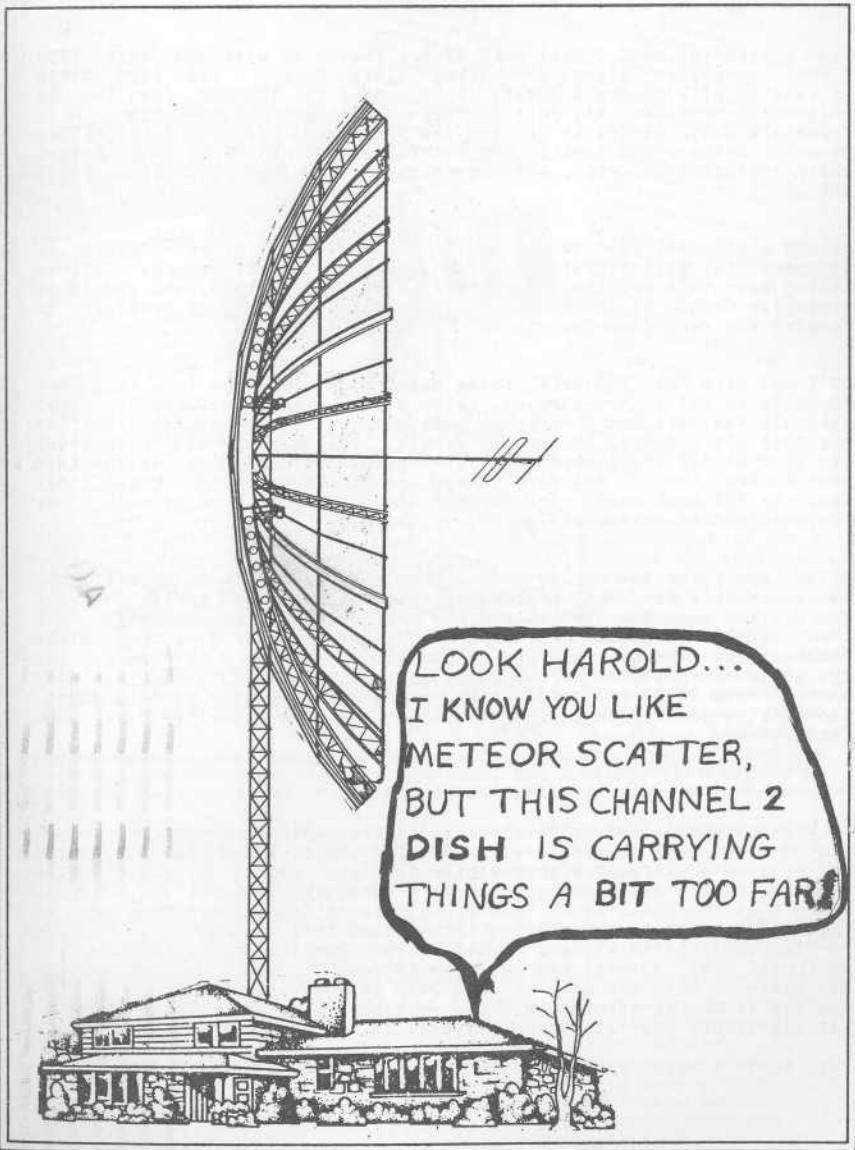


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1990



WORLDWIDE TV-FM DX ASSOCIATION
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11/90
WILLIAM N NOLLMAN
35 NYE ROAD
GLASTONBURY CT 06033

ANNUAL DUES - UNITED STATES: \$17

CANADA: \$18

OUTSIDE NORTH AMERICA: \$27

MAKE CHECK OR MONEY ORDER PAYABLE TO WORLDWIDE TV-FM DX ASSOCIATION.

From The STAFF

1990 CONVENTION NEWS... Host Mike Wimer checks in with news that 1990 WTFDA convention plans are going along fine. The 1990 WTFDA convention will be held August 3, 4 and 5 at the Old Town Inn in historical Manassas, VA, just 30 miles southwest of Washington, D.C. There are many things to do and see in the Washington metropolitan area for members and family. More information/details on room rates, cost, registration, etc., will be provided in upcoming months of the VUD.

COLUMN NEWS... EASTERN TV DX has a new editor. We're pleased to announce that Bill Nienajadly, 98 Highland Avenue, Clifton NJ 07011 is taking over this section. Temporary editor Ronny Stock, who should be bound for Europe by the time this issue is published, has promised to forward any remaining reports.

IT'S NOT OVER 'TIL ITS OVER... Some DXers have expressed fear that peak F2 cycle activity has already taken place. Fear not--experts feel strongly that the actual sunspot peak may just now be taking place, or may take place during the coming months. That means that indications are that we may see a repeat of last November's conditions again this year in the Fall. One more thing--no VHF DXer should forget that March is THE peak month for Auroral DX activity. Here's a tip: pay close attention to the mid-month period.

BITS... Apologies for any delay in club mail...Bill Thompson will now be responsible for both processing incoming mail and publishing the VUD until a volunteer to replace Ron can be found. Incidentally, the term "WTFDA Headquarters" is a misnomer--there is no WTFDA headquarters. Remember, club PO Box 514 is merely a mail drop, and the staff is scattered across the country...we have no office building or toll-free "800" WATS line. We mention this because we find that, incredibly, some people seem to think that we actually have such facilities!

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This month's cover by Perry Bolic (hint--that's not his real name).

Television & Cable Factbook

Factbook's astonishingly comprehensive coverage

Abbreviations and initials commonly used in TV Advertisers Index Allocations, TV channels Associations, TV organizations, groups and other Attorneys directory Brokerage and financing EXPANDED BUYER'S GUIDE TO PRODUCTS AND SERVICES Cable. Associations Cross-ownership Equipment installers Group ownership Statistics

SPECIAL ONE-TIME OFFER
BACK ISSUES OF THE TWO VOLUME 1988 EDITION ARE BEING MADE AVAILABLE TO WTFDA MEMBERS AT A FRACTION OF THEIR ORIGINAL COST!

Manufacturers... Cable Closed circuit Receivers Telecasting Market and audience research organizations Market rankings, TV National Distribution Service Broadcasters Networks, TV Program sources and services Public relations and promotion Representatives, TV sales Sales and transfers Satellite communications services Satellite and pay-TV programming suppliers Security equipment manufacturers Statistics Subscription TV Summary of world TV stations and sets Television Stations... Armed forces Call letters Canadian Educational Group ownership International 'nited States



Finally!
AFFORDABLE!



To keep costs down and simplify handling, the publisher has requested me to handle individual orders and submit the club total as one package.

If you are interested in this extraordinary offer, please send a \$20 deposit right away. The balance due will be billed to you on April 1, and due April 30. Deposits will not be refunded on accounts outstanding as of May 1, 1990. Entire order will be sent to publisher May 7.

NOTE: If the total WTFDA order exceeds 10 sets, your per-set cost will drop to \$50. There are less than 30 sets available. First come-first served. Stated prices include shipping and handling.

SEND YOUR ORDER AND \$20 DEPOSIT TO:

TOM BRYANT
849 TODD PREIS DRIVE
NASHVILLE, TN 37221

(for more info call 615-646-2000
weeknights after 10 PM)

[In case anyone wonders, there will be little or no profit for me in this venture. It's simply administration of an offer made by Warren Publishing that I felt should be shared with all WTFDA members who might be interested.]

Television news

Bill Fahber, editor
336 Atlantic Street
Bridgeton, NJ 08302

MARCH, 1990

TELEVISION NEWS - page 2

MARCH, 1990

ABBREVIATIONS USED IN THIS COLUMN:
 AATm Height (meters) above average terrain
 AG Antenna height above ground
 ASL Antenna height above sea level
 AZ Azimuth (North=0°)
 BT Beam Tilt
 CIR Circular polarization
 CP Construction permit
 CRTC Canadian Radio-television and Telecommunications Commission
 DA Directional antenna
 ELL Elliptical polarization
 ERP Effective Radiated Power
 FCC Federal Communications Commission (USA)
 HOR measured along a horizontal plane
 MAX In the direction or elevation of maximum signal strength
 MP Construction permit modification
 TL Transmitter or tower location
 + carrier frequency offset 10 kHz above standard
 - carrier frequency offset 10 kHz below standard
 z carrier frequency not offset

Broadcasting Partnership; Nichols Broadcasting Corporation; WCVQ Inc. (initial decision)

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	AATm	CITY/APPLICANT
FL	27	5000	490	Orlando; Reese Associates Ltd. (Review Board decision)
VT	44	3360	380	Burlington; Lake Champlain Communications Inc. (initial decision)

CONSTRUCTION PERMITS CANCELLED

ST	CH	CALLS	CITY
AL	55	WHHM	Gulf Shores
FL	61	WGBZ	Gainesville
IA	23	KMES	Ames
MN	11	KFTR-TV	International Falls

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
AL	34	1128	142	WSDW	Ozark
CA	33	60.3	440	K...	San Luis Obispo
PA	60	60	214	WBPH-TV	Bethlehem
PR	46	1500	643	W...	Guayama
TX	29	108	132	KMPX	Decatur (amended)
VA	14	4470	219	WTM	Arlington
WV	60	3923	307	WEWV	Martinsburg

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
ID	26	12.2	574	Coeur d'Alene; Idaho State Board of Education
ID	12	300	628	Moscow; Idaho State Board of Education
ID	13	3.98	131	Twin Falls; Idaho State Board of Education
MT	10	5	223	Helena; KFBB Corporation
ND	19	339	230	Ellendale; Prairie Public Broadcasting

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	AATm	CALLS	CITY
AL	63	2417	215	WTSU-TV	Montgomery
GA	63	5000	363	WHSB	Monroe
NC	64	2570	412	WKAY	Kannapolis
PR	42	1500	853	WIRS	Yauco
TX	55	3012	142	KLDT	Lake Dallas

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
CA	62	3720	723	KSLD	Riverside (cp)
CA	26	3214	784	KMPH	Visalia (mp)
NJ	50	5000	243	WNJM	Montclair (cp)
OH	64	5000	337	WIII	Cincinnati (cp)
SC	7	316	584	WITV	Charleston (mp)

(Just how many years old is this CP?)

SD	17	19.7	151	KTTW	Sioux Falls (cp)
TN	61	5000	270	WDSI-TV	Chattanooga (cp amend)
WY	13	209	495	KGWR-TV	Rock Springs (mp)

APPLICATIONS DISMISSED

AZ	Phoenix; ch. 61; Compass Rose Communications Corp.
CA	Los Angeles; ch. 11; City Light Communications Inc.
CO	Lamar; ch. 12; Carl M. Fisher.
FL	Orlando; ch. 27; Emily LaForett (dismissed); Central Florida Television Ltd.; Florida Television Company; Highland Communications Ltd.; Magic City Broadcasting Inc.; Marlin Broadcasting of Central Florida Inc.; Orlando 27 Inc.; Sunshine TV 27 Inc. (Review Board decision)
LA	Columbia; ch. 11; Columbia TV & Radio Inc.; William L. Cook II.
TN	Memphis; ch. 13; Cozzin Communications of Memphis Inc.; Greater Memphis Communications Ltd.; Memphis Telecasters Ltd.; New South Media Company; River City Broadcasting; River City Communications Corporation; Shelby Broadcasting.
VT	Burlington; ch. 44; Northeast Kingdom TV (dismissed); Burlington 44 Company; Burlington Channel 44 Ltd.; David McMeekin; Maple Leaf

CHANGES GRANTED STATIONS ON THE AIR

GA	Cochran; WDCO-TV, ch. 15, with CP specifying change to ch. 29; granted MP to raise ERP from 501 kw max/363 kw hor to 5000 kw max; 350m AAT/347m AG/463m ASL (14 meters lower AG); same TL; look for substantial increase in signal strength when it goes over to channel 29.
MD	Baltimore; WNUV-TV, ch. 54; granted license to cover CP for changes. See 8/89 VUD, except that ERP was incorrectly reported. It should be 5000 kw max. Change took place around October, 1989.

