

From The STAFF

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

CONVENTION 1985 REALLY TAKING SHAPE!...This year's WTFDA convention is going to be quite an event, especially for those of you members also interested in shortwave broadcasting. Host Ron LeBlanc has informed us that in addition to tours of local commercial AM, FM, and TV broadcasting facilities, the transmitter site of WRNO Shortwave will also be visited. Ron is busy planning quite a program for the gathering, which takes place August 2nd thru 4th. Accommodations are very reasonably priced, and will be at a 400-room motel that is part of the Travelodge group. Registration fee will be only \$20. More information on this is coming up in next month's VUD. Start thinking about your summer travel plans now--see you in New Orleans in August!

GOOD READING...Speaking of shortwave, a great introduction to the shortwave listening hobby (as opposed to our own "shorter wave" hobby) is a book called *The World Is Yours*, available for only \$2.95 plus \$1.00 shipping from Gilfer Shortwave, P.O. Box 239, Park Ridge NJ 07656. If you've never tried tuning the shortwave bands before, this book will show you how to get started.

PROMO COLLECTORS...Did you know about DECALCO MANIA? This is a club composed of people interested in radio and TV broadcast promotional material collecting, many of whom are DXers. If you like to collect station paraphernalia (such as bumper stickers, T-shirts, etc.) you'll want to find out more about this group. Contact them at Box 355, Berkeley CA 94701-0355.

NEW 'TOY' FOR TV DXERS?...Mitsubishi has a neat little device now on the market in North America that just may make TV DX photography obsolete. Their Video Printer produces "hard copy" of any image on a TV screen in black-and-white on a special thermal paper that looks as good as most conventional photos taken from a screen. West Virginia DXer Bill Swiger sends word on this device, which retails for less than \$400 in the U.S. As he says, it may soon be that "every TV DXer needs one!"

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Thanks to Toronto DXer Mike Reid for logos used on last month's cover.

This month's front cover by MAILBOX editor Alan Hyams.



MAILBOX

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March, 1985

So you thought the logging procedures controversy was over? Not yet. Here are two more opinions for your perusal. By the way, what's your opinion?

Dr. Bruce Elving: "Steve Sprachman raises the issue that if you move anywhere in an area and receiving conditions change, then you must start over in counting log totals. I do not agree, because you could move one block and find conditions different; you could vary your conditions just by moving your antenna up or down on a mast; or if you live in a hilly area, by placing the antenna lower on the hill to block out stations from the rear. I think the mileage limitations mentioned in the VUD are adequate. When I DX from the Duluth, MN area I do not take notice whether the DX is from my mother's house in the downtown area with its excellent receptionability to the south and southeast, or if I DX from my in-law's house in suburban Hermantown, where reception to the north and west is the best. Steve does not mention that over a period of time conditions in an area can change--usually for the worse. I was once able to DX from downtown Duluth to the north and west (even though the Duluth hill interfered to some extent). However, now that several 100-kw locals have come on the air operating 24 hours a day, one cannot aim the antenna in anything but a very narrow arc to the south and southeast and expect to get any DX.

Should I thus be victimized by having to confine by DX to only those directions? I once had DX from the other directions, and I know it's possible, but DXing should be fun and not an exercise in masochism. If I can take my receiver to two different locations and enjoy the hobby more fully, and still count all the stations heard as if from one general place, why not?"

Harry Hayes: "I...have this to say about the logging procedures debate. I don't think that there should be any debate at all. Controversies have a tendency to destroy dart leagues, softball teams and also DX clubs so I hope that this one goes nowhere further. The controversy itself is foolish since everyone has his own philosophy and way to DX and keep totals. I have read both Tom Yingling's and Robert Goodman's ideas about when to start a new log and I disagree with both. This doesn't mean that Tom and Robert are wrong. This is right for them. To try to impose rigid logging rules on the whole club membership, formulated by a few DXers is not only wrong in my view, but it also wouldn't work. I know I wouldn't start a new log because WTFDA decided to implement its' long debated "DXer's constitution", as it used to be called. I have DXing facilities twelve air miles apart, one being in a valley, the other at a high mountain location. The difference between the reception conditions at both locations is incredible, but since 1970, I've always kept a single log, mainly for simplicity's sake. I never felt the need for two logs since I'm not trying to impress anyone with my "skill." Personally, I've always felt that DXing was the DXer showing or reporting on what nature was capable of. How many stations I've received seems of secondary importance. Others will feel different, that DXing is a competition, perhaps, and this is all well and good for them. I feel that's what this hobby should be; individuality. So let's end controversy, especially that with no solution."

