest. It is reported the station will appeal. Coincident with this problem is a lowering of the audience ratings for WMJX, according to the "Hall Radio Report." The CRTC is lowering the boom on CKCU 93.1 Ottawa, Ont., for overcommercialization, and gives CKCU only a four-month license renewal, with the possibility of deletion after that time.

Don't let the information on the previous page make you think I am scared of engaging in SCA activity, for I am not, and I will continue to champion the public's right to listen in their homes, regardless of permission received from the originating station or not. A physician in Boston who bought an SCA adapter from me says: "I attached it to my 25-year-old Fisher (tube) stereo; still a very sensitive set and with a simple T antenna it pulled in 33 stations clearly and 9-10 more not so clear, including PRN (Physicians Radio Network), one in Cantonese, and background music on the rest. When I use my roof antenna, God help me! Many thanks and best regards. A new hobby is born!"

Roger Winsor supplied much of the WI-IL-IN station format news as the result of traveling with his car FM. The best Chicago area ten watters for signals are WLTL La Grange and WARG Summit. WCYC 88.7 has a terrible signal, even in the loop. No sign of WLWU 88.7 yet. WRSE 88.7 is rock, but has limited range to the western suburbs. WMCB 95.9 Michigan City now on with v, and a much better signal now against WKKD, but "rotten mr format in mono only."

Rod O'Connor has moved to Adak, AK, from the state of Maine, and he's got much to report: Adak is halfway between Tokyo and Seattle via the airline route, in the Aleutians. The AFR "FM-101" stereo station gets out 10 miles on a car radio with its 250 watts. There may be two FM stations on Shemya Island, in addition to the famed station on 101.8. Rod will report after he finds out for sure. He recently bought an Audiovox FM car radio booster, and he was pleased with how well it worked with his car FM, costing \$10.50. "While driving from Maine to Seattle [my car was shipped from Seattle to Adak] I was impressed with the way it got rid of multipath images, especially in the Rocky Mountains. It didn't eliminate them always, but was quite a help." Before leaving Maine, he took a drive into New Brunswick, and CFBC-FM 98.9 Saint John was making a big promotion of the fact that they were staying on the air, and had a contest, giving away a \$1,000 super - stereo system. They are still m, \$, but their signal leaves much to be desired, only being receivable about 15 miles west of Saint John along Highway 1, the main route to the Maine border.

Doug Everitt sends a disclaimer: "Somehow, the way the blurb on the McIntosh material was worded (Nov. FCC-FM) was such that the careless reader might think that I supported rather than knocked McIntosh. . . Worse, the quote might seem to be mine. . . I've seen a lot of people get 'taken' by Mac's sales practices to be very happy with them. They sell speakers after demoing them with a hidden EQ box, which sells separately. This is apparently not just a local practice, or I might let up on them." Leslie Price says the 100 kw of WPJC 99.9 Burgaw sounds better than the 100 kw of WWSL 97.3 Wilmington, both NC. WPJC has much better sound and modulation. Les would like to see the reinstatement of the FCC-TV column, and so would I! Maybe a new TV station list will not be too far in the future, as the map updates are reported to be ready for publishing, and the translator guide may also be soon ready from the club, reports Frank Aden, Jr., honorable club publisher.

Ralph Strobel reports that the WBST tower dispute is settled, with Ball State winning over local zoning czars. The Muncie IN station will move to *92.1 with 3 kw, 300 feet. WDHS *91.1 (not 90.9) Gaston IN back on the air after a one-year hiatus. Students a year ago were rough on the equipment! WSMJ 99.5 Greenfield IN is a "crazy station! Most of the time while playing music they turn their stereo light off, but just wait until they play an all-talk program such as Lum 'N Abner, and the \$ light comes on. This is a frequent occurrence. They play old-time radio programs and have an all-night talk show. Music format is rm."

A Canadian correspondent says a couple of years ago it was decreed that all Canadian FM stations were to go stereo. If there is such a "rule," I can think of many exceptions, especially by the CBC stations. He says both the CBC and the CKO- stations are poor about giving call letters and local-city identifications.



NEW ADDRESS:

KRBD-FM
SUITE 105
MARINE VIEW PLAZA HOTEL
2415 HEMLOCK STREET
KETCHIKAN, ALASKA 99901
(907) 225-4636

Rainbird Community Broadcasting
box 17
ketchikan, alaska 99901

INCORPORATED CORPORATION

A good discussion of AM stereo can be found in the January, 1978, Stereo Review, concluding with: "In any case, even if it's in stereo, it certainly won't be hi-fi." Neil Zank, Lincoln NE, has finally heard KNCY-FM 97.7 Nebraska City with \$, m. This station was in the FM Atlas for quite some time, but not heard until this fall. KUCV *91.3 Lincoln now \$, with a power increase expected.

The new XHMN 107.7 Monterrey, Mexico, has been heard several times by Rick Samford in TX. But he still gets lower-powered XHPJ better. Rick also noted the antenna articles in Audio (which leave out some big names like Finco), and when he wrote Audio during the summer of '76 about the lack of such articles, "I was sent a reprint of a seven-year-old article which listed models that hadn't been available for five years. . . Perhaps my letter helped them to reappraise this situation." Rick reports KHBR-FM 102.5 Hillsboro TX back on the air with k and mono.

John Ebeling sends some items including a review of the indoor FM "Beam Box" antenna selling for—wow!—\$89.95. This antenna is said to enable a person to tune out multipath interference. Also included was an article on the new KFAI *90.3, a south Minneapolis ten-watter with an operating budget of \$200,000. What a waste for a ten-watter! And a brief write-up on "electronic mail," which will permit data transmission to businesses via facsimilie-type paper and SCA. Digital Broadcasting, a division of TDX Systems, Inc., Vienna VA, will lease SCAs on 50 U. S. FM stations. Lately, some teletype-sounding stuff has been heard on the SCA of WCCO-FM 102.9 Minneapolis, and this is what it may be for. A New Jersey reader installed his first Karkota SCA adapter in his car. "I received my kit the other day and completed it the same day. As you indicated it is straight forward construction and easy to build. I installed it in an old Philco car radio that I had taken out of a 1968 Mercury and it works beautifully. The 67 Khz is obtained from an FM tuner that I had for the radio. I picked up my 12 volts from the radio itself and was able to locate the AF point with no problem. The entire unit fits nicely into the radio and I mummified it [I believe the correct word that I should have used in the original article is "encapsulated"] as you suggested." So he ordered three more units to install in or on other FM radios.

WQYK 99.5 St. Petersburg FL seems to be drifting away from the use of "K-99," as a nonID, and going to "FM-99," says Marv Robbins. KISR 93.7 Fort Smith AR tells an interesting tale about the Fort Chaffee AR translator that was on the air in 1975 for Vietnamese refugees. "Although licensed as a translator, it originated all its own programming through a special waiver from the FCC. Programming consisted of both English and Vietnamese announcers, who taught English to the refugees. In actuality, it was a noncommercial 10-watt station, but there was a problem of who was qualified to be the licensee, so the Commission authorized it as a translator, and then gave it authority to originate all of its own programming. It left the air, as I recall, in late 1975 and is no longer authorized." The 102.3 MHz translator of KUNI *90.9 Cedar Falls IA is installed on the roof of Central High School, Davenport IA, ten watts, and boosting the KUNI signal to 1 million residents of the quad cities. "At present the signal from the translator is good in Davenport and Rock Island, and only fair in Moline, East Moline, and Bettendorf. We're working on improving the signal to those cities," Jennifer Alt, Quad Cities correspondent, said. Iowa's Robert Baker reports KKEZ 94.5 Fort Dodge uses its SCA for slow scan TV of commodity prices, although there is some audio (talking) farm news mixed in. From the KSUI *91.7 Iowa City program guide is a discussion of KSUI's "birdie," an interference that may creep into some stereo receivers when KSUI turns on its SCA for telemetry readings, as happens once each three hours for a minute or two at a time. KSUI at 319-353-5665 stands prepared to report to prospective buyers of an FM receiver which sets may be deficient in that regard. In Eugene OR the U. of Oregon student body is trying to raise money to build a nonprofit FM station; "It's hard to believe that Eugene could end up with 4 non-com. FM stations but it may happen," muses Frank Aden, Jr. A reader in Sun City AZ (of the FM Atlas) enjoys long-distance reception of KUAT *90.5 Tucson AZ, because of its location on 8500-foot Mt. Bigelow—a 132-mi. haul.

Ron Wing reports that KDRB 95.9 Derby KS is \$, automated rock, with a "K-96" non-ID, and they say they are on 24 hours. Mike Holley reports that WUGN 99.7 quit its SCA gospel music programming, now using its SCA only for remote control of its transmitter; still g on main channel. An Italian ham, living in Quebec, Antonio Randaccio, writes of the sorry state of DXing in Italy:

"Years ago it was possible for every DXer in Italy to pick up FM signals on a regular basis from Germany, France, Spain, Switzerland, Yugoslavia, USSR, Norway, Sweden, Denmark, etc. Now, in a 10-month period due to 'free' FM and TV stations which send out the most incredible amounts of harmonics and spurious signals, and due to their large number (there are about 50-100 in Rome alone) and increasing power levels you cannot listen to anything anymore between 50 to 1000 MHz. Why do we have 'free' stations? Because the Italian FCC was not organized properly to stop bootlegging in time, so they liberalized the FM (and AM) broadcasting spectrum, rather than jailing thousands of citizens. Be this a warning to all you FM DX enthusiasts: in Italy it all started with C. B. like it is happening in the U. S. A. Then because of the easiness of putting together stations on different



frequencies, they expanded to other bands and frequencies. They did this because CB channels were getting crowded, or just 'since there is no real harm done'. Soon they were in the ham bands, with the government giving 'communicator' licence (IW prefix), which put CB on the hambands. I hear the same is being planned in the U.S.A. From there to 'free radio' the step was not too long. Your only chance to continue your hobby is a reorganization of a stronger, larger, better-equipped FCC. Do whatever you can with your small magazine to push this matter, or you will end like Italian FM DXers: changing your hobby. I now take beautiful colour photographs; maybe you could also start reading about photography, so when the time will come you will be ready to change your hobby." I dunno; I'm hooked on stamp collecting!

Rich Segalas, San Francisco CA, sent a long article, "The Fight to Save KMPX," from the San Francisco Sunday Examiner, Oct. 23, 1977. It seems like KMPX's big bands format will become lost when a complicated three-way sale deal goes through, involving KCBS-FM, KEAR and KMPX. There has been nothing further heard on this since late summer, so it is possible that the proposed sale did not materialize. Writes Oregon's David J. Wardell, concerning the advisability of having editorial comments in the FM Atlas under "FMusings":

"Personally I cannot see any difficulty in the somewhat small amount of editorial one will find. . . Most of them [editorial comments] are useful in orienting the average reader to what exactly FM is all about. . . Further a little 'FMusing' adds a little spice to the necessary introduction; and creates some interest in what is generally a most inane part of a technical manual." I can report that the "FMusings" will continue to the same length and with perhaps the same controversialness as it has in the past in the newest edition. Now, to more station news, mostly from Canada.