MD	Baltimore; WNUV-TV, ch. 54; granted license to cover CP for changes. See 8/89 VUD, except that ERP was incorrectly reported. It should be 5000 kw max. Change took place around October, 1989.
MI	Kalamazoo; WLLA, ch. 64; granted CP to raise ERP from 1433 kw max to 2500 kw max; same TL and antenna height (305 meters).
TN	Chattanooga; WTCI, ch. 45; granted license to cover CP for changes; ERP raised from 741 kw max/617 kw hor to 1480 kw max; antenna height reduced 8 meters to 276m AAT/83m AG/696m ASL; same TL. I noticed that one reference called for a change to 148 kw instead of 1480. Could somebody verify one or the other? Change took place last fall.
TN	Chattanooga; WDSI-TV, ch. 61; granted MP to raise ERP to 5000 kw max (confusing references: supposedly from a licensed 2218 kw, with an old permit to increase to 4613 kw, but I noticed the data base from Larry Fuss calls for a licensed 589 kw, and the 1989 Television Factbook calls for 584 kw max/457 kw hor. If that is the case, then expect a substantial increase in coverage area and signal strength); 375m AAT/168m AG/769m ASL (an increase of 64 meters over elevations in the 1989 TVFB); same TL; DA BT.
WV	Morgantown; WNPB, ch. 24; granted CP to raise ERP from 2750 kw max/1875 kw hor to 3475 kw max; 454.5m AAT/145m AG/1059m ASL (13 meters lower); same TL.

OR	Klamath Falls; KDKF, ch. 31z, went on the air 10/15/1989; 100 kw max ERP; 723m AAT/59m AG/2011m ASL; TL Stukel Mountain, 11.7 miles from Klamath Falls, Merrill County; coordinates 42°05'56"/121°38'00"; ABC affiliate; address: Sunshine Television, 1090 Knutson Avenue, Medford, OR, 97504. (Note: a few months before signing on, station applied for 6 kw max ERP; 691' AAT/44m AG/2005m ASL; hardly worth ABC's time, but I don't know if this was ever granted.)
OR	Portland; KTDZ-TV, ch. 24z, went on the air 11/16/1989; 2710 kw max ERP; 463m AAT/231m AG/553m ASL; TL existing KOIN-TV, ch. 6, transmitter site, 5516 SW Barnes Road, Portland (69 meters lower, however); coordinates 45°30'58"/122°43'59"; TBN affiliate; address: National Minority TV Inc., 432 NE 74th Avenue, Portland OR 97213.
SD	Rapid City; KCLO-TV, ch. 15-, went on the air 11/28/1988 (I missed that one somehow!); 690 kw max ERP; 160m AAT/128m AG/1280m ASL; TL Skyline Drive, approximately 0.8 mile south of the intersection of Routes 44 and 79, Rapid City; coordinates 44°04'14"/103°15'01"; BT HOR; CBS affiliate; probably another satellite of KELO-TV, ch. 11 in Sioux Falls, SD, both of which are owned by Midcontinent Broadcasting.

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
AL	34	WDAU	Ozark; WSDW
IA	48	KRBU	Cedar Rapids; Jefferson Bong Co.
MN	47	KXLT-TV	Rochester; KXLT
SC	21	WGRS	Florence; WFIL
WV	60	WEWV	Martinsburg; Ralph D. Albertazzie

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
CA	9	KCAL	Los Angeles; KHJ-TV
TN	39	WENT	Greeneville; WETO
TN	16	WMTU	Jackson; WJMT

NEW STATIONS ON THE AIR

CA	San Luis Obispo; KADE, ch. 33z, reported by Jim Pizzi to be on the air as of 1/27/90; recent application calls for 60.3 kw max ERP, 440m AAT; satellite of KADY-TV, ch. 63, Oxnard CA. Last I knew, the station didn't even have call letters yet.
NM	Hobbs; KHFT, ch. 29z, went on the air February, 1989; 8 kw max ERP; 159m AAT/155m AG/1259m ASL; TL Marland Drive, 2.9 miles east of Hobbs; coordinates 32°43'28"/103°05'46"; BT HOR; independent station; address: Hobbs Family Television, 420 N. Turner, Hobbs NM 88240.
NC	Morehead City; WFXI, ch. 8z, went on the air 11/6/1989; 316 kw max ERP; 599m AAT/597m AG/599m ASL (station applied for MP back in September, 1988, requesting 249m AAT/247m AG/249m ASL, but I don't know if that was granted); TL Open Grounds Farm, 5 1/2 miles

SOAPBOX

Some months back I quoted from an article which dealt with somebody who deals in collectible TV Guides. The fact that I published information from that article resulted in some angry comments from Jeff Kadet, who who asked me to copy his letter verbatim, which I will do within reason. "I've resisted publicizing my business in VUD but since you are giving free plugs to my main competitor, Howard Rogofsky of Glen Oake, NY ... I've changed my mind.

"Okay, I have a 12 year old business called TV GUIDE SPECIALISTS. It is the largest and oldest back issue TV Guide business in the world. It is all I do for a living. I have a 56 page illustrated catalog that costs \$3.00 which lists every TV Guide from 1949 to 1989. All TV Guides from April 3, 1953 to the present are in stock at all times.

"As to the history of TV Guide, let's get this straight. There were two magazines called TV Guide. The original was called TeleVision Guide and it began in New York City on June 14, 1948. The familiar screen logo in the upper left corner of the cover began on July 23, 1949. The magazine shortened it's (sic) title to TV Guide on March 11, 1950. It stopped publication with the March 27-April 2, 1953 issue.

"The most valuable TV Guide is the June 14-20, 1948 issue (vol.1, No.1). There is only one copy known to exist. Ten years ago the owner gave me an excellent photocopy of it and I now sell a color reprint of the entire issue for \$10.00 + shipping.

"In my personal collection I have all but 15 of these original New York City 'pre-nationals'. The

ones I still need are from June thru October of 1948. These 'pre-nationals' are very hard to find. I do have some for sale. Ones not for sale I can photocopy.

"National TV Guide began on April 3, 1953. Contrary to the article in Jan. VUD, the Lucy's Baby issue is not the rarest national issue, but rather it is the George Reeves Superman issue from September, 1953. That issue is much harder to find than the Lucy's Baby issue (I have 12 NEAR MINT Lucy's Baby's in stock but just a few of the George Reeves).

"As to why my business was not mentioned in the 4/7/89 Oregonian article the so called 'journalist' who wrote this article (which has been distributed nationally) demanded money from me in order to plug my business. I refused. Mr. Rogofsky didn't. It's as simple as that. So much for American Journalism and greed in the 80's. But don't pity me, TV GUIDE SPECIALISTS is thriving and doing just fine."

Which brings me to where I add my two cents. As one of the Board of Directors, my thoughts were requested some time back on the proposed hike in membership dues and complaints about commercialization in the VUD. I had already offered no objection about the increase in dues, but suggested that club members deserved some sort of annual report of finances, income, disbursements, and membership size, which could be published in the VUD.

One the subject of commercialization, I made no response. Until now. I have no objection when those who spend large amounts of time and money make an effort to make some gain off their investments. A basic Judaeo-Christian principle (excuse my touching on another hot issue) is to not muzzle the ox that does the plowing. I had kept the copyright to the North American TV Data Base with the thoughts of publishing the information on my own outside the club. The only reason I didn't was that I felt the demand was not worth the investment. But if I had published, I would have considered promoting it in my column.

If somebody is putting his time and money into the club, his ability to profit from it could benefit the club. It is because I am unable to profit from my work that I can't afford a more current data base or other more accurate references, and therefore I have to caution readers of this column occasionally that some information may be faulty or outdated. Three examples appear under NEW STATIONS this month.

But I could understand objections if a member does little or nothing to benefit the club, yet attempts to make gain from the club.

I invite comments, friendly or hostile, to this soapbox.

FORUM

BILL THOMPSON (Buffalo NY) sent in a few newspaper clippings, two of which are from those fine print legal notices. One proposes construction of a LPTV on channel 13 in Buffalo, Kenmore, NY, at 70 watts. The other is for channel 45 in Buffalo, for 29 kw.

Another clipping, from the 1/12 San Diego CA Tribune, announces that San Diego Appliance, 1201 University Avenue in San Diego, is selling the

Hoover Elite 200 Upright Cleaner for \$59.99.

JIM RENFREW (Rochester NY) reports on local LPTV stations. W15AL, Brighton NY, went on the air 1/2/90; Jukebox Network; "The W15AL transmitter is 1000 watts and is located on Pinnacle Hill, the highest point in the immediate area of Rochester, upon which existing high power stations also operate. The signal is expected to cover 8-10 miles."

Other LPTV plans in the Rochester area are W38AW, to sign on March 1; W40AG (Channel America), W57BE (Evergreen Broadcasting), W59?? (Inspirational TV) and W63?? (Metro TV, Inc.).

More on those collapsed towers in North Carolina from **MATT SITTEL** (Raleigh NC): On 12/10/89 both WRAL-5 & WPTF-28's towers collapsed due to an ice storm. To explain the situation, on 12/8 around 3 pm rain changed to sleet, and continued, alternating back and forth from sleet to freezing rain and varying in intensity for 6 hours, and then stopping, only to start up again early 12/9 and continue for at least 12 hours more, depositing 2-1/4" ice.... By daybreak on Sunday 12/10 the sun melted one side of the tower, and not the other. The center of mass shifted and down came the tower. About 30 minutes later [the other] tower did the same.

"By day's end WKFT-40 had picked up WRAL-5's programming, and dual ID's began, yet 100% of the programming was WRAL's. By Monday morning WYED-17 & WFCT-62 were broadcasting WPTF-28." "This was the situation until I left 12/15 for home for Christmas. Upon returning 1/6, WPTF-28 had returned to the air." "The current tower is now located in Apex (Matt later adds that a TV Guide ad mentioned a 1300-foot tower in Apex. -wbf), site of sister FM WQDR-94.7, I'd say 15 miles west of its previous location in Auburn, NC. WRAL apparently returned 1/14 with some sort of signal from WTRG-100.7's tower in Middlesex, NC in southwest Nash County, about 20 miles northeast of its old location next to WPTF's tower.

"While WPTF's signal is not noticeably different from its previous signal ... WRAL's signal is noticeably more weak."

"Also, just a few days ago (~1/12) I noticed on channel 13 some sort of a 'Video Jukebox Network.' It consisted of a 900 number to order videos, and a screen of 4 constantly changing video titles. A computerized voice also is occasionally heard. Where this is broadcasting from I do not know, yet WBTM-13's audio and video can override this station with a little enhancement most mornings. Who is this?" (W13CI, Raleigh NC, 148 watts ERP, 114m/374' AG, TL 5721 Chapel Hill Road. -wbf)

"Also, on 12/1/89 WETO-31 Greenville, TN became WEMT-39. I still have yet to see WFXI-8 Morehead City, NC!"

LARRY FUSS (Fayetteville GA) sent an ad for the 1990 Television Factbook. For \$345 and \$20 shipping & handling, you can purchase the two-volume set. Or you can wait until the next time somebody wants to

sell a used edition for \$4. Or you can do like me. If anybody out there wants to sell a Stations Volume edition no older than 1987 for \$30, let me know. I'm still using my 1980 edition.

Indiana news from **RALPH STROBEL** (Muncie IN), who writes, "Did you know that WINM-63 Angola, IN no longer exists? According to Bob Zent (Huntington, IN) WINM went off air about the middle of November. Went broke." Oh, well, you winn some and you lose some.

"On 1/3 I noticed a new station on ch. 47. It is W47AZ in Indianapolis. This is a 24 hour Rock Video Network called 'Juke Box Network' (Miami, FL). It is in stereo. The signal is quite good here. Picture is a little fuzzy at 50 miles. I have no idea what their ERP might be." (41.5 kw ERP; 262m/860' AG; TL 2341 W. 79th St. -wbf)

Ch. 11 Indianapolis was supposed to be on air last Sept., but have seen no sign of it yet." (W11BV, Channel America, went on the air 10/28/89. Call 317-254-1511 for information. -wbf)

Two articles sent by Ralph relates to K26AD, Coeur d'Alene, translator for KUID in Moscow ID. A nearby high-powered transmitter was interfering with its reception of the original signal. Technicians made some temporary improvements to the system. The second article mentions application for FCC approval to construct a 1-kw microwave transmitter. Why microwave?

The new SYNDEX (syndication exclusivity) law has been upsetting viewers. One person I know is upset because certain programs on MWOR-TV in stereo are blocked out because a local Philadelphia station has the local syndication rights to those programs, but not in stereo. Another beef comes from **ALBERT LOBEL** (San Diego CA), who writes, "I feel that if I want to watch something I should be able to watch it when I want to watch it, not when someone feels I should watch it. To block a television or radio signal is most certainly a communist tactic. I will not stand for it. First, I will be placing my TV antenna ... on my roof with a more powerful amplifier in the not too distant future. Second, I have written letters to my local cable, my congressman and the FCC telling them in not so uncertain words what I think of the new SYNDEX law. I encourage all members of the [WTFDA] to do the same. If we are to protect our rights to DX the FM and TV bands we must fight now before it is too late. I have heard rumors that if the FCC had its way we would be forced to put devices that would block distant signals when they duplicate local programming in the next five years. I will never do any such thing and will cut the wires on any such device and use them to hang the idiot who tells me I must allow the device on my antenna."