Relatively new WTFDAer Jim Campbell, of Anderson, SC, tells about his set-up:

"My set-up includes a 7' dish for UHF and a Radio Shack V-185 for VHF, with R/S pre-amps, and .410 coax on a 35' tower.

I really get a kick out of bragging about getting the Atlanta independent stations, especially WTBS, to my friends at work. I think some of them don't believe me."

Jim, there's nothing unusual about that. By the way, Mr. Camp-

(cont. next page)

bell also sent me a couple of questions of a technical nature. I've forwarded these to Tim McVey, our Technical Topix editor. If you've any technical questions, he's the man. Write him at 4000 Knollbrook, NW, Huntsville, AL 35810.

The flurry of comments relating to my December, no excuse me, January editorial hasn't quite subsided yet. Paul Swearingen writes in on that subject and more:

"In the January "Mailbox" column Alan Hyams expresses alarm that a poem using the name of Christ (written by Doug Dornbos and included in his December "Antenna News" column) may offend some WTFDA members, and that religion does not have a place in the VUD. I feel that common sense should rule here, in the absence of specific rules proscribing certain subjects in the VUD, and I, for one, see nothing objectionable or harmful in this poem.

...Had Doug attempted to proselytize us, I, too, would have objected, but the poem is a simple expression of his faith and should offend no one of other faiths; although I am a born-again Christian, I would not be offended by a poem wishing me happiness through awareness of Allah, or whatever...

I'm more concerned that indiscriminate, knee--jerk censorship may become the rule in situations such as this. Let's keep VUD open to alternate viewpoints, and let all opinions be presented...in moderation. Frankly, as an ex-English teacher, I'm more offended by Doug's misspelling "yours"!

On an unrelated subject, I'd like to see knowledgeable WTFDA members prepare a survey of FM and TV rx's, whether portable, component or otherwise, as to which represents the best DX rx for the money, and which are dogs to avoid, with a chart of available features. I'd like to purchase a DX-quality FM tuner in the near future, and I'd like to get the most for my \$\$\$."

Offhand, Paul, I can't offer much advice on which rx's are the best, but as for dogs to avoid...well, if you're ever in NY, maybe I'll show you around my "kennel"!

Here's an interesting letter that came in from a Swedish DXer:

"I got a copy of the VHF-UHF Digest a couple of months back. It was indeed very nice but of course a little difficult to appreciate fully, living here on the other side of the Atlantic Ocean. I wonder if we ever get to hear any U.S. VHF skip? Probably not!

Still, I would like to get in touch with someone interested in radio and music. That should be a penpal who besides sending letters also would be interested in a future exchange of radio station recordings.

Regarding comments in the mag about last summer's poor VHF skip. The same noted here in Sweden. Although I haven't got any proper equipment, I used to TV and FM DX. In the summer of 1983, I had some TV DX almost every day. Most usual were Russian stations on lower channels. On FM, I heard skip several times that summer: Italy, France, England and so on.

But in 1984, I hadn't heard anything. Only when I was on holiday in England with my fiancée was I lucky enough to pick up some VHF skip. We were driving one afternoon when I suddenly started to hear strange sounds on my car radio and...then a lot of Spanish, Italian and Portuguese stations were heard, A holiday special!"

This fellow's name is Dick Gustavsson, and here's his address: Box 161, S-891 01 ÖRNKÖLDSVIK, SWEDEN.