NEW STATION GRANTED
 BC Kelowna 99.1 2000 h,v; 1611'; cm, French; CBOF 99.3 Vancouver BC repeater
DELETIONS [CFGM Ltd.
 ON Richmond Hill (no frequency given) / PQ Baie James 100.5 [see Camp LG3, below]
 PQ Maniwaki CBFL 98.9

FACILITIES CHANGES, FREQUENCY CHANGES OR CALL LETTERS
 AT Banff CJAYFM-1 95.1 1 watt directional 1600'; 4 miles primary; 20 secondary.
 AT Calgary 92.1 CJAY-FM (not CFVP); \$; 74000 h,v; directional; 480'
 Calgary 103.1 CKO-FM5 (not CJAY), news (as is all CKO-formatted stations) 74000 h,v, directional; 480'.
 AT Chateh [58-34-24; 118-40-39] CBXA 103.5 122 directional; 531', h only.
 AT Edmonton CKO-FM6 105.9 64000 h,v, directional; 479' [directional]
 AT Exshaw CBRE 100.7 138 h,v; -1510'
 AT Fox Lake [58-27-49; 114-32-41] CBXK 96.9 148 directional, 138'; no vertical
 AT Jean D'Or CBXH 102.5 52 directional watts; 137', no v [58-29-40; 115-09-00]
 AT Manning CBXM 100.5 13500 h,v; 344'
 AT Peace River CHFA-3 92.5 732 h,v; 296'
 AT Red Deer CBRD 1560 h,v; 409'
 CHFA-2 1560 h,v; 409'
 BC Cache Creek and Ashcroft 95.3 is CFFM-FM6 125 watts directional; -310'
 BC Crawford Bay 99.7 CBTE-FM
 BC Kitimat CBUK 101.1 39 watts directional; -928'; h, v.
 BC Lytton CFFM-FM7 (not CFFM-FM6) 102.3 5 watts directional; 3020'
 BC Vancouver CKO-FM4 39000 h,v, directional; 2260'.
 BC Williams Lake 97.5 C1FM (not CFFM-FM) 176 watts directional; 410'
 BC Moss CBTW 92.9 is directional
 MB Flin Flon 99.9 CKSB-4 (was CBWN)
 MB S. Indian Lake 95.5 CBWQ directional

NB The Pas CBWN 93.7 becomes CKSB-3
 MB Thompson 99.9 CKSB-5 (from CBTF)
 MB Winnipeg CHIQ 94.3 380'; no vertical CKO-FM7 99.1 100000 h,v; 479'
 NB Fredericton-Saint John CBZ-FM \$ 101.5 1219' (100000 watts horizontal)
 NB Moncton CFQM 103.9 859'; 24500 h,v
 NF Argenta CFOZ 100.3 3650 h,v; 520', rock
 NF Baie Verte CBTB from 97.3 to 97.1 5850 h,v; 852' [49-57-34; 56-18-42]
 NF Bonavista CJOZ 92.1 28580 h,v; 672'; r
 NF Corner Brook CKOZ 92.3 30600 h,v; 401'
 NF Fleur de Lys [50-07-15; 56-07-40] CBTC 94.5 84 h,v; 51'; 3 mi primary; 12 sec.
 NF Gander CJOQ 99.9 4000 h,v; 177', r, SCA
 NF Marystown CIOZ 31330 h,v; 639'; rock, "
 NF Mount St. Margaret [51-01-05; 56-48-47] CBYM 98.7 (from 99.9) 10000 h,v; 811'
 NF Port Hope Simpson [52-53-11; 56-19-00] CBNP 105.1 83 h,v; -95'
 NF Portland Creek CBYP 89.5 (from 103.1) 850 h,v; 350' [50-08-41; 57-37-32]
 NF Ramea CBNR 95.5 779 h,v; 221'
 NF Rattling Brook CHOQ 95.9 3430 h,v; 527'
 NF Red Rocks [47-40-26; 59-18-16] CKOQ 96.9 1120 h,v; 424'. NF Roddickton CBTR from 103.9 to 92.9; 2000 h,v; -44'
 NF St. Albans CBNS 99.1 78 h,v; 189'
 NF St. John's CHGZ 93.9 490' (100000 h) CKO-FM11 101.9 100000 h,v; 1194'
 NF Stephenville CFOQ 98.5 4270 h,v; 403'
 NS Church Point CBAC 95.9 51 watts directional; 20'; 1 mi primary; 7 secondary.
 NS Halifax CBHA 90.5 100000 h,v; 711', believed to be directional, but CRTC does not list as such.
 NS Halifax CIOO 100.1 100000 h,v; 367'; \$ CKO-FM9 103.5 [to change its frequency] 100000 h,v; 645' [1194'
 NB Saint John CKO-FM10 99.7 100000 h,v; /
 ON Barrie CHAY 93.1 100000 h,v; 1000'; \$
 ON Belleville CJBQ-FM 97.1 50000 h,v; 159'
 ON Brampton CFNY 102.1 100000 h,v; 259'
 ON Brockville CBOB 100.3 (it does-or will exist!) 100000 h,v; 400'

ON Brockville CBOF-7 102.1 3000 h,v; 300'
 ON Chatham CBEE 95.1 35500 h,v; 562'
 ON Cobourg [no calls or frequency decided] 100000 h,v; 758'; CBC
 Cobourg CFMX (one source says CHUC-FM) 103.1 117000 h,v; 646'
 ON Dryden CBQH 100.9 100000 h,v; 393'
 CKSB-6 102.7 328' (1500 watts); v?
 ON Fort Hope CBCH 101.5 41 h,v; 38'
 ON Hamilton CFMU 93.3 -147' (50 watts, h)
 ON Kenora CKSB-7 93.5 20000 h,v; 328'
 ON London C1XX [no frequency decided] to be 3000 h,v; 125'
 London CBCL 93.5 100000 h,v; 708' CBC-AM
 CKO-FM3 97.5 50000 h,v; 497' [CBC
 99.3 22500 h,v; 708' French/
 100.5 22500 h,v; 708' CBC - \$
 ON Grillia CBGD 105.9 8640 h,v; 497'
 ON Osnaburgh CBQN 104.5 81 h,v; 164'
 ON Ottawa CKO-FM1 has vertical
 ON Penetanguishene 96.5 CJBC-19 (not CJBC-20) 15300 h,v; 551'. ON Penetanguishene CBON 107.5 15300 h,v; 551'
 ON Peterborough CBPM 105.1 50000 h,v; 301'
 CJBK-16 106.3 31000 h,v, directional; 378'
 ON Pickle Lake CBQP 105.1 83 h,v; 137'
 ON Pikangikum CBQU 100.3 34 h,v; 120'
 ON Sandy Lake CBQV 101.1 37 h,v; 125'
 ON Sarnia CBEG 106.3 50000 h,v; 376'
 ON Savant Lake CBQL 104.9 78 h,v; 287'
 ON Sioux Narrows CBQS 95.7 1300 h,v; 134'
 ON Toronto CKO-FM2 99.1 10000 h,v; 860', not directional as indicated previously.
 ON Windsor CBE-FM 89.9 100000 h,v; 538'; \$
 PQ Baie-Comeau CBMI 99.7 3000 h,v; 300'
 PQ Brisay [54-28-43; 70-28-59] CHLG-6 59 watts directional; 305'
 PQ Camp LG3 [53-43-09; 75-59-46] CHLG 100.5 (not 105.5) 31 watts directional; 478'
 PQ Camp LG4 [53-52-06; 73-25-31] CHLG-8? 100.1 99 watts directional; 395'; horizontal only.
 PQ Dolbeau [48-53-08; 72-20-29] 40000 h,v; 404'
 PQ Drummondville 104.3 CBF-FM1 (CFDM) /93.1
 PQ Duplantiere [54-49-45; 69-54-50] CHLG-5 100.1

FCC-FM

36 watts directional (horizontal only); /
 PQ Eastmain CHLG-4 105.1 7 watts directional; 209' [52-14-07; 76-29-05]
 PQ Fernont [52-49-12; 67-05-29] CBMR 105.1
 16 watts h,v; 300'; 4 miles primary; 17.
 PQ Gaspe CJRG 103.1 79 h,v; 311'
 PQ Lac Boyd CHLG-3 7 watts directional;
 260' [52-41-22; 76-39-13]
 PQ Laforge CHLG-7 99.9 59 watts directional;
 84' [54-33-22; 71-11-45]
 PQ La Malbaie CBV-6 805 h,v; -233'
 PQ Lithium Mines 97.3 52000 h; 660'
 PQ Montreal 107.3 CITE-FM (not CITE-2)
 100000 h,v; 367'
 PQ Petite Opinaca [57-22-35; 76-47-01]
 CHLG-2, 49 w directional; 394'
 PQ Quebec CHD1 98.1 has vertical
 CBVE 104.7 100000 h,v; 411' [594]
 PQ Riviere Au Renard CJRE 97.9 58 h,v; /
 PQ Rouyn-Noranda CHLM 96.5 690' (51000 h)
 PQ Saguenay CHOC 92.5 423 h,v; 203'
 PQ Ste. Adele CIME 99.5 500' (50000 h,v)
 PQ Sept Iles CBSE 96.9 15000 h,v; 855'

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PQ Trois Rivières *CFQC 93.9 28800 h,v; /
 SA Pinehouse Lake CBKJ 94.1 86 h,v; 63'
 SA Regina CFMD 92.1 100000 h,v; 445'
 CKO-FNB 94.5 100000 h,v; 384'
 SA Stanley Mission CBK1 95.5 216 h,v; 67'
 NW Spence Bay CBIQ 105.1 82 h,v; 80'
 MORE NON-IDS, sent by Steve Fluker,
 St. Petersburg FL
 88.5 KNTU Denton TX FM-88
 92.9 KFMD Dubuque IA Love Rock
 93.1 WEAS-FM Savannah GA Super 93
 93.7 WQID Biloxi MS Q-94
 94.5 WVLV Daytona Beach FL Love-95
 95.1 WJAX-FM Jacksonville FL Rock-95
 95.5 KZFM Corpus Christi TX K-95
 95.7 WOKF Clearwater FL FM-96
 97.1 WEZB New Orleans LA FM-97
 97.3 WFLM Savannah GA 97-Rock
 97.9 WJNO-FM Palm Beach FL J-98
 98.7 WLOY Fort Pierce FL Y-99
 101.9 KWAS Amarillo TX KL-102
 102.7 WXBW Milton FL X-102
 102.9 WIVY-FM Jacksonville FL Y-103