To the best of my knowledge, SYNDEX refers to cable carriage of distant stations or cablecasters, and has no connection with any restriction of broadcast signals. And I am not familiar with any attempts by the FCC to install devices to block out certain programming. That would require the broadcaster to transmit some kind of coded signal prompting television sets in certain regions to reject the signal. You're talking about an awful lot of expensive technology.

JIM PIZZI (Paso Robles CA) reports, "KADE-33 in San Luis Obispo, CA is on the air 1-27-90. It is a satellite of KADY-63 Oxnard. Good signal here in Paso."

Jim also sent an article from the 1/11 Bakersfield Californian. "Four television stations broadcasting in Bakersfield have filed separate petitions with the [FCC] to block the sale of KDOB-TV Channel 45, owned by Dorothy Owens, to her brother, country singing star Buck Owens, owner of radio stations KUZZ AM and FM. The petitions allege that the brother and sister have secretly worked together from the beginning of KDOB (broadcasting began Dec. 18, 1988) in order for Buck Owens to realize a longstanding desire to control a television station."

"All the petitions before the FCC allege that Dorothy Owens underfinanced the station in the beginning in order to bring about a bankruptcy, which is a condition under which the FCC is more prone to waive its usual prohibition against ownership of a radio station and a television station by the same company in the same town."

This article about Canadian Home Shopping Club from **DAVE SINCLAIR** (Vancouver BC), who writes, "They would never be allowed to purchase unused UHF frequencies."

From the 1/2 Vancouver Sun: "It's a TV network with only still pictures of products, salespeople's voices and some printed on-screen information. There's no action, no movement, no pizzazz." (Sounds a little like CBSI -wbf) "Viewers also don't see the spreading tide of red ink at the Home Shopping Network. It has piled up \$48.4 million in losses for its majority owner, Rogers Communications, Inc., in less than three years. A senior executive says the subsidiary might have to get into other businesses if it doesn't obtain regulatory approval to use moving pictures on the air." "The [CRTC] rejected an application for motion earlier this year, but [vice president of broadcasting Jim] Soward said the network is still hopeful the broadcast regulator will change its stance."

"Other broadcasters opposed the application, arguing they're limited to 12 minutes of ads an hour while the home-shopping network can run 60 minutes' worth."

I only got one article left, which I clipped out myself. But it's late, and I don't care about the blank space to follow, so I'm calling it quits for this month. I'm not even bothering to check spelling.

Happy DX to all of you!

This is what happens when you forget to put a margin command in your text file. At least they didn't overlap!

JEFF FALCONER'S REPORT - continued

DECEMBER 15 E-SKIP

MUF at least 107.9!!!
 1606 unID 91.5 disco mx, "The Spark", WMIE?
 1607 WWOL 91.9 FL Lakeland, g\$, Central FL wx
 1609 WCOQ 98.3 FL Inokalee, \$, ad for West Coast
 Autobody in Naples 1170
 1610 WOKD 98.3 FL Arcadia, Charlotte Harbor ad
 1613 WAIL 99.5 FL Key West, r\$, WAIL SID 1340
 1619 WUSA 100.7 FL Tampa, classic r\$, W-101
 (sure this wasn't W-101 Brunswick, Ga. They
 are classic rock and W-101 Tampa is lite rock-gc) 1087
 1620 WJYO 107.7 FL Mt.Dora, old \$ Joy 108
 1622 WWRM 107.3 FL St.Petersburg, promo for lottery
 Warm 107-FM non ID 1088
 1625 WWO 106.3 FL Avon Park, \$, local ad 1125
 1629 WCAC 105.5 FL Sebring, \$, ads 1130
 1637 WHEW 101.9 FL Fort Myers, k\$ 1158
 1638 WAVV 101.1 FL Marco, bm\$, Wave 101 1185
 1640 WYGC 100.9 FL Gainesville, k\$, GC-101 965
 1643 WLYE 101.5 FL Miami, \$, local ad 1218
 1645 WHVE 102.5 FL Sarasota, soft r, j\$ The Wave 1107
 1646 WPIK 102.9 FL Summerland Key, perhaps this
 was the station with Spanish
 1647 WMXJ 102.7 FL Pompano Beach, heard WMXJ,
 Majic 102.7 in passing 1214
 1648 WRCC 103.7 FL Cape Coral, r\$, promo for Fort
 Myers Sun Socks, has moved here from 103.9 1159
 1652 WPFM 107.9 FL W.Palm Beach, ad for jewelry 1175
 1655 WJQY 106.7 FL Ft.Lauderdale, soft r\$, Joy 107 1216
 1657 WQBA 107.5 FL Miami, \$, Spanish programming 1218

DECEMBER 15 E-SKIP continued

1659 WEAT 104.3 FL W.Palm Beach, \$, ad, 1175
 1704 WKGR 98.7 FL Fort Pierce, \$, ad, 1138
 1705 WAAQI 98.3 FL Goulds, Spanish pop music\$ 1218
 1708 WOVV 95.5 FL Fort Pierce, old \$, ID 1138
 1710 WTMJ 93.1 FL Miami, \$, traffic report 1218
 1714 WCMQ 92.3 FL Hialeah, ads in Spanish 1213
 1719 unID 91.5 unID with g\$ announcer with Caribbean
 accent
 1730 fade-outs
 DECEMBER 16 Tr-Scatter
 0012 WHZR 103.7 IN Royal Center, \$, community cldr
 Hoisser 103 315
 0057 WBVE 96.5 OH Hamilton, k\$, Beaver 96 1/2
 very strong 329
 DECEMBER 17 Tr-Scatter
 1348 WEEL 97.3 WV Wheeling, bm\$, ads, strong! 248
 1400 WYXI 97.3 NY Ithaca, weak w/CJEZ/WEEL, ID 263
 1421 WQRT 98.3 NY Salamancs, k\$, wx, Great 98 162
 1538 WRKY 103.5 OH Steubenville, r\$, The Valley's
 Heavy Music Station, Rocky 103.5 FM 228
 1540 WELA 104.3 OH E.Liverpool, k\$, Country 104.3 211
 DECEMBER 21 Tr-Scatter
 2310 CFMO 93.9 ON Ottawa, bm\$ nice sig., no CKMR306
 DECEMBER 23 Tr-Scatter
 1438 WLTI 92.9 PA Pittsburgh, soft r\$, lite 92.9 WLTI 227
 DECEMBER 28 Tr-Scatter
 1423 WESA 98.3 PA Charleroi, ads\$, Class-FM 250
 1551 WPCX 106.9 NY Auburn, ads for Geneva 250
 DECEMBER 29 Tr-Scatter
 1438 WVAQ 101.9 WV Morgantown, k\$, ad for Victory
 Ford (sure they are k, they have been r for awhile-gc) 285

REPORT TO NORTHERN FM DX II

BILL NIENAJADLY - 98 HIGHLAND AVENUE - CLIFTON, NEW JERSEY 07011

Equipment: Sony ST-J6 tuner modified with 180 khz filters, Antenna GFM-6 (Radio Shack 6 element) Alliance U-110 rotor, CAC-11 Coax.
 Totals: 337, Es: 69, M.S-5, USA: 29, CAN: 2, 32 TPU



JANUARY 7, 1990 GW/Tr-Scatter

0410 WKSR 102.7 PA Williamsport, ID 158
 0415 WXXV 102.7 MD Baltimore, ID, V-103 174
 JANUARY 9 TROPO
 1800 WTYD 100.9, WHS 104.9, WGBH 89.7, others
 JANUARY 12 TROPO-SCATTER
 2205 WMIX 99.3 PA Harrisburg, Mix 99.3 145

JANUARY 15 TR-SCATTER

0641 WBUF 92.9 NY Buffalo, in/out with WMGSI! 275
 2002 WOVV 92.9 NY Buffalo, in/out with WMGSI! 275
 1515 WARY 88.1 NY Valhalla, ID, freq change
 ex 88.5, MONO signal 30
 JANUARY 21 GROUNDWAVE
 1700 (WWWK) 99.3 NY Ellenville, K-Lite, very strict,
 format same as WLTW-lame to the max, ex WELV 68

Raised antenna higher-much improvement!! WBUF has been heard a few times, I even called Greg and played it over the phone. Distant troposcatter on a daily basis includes WYFI 99.7, WFOG 92.9 310 miles, WCNY 91.3, WYYY 94.5 NY 200 mi plus, WEZF 92.9 VT 260 miles, WBUF 92.9 Buffalo 275 miles all heard at least once a day. I won't include these stations in my reports unless they come in steady tropo, which would be quite rare! Is anyone else having luck with the filter modification? I recently modified 2 portables, sad to say not much luck, but those DXers who modified their home tuners with at least 4 filters had much success! One last comment: I'm very sad to see that FCC FM News was cut back, please let more information in the VUD, not less!

GOODXing, Bill

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK, 14221

STEREO PROBE 9 now my FM antenna:

JANUARY 17, 1990 TR-SCATTER
 1300 WRDR 104.9 NJ Egg Harbor City, big bands, ID
 very far for class A, probably 340 miles!!

JANUARY 18 TR-SCATTER

1610 WFRQ 99.1 OH Fremont, lite rock ments, local ads

JANUARY 19 TR-SCATTER

1210 WAWZ 99.1 NJ Zarepath, g, thanks Bill Nienajadly!!

FEBRUARY 3 E-SKIP

1010 brief FM: 95.1 with Madonna tune, 91.7 country

FEBRUARY 4 TR-SCATTER

1940 WHKQ 99.1 OH Dayton, k, 380 miles!!

FEBRUARY 8 TR-SCATTER

1305 WFRM 99.3 PA Franklin, calls right?? Many
 mentions of "best mix" and local ads

1340 WOKY 99.3 PA Emporium, k, local mentions

As you can tell by my report likely, most of my recent DXing has been centered on 99.1, where CKO's tone has finally been shut down. Skip very brief on 2/3. See this column's header for a special deadline for May's column.

73, Greg

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner - \$ stereo Probe 9 Antenna 37 feet above ground

October 1989 (GDT)

3 MS
 1753 KIL0 93.9 CO CO Springs-Pueblo 1040
 6 tr
 2355 WRD 95.7 OH Gibsonburg-Toledo, 135
 (o/WGLR 95.7 OH Piqua) r\$
 15 MS
 0102 KMXR 93.9 TX Corpus Christi 1098
 16 MS
 2206 KOYN 93.9 TX Paris 719
 2310 KOYN 93.9 TX Paris 719
 20 MS
 1104 KOYN 93.9 TX Paris 719
 2357 KOYN 93.9 TX Paris 719
 23 tr
 0101 WUCX 90.1 MI Bay City-Saginaw- 248
 (New to airwaves) MIDland, j\$, //WCMU
 (WFEI 90.1 IN Indy, off air Mon morn)
 25 tr
 2001 WMMC 105.9 IL Marshall, wx, r\$, 137
 (New to airwaves) s/off
 (o/WPFB 105.9 OH Middletown)
 26 MS
 0840 KIL0 93.9 CO CO Springs-Pueblo 1040
 28 tr
 0043 WHVT 90.5 OH Clyde, g\$, 370w 137
 (ID o/24 hr. WKAR & WUOL)
 31 MS
 2143 KMXR 93.9 TX Corpus Christi 1098
 November 1989 (EST)
 3 MS
 0124 WNN 98.7 IL Springfield, 228
 Previous tr
 7 MS
 0858 WTBX 93.9 MN Hibbing 625
 1346 KOSI 101.1 CO Denver 1040
 1355 KOSI 101.1 CO Denver 1040
 9 MS
 ??? WNOE 101.1 LA New Orleans 754
 22 MS
 0510 KOYN 93.9 TX Paris 719
 0510 KMXR 93.9 TX Corpus Christi 1098
 24 MS
 0730 WZZU 93.9 NC Burlington 431