Till Next Time, 73s,

A

TELEVISION NEWS

Bill Fahber, editor
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LEFTV GRANTS

K22AM AZ Vernon
K46AT GA South Oroville
K35AI KS Iola
W04BO MS Leland
K28AK TX College Station; 1 kw; 222'
W42AF WI Ripon; 1 kw; 200'
K10MH HI Hanalei (Kauai); 25 w ERP
K38AS ID Twin Falls; 8.15 kw ERP
K58BS MN Mimeoapolis-St. Paul; 1.25 kw ERP
K66CI NE Norfolk
K09UG TX Childress; 108'
W10AX FL Jacksonville; 10w TPO; 616'; omni.
K52AQ NM Santa Rosa; 100'; or. 143°
W08BY WI Milwaukee; 10 w TPO; 607.58'
K14AR MT Glasgow; 100w TPO; 50'
K32AO NM Central; Grant; 100 w TPO
W63AS NY Westbury; CP to change TL
K43AM IA Spirit Lake; 1 kw TPO; 150'; or. 0°
K39AK UT Bonanza; 100 w TPO; or. 294°, 203°
W52AC IN Geneva; 1 kw TPO; 150'; Omnidirect'l.
K19AH UT Scipio; 100 w TPO; 100'; 8°, 244°, 230°
?52?? CA Redding
W54AE KY Paducah; 1 kw; 414'; omnidirectional
K51AY CA Needles; 100 w; 120'; orient 215°
K43AN CO Loveland; 1 kw; 114'; Omnidirect'l.
W04BR GA Atlanta; 10 w; 630'; omnidirectional
W25AD GA Columbus; 1 kw; 420'; omnidirect'l.
K22AK OK Weatherford; 100w; 303'; or. 135°
K19AI WY Cody; 250'; omnidirectional
W02BG MS Biloxi
K05HX TX Lufkin; 100 w; 460'; orient 240°
W29AC ME Waterville; 1 kw; 400'; omnidirect'l.
W36AD IN Indianapolis; 1 kw; 52'
K56CC AZ Rock Point; 10 w; 80'; 70°, 160°, 260°
K45AR MN Eagle Bend; TL Eagle Bend School
W19AF OH Bryan; 100w; 150'; or. 152°
K51AZ OK Muskogee; 100w; 238'; omnidirect'l.
K34AJ SD Sioux Falls; 100 w; 230'; omnidir.
W58AR FL Destin; 1 kw; 155'; or 90°
K47AR NV Ely
K60CG TX Snyder; 100'
W53AG AL Russellville; .7 kw ERP; 246'
W22AE OH Bucyrus; .201 kw ERP; 203'
K05HR TX Livingston; .025 kw ERP; 270'; re-broadcast KUHT, ch. 8
W53AH FL Vero Beach; 1 kw; 465'; or 165°, 345°
? OR Coos Bay; 100w; 50'; or. 260°
K11RR CO Sterling; 604'; or. 295°
K25AM NM Truth or Consequences; 100w
W66AT VT Stowe; 100w; TL Edison Jill
W68BL NC Charlotte; 1 kw; 287'; omni
K47AS MO Columbia; 212'; omnidirectional
K38AU NM Crownpoint; 55'; 3mi NW of Tohatchi
K44AQ ND Williston; 110'; omnidirectional
K13UI UT Moab; 10w; 90'; 132°, 312°, 45°, 27°
K11RU UT Moab; same as above
K18AR MO Trenton; 100w; 150'; omnidirectional
K07TE WY Rawlins; 10w; 40'; or. 350°
K25AO IA Eldon; 100 w; 150'; omnidirectional
K25AN IA Polk City; 1 kw; 1539' (KCBR-TV wr)
K42AR MO Prairie City; 200'; omnidirectional
K34AK WA Lynden; 100w; 175'; KLYN-FM tower
K11RS LA Many; 150'; or. 326°