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103.1 WQUH DeFuniak Springs FL Q-103
 103.5 WSHE Fort Lauderdale FL SHE-103
 104.1 KBFM Edinburg/McAllen TX KB-104
 105.7 WRES Troy AL FM-106
 106.3 WSPB-FM Sarasota FL W-106
 104.1 WRKT Cocoa Beach FL RK-104
 106.7 WKNX Enterprise AL FM-107
 107.3 WJEE Jacksonville FL FM-107
 107.1 WSWF Lehigh Acres FL FM-107
 107.7 WORJ Mt. Dora/Orlando FL FM-107
 99.1 KKKK Odessa TX Quad-K

FORMATS/NETWORK CHANGES

FL Clearwater WOKF 95.7 S (AP Audio) from A
 FL Cocoa Beach WCKS (CK101) r (from rc)
 FL Leesburg WHLY 106.7 p (from gs); uses
 non-id "Y-106."
 FL Sarasota WSPB-FM 106.3 r (from rm)
 FL Tallahassee WGLF 104.1 now uses the
 non-ID "Gulf 104," rather than "Rock-
 104," which it used previously.
 AT Pincher Creek CBRP 97.5 has vertical
 BC Hope CBUE 105.1 has vertical

Contributors this issue:

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 My thanks to all 67 of you, plus thanks to a few anonymous persons I talked to when I called some of the FM stations listed in the small print. Data also received from the FCC's Broadcast Bureau, from the CRTC and from some of the CBC provincial offices, and from the yearbook of the Journal of College Radio. The latter source presented a wealth of program format information on many obscure ten-watt, student-operated FM radio stations. But this column's quest for FM station data never dies, so please check on any of the program format changes listed here to see if they are really true, and take note of any other new developments in your area's FM situation. There was no FCC-FM column last month because it conflicted with my having to get the 1978 FM ATLAS to the printer, so this month's column has represented three months' worth of FM news.

KILR-FM 95.9 Estherville IA, uses both 41 kHz and 67 kHz for SCA transmission of teletype data, with 41 kHz being used by Reuters, Ltd., and 67 kHz by Commodity News Service, reports Barry Huntsinger, manager of KILR-AM-FM. Both services are for the transmission of agricultural information. Also contributing: Ferdinand S. Dombrowski, Jr., Milwaukee WI, Mario A. Lacombe, Charlesbourg PQ.

After six years considering a proposal to regulate cable radio, the FCC decided to do nothing about it. Originally, the FCC sought rules that would require a cable "TV" system that brought in distant radio stations to also carry local stations, AM as well as FM. Perhaps it's good that such a proposal was laid to rest—especially if it meant sending over cable on FM frequencies low-fi AM stations. Instead, cable companies should be asked to improve upon the "allband" technology and stop individual signal processing of a few selected stations, as I point out in the editorial comments at the beginning section of the FM (Paid advertisement)

Atlas and Station Directory. Brazil FM news from Mike Dorner, Jr.: Ribeirao Preto 89.5 R. Alvorada Rio de Janeiro 102.9 R. Cidade do R de J., 1 kw, r Sao Paulo 94.5 "Antena 1," R. America, \$ r & samba Brasilia 96.9 R. Nacional Brasilia, 30 kw, \$, ex106.1 Araraquara 97.3ZYB85 R. Cultura de Araraquara, \$ Brasilia 100.1 R. Transamerica, 20 kw, \$, samba, etc. Aparecida 90.9 ZYB804, affiliate of 620 AM

Above sent to Mike courtesy of Luiz Roberto de Medina, DX Clube do Brasil president. 73, *Brune*



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Now just \$17 wired; \$13 in kit form, postpaid by first class mail from: Bruce Elving, 16 1/2 East Fifth Street, Duluth MN, 55805.

MARCH 1978 TV GUIDE OFFICE UPDATE! NEW EDITOR NEXT MONTH!

This month is a complete list of the TV GUIDE regional offices and their editions. The data was collected from issues for 1977. If any changes are known please write as part of this information will be contained in the new WTFDA STATION GUIDE.

Some of the offices have agreed to supply off-sale issues (out-of-date) to WTFDA members (if copies are available) for only a self-addressed stamped envelope. These envelopes must be the 6½ x 9½ size and one should be sent for each edition requested. Those offices who have not agreed to supply off-sale copies will probably send new copies for the regular price plus a self-addressed stamped envelope.

The envelopes should be marked "second class" postage (magazine rate). Check with your local post office for the current rates. TV GUIDES usually take postage for at least 2 ounces.

The three letter code used to identify the various editions was developed by WTFDA and not TV GUIDE. This code makes it simpler to identify the editions and will be used in the new WTFDA STATION GUIDE.

When ordering off-sale copies it is not wise to ask for a specific date as most offices keep copies for only 2-3 weeks. It is suggested when ordering issues for your possible DX areas that it is done only twice a year. One for the E skip season and for the fall Tropo season.

WTFDA CODE	EDITION	OFFICE	POLICY ON SENDING ISSUES
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SAL	Southern Alabama	1365 Peachtree St. NE	B
NAL	Northern Alabama	Atlanta GA 30309	
NCR	Northern Carolina		
SCR	Southern Carolina		
CTN	Carolina-Tennessee		
NGA	Northern Georgia		
SGA	South Georgia		



WNE	Western New England	Suite 2828, 100 Summer	B
ENE	Eastern New England	Boston MA 02110	
NWH	New Hampshire		
MAI	Maine		

KEN	Kentucky	1014 Vine St.	A ²
COH	Central Ohio	Cincinnati OH 45202	
CND	Cincinnati-Dayton		
EIL	Eastern Illinois		
WIL	Western Illinois		
MEM	Memphis		
NSH	Nashville		
WVA	West Virginia		



GHI	Chicago	401 North Michigan Ave.	B
		Chicago IL 60611	

CVA	Central Virginia	5454 Wisconsin Ave.	B
EVA	Eastern Virginia	Chevy Chase MD 20015	
WBL	Washington-Baltimore		



ARK	Arkansas	820 Two Turtle Creek	A
DFW	Dallas-Ft. Worth	Village	
NTX	North Texas	Dallas TX 75219	
STX	South Texas		
SET	Southeast Texas		
WTX	West Texas		
NME	New Mexico		
OKS	Oklahoma State		

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Rod Luoma-38540 Five Mile Road-Livonia, MI 48152
R.E. Lyons-2864 W. Bay Drive-Largo, FL 33540
Doug Mackey-123 Clark St.-Hillside, NJ 07205
Andrew Mahoney-RR53, Box 400-Terre Haute, IN 47805
J.O. Mallinson-58 Park Ave.-Brantford, ON
W.J. Mansir-P.O. Box 593-Highland, CA 92346
Joseph Markewicz-Box 1503-Hornell Heights, ON POH 1P0
Dean Markoshan-10636 Avenue B-Chicago, IL 60617
Donald D. Marshall-801 4th Ave. N, #103-Great Falls, MT 59401
David Martin-1416 Lansing Ave.-Lansing, MI 48912
Pat Martin-P.O. Box 14192-Portland, OR 97214
Alan Mayer-409 Indiana-Park Forest, IL 60466
Clint McAuliffe-1103 7th St., Apt. 6E-Greeley, CO 80631
Fred McCormack-Box 5221-State University Station-Fargo, ND 58102

Lowell E. McCown-Box 286-Auxier, KY 1800
Henry B. McCoy, Jr.-2024 Shoreline Drive-Dallas, TX 75213
Earl McDonald-415 S. Oxford Ave. #310-Los Angeles, CA 90005
Peter F. McCorty-Marpet Co. of NH-Box 3, Dame Road-Center Tuftinboro, NH 03216
Robert McCowan-Box 255-Burnham, ME 04922
Deane McIntyre-57 Centre St.-Bowmanville, ON L1C 2Y2
George McKay, Jr.-P.O. Box 2100-Pomona, CA 91766
Walter McKean-70 24 Queens Blvd.-Woodside, NY 11377
David McLaren-Route 2, County Line Road-Rock Falls, IL 61071
Michael McPeely-618 Sheridan Road-Evansville, IN 47710
Vic Velis-150 Saylor's Mill Road, RD #1-Spring City, PA 19475
Frank Merrill, Jr.-1560 Brooke Park Drive, Apt. 8-Toledo, OH 43612
Chuck Michaelis-9498 Lancaster Road S.W.-Hebron, OH 43025
Timothy Miller-Box 370-Glen Ellyn, IL 60137
Bill Mitchell, Jr.-316 Finley St.-N. Wilkesboro, NC 28659
Mike Mitock-975 Osborn Ave.-Lorain, OH 44052
Wayne Murphy-1411 Phyllis Ave.-Louisville, KY 40215
Ron Murray-Box 2873-Lancaster, CA 93534
Michael E. Myers-4148 Sheraton Drive-Flint, MI 48504
Charles Mylod-Box 523-Charlottesville, VA 22902
David Nelson-1507 Lamont Court-Chapel Hill, NC 27514
Don Nelson-P.O. Box 201-Ravenna, OH 44266
Kurt Nelson-127 Elm Ave., 2nd floor-Rockledge, PA 19111
William Nicholson-2127 N. Parkside Ave., #8-Los Angeles, CA 90031
K. Hoffsinger-7240 S. County Road 25A-Tipp City, OH 45371
David Nordmann-6612 Villa Ave.-St. Louis, MO 63139
Fred Nordquist-7945 Boxford Road-Clay, NY 13041
Rod O'Connor-USCCG Ironwood (WLB-297)-FPO Seattle, WA 98799 (Adak, AK)
Guy Ogden-9810 Florida Blvd.-Baton Rouge, LA 70815
William H. Oliver-2939 S. Sycamore Ave., Apt. 1-Los Angeles, CA 90016
Gary Olson-1195 S. Wilson Drive-Lake Forest, IL 60045
Peter Oprisko-1932 New York Ave.-Whiting, IN 46394
Denis Orlando-5034 Sylvania Road-Drexel Hill, PA 19026
William C. Palmer-120 Ohio Ave.-Wadsworth, OH 44281
A. Robert Pantazes-809 Burk Court-Ventner, NJ 08406
John Parillo-400 S. Market St.-Girard, OH 44420
Walter Patton-6252 Drolet-Montreal, PQ
Paul Petosky-Box 537-Munising, MI 49862
John S. Phillips-4459 Downing Court-Pleasanton, CA 94566
John Pilger-7738A Nelson Loop-Fort Meade, MD 20755
Ted Pinski-747 Kipling Drive-Toledo, OH 43612
Jari Pitkanen-Kartano 49300-Tavastila, FINLAND
Jim Pizzi-300 Park Ave.-Orcutt, CA 93454
Dave Pomeroy-KTWU-Signal Hill-Topeka, KS 66601
Lee Prescott-802 E. Crockett-Harlingen, TX 78550
Les Price-115 Parkwood Drive-Wilmington, NC 28401
Theodore Quiroz-3805 N. Harding-Fort Worth, TX 76106
R.W. Randall-1516 34th St. N.W.-Washington, DC 20007
Mike Reid-109 Arjay Crescent-Willowdale, ON M2L 1C6
Steve Rich-2117A Stoneham Drive-Indianapolis, IN 46260
L. Donald Richard-2623 Camille Drive N.E.-Atlanta, GA 30319
Marv Robbins-5627 Ashley Oaks Drive, Apt. 33-Tampa, FL 33617
John Robertson-6065 Gardner Line-Croswell, MI 48422
Terry Robinson-Lot 92, Russell Ave.-Woodend, Victoria, AUSTRALIA 3442
Allen Rockford-505 Seeley Road-Syracuse, NY 13224
David Rogers-Box 74-Buffalo, OK 73834
William Ronecker-6925 Woodrow-St. Louis, MO 63121
Dr. Joel Rosenberg-40 Godstone Road, Apt. 909-Willowdale, ON M2J 3C7
Robert Ross-Box 4373, Station C-London, ON
John Ruckert-953 S. Beacon Ave.-Los Angeles, CA 90015
Donald B. Ruland-4448 68th Place-Kenosha, WI 53140
W.T. Ryan-651 Battery St.-Victoria, BC
Roger Sabella-Box 2072-Chicago, IL 60690
Carlos Saenz-2018 Santa Ursula Ave.
Mark Saran-3626 N.E. 45th St.-Seattle, WA 98105
Peter Sawatzky-RR #4-Guelph, ON N1H 6J1
Mike Scheel-4126 Nobis Drive-Davenport, IA 52802
Randy Schnepf-23 Modernaire Trailer Court-Lafayette, IN 97905
Richard Segalas-Box 26254-San Francisco, CA 94126
John Sevier-449 E. 28th St.-Baltimore, MD 21218
Bob Seybold-Bennett Road, RD 2-Dunkirk, NY 14048
Steven Chaffer-10956 Indianapolis Blvd.-Hammond, IN 46326
Bruce Shaw-RD #3, Box 292A-Ligonier, PA 15658
James Shepherd-406 Harwood-Joliet, IL 60431
George Sherman-Box 2224-Minneapolis, MN 55402
Marvin Shults-RR#1-Toulon, IL 61483
Craig Shura-19 Appelby Drive-St. Catharines, ON L2M 3E5
Gary Siegel-2728 106th St.-Toledo, OH 43611
Ken Simon-528 Pilgrim, Apt. 2-West Palm Beach, FL 33405
Craig Simons-413 Ridelle Ave.-Toronto, ON M6B 1K3
Cary Simpson-601 5th St.-Tyrone, PA 16686
Edward R. Sirovy-311 S. Williams St.-Westmont, IL 60559
Peter Skinner-24 Elbridge St.-Worcester, MA 01609
Kevin Slater-1167 Ring St. N.E.-Salem, OR 97303
Kevin Smiley-4554 Saloma Ave.-Sherman Oaks, CA 91403
Andrew Smith-RD3, Box 268-Dillsburg, PA 17019
Joseph Smith, Jr.-196 Ackley Ave.-Johnson City, NY 13790
Lexington Smith-55 East End Ave., Apt. 4C-New York, NY 10028
William R. Smith-Brown Terrace-Uxbridge, MA 01569
Winston Smith-4 Rifle Road-Kingston 2, JAMAICA