December 1989

3 MS
 0218 WLVE 93.9 FL Miami Beach 1040
 6 MS
 1008 WKGL 93.9 ME Lewiston, 822
 Previous Es
 8 MS
 0012 WLVE 93.9 FL Miami Beach 1040
 9 MS
 0026 KDSR 101.1 ND Williston 1058
 2141 KELIT 98.7 TX San Angelo 1025
 10 MS
 0222 WLVE 93.9 FL Miami Beach 1040
 13 MS
 0500 KLUV 98.7 TX Dallas-Ft. Worth 814
 0604 WKGR 98.7 FL Fort Pierce 926
 ??? KSES 98.7 ? ? ? 777
 ??? WKGR 98.7 FL Fort Pierce 926
 2321 WMZQ 98.7 DC Washington 454
 14 MS
 0743 WKGR 98.7 FL Fort Pierce 926
 15 Es
 1647 WLVE 93.9 FL Miami Beach 1040
 1658 WZZR 92.7 FL Stuart, ads 944
 15 MS
 2341 WCTE 100.3 FL Plantation Key 1088
 23 MS
 0327 WKGR 98.7 FL Fort Pierce 926
 29 MS
 0122 WKGR 98.7 FL Fort Pierce 926
 0718 WKGR 98.7 FL Fort Pierce 926
 0741 WKGR 98.7 FL Fort Pierce 926
 30 MS
 0420 WKGR 98.7 FL Fort Pierce 926
 31 MS
 0102 WKGR 98.7 FL Fort Pierce 926
 0244 WKGR 98.7 FL Fort Pierce 926
 January 1990
 1 MS
 2222 WMZQ 98.7 DC Washington 454
 4 MS
 0231 WNOR 98.7 VA Norfolk 551
 5 MS
 0224 WFPG 96.9 NJ Atlantic City 584

Meteor Scatter Results:

10/ 7 KIL0 "...the kilo two for Tuesday..."
 10/15 KMXR "...to fool the KGB. This is AP
 Network news. This is the new mix 93.9
 KMXR Corpus Christi..."
 10/16 KOYN "...KOYN - good evening..."
 KOYN "...and KOY..."
 10/20 KOYN "...on KOYN..."
 KOYN "...435 Clarksville, Paris.
 Well, I gotta go, It's about three minutes
 away from 12 midnite..."
 10/26 KIL0 "...studios, huh? Nah, it's 3-4
 blocks. I see, for Denver Equipent. Now
 tell me what goes on at Denver Equipment."
 10/31 KMXR "...KMXR playing the best
 mix of..."
 11/ 3 WNN "...Lite Rock-99..."
 11/ 7 WTBX "...and nothing to be afraid
 of. First Aid, Minnesota...WTBX...Grand
 Rapids-Duluth-Superior. Right now we
 hear from..."

11/ 7 KOSI "...Charlene...of Englewood.
 pretty soon. She's on her way to Hawaii
 from her friends here at KOSI..."
 KOSI "...KOSI news update..."
 11/ 9 WNOE "...and winds are SW at six.
 Here in French Quarter 50 degrees and..
 station WNOE..."
 11/22 KOYN "...KOYN..."
 KMXR "...93.9 KMXR..."
 11/24 WZZU "...U-93.9 - Love bites a
 big'n. It's 7:30 with Steve..."
 12/ 3 WLVE "...and mail it to Love-94,
 Home for the Holidays, Miami, 33169.
 You might just be headed anywhere in
 the United States..."
 12/ 6 WKGL "...Eagle-94 - WKGL..."
 12/ 8 WLVE "...Love-94 with love jazz
 every night and all..."
 12/ 9 KDSR "...KDSR - I'm Rob Allen
 gettin' set to take off..."

- continued on page 17

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

March 1990

DEADLINE: 10th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Report today!

WILL THE AURORA MAKE A COMEBACK? KEEP TUNED.

Es and long trop pretty much inactive the last month. Conditions are getting so slow that there must be no where to go but up as the new DX season draws near. For now, it's prime time for aurora DXing in the South. As rare as aurora activity is in the South, try to catch it while conditions for its appearance are currently more favorable than usual. A pale red glow in the night time north sky will be the tip-off. Aim antennas north and good luck.

AN OLD PIONEER GETS REJUVENATED THROUGH A HIGHLY SELECTIVE TRANSPLANT.

The favorable results going on recently in modifying tuners and receivers for better selectivity intrigued me (your SFM editor) enough to try the same procedure on my old Pioneer TX-9100. The 9100 required 4 of those little magic narrow band IF filters. Once finished installing them, I tuned to an old problem frequency, 92.7. Before getting anything weak on 92.7 was always difficult to impossible due to adjacents from Oklahoma City and Tulsa. Now with the modification a very weak signal on 92.7 was clearly audible with very little splatter interfering. Time was early evening. Further monitoring revealed it to be a first time logging being KLOZ Eldon, MO. This 700 watt was about 275 mi. away. The OKC and Tulsa stations on either side of KLOZ are about 50 miles away. And KLOZ was easily center tuned. On my Onkyo T9090 KLOZ was also in but with a bit more splatter. Both tuners really did fine on that sandwich test. In a different situation the Onkyo failed miserably. With the antenna aimed toward KMOD 97.5 Tulsa, the Pioneer could easily lock in an Edmond station on 97.7, located about 40 mi. southwest of me. (Tulsa is east.) And center tuned it did. On the Onkyo, Edmond was incomprehensible through the splatter. In another situation a Ponca City station on 99.3, comparable to Edmond, was tuned in while the antenna was once again pointed toward Tulsa. This time both tuners did about an equally great job. Since the Ponca City station was to the left of Tulsa while the Edmond station was on the right, I figured the Onkyo's selectivity is uneven. Further evaluation is needed on how the Pioneer does around the three strongest locals here. Reception conditions have generally not been favorable. And in my part of the country where urban areas are much further apart, unlike the crowded Northeast, ideal circumstances for heavy duty testing for selectivity are not always easy. Anyway, I think this technique for souping up selectivity is the best news for FM DXing to come along in quite some time. Take advantage of it in time for the new DX season.

In modifying the Pioneer, finding the four filters is very easy. They are on the circuit board located under the black cover where it is marked "IF Section". Gaining access to the soldered side of the circuit board isn't so easy. The back panel must be unscrewed and gotten out of the way. Fortunately, making it easier, the filters are located near the outer edge of the circuit board. If you need to lift the circuit board higher (it can't be moved much with so many wires coming out of it) to apply the soldering tip, cut the bare meshed wire. Be sure to let the service dept. of a stereo or TV shop handle it, if you're not handy with a soldering iron.

As reported before in SFM, a pioneer in modifying tuners for better adjacent channel selectivity was none other than an engineer for the famed McIntosh MR-78. He feels that 50 db, or better 100 db of adj. channel selectivity is needed under worst reception conditions. His prototype MR-78 exceeded 100 db. While evaluating the Onkyo T9090 for a report his reservation with the Onkyo's selectivity led to a brainstorm. He switched the super narrow filter on a MR-78 to the Onkyo. With some rearrangement required of a few components on the circuit board the Onkyo's selectivity improved to 80 db. Since I am not a tuner engineer, I will forego tinkering with my Onkyo for now. It has 3 IF filters labeled differently, so which one can be pulled? I wouldn't mind though, hearing about any successful tinkering with the Onkyo T9090. Thanks everyone for spreading the good word about those filters.

Richard J. Michaels, 641 W. 21st St., San Pedro, CA 90732

Equipt: Realistic FM receiver STR 501, antenna: long wire

1/13
0300 88.7 KFAC CA Santa Barbara
0310 89.7 KSGN Riverside, "Keep Sharing
The good News"

1/13
0325 90.1 KLRD CA Lucaipa, "K-Lord"
0330 90.3 XHITZ BC Tijuana, "z-90 FM"
0340 91.1 XETRA BC Tijuana, "91X"
cont.

SOUTHERN FM DX

1/13
0400 92.9 KSCB CA Santa Barbara, o/KVCR?
0420 92.5 XHRM BC Tijuana, "Power St."
0430 92.7 KWDJ CA Riverside, "DJ-92"
0440 93.3 KEGR CA El Cajon, w/some inter.
from KZLA on 93.9
0500 94.1 KFSD CA San Diego
0510 94.3 KMGX CA Saugur-Valencia, Magic 94
0512 94.5 XHKY BC Tijuana, "Y-94"
0515 94.9 KWLT CA San Diego, "K-Lite"
0520 95.1 KBBY CA Ventura, "Flying high,
KBBY"
0525 95.7 XHTY BC Tujuana
0530 95.9 KZTR CA Camarillo, "96 ZTR rock
classics", over KEZY
0535 96.5 KYXY CA San Diego, "Y-96"
0543 96.7 KCAL Redlands, o/KWIZ
0600 97.3 KSON CA San Diego, "San Diego's
country"
97.5 KDUI CA Riverside

Michaels, cont.

1/13
0615 98.1 CA KIFM CA San Diego, "Jazzy 98 FM"
98.9 XHQF BC Tijuana
0620 99.9 KTYD CA Santa Barbara, "Your home of
rock 'n roll for 15 years--K-tied"
0635 100.7 KHAY CA Ventura, "K-hay country FM101"
KFMB CA San Diego, "B-100 FM"
0700 99.7 XHBCN BC Tijuana, "Radio Amore"
0715 101.5 KGB CA San Diego, "San Diego's
home of rock 'n roll 101 KGB-FM"
0720 101.7 KTOT CA Big Bear, "Mountain Radio"
0730 102.1 KGMG CA Oceanside, "Magic 102"
0740 102.9 KSDO CA San Diego
0800 103.3 KRUZ CA Santa Barbara
0815 103.7 KJQY CA San Diego, "K-Joy"
0830 104.5 XHLTN BC Tijuana, "Radio Latina"
0900 104.7 KCAQ CA Oxnard, "Q-105"
0910 105.3 KCBC CA San Diego, "Eagle 105"
0915 106.5 KKLQ CA San Diego, "Q-106"

#####

NORTHERN FM DX continued from page 15

FEBRUARY 1990

Ralph Strobel's report continues:

12/9 KELI "...for San Angelo..."
12/10 WIVE "...on North 63rd St., North
Miami Beach. The Love-94cast for today
looks just excellent..."
12/13 KLUV "...UV 98.7 Dallas-
Fort Worth..." (SID)
WKGR "...We'll be back at KG..."
KSES "...KSES news..." (Where??)
WKGR "...In Fort Pierce, call...
1923, or in Stuart, call 287-7888 for
complete details..."
WMZQ "...back to the phones
on WMZQ..."
12/14 WKGR "...KGR. Remember that..."
12/15 WCTH "...WCTH 100.3 FM..."
12/23 WKGR "...Tonight from 9 until 11,
so join Kevin at the Pirates Loft at 4307
Southeast Bayview in Port Salerno. For

more info just call us at 98.7 KGR..."
12/29 WKGR "...KGR..."
WKGR "...Fort Pierce and Mel-
bourne, near the ? in Florence, for
great service and low rates..."
WKGR "...Steam Motor Mall in Fort
Pierce presents its biggest sale of a
decade..."
12/30 WKGR "...KGR..."
12/31 WKGR "...Melbourne and the
Palm Beaches..."
WKGR "...music by Cheek of Fort
Lauderdale and it's all for just
\$198.00 plus tax..."
1/1 WMZQ "...ZQ-98..."
1/4 WNOR "...right now...from WNOR..."
1/5 WFPG "...the oldest established
men's shop in South Jersey..."

Can someone explain why certain stations are heard frequently be meteor scatter and others I need are never heard? On 98.7 I have never heard the following FM's by any kind of propagation.

KRTZ Cortez, CO	WGBA Corning, NY	WRCM Jacksonville, NC
WOZN Key West, FL	WRKS New York, NY	WIKZ Beaufort, SC
KQWB Moorhead, MN	WNYZ Utica, NY	KELI San Angelo, TX
WIIW Vicksburg, MS		CBGB Owen Sound, ON

On 93.9 the following stations have never been heard by any type of propagation:

WHYC New York, NY	WKXZ Norwich, NY	CFMO Ottawa, ON
-------------------	------------------	-----------------

I have gone through my logs to determine which years since 1980 have logged the most stations. Here are the results. As one can see, some years have been poor.

1980 - 144	1982 - 119	1984 - 14	1986 - 73	1988 - 94
1981 - 58	1983 - 81	1985 - 43	1987 - 145	1989 - 137

The meteor showers of October and December 1989, as well as early January 1990 were lousy this year. There were quite a few bursts, but none long enough to do the good I was hoping for. Before I know it, the few open frequencies will be gone.