K25AP NM Deming; 100 w; 40'; omnidirectional
W26AC NY Kerhonkson; 100w; 150'; omnidirect'l.
K36AL CA Paso Robles
K59CQ NV Fallon; 100w; 100'; omnidirectional
K11RT TX Jacksonvillle; 10w; 80'; or. 157°
W53AH FL Vero Beach; 1 kw; 465'; or 165°, 345°
W51AG ME Presque Isle; 1 kw; 290'; omnidirect.
K14AS MT Chinook; 150'; or. 323°
W34AA IL Centralia; 1 kw; 225'; omnidirectional.
K40AT KS Hiawatha; 1 kw; 281'; omnidirectional.
K40AS KS Topeka; 1 kw; 410'; KMAJ(FM) tower
W23AB ME Waterville; 1 kw; 400'; omni.
K28AL MN Marshall; 100w; 100'; or. 50°
K12NB OK Poncas City; 10w; 77'; omnidirect'l.
K24AL UT St. George; 226'; or. 235°
K50AP HI Honolulu; 14 kw ERP; 359'
K29AF HI Lihue; .9 kw ERP; 100'
K28AI MN Foxhome; 4 kw ERP; 150'
K55DW NM Farmington; 1.25 kw ERP; 247'
K48AW MN Shiprook; .6 kw ERP; 55'
K60CI ID Twin Falls; 100w; 100'; or 4°, 189°
K36AJ OK Strong City, Leedy, Hammon; .6 kw ERP
K27AL WA Aberdeen; 4 kw ERP; 181'
K14AT CA China Lake
K61CU NE Lincoln; 100w; 198'
K42AS ID Osburn; or. 4°, 52°, 322°
K23AJ ND Devils Lake; 100w; 100'
K30AM KS Lawrence; 11 kw ERP; 605'
W38AE KY Murray; 8 kw ERP; 205'
K65CQ OK Oklahoma City; 5 kw ERP; 1619'
K27AM OK Bend; 24 kw ERP; 150' (to rebroadcast KFCB, ch. 42)
K07TB TX Snyder; 155w ERP; 117'
K46AR WY Laramie; 1 kw ERP; 250'

TRANSLATOR GRANTS

W46AG NC Boone; 100w; 198'; WUNL-TV, ch. 26
K35AF CO Delta; KUJT-TV, ch. 8
K60CF CO Boulder; KBDI-TV, ch. 12
K68BY CO Colorado Springs; KBDI-TV, ch. 12
K13UF ID Rexsvurg, St. Anthony; KPVI-TV, ch. 6
K53BL MN Baudette; KOUB-TV, ch. 4; 1.49 kwERP
K06LM NM Albuquerque; KOB-TV, ch. 4
K07SZ ID Elk Bend; KIFI-TV, ch. 8; ex-K12IP
W55AW GA Savannah; KUSK, ch. 7 via satellite
W69BB TN Nashville; WRBV, ch. 65 (which is no longer an STV station)
K55DY MN Grygla; KXJB-TV, ch. 4; 100w TPO; 500
K39AL IA Nel, Til. Elgin, Elk VA; KTIV, ch. 4
W69AU AL Mobile; WFAN, ch. 53
W05AW VI Charlotte Amalie
K57CY CO Cotopaxi, Cre (CO); KTSC, ch. 8; 1 w
K59CL CO Coalab; KTSC, ch. 8; 1 w; 10'
K07TD CO Craig; KCWS, ch. 3; 10 w
K44AP OK Elk City, Canute; KOKH-TV, ch. 25
K02MO WA Oroville; from K05AM
K12KH KS Quinter; KWNE-TV; 5w; 151'
K30AP ND Milton; KXJB, ch. 4; 1 kw; 499'
W65AW VA Norfolk, Portsmouth, etc.; KUSK, ch7
K65CS MN Norris Camp; KXJB, ch. 4 (IN-proposed Grygla translator)
K08HC CO Jacks Cabin; KUSA, ch. 9; 10w
K06JN OR Schwat-Severance
K67CW OK Woodward, etc.; 100w; 300'; or 360°
K50AS CO Denver; KBTW, ch. 9, via K05GI
W65AV PA Harrisburg; 100'
K67CV NE Lincoln; KUSK, ch. 7, via Westar I.