Jim Sokol-1319 Spruce St.-Reading, PA 19602
 P. Somerset-644 S. Parish Place-Burbank, CA 91506
 Norman Sorenson-3107 Georgetown-Houston, TX 77005
 Robert Sowinski-Route 5, Box 399-St. Clairsville, OH 43950
 Steve Sprachman-3939 Eve Drive-Seaford, NY 11783
 Brad Stanton-46 Dorset Drive-Canandaigua, NY 14424
 Martin Starr-9010 SW 56th Terrace-Miami, FL 33173
 Robert Stear-92 Pontiac Drive-Rochester, NY 14617
 Richard Stein-456 Barrymore Place-N. Brunswick, NJ 08900
 Richard Steinberger-47 Causeway St.-Hudson, MA 01749
 Mahlon Stillwell-646 Ridgely Ave.-Annapolis, MD 21401
 Eric Strahan-Box 1272-Dania, FL 33004
 Ralph Strobel-2510 E. McGalliard Road-Muncie, IN 47303
 Sheldon J. Swartz-625 Wilmot, #4-West Palm Beach, FL 33405
 Michael Sweeney-4 Prescott Ave.-Dix Hills, NY 11746
 Verrell Tallet-2501 College St.-Plainview, TX 79072
 Peter Taylor-KFOG-900 North Point-San Francisco, CA 94109
 Martin Theil-12 Princeton Drive E.-Holiday, FL 33589
 William Thompson-1907 Seneca St.-Buffalo, NY 14210
 Richard Tidberg-Box 119A, Route 2-Winnebago, IL 61088
 John Timm-N28W6246 Alyce St., Apt. 221-Cedarburg, WI 53012
 Randy Tomer-Box 2674-McKinleyville, CA 95521
 John Topel-Box 550-Lisle, IL 60532
 Paul Traska-64 Weaver Ave.-Buffalo, NY 14206
 Bernd Trutenau-Anton Wattendorf Str. 1-D4430 Steinfurt 2, WEST GERMANY
 William Tudor-27 Griffin Ave.-Hoosick Falls, NY 12090
 Kenneth Van Tassell-Riggs Hall Room 2-C.W. Post Center-Greenvale, NY 11548
 Larry Vehorn-P.O. Box 555-Carmel, IN 46032
 Michael Virtue-Route 3, Box 123 28-Merrill, WI 54452
 Larry Vogt-7724 Harwood Place-Springfield, VA 22152
 Lee Vulgamott-Box 177-Williams, IA 50271
 David Walcutt-Box 1051-Carbondale, IL 62901
 Robert Walker-2220 W. Highway 52A-Westport, KY 40077
 Barry Wallner-331 N. Stevens St.-Orange, CA 92668
 Gary Walsh-503 Van Norman St.-Thunder Bay Sta. P, ON P7A 4E3
 John Walters-RD 3, Acorn Drive-Vincentown, NJ 08083
 Dave Wardell-2104 S.E. 28th Place-Portland, OR 97214
 Paul Wardell-2104 S.E. 28th Place-Portland, OR 97214
 Larry Weil-116 Independence Ave.-N. Babylon, NY 11702
 William Welch-1532 Valley Road-Tallahassee, FL 32301
 Mal Wessot-Chatham Antenna Services-51 Austerlitz St.-Chatham, NY 12037
 Steve West-432 Kenmore Road-Havertown, PA 19083
 Frank Wheeler-6589 Wattsburg Road-Erie, PA 16509
 Jim White-1000 S. Grand Ave.-Waukesha, WI 53186
 John Wierhasz-106 Genevieve St.-Mauston, WI 53948
 Arthur Williams-4521 S. Broadway-Los Angeles, CA 90037
 David M. Williams-305 Lindsley Drive-Morristown, NJ 07960
 David Williams-Box 615, Highway 101-Astoria, OR 97103
 Morgan Williams-3798 Sunset Blvd.-West Columbia, SC 29169
 Robert J. Williams-251 6th Ave. E.-Twin Falls, ID 83301
 Mel Wilson-17 Van Cortland Drive-Pittsford, NY 14534
 Michael Wimer-1939 Morris St.-New Castle, PA 16101
 Ron Wing-705 N. Emporia, Apt. 2-Wichita, KS 67214
 John Winslow-1106 Shasta Drive-Madison, WI 53704
 Roger Winsor-P.O. Box 463-Hobart, IN 46342
 Steven Wiseblood-707 Loma Way-Santa Maria, CA 93454
 Jeff Wolf-1131 University Blvd. N.W., Apt. 701-Silver Spring, MT 20902
 Dr. Richard E. Wood-Dept. of Languages-Plymouth State College-Plymouth, NH 03264
 Tracy Wood-220 S.E. 32nd Ave.-Hillsboro, OR 97123
 Mike Worst-5604 224th St., S.W.-Mountlake Terrace, WA 98043
 Thomas Yeazell-930 Seibel Lane-Cincinnati, OH 45238
 Thomas Yingling-221 Pinewood Road-Dundalk, MD 21222
 Jim Young-Box 576-Wrightwood, CA 92397
 Karen Young-Box 576-Wrightwood, CA 92397
 Neil Zank-2445 E St., Apt. 6-Lincoln, NE 68510
 Robert Zent-1835 Fruit St.-Huntington, IN 46750
 Henry Zikuda-5239 S. Archer Ave.-Chicago, IL 60632
 Charles Zipser-c/o Courtney Lock and Hardware-2242 Jerome Ave.-Bronx, NY 10453
 John Zondlo-6617 Maryland-Hammond, IN 46323

WTFDA CODE	EDITION	OFFICE	POLICY ON SENDING ISSUES
CNY WNY ENY VER	Central New York Western New York Eastern New York Vermont	3255 Brighton-Henrietta Town Line Rd. Rochester NY 14623	A
IDA SLC	Idaho Salt Lake	136 East South Temple Salt Lake City UT 84111	A
NCA SFM	Northern California San Francisco Metro	735 Montgomery St. Suite 200 San Francisco CA 94111	A ³
WNA EWA MON	Western Washington State Eastern Washington State Montana	600 Stewart St. Seattle WA 98101	B
MIC DET	Michigan Detroit	26555 Evergreen Rd. Southfield MI 48076	B
TLO MSL	Toronto-Lake Lake Ontario Montreal- St. Lawrence	124 Merton St. Toronto ONT M4S 2Z2	A ⁴
MAR WON	Maritime Provinces Western Ontario		
AER EBC WBC MSK	Alberta Eastern British Columbia Western British Columbia Manitoba- Saskatchewan	2695 Granville St. Suite 402 Vancouver BC V6H 3H5	B ⁴
CPA PNY	Central Pennsylvania Pennsylvania-New York	301 Wilkes-Barre Center Wilkes-Barre PA 18701	B



OTHER TV GUIDE TYPE MAGAZINES

TBTG	Thunder Bay Guide	837 Ft. William Rd. Box 3074 Thunder Bay ONT P7B 5G5	B ⁴
TVHEE	TV HEBDO Eastern Edition	9393, Ave. Edison	B ⁴
TVHBW	TV HEBDO Western Edition	Montreal PQ H1J 1T5	
TELE GUIA	Puerto Rico	Franco Publications 41-11 150 St. Flushing NY 11353	X
TELE GUIA	Mexico	Mexico City	X



A: Will send off-sale copies if available, for an SASE for each edition requested.
B: Will probably send recent copies for regular price plus SASE for each edition requested.

X: No current information available.

1. The Kansas City Office indicates it can supply other editions at times. 2. Add Evansville-Paducah, EVP. 3. San Francisco Office reports the Los Angeles Edition can be available from them. 4. Canadian magazines should be sent at first class rates.

Continued on page 16.