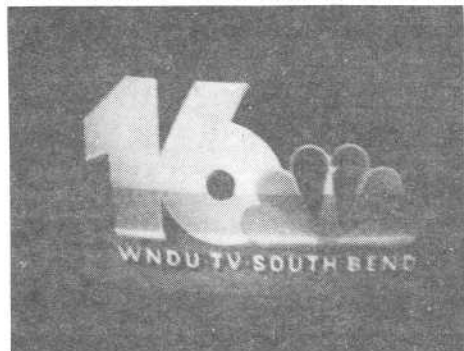
73 - Ralph

PHOTO NEWS

MARCH 1990

Mailing Address:
PHOTO-NEWS - P. O. Box 155 - Clarence, NY
14031-0155 U.S.A.
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be returned.
EDITED BY
David J. Nieman

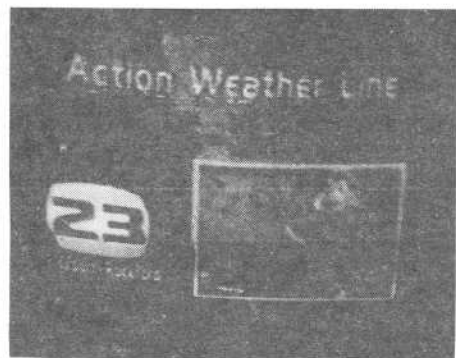
Welcome to new reporter, Jerry Beaudin - Curtis, Michigan (70 miles west south-west of Sault Ste. Marie). The first six (6) fotos well show what a large body of water (Lake Michigan) can do to improve tropo reception. Jerry's equipment is: 20 year old Magnavox with a 10 year old Sylvania chassis & Quasar tuners, 7 foot Channel Master dish at 45 feet AGL with Winegard PA 4975 preamp & RG-6.



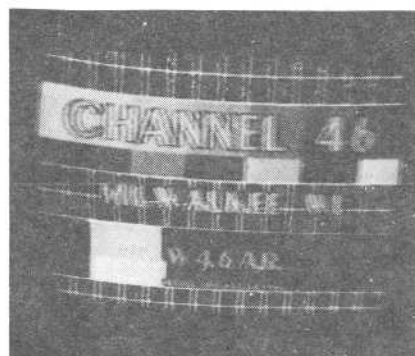
WNDU-16
South Bend, Indiana
319 mile tropo
seen August, 1989



WICS-20
Springfield, Illinois
480 mile tropo
seen August, 1989



WIFR-23
Freeport/Rockford, IL
319 mile tropo
seen August, 1989



W46AR
Milwaukee, Wisconsin
240 mile tropo
seen August, 1989

PHOTO NEWS

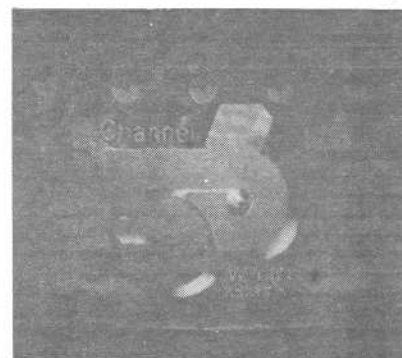
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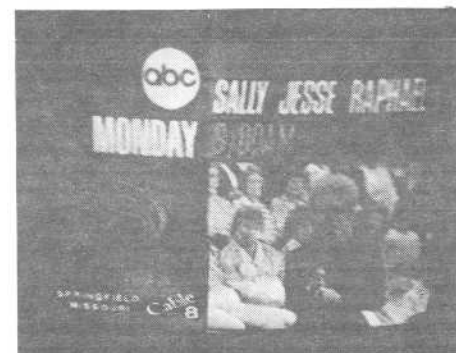
Jerry thanks hurricane Hugo for bringing in KSPR and other DX stations in late September.



WEIU-51
Charleston, IL
480 mile tropo
seen Aug. 1989
"data base shows this station
only 48.5kw - 234 HAAT"



WYIN-56
Gary, Indiana
320 mile tropo
seen August 1989



KSPR-33
Springfield, Missouri
722 mile tropo
seen September 18, 1989

...more from Jerry next month courtesy hurricane Hugo.

DAVE

**QSL CORNER
&
LOGOS RUN**

Thomas J. Yingling, Jr., KA3TCC
221 Pinewood Road
Baltimore, MD 21222-2345
Phone # 301-282-5649

First off, I really must apology for me missing a few months. I have been busy with trying to upgrade my amateur radio license to general (& still having a real time with the code.), my computer & disk drives (Commodore 128) was in shop with upgrade roms & rams and then not having the time to work on the column. I hope things should return to normal, and be regular again. I do have a few qsl items that did come in mail, and some from before. So here goes...Note: PFC stands for prepared card.

LA KXKZ 107.5 Ruston, P. O. Box 430, zip 71270. Letter from Dan Hollingsworth, Mgr in 4 months, after follow-up report. (Holbrook)

LA KLSA 90.7 Alexandria, X Louisiana State University & A & M College, 99 Lake Shore, Baton Rouge, LA zip 70803. Verie PFC received after follow-up report, signed by Keith Stokes, CE. (Holbrook)

MS WQST 92.5 Forest, P. O. Box 1539, zip 39074. Verie received after follow-up report send, signed by James H. Johnson, Sr. CE. Also send bumper - sticker. (Holbrook)

TX KPFT 90.1 Houston, 419 Lovett Blvd., zip 77006. Verie received from Mary Helen Hertzbacher, General Mgr. after follow-up report who says "Sometimes people in Houston have problems picking us up, so we were happy to hear from you." Letter says 100,000 watts at only 475 feet. (Holbrook)

VA WKSX 96.1 Cape Charles, P. O. Box 613, zip 23310. Verie back after follow-up report from unreadable name, on my PFC card. (Holbrook)

ONT CFPL 95.9 London, P. O. Box 2880, zip N6A 4H3. Letter from Barry Smith, Program Mgr. & send back PFC card signed

by Andrew Brizle, Technician. (From ? I lost the letter sorry.)

NY WBSU 88.9 Brockport, Seymour College Union, SUNY College at Brockport, zip 14420. Letter from Timothy J. Lyman, General Mgr. They changed to 89.1 in May 89'. (same person as above)

NY WBFO 88.7 Buffalo, Allen Hall, University of Buffalo, zip 14214. Letter from David Benders, PD send PFC card signed by M. Helen MacDonald. (same person as above)

MS WLBT 3 Jackson, Box 1712, zip 39215-1712. PFC card & letter in 3 weeks from Floyd Kinard, Dir. of Eng. My 28th state qsl'ed on tv. (Ross)

NC WGNL 102.7 Wilmington, 211 N. 2nd St, zip 28401. Send PFC in 3 weeks from Mike Farrow, Pgm. Dir. (Ross)

MI WADL 38 Mr. Clemens, Mt. Clemens, zip 48043 (no address given), send postcard signed by Bob Gross, CE, WB8DGK in 3 months. (Ross)

OH WOTL 90.3 Toledo, Box 68017, zip 43606. Send PFC in 2 weeks, from Wayne Stafford. (Ross)

NY WBER 90.5 Rochester, X 41 O'Conner Rd., Fairport, NY zip 14450-1392. Send PFC & letter from Andrew Chant in 5 weeks. (Ross)

ME WHCF 88.5 Bangor, Box 5000, zip 04401. PFC in 2.5 months from Ronald M. Stover, CE for my 31st state qsl'ed on fm. (Ross)

FL WZTA 94.9 Miami, 4330 N.W.207 Drive, zip 33055. PRC & station card in 14 months from Richard A. Vanhoek, Tech. Dir. (Ross)

MT KRKX 94.1 Billings, 4140 Kirk Ave. East, zip 59101. PFC & letter from Charles H. Dozier, CE. back in 1 month. (Ross)

MI WK01 95.5 Oak Park, 15401 West Ten Mile Rd., zip 48237. PFC & business card back from Berry B. Zack, CE in 2 weeks. (Ross)

NY W6R 96.9 Buffalo, 464 Franklin St, zip 14202-1399. PFC & note from Doug Wolf in 3 weeks. (Ross)

OH WHVT 90.5 Clyde, Box 273, zip 273. PFC from J. Waugh in 3 weeks. (Ross)
NOTE: please send in qsl items as I'm getting low in my supply for use in this column. Also send in the very latest newest tv id logos for beginning of the new dx season. 73's and many thanks.

NewsTeam 4 **3 NEWS**
WICZ-TV WSTM-TV SYRACUSE

WBNG-TV 10

Central New York

WIXT-Syracuse

9

27 47
W27AJ-TV DOVER WMDT-TV SALISBURY, MD

4

5 WYTV WOLF-TV 38/56

34 WYHO-TV WYHO-TV

3 WYIC-TV CLEVELAND

NEWS 5

43 WLWB

WMDT-TV CHANNEL 47 Salisbury

WJCL *nintan*
YOUR SUMMER VACATION STATION

45 WBFF-TV BALTIMORE

20 WUTR-TV UTICA - ROME

5 WYTV-TV

33 WTVZ

3 WTKR-TV

29 WTXF-TV PHILADELPHIA

3 KYW-TV

12 WWBT

28 WBRB-TV

25 WOLO-TV Columbia

29 WUTV

7 WNNY-TV

wtvh 5 syracuse

WATCH JEOPARDY! MON.-SAT. ON WKTV 2

Wolf TV 38 & 56

24 WTAT

TV 22 WYOU

35 WRLH

COUNTERFORCE WKFT40

12 Eyewitness News WRDW-TV-AUGUSTA

10 WISTV

2 WUHF

31

5 WYTV

29 WYAT-TV

WOLF-TV 38/56

WYMT 43

TV Channel 65

HBC HOME SHOPPING CLUB

TV 8 WUHP

wfmy-tv

Classic Hymns & Biblical Answers

WEJC TV-20 7 PM. Sunday

\$5 free first time you shop.

Greensboro • High Point • Winston-Salem

WPML-TV

YOU & WBTV 3

The Best Belong Together

WCCB-TV 18 CHARLOTTE

36 WPCQ-TV

17

WCCB-TV 18

WCCB-TV 18

WCCB-TV 18

WCCB-TV 18

OETA
NET 3 12
KUSA 11 13

WTVT 13

02 NEWS MEMPHIS 3

WMDT-TV 47

Wolf TV
38 & 56

NOW ONE MILLION WATTS STRONGER ON THE NEW CHANNEL 56 TOWER OF POWER!



Submitted by Tom Bryant
249 Todd Preis Dr.
Nashville, TN 37221

THE HISTORY OF TELEVISION
[Conclusion]

The Satellite Age Begins:

In 1962 the first major use of satellite repeaters came into play. TV programs were relayed between the U.S. and Europe via AT&T's Telstar I communications satellite. Two years later Syncom III relayed a telecast from Japan to North America. As more satellites were launched, more video services were added. Now, virtually all programming is relayed by satellite. Beginning in the early 1980s local stations had begun to utilize satellite links for local programming; particularly news actualities.

Technology Marches On:

Videotape machines, which had been introduced in the early 1960's were continually being refined. Two highlights in that area are the development of the video cartridge player and the hand-held camera. Both of those systems were ultimately fine-tuned and have become industry standards. Digital timebase code editing revolutionized the video production industry. Transmitting antennas were improved, and circular-polarization paved the way for better reception.

Audio Advances:

Stereo sound was a late arrival in an industry that generally had been more concerned with what was seen than what was heard. As was the case with color, there were competing systems for stereo tv audio. Zenith scored the victory and the FCC adopted the system in the early 1980s.

LPTV:

Low power television stations were first authorized in 1982. They have secondary status to full-power stations and are limited to 10 watts VHF and 1000 watts UHF. The commission predicts that as many as 8000 such facilities will eventually be in operation (including 4000 existing translators which may easily be upgraded to LPTV status).

The Future:

Although it is difficult to project the future course of the industry, we do know that HDTV (high definition television) or some sort of spinoff of that technology such as IDTV (improved definition tv) will likely be introduced in the not too distant future. Broadcasters and developmental engineers are deeply involved in a search for a worldwide standard. Compatibility differences between existing systems and HDTV present the greatest hurdle to rapid adoption of any single system; and it may well evolve that several different systems will eventually be used, regardless of compatibility.

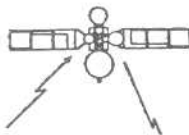
A Final Comment:

As DX-ers we can rest assured that our hobby is not in jeopardy...yet! DBS (direct [to home] broadcast satellite) as well as conventional satellite technology may eventually bring about the extinction of over-the-air tv transmission as we know it. Better get all the new ones you can...while they're still there!