LPTV LICENSES
 W64AU WI Adams W43AG KY Hopkinsville
 W17AB FL Tallahassee K31AH WA Omak;Okanogan
 K41AK TX Fairfield K43AJ SD Sioux Falls
 K29AD TX Corsicana K42AM IA Ottumwa
 K21AG HI Wailuku K45AR MN Eagle Bend
 W69AX FL Perry

TRANSLATOR LICENSES
 K06EB MT Brusett, etc. K15LK WY Sheridan, etc.
 K55DP NV Reno K07SZ ID Elk Bend (ex
 W57AS WI Spooner K12IP)
 K11RN WY Douglas K51AU ID Twin Falls,
 K13UF ID Rexburg, St. Jerome
 Anthony
 W63AR WI Ladysmith K12MX OR Monument
 K55CM OR Gold Beach W68BJ NY Dewitt
 W13BB VA Bergton, W11AZ VA Harrisonburg
 Criders W07BL VA Harrisonburg
 K57CX MT White Sul- K21AJ VA Quincy
 phur Springs K44AP OK Elk City,
 K10MF UT Cedar Canyon Canute

The above information is from the FCC news releases, which I am no longer receiving. Plus a few other references for a small portion of the above. Judging by gaps in the call letter patterns and the fact that there was hardly any overlap of information between the sources, I suspect that the above list is only a part of FCC actions over the past few months.

Periodic updates to the WTFDA Translator-LPTV list will therefore be impractical, and any future list very likely would not have primary stations for translators. Many new stations in the western states not only are eliminating translators that would cause interference, but they are also closing down hub translators, vital links to other translators. With some of these new stations becoming network affiliates, the need for many translators no longer exists.

One member pointed out several months ago that, with Minnesota as an example, when a primary station changes its network affiliation, some of its translators may find themselves duplicating programming already carried by a local station. Face it, people watch translators for network programming, not local news. If your community has ABC, but no NBC, it would pay somebody to erect a chain of translators to carry a distant NBC station. But what happens if your local switches to NBC later on? You have a worthless chain of translators unless you can get a distant ABC station to allow its signal to be rebroadcast.

The 1984 Translator-LPTV list unfortunately had to depend on an 1982 list for primary stations, since the FCC data base no longer lists primary stations. There is very little information listing changes in primary stations, especially since the FCC made such changes easier.

But in the past few years, there have been changes in network ratings. ABC went from the bottom to the top; NBC fell to the bottom; CBS replaced ABC at the top; now NBC is slowly working its way back up. Meanwhile, stations in areas not served by all three networks have taken the opportunity to switch to a more pop-

ular network. It started with several NBC affiliates going to ABC, and then some to CBS. This resulted in translators having to change their primary station because they began carrying an ABC affiliate when there already was a local ABC in their coverage area.

With the Translator-LPTV list now published, changes are sure to be made. Fred McCormack, who has kept a list of translators in his area based on his own observations, sent me an extensive list of changes in the midwest which have resulted partly from some of the network changes in that area. The following is from the list of revisions which he sent me.

IA K41AD, Lansing: Primary=KYIN, ch. 24 via K14AF; often seen rebroadcasting KMEG-14.
 MN K20AC, Wadena: should be 14 kw ERP
 MN K36AA, Alexandria: Primary=WDAY, ch. 6
 MN K38AC, Alexandria: Primary=KMSP, ch. 9
 MN K48AA, St. James: now ON-TV, scrambled
 MN K48AO, Bemidji: IN-K61BH
 MN K50AG, Willmar: Primary=WTCN, ch. 11
 MN K50AM, Roseau: Primary=KXJB, ch. 4
 MN K56BZ, Appleton: Primary=WTCN-11 via K50AG
 MN K58AF, Window: Primary=KSTP-5 via K32AF
 MN K59BT, Donnelly & Herman: IN-K38AC
 MN K59CK, Brainerd: Fred has this as a LPTV Construction Permit, and says that input from K69CR, 90 miles away, seems unlikely. Could very well be LPTV, but the 90 miles mean little, as many translators pick up other translators via microwave relays.
 MN K60AB, Appleton: IN-K14AD
 MN K60AD, Window: IN-K46AA
 MN K61AU, Granite Falls: IN-K51AL
 MN K61BJ, Donnelly & Herman: IN-K36AA; Primary is WDAY, ch. 6
 MN K62AI, Window: IN-K46AA
 MN K63AU, Granite Falls: IN-K55CK
 MN K64BG, Starbuck: KTHI, ch. 11, via MR
 MN K65BA, Granite Falls: IN-K49AJ
 MN K66BA, Starbuck: KMSP, ch. 9, via MR
 MN K67BZ, Walker: KBJR, ch. 6 via K59BQ
 MN K67CT, Grand Marais: primary is WDSE, ch. 8
 MN K68BT, Starbuck: via MR. K58AF has never operated, and probably never will be.
 MN K69CP, Walker: KTSP, ch. 5, via K22AC
 MN K69DP, Granite Falls, IN-K53AO