Cable service dispute simmers on **KTVZ wants protection**

Reprinted from
Feb. 1st, 1978
Bend "Bulletin"

By Mike Francis
Bulletin Staff Writer

A decision from the Federal Communications Commission (FCC) resolving the Central Oregon cable television wrangle is more than three weeks away, according to an FCC staff member in Washington, D.C.

Rodney Joyce of the FCC's Cable television division said it would be at least that long before the FCC rules on KTVZ-Bend's request that area cable television companies block out live network programs and advertising from rival NBC affiliates in Portland and Eugene.

KTVZ has asked Crestview Cable TV Co. in Prineville and Key TV Inc. in Redmond to provide the blackouts, or "non-duplication protection" against KGW (channel 8) in Portland and KVAL (channel 13) in Eugene.

The companies are required to provide the service, or must file a request for a waiver with the FCC. Crestview and Key have filed for waivers, and recently they have been joined with a plea of support for the requests by KGW.

Providing non-duplication protection for KTVZ means that the television companies would have to install equipment which would monitor the signals of all three NBC affiliates received in the area, and black out the distant signals when they were the same as KTVZ's.

If the service were provided, Central Oregon audiences would no longer see live network programming or advertising from Portland or Eugene. Instead, they would see live network programming and local advertising from KTVZ on all three channels.

Bend TV Cable Co. is providing non-duplication protection, but KTVZ is providing the equipment and handling the necessary technical service for the company. To comply with the request for non-duplication protection, Crestview and Key television companies would have to provide the equipment without KTVZ's assistance.

"If KTVZ is so generous, why can't it provide the switching for all of us." asked Chuck Kee, president of Key TV.

Kee said he filed his waiver with the FCC to "buy some time."

The most sophisticated equipment on the market which can monitor and switch the video signal at the proper time will cause an annoying ten-second delay between the distant and local signals according to Kee. That delay would ruin the commercial on both stations. Kee said, so he is unwilling to provide non-duplication protection.

"I'm hoping someone will get going in manufacturing to make a switch which would switch fast enough to provide good service," Kee said. "We should have instantaneous switching capability."

Crestview has an additional complaint with KTVZ's request, said Crestview President Paul Rowan. The quality of the signal from KTVZ is just not good enough to provide non-duplication protection for, he said.

Rowan admitted Madras and Prineville lie within a 55-mile radius of KTVZ, so the station has the legal right to request non-duplication protection, but that a contour of the land between KTVZ in Bend and Crestview in Prineville interferes with the signal.

Rowan attributes at least part of the signal quality problem to technical difficulties at KTVZ. He said during "reliability hasn't been the name of the game" for KTVZ during the station's first few months of operation.

KTVZ General Manager John Larkin has said that there is "sufficient signal strength to provide excellent television pictures to the Prineville area." He has also said that Crestview has no right to take his station off the air.

"They are required by the FCC to carry local station," Larkin has said. "They have no option."

Rowan said "Crestview's receptor station over the mountains is as good as the KTVZ transmitter so we want to keep it in force and operation."

Rowan said he hoped a new transmission route would be used soon to "cut out the extra equipment" a signal currently has to go through to be received in the area. Rowan has said he would be "delighted" to carry KTVZ if he could get a good signal.

Kee said KTVZ can be received in Redmond without the aid of his company. He said a house antenna works just as well.

KTVZ is "using our company to enforce an immoral rule of the FCC's," he said.

"Non-duplication is wrong, morally, with the free, competitive spirit of building a better mousetrap," Kee said. "If they can get their signal on all these stations, they can run a shoddy operation and get away with it."

Kee emphasized that "the name of the game is numbers" for a television station. The more households a television can claim, the higher it can set its advertising rates, he said.

"If I have to provide that immoral kind of protection service," he said, "I want to do it right."

Larkin said KTVZ does not jump to change its advertising rates because of survey results indicating number of households reached. He said the rates were established according to a reasonable estimate of market size when KTVZ began broadcasting last November.

"I really and truly don't have a bone to pick with KTVZ," Kee said. "Its signal comes booming in here. It doesn't in Prineville, so that's a serious problem for them. But you don't shove people around and tell them they've got to do this or that."

Rowan has said he didn't think a new business like KTVZ "has the right to come into an area and start pushing everyone around."

"Our back is against the wall financially," said Kee, who estimated costs in the neighborhood of \$10,000 to provide the non-duplication switching equipment. "We have to do something to compete with the inflation we're up against and also the FCC rulings that give a local broadcaster the authority to tell us we have to prepare for non-duplication."

Continued from page 14.

CCI

MARCH 1978

Unidentified TV DX

Frank Aden, Jr., 1535 NW Ithaca Ave., Bend OR 97701 (1977 unIDs)
Sat Dec 3 ch 3 MS 2353 PST- -Wedge TP with four letter call ending in "0". Suspect
midwest. KTVO and WKZO say it is not them.

Identifications

Roy D. Horsley, June 21st, WJBK has newscaster Robbie Timmons. August 13 "Soul Train" is WJBK at 1230 CDT. From John Robertson.

With this column I have been CCI editor for three years. Now that I am editor-in-chief I must relinquish the column to a new editor. Starting next month William Draeb will be CCI editor. William Draeb is known to many WTFDAers as the former Central TV DX editor and is well qualified to edit CCI. His address is: Ellis St. R.R. #2, Kewaunee, WI 54216.

73 Frank

MEMORABILIA

Robert J. Williams
 251 6th Avenue East
 Twin Falls, Idaho 83301
 Phone: (208) 733-3621
 Deadline: 5th of month

March 1978

This month, MEMORABILIA presents some more of those wonderful old QSLs of yesteryear; sent in by Thomas J. Yingling, Jr. of Baltimore MD. Thank you very much, Tom!


Thank you for your report of reception of WLWC. This confirms your reception at 12:45 AM | Aug 3 1975

TOM YINGLING:
a h. for ... ant

Our visual power is 100 kilowatts.
 aural power is ¹⁰50 kilowatts. Our ant ⁴¹ height above average terrain is 43

Regards,
 ROBERT DYE,
 Chief Engineer,
 WLWC, Columbus.

WLW-C 4
 Columbus, Ohio
 Received Aug. 3, 1975
 (now WCMH-4)



AVCO BROADCASTING CORPORATION
 3165 OLENTANGY RIVER ROAD,
 COLUMBUS, OHIO 43202.

TV 4
 WLWC

To: *Thomas J. Yingling, Jr.*

This Will Verify Your Report Of

Reception O

Time: ^{6:00 pm} *7:45 pm*

Thank: *Ira J. i*

WSVA AM FM TV

HARRISONBURG, VA. ★

550 KC 5000 WATTS 100.7 MC 7200 WATTS Channel 3 100 KW (Eq.)

WSVA-3
 Harrisonburg, Va.
 Received Oct. 15, 1970
 (now WHSV-3)

Keep 'em coming, guys! See y'all in 30. 73s, best DX, *Bob*

PHOTO NEWS

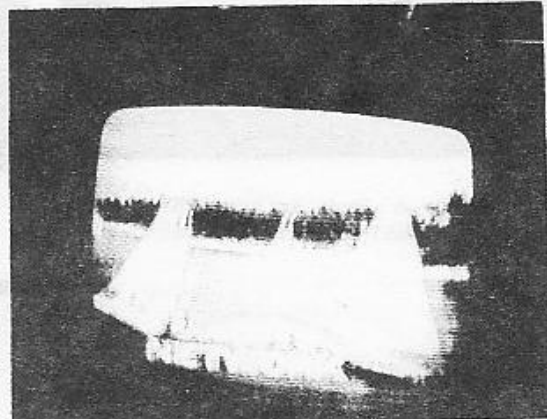
Jim Alexander
4 Brook Court
Parsippany, NJ 07054

March, 1978

This month, we have two pages of TV-DX, contributed by 11 DXers. Items of particular interest include Ken Simon's photo of WIPM- 3 Mayaguez, Puerto Rico, and John Combs' catch of 500+ mile tropo on rabbit ears! Before beginning with the photos, your editor would make a couple of corrections to the Dec. '77 column. The photo of WLVT-39 from 555 miles should have credit to Jim Gould, and the photo of KOTA- 3 should read Rapid City, SD (not Lead, SD). Now, the photos:



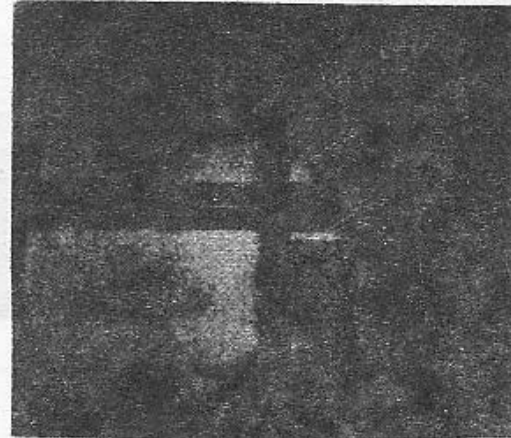
WIPM- 3 Mayaguez, Puerto Rico
E-skip (Simon)



WUNC- 4 Chapel Hill, NC
E-skip (Efferson)



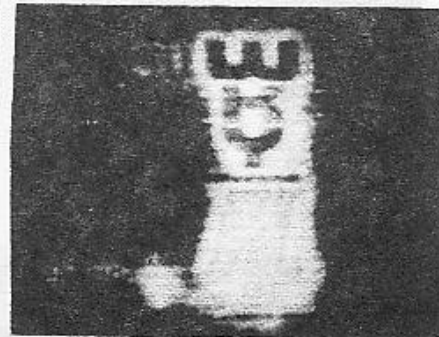
WKAR-23 East Lansing, MI
280 mile tropo (Traska)



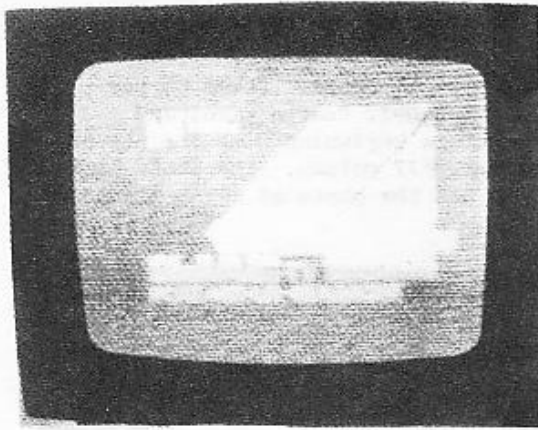
WJHL-11 Johnson City, TN
490 mile tropo (Olson)