WREX 13
WBOC-TV
WWSN
KTVX
WDTV 68
WISTV
KNME-TV
WJFV 12
WDBJ 7
Newscenter 13
WYOU 22
NEWS 3
NEWSLINE 9
KAS 38
WNRW-TV 45
WPTV 24
WFLA-TV 12
WRAL-TV 5
WKFT 40
WFRV-TV 5

WUNF-TV	33	Asheville
WUNC-TV	4	Chapel Hill
WUND-TV	2	Columbia
WUNG-TV	50	Concord/Charlotte
WUNK-TV	25	Greenville
WUNM-TV	19	Jacksonville
WUNE-TV	17	Linville
WUNP-TV	36	Roanoke Rapids
WUNJ-TV	39	Wilmington
WUNL-TV	26	Winston-Salem

SATELLITE NEWS



GEORGE W. JENSEN
4604 Anntana Avenue
Baltimore, MD 21206-4220

Another relatively slow month. TV Guide reported a while back several new cable services which (obviously) will be carried by satellite. These are: Sci-Fi Channel, Cowboy Television Network, HA (a comedy channel) and SNN - Sports News Network. At this time only SNN is operational and is located on Satcom 4 XPDR 2.

Interesting happenings on PanAmSat. Something called PSSI HP-TV Network which carried a Teleconference for Cardiologists was noted recently on XPDR 2. Also CNN has been noted in the clear on the Ku side. The mix is a little different in that CNN Telemundo in Spanish is also interspersed. ECO/Ga levision was also noted on XPDR 5 with a weakish signal and in PAL color format. This only lasted for about a day.

Morelos 2 ID. XPDR 8 ID's as ITESM Campus, Monterrey. It seems to be primarily an educational/instructional channel. I haven't noted any other activity on this bird. XPDR 7, 9 and 11 on Morelos I remain active, but are so weak that I can't ID them at this location. Can anyone out there help on these?

Prime Sports Northwest was noted on Telstar 303 XPDR 13V

The Azores is noted regularly on Westar 4 XPDR 20 in Portuguese and NTSC (our) color system. This is similar in intent to the TVE Internacional (Spain) type of world service noted last issue. It is beamed specifically for viewers in the Americas, Canada, The United States and Bermuda. Time for this seems to be 6 - 6:30 PM

A new array of VOII Plus encoded services will locate soon on Telstar 303. It ran a brief promotional test on XPDR 3 and ID'd as T V N.

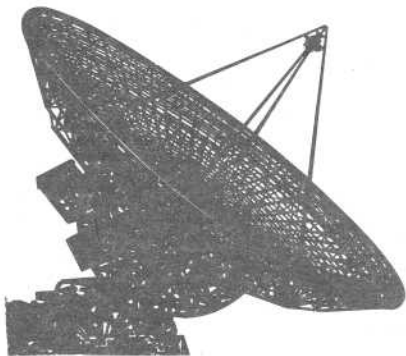
Florida Tourism Channel is operating in the AM's on Satcom 1 XPDR 22.

Nebraska Public Television is relaying its services on Spacenet 2 XPDR 2 with Nebraska Public Radio being subcarried.

CBS News Moscow has had feeds all over the place. The chief engineer has the hots for In The Mood which is played over and over again as a sound test signal.

That's all for now - see you in 30.

George



NWS NEWS

IN THIS ISSUE:
Matt recaps his DX of 1989, and takes you into the '90s with his latest DX! Also, Matt tries to figure out where the "obvious" missing NWS stations are!

Matt Sittel
PO Box 21441
509G South Hall, NCSU
Raleigh, NC 27607
(919) 737-5477
Deadline: 4/1/90
for 5/90 column

NWS News editor is:

MARCH 1990

MARCH 1990

Again, this will be another short column. Again, I have received no reports. Am I the only person who likes NWS DX anymore? Let's hear from someone else, OK? Anyhow, I'll do my best to entertain you with my own DX (which hasn't been that great) and other features. Hopefully you can help me out for the next column!

Matt Sittel, NWS News Editor

DECEMBER 1989				JANUARY 1990					
02 tr	1115	KEC95 .400	SC Myrtle Beach	123	16 tr	2123	WXL42 .400	NC Winston-Salem	88
10 tr	1519	KHB31 .550	NC Wilmington	116	18 tr	0853	KHB31 .550	NC Wilmington	116
	2130	KEC95 .400	SC Myrtle Beach	123		0853	unID .400		
	2130	WXL59 .475	NC Rocky Mount	66	24 tr	0000	KEC95 .400	SC Myrtle Beach	123
11 tr	0600	KEC95 .400	SC Myrtle Beach	123		1824	WXL42 .400	NC Winston-Salem	88
	0723	KHB29 .550	SC Charleston	200		2218	KEC84 .400	NC New Bern	104
	1137	WXL42 .400	NC Winston-Salem	88	25 tr	1916	WXL42 .400	NC Winston-Salem	88
	1244	KHB31 .550	NC Wilmington	116	28 tr	0558	WXL42 .400	NC Winston-Salem	88
	1330	WXL59 .475	NC Rocky Mount	66	31 tr	0826	unID .400		
12 tr	0923	KEC95 .400	SC Myrtle Beach	123					
	1428	KHB31 .550	NC Wilmington	116					

Both the unIDs were likely WXL42.

Not much DX to speak of during December and January. KHB29 is logging #15 on NWS. This could be attributed to the fact that the 2 1/2" ice storm that hit the area occurred on 12/8 and 12/9. Local WXL58 was on low power, so it was vulnerable to the slightest enhancement to be overridden easily. And fortunately, that happened!

Now, here's a recap of my NWS DX for 1989:

1.	KHB31	162.550	NC	Wilmington	116	40	The listing at the end of each is how many times I received that particular station during the year. I logged Rocky
2.	KEC95	162.400	SC	Myrtle Beach	123	33	Mount for awhile, then I didn't log it,
3.	WXL42	162.400	NC	Winston-Salem	88	28	6 and then I did again, so its total should
4.	KEC84	162.400	NC	New Bern	104	18	certainly be much higher than 6, but it
5.	WXL59	162.475	NC	Rocky Mount	66	6	still is probably less than 18. There are
6.	KEC85	162.400	GA	Savannah	298	4	3 stations I have yet to log and I'm not
	WXL56	162.400	NC	Asheville	253	4	sure why they have not been logged; those
8.	KIH26	162.400	FL	Daytona Beach	483	1	are: Charlotte(.475), Cape Hatteras(.475)
	WXJ20	162.400	SC	Columbia	173	1	and Florence, SC(.550). For awhile it
	WXM57	162.400	VA	Heathsville	195	1	seemed as if .550 was occasionally pene-
	WXX75	162.475	GA	Waycross	382	1	trable, but only if the signal to do so
	WXM65	162.525	GA	Baxley	328	1	was Wilmington, and .475 was even more
	KHB29	162.550	SC	Charleston	200	1	difficult, even though Fayetteville was

of loggings for the calendar year 1989---139

over twice as far away as Raleigh/Durham. Then I logged Waycross on .475, which gave me new confidence that this station was not as domineering as I thought. Then I logged Charleston on .550, which although not as surprising as logging over .475, was still a welcome treat. So the aforementioned 3 are closer than my further away loggings on .475 and .550, so what gives?

February has already started out in a great way for NWS...including NWS #16! You'll have to wait until next time to find out who that is---and what frequency it's on!

OTHER NWS NOTES: Bill Nienajadly writes that he may be getting a scanner so he can DX NWS! I hope you'll write in if any DX materializes, or just to let us know what you can get up in Clifton, NJ. Either way I hope to hear from you!

Recently one of the voices on our local NWS, WXL58, Ben Woods, was upped to meteorologist on WPTF-28!! Now that's what I call a promotion! I find that kind of interesting that someone on NWS radio can move up to television. I don't know exactly how this occurred, but it is interesting nevertheless. Has anyone in your area ever done that?? I'm curious.

Does your local newspaper print in its weather section a small message concerning how to receive local or statewide NWS broadcasts? If so, send it in. I'd like to print some of them in a future column of NWS News. Such small announcements certainly help to publicize this fine service provided by NOAA. If you can send it in along with the title of the paper (preferably the title up top of the page next to page number and date. I'm sure it has a proper name, but I don't know what to call it. Perhaps someone can enlighten me on the correct term for it.

NEXT TIME: More of my DX, and I do hope something from you in the next NWS News!

73's Matt

WESTERN TV-DX

Fred McCormack
Box 9077
Prairiewood Station
 Fargo, ND 58106-9077

Deadline: 04-05-90
Cut-off: 01-01-90

March 1990

I have become aware that some members active in F2 DX'ing are questioning some of the F2 observations recently reported in this column. It is their contention that some MUF's reported, as well as dates of openings, are inconsistent with their observations and the observations of radio amateurs as reported in QST magazine. Not being actively DX'ing F2, I do not have a good feeling for how high the MUF's were or how likely it is that particular paths may have performed exceptionally well. I think that may be a possibility. However, it is apparent that F2 reports in this column are being scrutinized, and anyone reporting here should be aware of that. If you are uncertain of your observations; say so. Be sure of your equipment and that you are receiving what you think you are and not something, perhaps, generated by the equipment itself. Good luck!

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

Jeff Kadet, Box 20, Macomb IL 61455

CST

Equipment: See January 1990 Western TV-DX.

November 1989 F2

11/25 - 1551, KL7 Alaska in on 6 meters. 1605, channel 2z hockey game? In for about 5 minutes to northwest and suspect F2. 1617, KG6DX, Guam in on 6 meters.
11/26 - An amazing day. From 0729 to 0914 there were tons of E2 and R1 carriers coming in. Strongest R1's were 49749.0, 49758.6 and 49750.1. E2 carriers heard for the first time on 48245.0 and 48263.2. At 0841, I had video (aerobics show?) in on 48260.4, which is believed to be Steigen, NORWAY (tentative with photos already sent out to them) with strong CCI from 48245.0 and 48250.0 at same time. BIG DISAPPOINTMENT that this European opening died so soon. Seems like it had the potential to be a MONSTER. A reprieve came later in the day, however. A monumental 6 meter opening to JA, Japan, from 1635 to 1800. Had six R1 video buzz carriers to the northwest: 49744.2, 49748.7, 49755.5 (the strongest), 49758.7, and two stations on 49760.4. In all likelihood, one of these is the 7 kW station in VLADIVOSTOK. It's even probable that some may have been NORTH KOREAN or CHINESE. I should be getting an accurate frequency list with East Asian R1's shortly which will help pinpoint these. I never expected to get ASIA TV before SOUTH AMERICA!!

11/30 - 0835, HC8GR, Galapagos in on 6 meters as well as the HC2FG, Ecuador, beacon.

December 1989 F2

12/ 3 - Weird wobbly carrier on 48256.7 to Europe and south of the station on 48255.5 which I think is Melhus, Norway. Not sure if video carrier.
12/ 6 - Better than average European day, but nothing strong enough for video. I'm starting to speculate that the station on 48251.8 is the 250 kW station in Madrid, though it's not on my list. This is usually one of the last to fade-out in European openings.
12/ 7 - 12/11 - All decent Europe days, but nothing strong enough for video.
12/16 - 1016, very strong video buzz on 48258.8 which I believe is the 20 kW station in ZIMBABWE. This stations is a drifter; the most unstable video carrier EVER logged here. It varies by as much as 300 Hz, and I listed it in my last report as two stations (also on 48259.0). This guess is based on the fact that the TR8CA, Gabon, beacon faded in fifteen minutes after the video buzz peaked. A few days later I spoke to TR8CA, and he said he thinks it is definitely them. Direction is right. No video today, but I did have video from this station on November 1, 2, and 6. After November 24, their carrier vanished until it reappeared today; most unusual, as even on average days, there will be weak video carriers in from the common E2 stations. If I don't get a decent photo of them to send, I might try to get a veri based on the unstable carrier and the fact that they may have been off the air for awhile. 1510, NI6E/KH6, Hawaii, in on 6 meters.