(No longer on: Olivia MN translators K70EU, K72DJ, K74DN, K76GU; Bemidji MN translators K72DT, K75AM, and K80CK.)
 NE K23AH, Wallace: IN-K57CZ as shown on the data list, not IN-K04ED as indicated on the drawing. I relied heavily on a 1980 data base list for the drawings.

ND K04QC, Beach: primary might be KQCD, ch. 8
 ND K04QU, Medora, probably off; is within Grade B signal area of KQCD, ch. 7
 ND K06IB, Minot: went off when KSRE, ch. 6, signed on.
 ND K06LD, Fargo: Mystery CP. WDAY operates on ch. 6 in Fargo. Fred says coordinates for this CP listed in Television Digest plotted around Fergus Falls, MN, which is still too close to Fargo for a ch. 6 xltr.
 ND K07BJ, Bowman: off to protect KQCD, ch. 7?
 ND K07EI, Hettinger: same as above.

ND K07EZ, Beulah: probably off due to KQCD-7
 ND K07HN, Dickinson: off due to KQCD, ch. 7
 ND K07JA, Hazen: probably off due to KQCD
 ND K07KL, Dunn Center: same as above
 ND K07LN, Marmarth: may be off due to KQCD-7
 ND K09EG, Mott: Probably off due to KDSE-9
 ND K09EZ, Beulah: probably off due to KDSE-9
 ND K09JF, Bowman: probably off due to KDSE-9
 ND K09JR, Hazen: probably off due to KDSE-9
 ND K10KW, Belfield: definitely off; not needed with KQCD on the air.
 ND K12JC, Sentinel Butte: might have changed ins input to KQCD, ch. 7; maybe now off.
 ND K22AK, Devils Lake: now on the air.

"Up until 1980, the only full service station available in southwestern North Dakota was KDIX-2 and since it was primarily CBS... a number of translators were started to carry NBC via... KFYP-5 or KUMW-8. Most of these translators were put on channel 7 and a few on channel 9 which were vacant channels at Dickinson." "I believe that the bulk of these translators are now off the air, as the programming which many of them carried is now available more directly via...KQCD-7 which came on the air at Dickinson in...1980; and additionally, many of them would now be vulnerable to interference, to or from, KQCD-7 and KDSE-9, a PBS station which came on the air at Dickinson."

"A number of the translators which are in the list for South Dakota Public Television are apparently no longer on the air, having lost their usefulness when some of the later SDPTV stations came on the air." "South Dakota Public TV runs a slide at sign on which lists the translators which they operate. It does not include a number of translators which are still in the FCC data base."

SD K04GV, Philip: apparently off the air.
 SD K07JD, Aberdeen: still on; most likely input would be KDSD, ch. 16.
 SD K07KA, Midland: apparently off the air.
 SD K76DB, Sisseton, apparently off the air.
 SD K55BG, Wagner: SDPTV ID slide has W55BG!
 SD K71CJ, Garden City: apparently off the air
 SD K76CZ, Aberdeen area: apparently off.