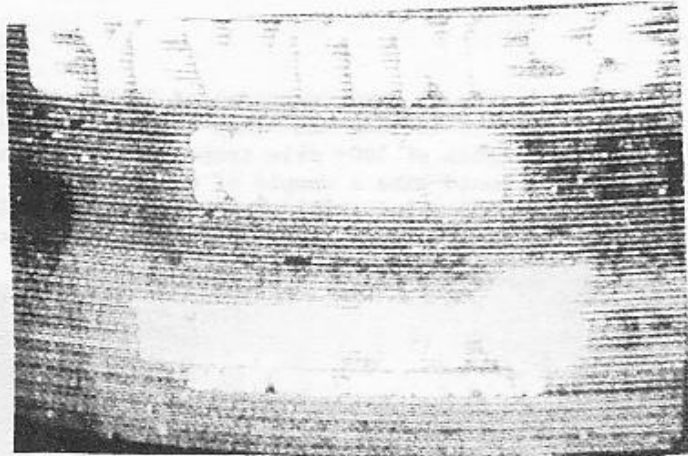
XEJ- 5 Ciudad Juarez, CH Mexico
E-skip (Pizzi)



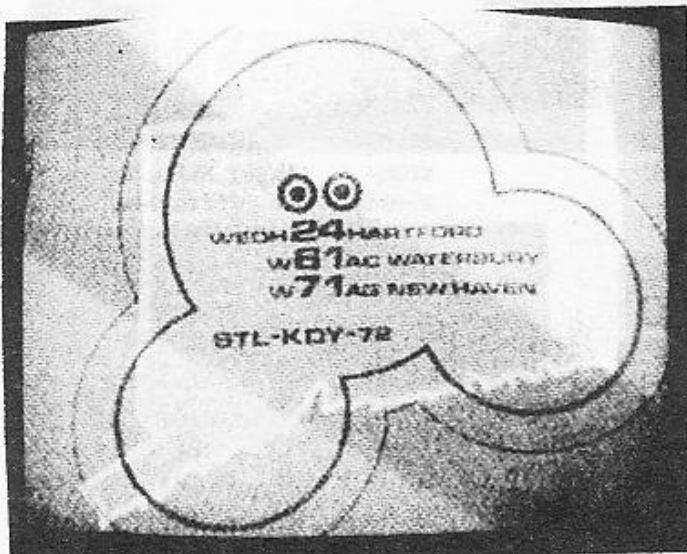
WKY- 4 Oklahoma City, OK
(now KTVY- 4)
E-skip (Williams)



KJAC- 4 Port Arthur, TX
1,180 mile E-skip (Battin)



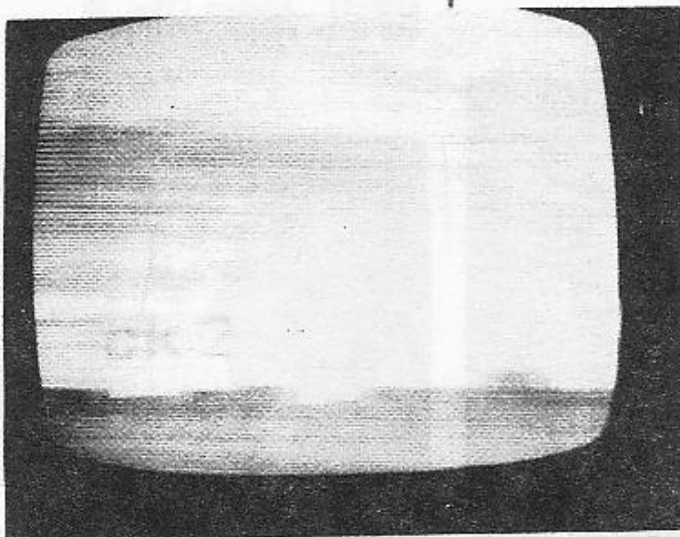
KSTP- 5 St. Paul, MN
920 mile "built-in" E-skip
6/6/77, 2259 EDT (Egan)



WEDH-24 Hartford, CT
275 mile tropo (Yingling)



WCTI-12 New Bern, NC
510 mile "built-in" tropo (Combs)



CKCK- 2 Regina, SK
E-skip
6/9/76, 2035 PDT (Aden)

My thanks to our contributors:

- Ken Simon, West Palm Beach FL
- Roy Efferson, Baton Rouge LA
- Paul D. Traska, Buffalo NY
- Gary Olson (photo taken at Deerfield, Illinois)
- Jim Pizzi, Orcutt CA
- Robert Williams, Twin Falls ID
- Buck Battin, Duluth MN
- Dave Egan, Valleyfield PQ
- Tom Yingling, Baltimore MD
- John Combs, Orlando FL
- Frank Aden, Bend OR

73 and good DX, *Jim*

VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

MARCH 1978

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 QSLed, GMT

<u>8-9:</u>	2127, N2085C	122.8	vic Cambridge, MD (Choptank Aviation Co., Inc.; Beechcraft Travelaire, 2-engine, 5-seat)
(76)			
<u>6-20:</u>	0044, N540G	119.7	nr Baltimore (Continental Oil Company; Lockheed Jetstar L1329, 4-e, 8-s)
(77)			
<u>7-11:</u>	0013, XAPIK	134.0	nr NYC (Aeromexico Flt 406; DC-851; 25 watts)
<u>14:</u>	0952, N13375	122.1	e Ches. Bay (Belson Aviation; Cessna 172, 1-e, 4-s)
<u>16:</u>	1744, N1M	122.8	nr Beacon Hill Farms, Paeonia Springs, VA (Arthur M. Godfrey, pilot, Beech D-55, 2-e, 6-s)
<u>17:</u>	0109, N61648	119.7	ov Annapolis (Steven James Rosamilia; Cessna 172, 1-e, 4-s; 2500 feet) (50 w)
	0224, NMMK 21	156.8	Indian River, DE (Coast Guard; 25' whip @ 65' ASL)
	1717, GBOAA	132.15	ov Sea Isle, NJ (British Airways Speedbird Fl. 578, Concorde; 25 w)
<u>23:</u>	0036, N10380	122.8	ldg Cambridge, MD (Tramar Aviation, Inc.; Cessna 150L trainer, 1-e, 2-s; 7½ w)
	1533, N33TP	118.3	DC area (Joseph E. Seagram & Sons, Inc.; Falcon Fan Jet, 2-e, 12-s)

Thomas J. Yingling, Jr., 221 Pinewood Road, Baltimore, MD 21222 Electra Bearcat 201, 101; 11-el UHF, 3-el hi-VHF beams; EST

<u>1-4:</u>	2000, 450.1125	Baltimore, MD (WBAL-11; broadcast remote action cam.)
	2005, 450.3125	" (WMAR-2; " " mini-cam.)
	2035, 450.9500	" (WJZ-13; " " Eye Witness)
	2050, 450.0875	" (WBAL- " " eye)
	2100, 450.5500	" (WJZ- " ")
<u>6:</u>	2000, 163.565	Ft. Meade, MD (military police)
	2005, 161.295	Baltimore, MD (Amtrack police)
	2055, 160.470	" (B & O RR police)
<u>7:</u>	1530, 460.950	" (ADT Alarm Co.) 1545, 461.000 (EPC Alarm Co.)
	1600, 463.900	" (Crown Guard Co.) 1650, 464.600 (Pinkerton)

Robert L. Foxworth, GPO Box 2111, New York, NY 10001 sent along a copy of an article from the January 27, 1978 issue of Science (Vol. 199, pp. 377-388) that considers how a distant stellar system observer might detect the various VHF-UHF signals from the earth with daily and seasonal variations.

My loggings. Hallicrafters SX-62; Hammarlund SP-600-JX-10; two 30' wires at 12', nw-se and ne-sw runs; P2 unless noted, with daily peak MUF's given; bs-backscatter; new underlined; GMT used

<u>1-11:</u>	1700, KGC 755	12: 1820, hi-35	14: 1700, KCB 979
	1702, KED 482	<u>13:</u> 1557, KCD 850	KCA 410
	1707, KEG 776	1558, KBP 372	1702, KCG 964
	1715, KCE 518	1623, 37.54 US	<u>15:</u> 1940, 30-31 US
	1723, KCI 233	1626, KGP 392	<u>16:</u> 1652, KBA 887
	1727, KOP 303	1629, KGE 450	1659, KCA 410
	1731, KGE 450	1641, KLU 346	1931, KSV 810
	1747, Oakland	1642, KEG 776	1937, KOK 418
	1750, 37.88 Ore	1658, KEJ 451	1943, KCP 308
	1830, KSV 810	1659, KCI 315	1945, KCB 715
	1833, KOA 796	KCH 954	<u>KCD 820</u>
<u>12:</u>	1635, 35's US	<u>14:</u> 1636, KCD 845	<u>KCD 453</u>
	1639, KDH 354	1651, KCD 823	<u>KCD 427</u>
	1644, KCD 915	1652, KCD 500	<u>KAD 874</u>
	1658, KCA 585	1658, KRP 942	KCB 281
	1659, KCI 233	1659, KCA 639	KCA 585
	1659, KCA 410	KCI 233	<u>KCC 350</u>

16: 1945, KCH 519	25: 1915, 32.82	30: 2100, 37.000
1956, KCA 695	low-31 US	2216, KLF 527
2010, WSL	26: 1535, 30.30	31: 1940, hi-35
2015, KQL 885	27: 2115, 30.42 Can	2235, mid-35 US
2020, KOP 303	28: 1845, 30.42 Can	2-1: 0003, KLF 527
2023, 37.88 US	29: 1640, 6WW	1610, 32 US
2032, Bend	1659, KCA 410	1715, hi-35
2033, KUA 288	1707, 35.05	2: 1935, KSV 810
17: 1725, 31 / US	1714, KCD 697	1944, KOP 303
18: 1620, 31 / US	1920, 35.58 bs	2125, 36.15
1658, 32.82	30: 1634, 6WW	3: 1835, hi-33 US
19: 1935, 35.28	35.8 US	2022, 35.58
20: 2118, 32.96	1658, KCI 315	4: 1520, hi-35
22: 1725, 30.42 Can	1659, KCH 954	1810, low-33 US
24: 1900, 30.42 Can	KCB 979	5: 1815, 35.28
2105, 32.96	1712, KCF 589	1850, hi-31 US