Better get this report in so I don't miss the November cut-off date, but will have to keep it brief. The only F2 video seen here since my last report was a socko opening to Central America on December 31st. It was almost certainly the 300 kW station in Costa

Western TV-DX

March 1990

Jeff Kadet (continued) Rica, as the Costa Rican beacon on 6 meters was coming in extremely well. But so far, all this F2 video has been in vain as nothing has been positively ID'ed yet. I sent out photos to Sweden 48250.0, Norway 48260.4, Leningrad 49750.0 (WAS SHOCKED to see identifiable info on the R1 photo; it clearly shows the vertical interval signal and what appears to be a woman sitting next to a man), and Zimbabwe on 48258.8-48259.0, but have received zilcho replies. Considering the clarity of the photos, they must all think I'm just bonkers. Anyway, the only correction to my last report is that I am almost positive the video seen on 48258.8 and 48259.0 is from the same station, namely the 20 kW station in Zimbabwe, which is drifting. I wrote to the chief engineer to ask whether he was aware of this, but again, no reply. Have been in contact with quite a few very helpful European/Australian TV DX'ers, and I could probably type up a definitive list of almost all worldwide E2 and R1 stations, to be used from November 1 through November 26, 2000 (catch the sarcasm there?).

Anyway, I still am waiting to hear from a few more European DX'ers whom I've sent all my photos to, so there's still hope. 73.

Doug Smith, 3105 Oakridge Avenue, Madison, WI 53704

EST

Equipment:

Sears 19" stereo tabletop, circa 1985 w/ rabbit ears and bowtie at 3 feet.

Nothing earthshaking, but actually did manage a little DX on my wimpy antennas. Must have been a pretty good tropo this morning. Unfortunately, the multiplicity of ham antennas at this location (and the icy peaked roof!) preclude most real VHF FM/TV antennas, although I might be able to put a small UHF TV antenna in the computer room.

January 1990

20 tr 0944	WTMJ 4 WI 70	20 tr 0944	WOTV 8 MI 189	20 tr 0950	WTLJt 54 MI
	(See Note # 1)	0950	WSBT 22 IN 183		(See Note # 2)
	WIII 6 WI 70		WGVC 35 MI 168		WXMit 17 MI
	(See Note # 1)		WUHQ 41 MI 192		(See Note # 3)
				1000	WCMU 14 MI 224

Note # 1 - Not really DX, but rarely seen here due to locals WISC-3 and WERN-88.7.

Note # 2 - Presumed. Causing severe CCI to local W54BH.

Note # 3 - Presumed. In/out with WTVQ.

Jeff Kruszka, 5855 Walnut Creek Rd, Apt. A-105, River Ridge LA 70123

CST

Equipment:

Sylvania 12" black and white, quad loops cut for channels 2-6, Radio Shack U-75 corner yagi.

January 1990

9 tr 0627	WFTS 28 FL 499	11 tr 0624	KVHP 29 LA 181	23 tr 0637	@KLRU 18 TX 454
0651	WACXt 55 FL		WPGX 28 FL 283	0640	KXANT 36 TX
	("Superchannel")	23 tr 0608	WFSG 56 FL 256	0653	KLMG 51 TX 323
			0637	KVUE 24 TX 454	

Nathaniel Ely, 3810 Sycamore Avenue, Madison WI 53714

CST

Equipment: See January 1990 Western TV-DX

January 1990

18 Es 1025	KUTV 2 UT 1181	20 tr 0215	Cleveland 43,61	20 tr 0539	W48AP 48 OH 323
	KTVX 4 UT 1182		410	(Toledo	LPTV)
1028	KSL 5 UT 1182	0305	WJET 24 PA 479	0555	WUCX 35 MI 326
1033	KRMAt 6 CO		(See Note)	0611	WGKI 33 MI 215
1037	KCNC 4 CO 852	0358	KCCO4 11 ON 441	0613	@CBLN 40 ON 405
1046	KWGN 2 CO 852	0400	WOIO 19 OH 409	0615	@CBLN1 56 ON 441
1100	KREX 5 CO 1034	0430	WAKC 23 OH 423	0625	CBLFT 48, 53, 68
1130	KNAZ 2 AZ 1308	0449	@WSEE 35 PA 479	25 gw	2200 WJJA 49 WI 84
1144	KKTO 2 NM 1042	0450	CBLFT8 61 ON 442		(Home Shopping Club)

Note - WJET-24 went live with Columbia shuttle landing at 0325. A DX treat!

I renewed my membership for another year. Thank heaven for WTFDA and the VUD! I've learned so much in the last eight years. A special thanks to Bill Draeb, an early member. 73, Nate

EASTERN TV-DX

MARCH 1990

NFW EDITOR:
Bill Nienajay
98 Highland Avenue
Clifton NJ 07011

MIKE REID - 1408-65 SPRING GARDEN AVE. - NORTH YORK ON M2N 6H9 CANADA

All loggings tropo Equipt.: 1977 Zenith 21" B&W, RS 15-623 2-bay UHF bowtie & AC-4990 preamp.

June 2 2355 WGTG-30 OH; June 3 0058 CBEFT-54 ON, 0100 W44AG-44 PA, 0103 CIII-22 ON, 0130 WUPW-36 OH, 0724 CBOT5-33 ON, 0728 WBNX-55 OH; June 5 0530 C1C092-55 ON, 0532 WEYI-25 MI, 0611 W44AG PA, 0630 K66BY MI, 0647 WGTG-30 OH; June 7 0952 WMGC-34 NY; June 8 0710 C1C024-24 (PQ); June 13 2315 WENY-36 NY; June 23 0100 Akron, Canton U's, 0412 Pittsburgh 22, 53, 2340 C1C093-42 ON; June 24 0350 CBLFT15-34 ON, 0415 CBCE-16 ON, 0417 WDLI-17 OH, 0845 WENY-36 NY; June 27 0200 WDLI-17 OH, 0203 W22AE-22 OH (Bucyrus, RFD) 0203 WAKC-23 OH, 0203 WTTE-28 OH, 0213 W5AAF-54 OH, 0235 WPTA-21 IN, 0236 WANE-15 IN, 0240 WFCF-38 IL, 0244 WKBD-50 MI, 0246 WFFT-55 IN, 0248 WSMH-66 MI, 0248 CBLFT17-68 ON, 0250 WXON-20 MI, 0636 WUPW-36 OH, 0640 CBLFT10-48 OH ON, 0640 WGR-62 MI, 0647 WGTG-30 OH, 0650 WPTT-22 PA; June 28 0247 C1C09-93 42 ON, 0250 CBLFT15-34 ON; July 1 0445 WFFT-55 IN; July 6 0458 C1C024-24 (PQ), July 7 0715 CBLFT17-68 ON, 0725 WUPW-36 OH, 0726 CBLFT15-34 ON, 0728 WGTG-30 OH, 0735 WFWA-39 IN, 0811 WXON-20 MI, 0830 WGR-62 MI, 0855 WGGN-52 OH, 0915 WAKC-23 OH, 0927 W67AL-67 OH; July 9 0730 WENY-36 NY, 0745 WYOU-22 PA, 0800 WETM-19 NY, 0807 WOLF-38 PA, 0815 W63AB-63 PA (Mansfield), 0832 W66AB 66 Meshoppen, 0844 WNEP-16 PA, 0855 W65AA-65 PA (Canton), 0912 WVIA-44 PA; July 12 0045 WPTT-22 PA, 0125 WPGH-53 PA; July 17 0750 CBCE-16 ON, 0840 W62AN-62 NY; July 18 0017 W44AK 64 OH, W67AL OH, 0658 CBLFT's 14,44 rptg.WVIZ, 0700 W62AN 62 NY; July 18 0017 W64AK 64 OH, W67AL OH, 0658 CBLFT's 14,44 rptg.WVIZ, 0700 WXON-20 MI 0700 WGTG-30 OH, 0702 WUPW-36 OH, 0716 0720 WL10-35 OH, 0720 W62AN 62 NY, 0743 WAKC-23 OH, 0746 WFWA-39 IN, 0752 C1C093-42 ON; July 23 0645 WSKG-46 NY, 0705 WMGC-34 NY; July 24 0530 WUTR-20 NY, 0540 WTUV-33 NY 0552 WICZ-40 NY, 0605 WPTT-22 PA, 0617 WSKG-46 NY, 0640 W59AU-59 NY (UTICA), 0720 WENY-36 NY, 0727 WMGC-34 NY; July 31 0822 CBLN2-34 ON, 0823 CBEFT-54 ON, 0825 WGR-62 MI, 0825 W66BY-66 MI, 0835 WKBD-50 MI, 0844 WUPW-36 OH, 0845 WGTG-30 OH; August 1 0812 WFWA-39 IN, 2225 CIV0-30 PQ; August 2 0000 WSMH-66 MI, 0025 WAKR-23 MI, 0027 CBLN2-34 ON 0035 CBLFT-68 ON, 0052 WUPW-36 OH, 0055 unID-39, ch 39 w/ TVO ENGLISH slide, 0130 CBLN3-64 ON, 0145 W26AB-26 MI (Detroit), 0146 K66BY-66 MI, 0200 WEYI-25 MI, 0213 Det.20,62,50, 0230 WAQP-49 MI, 0233 CBLFT1-48 ON, 0236 WXYZ-7 MI only using cable company's balun as an antenna, 0245 WNDU-16 IN, 0245 WRGT-45 OH, 0300 WFFT-55 IN, 0402 WDLI-17 OH, 0525 CI-- 39 ON (Hawkesbury), 0527 CI-- 48 ON (Hawkesbury), 0555 WTTE-28 OH 0557 WL10-35 OH 0600 W67AL-67 OH, 0647 W05U-34 OH; August 3 0732 WEHS-60 IL, 0735 WFFT-55 IN, 0735 WFWA-39 IN 0737 WFCF-38 IL 0740 W05U-34 OH, 0740 WKJG-33 IN, 0745 WANE-15 IN, 0750 WRGT-45 OH, 0805 WSFJ-51 OH, 0810 WNDU-16 IN, 0815 WPTA-21 IN, 0835 WAKR-23 MI, 0837 WMCC-23 IN, 0840 WNDU-24 OH, 0855 WKEF-22 OH, 0855 W0UC-44 OH, 0904 WINM-63 IN, 0912 WEYI-25 MI, 0915 WTJC-26 OH, 0922 WGVK-52 MI, 0935 WGVK-35 MI, 0937 WK01-43 IN, 1156 WGTG-30 OH; August 11 0950 W0AC-67 OH, 2215 W62AN-62 NY, 2325 WTUV-33 OH; August 14 0815 WENY-36 NY, 0830 W64AK-64 OH, 2335 CBLN2-34 ON; August 19 0800 WBJA-34 NY, WENY-36 NY

FRANK WHEELER - 6589 WATTSBURG ROAD - ERIE PA, 16509

July 1989 09 Es 1130 KATC-3 LA 18 Es 1530 KTBS-3 LA
23 Es 1330 KJRH-2 OK 10 Es 0001 KOET-3 OK 1600 KJAC-4 TX
August 1989 18 Es 0826 KPRC-2 TX 1630 WD1Q-2 AL
03 Es 1400 KTBS-3 LA 0830 KOTA-3 SD 1733 KBTX-3 TX
1401 KBTX-3 TX 0927 WBRZ-2 LA
04 Es 2230 KOTA-3 SD 0930 WML-4 LA Equipt.: Sylvania 19"
09 Es 1123 WBRZ-2 LA 1000 WPTV-5 FL 1985 Color TV, Antenna
1127 KMTV-3 Neb 1155 WEDU-3 FL Archer VU120, Servo Rotor

Present log totals 220 Veries. 324 Received.

ROY BARSTOW - P.O. BOX 488-T - TEATICKET MA 02536

July 2 Tr 0010 WNUV-54 MD, WBFF-45 MD, 0015 WMDT-47 MD, WYAH-27 VA, WHRO-15 VA, 0045 WHSW-24 MD, 0047 W--- -14 H.S.C. PA or DC?, 0130 WCTI-12 NC 577, 2230 WUNP-36 NC; July 4 Es 2000 Es up to channel 7, no ID's, Tr 2130 15, 33, 39, 43 PA; July 10 Es 1930 WSAV-3 GA; July 19 Tr 2230 EAST PA, MD, DC; July 24 Tr 2000 to 2400 EAST PA, MD, PLUS WYAH-27 VA, WHRO-15 VA, WTVZ-33 VA, WVEC-13 VA, WRLH-35 VA, WJCB-49 VA, WYED-17 NC, WUNM-19 NC; July 25 0000 W67BG DELAWARE- TBN, 0004 WJKA-26 NC, 0030 WLF-22 NC, 0105 WPTF-28 NC, 0900 WUNJ-39 NC, WUNP-36 NC, 0910 WJPM-33 SC, 0920 WTAT-24 SC, 0925 WGSE-43 SC T, 2200 W60, 44, 41, 25 ONANCOCK VA., 2230 W52AB VA, 2250 WNC2-9 NC, WXEX-8 VA, 2300 WTKA-3 VA, WITN-7 NC, 2315 WUND-2 NC, 2325 W63AM-63 VA, July 26 Tr 0115 WJKA-26 NC, 28 GW W22AR-(WLN6-6 MA) FALL RIVER, MA; August 1989 "ZIP" Not too much to say this period. The month of August was a washout. Only East VA in once and Au hash last week of month. This means Sept. and Oct. will have loads of DX.