KAD 874 33.90	Pembroke, MA-f	KCH 519 33.90	Hanover, MA-f
KBA 887 33.70	Bolton, MA-f	KCH 954 33.70	N Brandford, CT-f
KBF 372 33.54	Hadley, MA-f	KCI 233 33.66	Watertown, CT-f
KCA 410 33.90	Wareham, MA-f	KCI 315 33.64	Beacon Falls, MA-f
KCA 585 33.90	Plymouth, MA-f	KDH 354 33.90	Rockville Ctr, NY-f
KCA 639 33.90	W Wareham, MA-f	KED 482 33.98	Binghamton, NY-f
KCA 695 33.78	Manchester, NH-f	KEG 776 33.82	Edison, NJ-f
KCB 281 33.90	Bridgewater, MA-f	KEJ 451 33.78	Toms River, NJ-cf
KCB 715 33.90	Whitman, MA-f	KGC 755 33.90	Lancaster, PA-cf
KCB 979 33.90	Norwich, CT-f	KGE 450 33.98	Allentown, PA-cf
KCC 350 33.90	E Bridgewater, MA-f	KGF 392 33.70	Pottstown, PA-f
KCD 427 33.90	Rockland, MA-f	KLF 527 35.22	Honolulu, HI-tp
KCD 453 33.90	Hanson, MA-f	KLU 346 33.78	Manchester, NJ-f
KCD 500 33.70	Wellfleet, MA-f	KOA 796 35.58	Portland, OR-tp
KCD 580 33.56	Trumbull, CT-f	KOK 418 35.46	(west) -mp
KCD 697 33.70	Provincetown, MA-f	KOP 303 35.46	Langley, WA-mp
KCD 820 33.90	W Bridgewater, MA-f	KQL 885 33.96	Montville, CT-f
KCD 823 33.90	N Abington, MA-f	KRP 942 33.48	Kingston, NY-f
KCD 845 33.70	Brewster, MA-f	KSV 810 33.08	Portland, OR-ho
KCD 915 33.90	Wareham, MA-f	KUA 288 35.22	Portland, OR-tp
KCE 518 33.86	Shelton, CT-f	WSL 34.04	Amagansett, NY-hac
KCF 308 33.66	N Reading, MA-f	6WW 33.90	Senegal, Africa-hac
KCF 589 33.86	New Fairfield, CT-cf	- 35.26	Bend, OR-mp
KCG 964 33.76	Terryville, CT-f	- 35.46	Oakland, CA-mp

f-fire (o-county), hac-h.f. cw harmonic, ho-hospital
mp-mobile phone, tp-tone pager

Solar fluxes the first week of February hit the highest levels (over 160) since late October of 1972 !

Some hints for those who are at the right range (1500 miles or more) from the 33-MHz fire departments (most of which are in the NE US). The best time for ID's comes with the "6 pm test" when just about every one of them gets on. Next best time is the "noon test", followed then by the on the hour ID's (when given). Sometimes they just give the three digits of their call.

Early Jan had some instances of New Zealand TV audio (50.75) into Hawaii. An extensive Japan-Australia event occurred on Dec 3 on 6-m as well as Japan-New Zealand.

If things keep up, Mar-April n-s F2 should be the best since 1972.

Remember this is a DX column and submissions may be edited accordingly, as space and time permit.

QSL CORNER

Thomas J. Vingling, Jr.
 221 Pinewood Road
 Baltimore, MD 21222
 Phone # 1-301-282-5649
 Deadline: 10th

PSB-QSL

- FL K18-401 45.06 Ft. Myers, P. O. Box 0, 33902. prepared card from Donald Smith for Florida Highway Patrol. Blevins
- IL KSA-926 39.46 Decatur, 253 E. Wood St, 62523. prepared card from Lt. Holsapple, for Macon County Sheriff Dept. Blevins
- IN KSA-449 42.42 Jasper, Jasper District #34, 47546. prepared card from Harold C. Merriles, Chief Comm Officer. for Indiana State Police Dept. Blevins
- MD KGC-334 154.28 Gaithersburg/Bethesda. Montgomery County Fire Dept, 250 watts, letter & prepared card from Raymond L. Mulhall, Comm. Officer. Dorman
- KGO-273 154.28 Hickory. Harford County Fire Dept, prepared card in 15 days signed by Lt. James W. Rockey, SASE included. Dorman
- VA K1F-337 154.28 Fairfax. Fairfax County Fire Dept. Mutual Aid freq., same above 2, send back prepared card in 11 days, SASE used. Dorman

FM-QSL

- AL CJCA 97.3 Edmonton, 10230 108th St, T5J 2X3. Send card signed by G. Skullen, Chief Technician. Card verified MS reception !!! Aden
- IL WFMT 98.7 Chicago, 500 N. Michigan Ave, 60611. Letter from Gordon S. Carter, Eng. in 19 days. Samford
- MN WCAL 89.3 Northfield, 55057. Letter signed by Tom Smith, confirmed report for June 18th, received 9-24-77. Aden
- MS WLIN 95.5 Jackson, P. O. Box 12247, 39211. Memo & coverage map from Charles Fletcher, Manager in 7 days. "Our antenna is located on WAPT-TV tower at 1060 feet. Their tower is on Maddox Rd in the southwest section of town." Samford
- WDMV 98.7 Vicksburg, P. O. Box 1111, 39180. Letter & coverage-map from Bill Ford, CE, in 2 weeks. He describes his own DX'ing interests in a long letter. Sawatzky
- NE K1BC 93.5 Ogallala, P. O. Box 733, 69153. Letter & tourist info in 6 days. No name or signature. Describes report from OH & CA. Sawatzky
- KTTT 93.5 Columbus, Box 518, Letter (interoffice type) signed by Ralph Wayne, PD, (not really signed, just typed) enclosed a rate card with CM on it. Aden
- OK KOSU 91.7 Stillwater, Oklahoma State University, 74074. Letter & program guide back from Frank W. Baker, Operations Coordinator. Ellis
- OH WWOV 93.7 Mount Vernon, 43050. Unsigned memo from Don Talbot CE in 2 weeks. Simon
- WMRN 106.9 Marion, box 518, 44302. Station info & note of "most distant reception" but no dates. from F. J. Peters, VP for Eng. in 5 days. Simon
- WBEA 107.3 Elyria, EST Building, 44035. Long personal letter chiding me for not reporting more details. From Glenn P. Smith, CE in 5 days. Simon
- PA WZPR 100.3 Meadville, 964 Park Ave, 16335. No letter, mine returned w/confirmation type in on bottom of my letter. No signer & reply in 5 days. Traska
- WDBA 107.3 DuBois, 28 W. Scribner Ace, 15801. Letter from Gerald E. Meloon CE with RP time in 8 days. They were personally glad to hear from me, as a few of them are from Western NY & said never has anyone successfully DX us from Buffalo. Traska.
- WJG1 93.7 Pittsburgh, Grandville, 15211. Letter from Glenn Anderson, CE in 2 weeks. Simon
- SD KCHF 93.5 Sioux Falls, 224 S. Main St. 57102. Send letter signed by Joe Miller, PD, Thanked me for listening & said to stop in next time I am in SF, SD. Aden
- TX KMGQ 102.9 Dallas, 1401 S. Akard St, 75222. Letter finally arrived after being returned to the P.O. twice because of wrong address. Signer was Ms. J.C. Webster, GM, mentions reception also in NJ & Ontario, with Christian music on main channel & Musak on SCA. Stereo planned. Elving.
- VT WNHY 95.3 White River Junction, Box 910, 05001. A long letter & separate letter verie, (both veries) 4 page station profile, 2 CM, 3 bumper stickers from Andy Leckart, CT in 5 days. Lindblade.

Reporters are Don Blevins, Essex, MD; Randy Dorman, Severn, MD; Frank Aden, Bend, OR; Rick Samford, Burnet, TX; Peter Sawatzky, Waterloo, ONT; Ken Simon, W. Palm Beach, FL; Paul Traska, Buffalo, NY; Bruce Elving, Duluth, MN; Albert Ellis, Brantford, ONT; & Rolland Lindblade, Omaha, NE. This was a first for a while to have some PSB QSL's reported. Maybe others will report too, this was an all fm report too. I hope everybody is okay after this winter snows in the East & Northeast for I had my fill of snow here in Baltimore. 73's & hurry up sommer.

Tom

Videotaperecorders for DXers

By now, virtually everyone in North America has been exposed to the mountain of publicity and advertising on home video cassette recorders. The media and ads have already done the job of telling you that you can record the late, late show, but what about DX? Before getting into that, I should mention that I have "lived with" a video tape recorder (VTR) for about twelve years...but more about DX recording a bit later.

The two most popular consumer video cassette recorder (VCR) formats are those developed by Sony (Beta) and Matsushita (VHS). In both the Beta and VHS systems, the video tape is contained inside a plastic cassette and automatically threaded when the machine is engaged. The user never handles the tape. All of these machines provide forward (record and play), rewind and fast forward modes. Some VCR's also provide a pause feature, which momentarily stops the tape travel and allows the user to eliminate commercials, ID's (!), etc. A few VCR's also feature freeze frame or stop action. Unlike older reel-to-reel VTR's, virtually all of the new VCR's include an output modulator (to broadcast the signal into the antenna terminals of your set) and a built-in TV receiver. This set-up allows the user to record one program while watching another --a highly advertised feature.

Can TV-DX be recorded on a VCR?

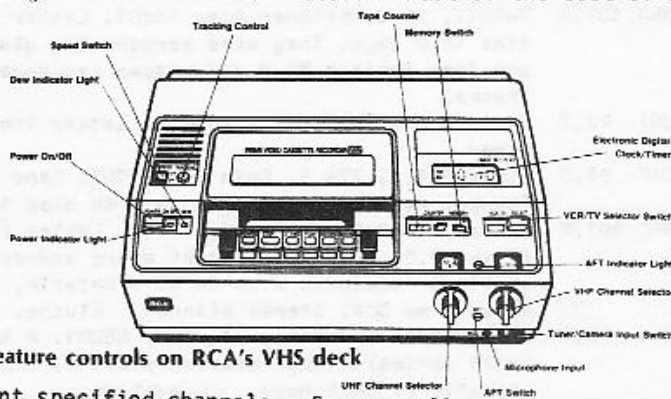
The answer to that question is yes, and maybe no. I'm really not trying to sound like a politician, but that is a brief and accurate way to sum-up the situation. Many VCR's have built-in, what can be described as a video squelch circuit. If the video signal level is very weak (moderate to heavy snow), the squelch circuit blanks the video, causing your TV screen to go black. The idea behind this system is to keep the screen dark until the program material begins. With this "feature" operational, you could not tape a weak DX signal. This blanking circuit can be disabled by a good technician. I have no data on which VCR's have or do not have the video blanking circuit, so my best advice is to consult a dealer specializing in video tape equipment (not a department, appliance or stereo store) or the individual manufacturers. Strong video signals with only light snow, or strong skip signals, should cause no problems and record properly.

Which brand of VCR is best?

Sorry, but that's a question that I won't attempt to answer. There are many variables involved, including features, personal taste and so on. I've talked to industry experts who each have a favorite format or brand. If you plan to buy a VCR (and not a VTR), I would recommend that you choose a machine using either the Beta or VHS formats. Both of these formats have received a great deal of acceptance and should be in fashion for years to come.

Should I buy now or wait for the prices to fall?

Don't expect VCR prices to change much in the near future. Most of the cost of a VCR is tied up in mechanics and not electronics. As anyone who has bought a car lately knows, the cost of mechanical devices hasn't followed the route of the calculator. What you should expect to see is more features without much (if any) added cost. These features will probably include freeze frame, slow motion, remote mode control, and elaborate "timers." Such timers would allow the user to program the VCR to turn itself on and off at several specified times on different specified channels. Some or all of these features will start showing up in late summer or fall.