Editors NOTE: Have just got word that there will be a new EASTERN TV DX EDITOR, so will "stop the presses" right here. See FROM THE STAFF for details.
73, RON

John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205 (904) 389-2451
(New loggings underlined-- distances shown for new loggings and selected 300+ mile relogs)

UPDATES TO PREVIOUS REPORT:

Thanks to WTFDA member Ulrich Onken, I have two positive IDs from the 11/24 F₂ opening to Europe! Both are on channel E2: the Grunten, West Germany xmttr of the Bayerischer Rundfunk network, and the Swiss Broadcasting Corporation (SBC) German language service xmttr at Bantiger, Switzerland. To see video from Europe at all is exciting enough--to actually ID two stations (and two new countries) is TV-DX nirvana! Thanks, Ulrich! And thanks to Fred McCormick for helping to ID W69BS Statesville NC, the unID-69 TBN seen during a tropo opening to NC. TBN confirms this xltr as theirs, though my source shows the permittee as "James Poston." At 381 miles, it surpasses W20AL as my farthest xltr/LPTV. Thanks, Fred!

DECEMBER 1989

11 F₂ 0850-0920 Weak video on E2 [5 Tr 2338-0140 West Palm Beach U's, Miami 7, 10, 23, 33, 39, 45, 69 (311-313). Ft. Myers 11, 36, xltts W27AE, W49AI, W61AK [6 Tr 0140-0215] WMPV-21 AL (348), WPMI-15 AL (354), WKRG-5 AL (365), WJTC-44 AL (348) [0600] Columbus GA 3, 9, 38, 54; Miami U's [7 Tr 0017-0030] WSRE-23 FL (329), WJTC-44, WPSG-56 FL (251)(rare) [0600+] WPB U's, Miami U's, WFTX-36, WPLG-10, W27AE [12 Es 1350] unID-2 to SW w/U.S. mx videos [1725-1815] TelePrensa-2 El Salvador w/ad for cola (slogan "El Sabor de El Salvador")...and Telesistema Hondureno-3 Tegucigalpa, Honduras (1135) (country #10) U.S. rock videos, ads w/prices in lempiras, ID chs. 3 & 7, Xmas spot "Esta Navidad...Telesistema Hondureno"... also an unID-5 prob. also Honduras [Tr 2209-0000] SC U's 19, 25, 27, 38, 57; Atlanta 5, 11, 17, 36, 69; Columbus 9, 38; WNCN-36 & WCCB-18 NC(346); WVEF-27 Roanoke VA (483) local ads, ID, also in most of night w/ ID 3/4 cb...also WFCF-38 VA tent., but too much GA/SC on channel. [0000-0310] WHNS-21 NC (341), Panama City 7, 28; WJKA-26 NC (334), WPDE-15 SC (322), WSPA-7 SC (337); WKFT-40 NC (392) carrying WRAL-5 pgms in wake of the latter's tower collapse early 12/10 A.M.; WRDW-12 (SC) after local off; WBTU-3 NC (350) movie, local ad, PSA, promo, all w/IDs; WTVZ-11 NC (412) promo, ID, then repeat of 2300 ncast featuring news of ice storm and collapse of WRAL-5 and WPTF-28 towers; WNRW-45 NC (425) ID 3/4 cb [11 F₂ 0958-1018] unIDs-E2, one definitely had PM5544 ("Phillips") TP, but too much ghosting to read lettering--prob. either Sweden or Norway [Tr 1025-1130] WJKA-26 NC super; WUNJ-39 NC (334) WUNM-19 NC (416), Columbia 19, 25 [Es 1725-1750] unID-2 Emevision, unID-3 3/4 cb [Tr 1930-2009] Wilmington U's, WGSE-43 SC (18 F₂ 0948+) strong E2 carriers on scanner (48.255 dominant) but never really broke through on TV [22 GW 0100] local W59BC back on air with...home shopping! (Formerly a WCLF-22 xltr) [29 Es 1418] unID-2 SS

JANUARY 1990

[6 Es 0005] weak CCI on 2,3...probably tail-end of an opening [Tr 0605] West Palm Beach, Ft. Myers U's [9 Tr 2050-2330] A tropo opening for my birthday! WMPV-21 AL (348) back on as TBN affiliate; other Mobile/Pensacola U's; WPAW-53 FL (315); WYLA-33 LA (569) solid for about half an hour; plus Columbia, Wilmington, Florence, Columbus, Panama City, WATL-36 GA, WXKV-25 MS (tent.) and a passle of FL LPTVs: W61BL, W35AJ, W49AI, W61AK, W19AX, W65BC. Also two nearby stations never seen before due to adjacent channel/schedule problems: WTLH-49 Bainbridge GA (159) and WRES-18 Cocoa FL (124) [10 Tr 0230-0315] set alarm to check conditions and was rewarded with: Miami and WPB U's; WSVN-7 (312), WPEC-12 (263), W27AE, W16AJ, and W50AW Vero Beach FL (206) (WFLX-29 xltr); this apparently replaces W53AL (never seen here) as sources show W50AW with the same coordinates and ERP as W53AL [11 Tr 0615] WPB, Miami U's; Atlanta 36, 69 (all still in at 1000 check) [12 Tr 0000+] WPB, Ft. Myers U's, W61AK, W49AI, W24AT Sarasota (209) [15 Tr 0625] Columbia 25, 35, 57, WNCN-36 NC [23 Tr 0620] WPB U's [30 Tr 0020-0100] Columbus, Columbia U's; Atlanta 2, 5, 11, 36, 46, 69; Birmingham 13, 21, 42 (370); WJSU-40 AL (334); WTJP-60 AL (368) w/TBN preacher; also WNCN-36, WSPA-7 [0710-0735] in a rush to get to work, but 25 very productive minutes: WTCI-45 and WDSI-61 Chattanooga TN (396) (nice tape of both of these); most SC and GA U's; WLOS-13 NC, WCPT-33 AL (392), WWSB-27 MS (494); CCI on 19, 25, 31 probably Huntsville but never broke through; WSSST-55 Cordele GA, a long-sought flea-power station seen with a very ambitious (and rather well-done) local newscast, with everything from national weather to local birthdays (!); and finally, W67BE Augusta GA (219) 3/4 cb and 0730 s/on, able to separate this from W67BJ Savannah though only a few degrees off their heading...I could never have done that with the 4-bay!

I've been very busy, particularly in January, and may have missed any wintertime Es openings. Didn't DX during the "Great North Florida Snowstorm" (an inch of snow on top of freezing rain, 19+ at mid-day!) as I spent most of it manning the ham radio at a Red Cross shelter. Only a few good tropo days, but several newies--my next new logging will be station #350. 400 stations is now within my grasp; 500 remotely possible. Seeing over 400 stations in Florida is every bit the equivalent of one of my northern colleagues seeing 1000+, especially when you consider that there is mostly or all water for well over 200 degrees of my antennas' rotation! 73 de N4SFS.

THEY'RE MAGNIFICENT! THEY'RE STUPENDOUS! THEY'RE EVEN MEDIOCRE! Yes, they're DX DISTANCE PRINTOUTS, used and loved by TV-DXers since 1492. Made from all-natural ingredients and high in dietary fiber, DX DISTANCE PRINTOUTS also show your exact distance to all North American TV stations. Send 7 dollars U.S. cash/check/money order along with your address, your geographic coordinates, your next of kin, and your shoe size. Before you know it, your surly postman will toss a large manila envelope in your hedges, containing your very own, customized DX DISTANCE PRINTOUTS. Time's a-wastin'...take pen and foolscap in hand and dash off your order today! JOHN F. COMBS (N4SFS), 1308 Willow Branch #24, Jacksonville FL 32205. (This ad paid for by the Friends of Cranston Snord committee.)

EASTERN TV-DX

Bill Nienajadly
98 Highland Ave
Clifton NJ
07011

Deadline the 5th

March 1990

At this time we have only one report on hand as I take over Eastern TV DX. Much thank's goes out to Ron Stock who kindly caught up on some of the backlog and with next month's installment we should have been all caught up.....Now on to the DX.

Bob Smolarek 156 Oldwick Road Whitehouse Station NJ 08889

October 1989

23 Tr 0715 W59AA-59 CT	29 Tr 2140 W14BG-14-DE	30 Tr 2038 WEDW-49-CT
xltr of WVIT-30	xltr of WGCB-49	2038 WSBE-36-RI
0720 WCVX-58-MA-240	2153 WTVB-51-PA-64	2129 WGGB-40-MA
29 Tr 2135 WRLH-35-VA-269	2200 WNUV-54-MD-142	2131 WWLP-22-MA
2145 WBFV-45-MD-135	30 Tr 2035 WNAC-64-RI-198	November 1989
2213 W35AB-35-PA-49	2036 WTIC-61-CT-123	3 Es 2315 KJRH-2-OK
2135 WDCG-20-DC-171	2037 WEDN-53-CT-147	

WCVX logged before WNJB sign on. (Ed. Bob sorry about the mileage cut off on the last column)

Well hi everyone. It's good to be at the helm of ETVDX, the'll be some minor change's and I'll list those below. The subject that is bought up is, What is the best way to report....Narrative or 2 or 3 column format? Well it's up to you...whatever you feel comfortable with, after all it is really your column I'm just the dude who put's it together for you. So your input or critical review is most important. Well here is the 1990's....and your editor is using a typewriter, no fancy word processor....but if anyone out there can recommend a NLQ typewriter at a decent price....let me know.

WNBC-TV4

Minor Change's

T-Trop
E-E-Skip
E2-Double hop

S/F-Snow Free
xltr-Translator
A-Aurora

To save space I'll
be using these on
the left.....

Now all I ask is.....Please under line your new logging's.
If possible TRY to include mileage's
Send in your reports promptly.

There maybe time's when I might have to delete logging's because of the fact it might be old and no longer news worthy. I'll try not to put a limit....on mileage'sBut if it's to commonWell you know
Goodxing Bill

*** Actual Pages ***
*** Taken from the book ***
Learn how to build
a crystal set
step-by-step
Includes illustrations!

Building Coil

There is no one in the world who has a complete system of coils and every experimenter seems to have a favorite that he has used and built with. Some are simple, rugged, and built to last, and some are more complicated and more expensive.

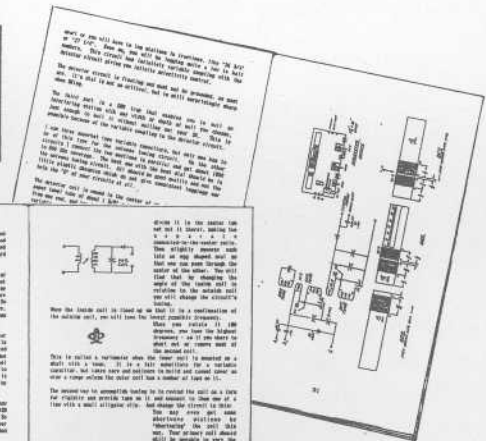
There are many ways to build a coil, but the most common is to use a coil of wire. The wire is usually made of copper or aluminum, and is wound around a core of wood or plastic. The coil is then connected to a circuit, and the current flowing through it creates a magnetic field.

The diagram shows a simple coil of wire wound around a core. The wire is connected to a circuit, and the current flowing through it creates a magnetic field. The diagram also shows a more complex coil with a core of wood or plastic.

When the coil is used in a circuit, it will have the same effect as a transformer. The current flowing through the coil will create a magnetic field, and this field will induce a current in the secondary coil.

The diagram shows a transformer with a primary coil and a secondary coil. The primary coil is connected to a circuit, and the secondary coil is connected to a load. The current flowing through the primary coil creates a magnetic field, and this field induces a current in the secondary coil.

The diagram also shows a more complex transformer with a core of wood or plastic. The primary coil is wound around one leg of the core, and the secondary coil is wound around the other leg. The current flowing through the primary coil creates a magnetic field, and this field induces a current in the secondary coil.



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