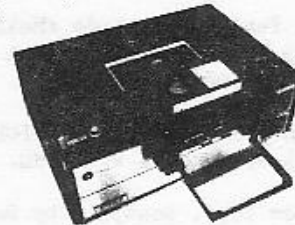


Improve your UHF TV reception with the TV 22 Antenna Kit!
Includes corner reflector antenna, 50 ft. of foam-insulated transmission line, 4 insulated stand-offs, and instructions. **Look for it!**

What VCR features should the DXer look for?

Beyond those features that are standard on most VCR's, freeze frame and slow motion are extremely useful to the DXer. In fact, these features are essential if you enjoy meteor scatter DXing. With freeze frame and slow motion, you can examine an MS burst virtually frame by frame. Remember those clear bursts that came in and out so fast that you couldn't read the ID? With a VCR: IDing such bursts is much easier than trying to catch it on a single chance. I've logged several stations in this manner that would have been impossible without a video recorder. In case you haven't already got the idea, I'm suggesting that if you're in the market for a VCR, you should wait until you can buy one with slow motion, or at minimum-- freeze frame. But there is still another alternative...

So far, we've been talking only about VCR's, but there are a great many used reel-to-reel VTR's available at almost give-away prices. I've seen prices for 1/2" (refers to tape width) black & white VTR's ranging from \$100 to \$275. (With a VTR, you'll also need a video monitor for playback and a modification to your TV set for recording.) The nice thing about many VTR's is that freeze frame (of sorts) is almost always built in and you can create your own slow motion by manually moving the reels back and forth. This isn't the best thing for tape and head wear, but a limited amount of "freeze and turn" isn't likely to cause any problems. (I've been doing it for twelve years and I'm still using the original video heads.) If you decide to shop for a used VTR, be absolutely certain that it works perfectly. VTR repairs can be quite expensive. Replacement of the video head assembly alone can easily run well over \$125. Try to stick with name brands, like Sony, Panasonic, JVC, Shibadin (now part of Hitachi), etc., as future parts availability will be best. Look only at 1/2" machines. The higher tape costs or one costly repair makes a 1" machine a questionable investment. Look for a 1/2" machine using the EIAJ format. This will assure you that it's a relatively modern machine that will provide one hour of recording on a 2400' reel (usually costing \$18-\$25 or \$5-\$10 for used tape). My own VTR was the first home VTR available-- the Sony CV2000. This is a pre-EIAJ machine, which uses Sony's original format, known as "CV." It too can record up to one hour, but is not compatible with the newer EIAJ machines. While the CV-2000 lacks the refinements of newer machines, it does a fine utilitarian job for recording DX, moon landings or whatever.



Sony 2-hour Betamax with changer



JVC's Vidstar

In summary, if you want a video recorder mainly for recording DX, you might consider waiting for a VCR with freeze frame and slow motion or (if you're handy) buying a used 1/2" VTR. Before buying a VCR, check to see if it has a video blanking circuit and if it does, whether your dealer can defeat it. Finally, shop around! Look at all the machines and their features. Decide for yourself what's best for your needs. If you do buy a machine, order a service manual from the manufacturer. Even if much of the contents are over your head, you'll find that it includes useful maintenance information. It even may help you to better understand how the VCR functions and how you can get the most out of it.

73, Morrie S. Goldman WA9RAQ

BSU wins radio tower dispute

Reprinted from 12-6-78 "BALL STATE DAILY NEWS", submitted by Ralph Strobel.

Blackford Circuit Court Judge Bruce C. Bade ruled Thursday that Ball State University can construct a 300-foot radio tower despite objections of residents of Finnlandia Estates west of Muncie.

Bade said the university is both an educational institution and a state agency and therefore is exempt from the Delaware County Zoning ordinance.

The suit was brought by the Delaware-Muncie Metropolitan Plan Commission, but Bade ruled any court action must be filed by the property owners because the commission lacks jurisdiction over the university.

Completely updated and revised, and listing over 4,000 FM radio stations and translators of North America, giving individual station musical formats, networks and primary and secondary coverage radii to help take the guesswork out of FM listening at home or onn the go! Shows FM stereo stations, plus stations with vertical polarization for best car reception.

Many maps improved and re-drawn, showing cities with FM stations, frequencies, call letters, time zone boundaries. Revised editorial content discusses FM broadcasting developments, phony stereo and quad, tips on buying a car FM radio, improving reception, and "SCA: Radio's Great Unexploited Frontier," with stations having a 67khz subcarrier listed and what is actually being programmed on this part of the FM spectrum.

Special features include FMakings, a listing of all FM station applications on file with the FCC and CRTC through Jan. 18, 1978; FMiscellany (some moribund FM logos and a contest) and FMorgue.

Order the FM ATLAS and STATION DIRECTORY today! Send Remittance to "FM ATLAS," Adolph MN 55701 or send to WTFDA HQ.

\$3.95 per copy, postpaid by Book Rate (U.S. and Canada). Two or more copies mailed Book Rate \$3.50 each, \$4.50 per copy by first class mail, U.S. and other countries. (Canadians please use Canadian postal money order, if mailed to WTFDA HQ please have marked payable in U.S. funds).

FROM THE STAFF, Continued from page 2.

WESTERN TV-DX This month: Doug Everitt reports his time situation has prohibited him from doing a MARCH column. Doug apologizes for any inconvenience to the members and says a column will be presented next month.

NEW WTFDA PUBLICATIONS...Mike Dorner has been preparing two new publications for FM DXers. Please watch "FROM THE STAFF" in upcoming issues.

NEW FM ATLAS AVAILABLE THIS MONTH...Dr. Bruce Elving reports the 5th edition of his FM ATLAS and STATION DIRECTORY is now out. Bruce reports a small price increase from the old price of \$3.50 to \$3.95. See top of this page for more details.

FROM THE EDITOR: Many members are now wondering what has happened to the missing regular DX reporting columns in the VUD plus other columns. I had originally planned this issue to be at least 35 pages but with the new deadlines, lack of DX and bad weather in the eastern half of the continents plus lack of editors for FM DX the issue was greatly cut short. The last few months have not been the best for WTFDA with the extremely late VUDs, apathy has increased greatly as many members have lost interest in the association. I plan to bring WTFDA out of this current problem situation but I can only do it with your support, WTFDA is not my association only, it is ours! WTFDA can only survive if the membership supports the VUD. Send in a report on yourself to MAILBOX, tell QSL CORNER of your latest QSLs, send in those special DX photos to PHOTO NEWS, report to your DX columns even if it is only a single logging! Send in old QSLs, logos and other oldtime material to MEMORABILIA, take time out to write that special article for the VUD you have been planning. Buy club supplies and join in one of the association projects. We can make WTFDA the best DX association in the world if we all work together. WTFDA is not dead! Let us all prove it to the DX world!



WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE
VHF-UHF DX
ENTHUSIAST



It's time to vote for the site of the 1978 WTFDA Convention!
Listed below are the choices:

BALTIMORE, MD-

Hosts Tom Yingling and Don Blevins are planning an exciting convention in this historic city. The proposed convention dates are August 4, 5, and 6 at the Lord Baltimore Hotel in downtown Baltimore. Tours of local stations are anticipated. Several technical presentations are expected, including one by a representative of the Baltimore Fire Department on their communications system. The hosts are considering a trip to nearby Washington for those interested. Information on room rates isn't available, and the hosts haven't decided on a registration fee.

LOUISVILLE, KY-

Hosts Ted Fleischaker, Wayne Murphy, and Bob Walker plan to have the convention at the Holiday Inn Southeast at the intersection of I-264 and US31E. This was the site of the 1976 NRC convention. Proposed dates are August 4, 5, and 6. Many activities are planned for conventiongoers. The hosts plan on tours of local TV and FM stations, plus a possible DXpedition to General Butler State Park in Carrollton KY. The guest speaker at the banquet will be Clarence Henson, who built the first FM station in Louisville for WHAS. He's now the owner of WLRS and WOPX-FM. Many technical sessions are planned, including a presentation on SCA by Dr. Bruce Elving. The registration fee will be a very reasonable \$17.50. Louisville is very accessible, with many major highways running through the city. Louisville is served by Greyhound and Trailways bus lines, plus most major airlines.

NEW ORLEANS, LA-

Host Ron LeBlanc plans on several technical talks and station tours during the convention, which will be held in the suburb of Marrero. Convention dates planned are August 4, 5, and 6. No site has been chosen for the convention, and the registration fee hasn't been set. Ron hosted the club convention in 1977.



Post Office Box 202 - Whiting, Indiana 46394

WORLDWIDE TV-FM DX ASSOCIATION

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TO BEAT!**

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DUES: USA and CANADA, \$11 (via first class); overseas, \$18 (via air mail)

The VHF-UHF DIGEST is the official publication of the Worldwide TV-FM DX Association. WTFDA is a non-profit organization and a member club in the Association of North American Radio Clubs (ANARC).

Persons contributing their efforts for the Worldwide TV-FM DX Association do so without any monetary compensation. Dues and all over revenue cover printing, postage, and other expenses.

The WTFDA is governed by a five-man board of directors, composed of Frank Aden, Jr., Morrie Goldman, Mike Hogan, Pete Oprisko and John Zondlo. ANARC representatives are Morrie Goldman, Pete Oprisko and John Zondlo.

EDITOR-IN-CHIEF	Frank Aden, Jr.	COMPTROLLER	Gary Olson
PUBLISHER	Pete Oprisko	BOOKKEEPER	Bruce Elving
CIRCULATION	John Zondlo	PROCESSING	Dave Janowiak
DISTRIBUTION	Mike Hogan	LITERATURE	Morrie Goldman

S U P P L I E S and D X L I T E R A T U R E W T F D A member rates only.

- REPRINT SERVICEArticles from May 1972 to the present are now available.
A complete 1978 catalogue can be obtained from WTFDA HQ.
- VUD Back issuesAvailable: Jan 1975 issue to the present. 50¢ each
- BEYOND SHORTWAVEAn Introduction to TV, FM, and VHF-UHF
radio written and edited by prominent DXers. \$1.00
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American TV stations, featuring maps for
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- Station QSL Report formsFor requesting QSLs (verifications)
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- DX Column Report FormsFor reporting to the numerous DX columns
printed each month in the VHF-UHF DIGEST.
New style for 1978! Free for a
SASE

All columns and feature articles to be printed in any VUD issue should be sent to editor Frank Aden, Jr., 1535 NW Ithaca Ave., Bend OR 97701. All information for VUD columns should be sent to the appropriate editors; all club business (supply orders, etc.) should be sent to HQ in Whiting.

SUPPORT WTFDA BY PARTICIPATING-----REPORT TO COLUMNS AND PURCHASE SUPPLIES.

Serving VHF·UHF DX Enthusiasts **W T F D A**