APPLICATIONS FOR NEW TELEVISION STATIONS
 CH ERP HAAT STATE/CITY/APPLICANT
 28 5000 507 MS McComb; Southwest Communic'n's
 51 1000 1635 WA Sumner; C.R. Pasquier Assoc.
 25 5000 990 TX Conroe; Imagists
 55 5000 1698 TX Conroe; Carmen Matias
 36 1092 953 SC Charleston; DW&M Broadcasters
 54 5000 1581 CA Avalon; Petrum Broadcasting (same group trying for Vineland, New Jersey)
 60 4366 925 FL Sebring; Ridge Broadcasting
 60 5000 1006 FL Sebring; Channel 60 Inc.
 60 5000 830 FL Sebring; Hunt Partnership
 54 5000 1335 NE Omaha; Omaha Telecasters
 54 5000 696 NE Omaha; Maryland Williams
 54 5000 1296 NE Omaha; Minority TV of Omaha
 59 5000 503 NJ Vineland; Rita Wyse
 59 5000 952 NJ Vineland; Family Television Network (No information on proposed TL for these two, but to protect WNJT-52, a

ch. 59 in Vineland would have to put its transmitter south of a line running from Bridge-ton to midway between Vineland and Millville.
 53 4900 1450 OK Tulsa; Tulsa Television Ltd.
 53 5000 1510 OK Tulsa; Native American Bc'g Co
 53 5000 683 OK Tulsa; EAM Broadcasting
 52 2500 1370 TX Blanco; Opal Chaldwell
 29 5000 971 TX Decatur; Chavela Broadcasting
 29 5000 910 TX Decatur; Karen L. Hicks
 50 5000 1131 TN Memphis; Wolf River Broadc'ng
 50 5000 1200 TN Memphis; EAM Broadcasting
 50 5000 800 TN Memphis; Kyles Broadcasting
 50 5000 609 TN Memphis; Dorothy B. Evans
 50 5000 921 TN Memphis; Channel 50 of Memphis
 52 5000 994 TX Fort Worth; Alden Television
 52 5000 1095 TX Fort Worth; Nuevo Mundo Bc'g
 52 5000 1200 TX Fort Worth; Fort World Telev'n
 52 5000 1200 TX Fort Worth; Channel 52 Ft Worth
 52 5000 1500 TX Fort Worth; EAM Broadc'g Co.
 52 5000 645 TX Fort Worth; Carter Broadcasting
 52 5000 930 TX Fort Worth; Benjamin T. Perry
 52 5000 1992 TX Fort Worth; Channel 52 Limited Partnership
 52 2768 1088 TX Fort Worth; Rebecca R. Henton

APPLICATIONS DISMISSED
 TX Houston; ch. 61; Houston Family Television; SMJ Television Company; Urban Broadcasting Systems (Initial decision; applications are three years old!)
 FL Miami; ch. 35; Rene Antonio Lopez
 OH Toledo; ch. 24; Lake Erie Communications
 RI Block Island; ch. 69; John Joseph Fuller & Jerrel E. Kautz
 WA Seattle; ch. 45; TV45 Associates
 GA Bainbridge; ch. 49; Bainbridge Post-Searchlight Inc.; Bainbridge Telecasting Inc. (settlement agreement)
 CA Barstow; ch. 64; Wm. R. Stinchcomb & Gregg S. Carpenter, General Partnership (settlement agreement)
 KS Lawrence; ch. 38; Demming Santee (settlement agreement)
 LA Shreveport; ch. 33; Shreveport Metro Communications 33 Ltd.; Godfrey & Associates; Shreveport Television Company; application by Great Southern TV Broadcasting (formerly Drew & Kemmerly, proposing Bossier City as community of license).
 TX Katy; ch. 51; Louise Brunson (still other applicants contending for the channel).
 NM Gallup; ch. 10; Contemporary Communications Inc.; Haynes Communications Company (settlement agreement).
 VA Virginia Beach; ch. 43; Tidewater Broadcasting Company; Tidewater Christian Communications Corp.; Virginia Beach Television Ltd.
 IN Hammond; ch. 62; Pan American Broadcasting Company (reversal of initial decision; Pan American was originally selected because of integration proposal, but the FCC Review Board favored Jovon Minority Broadcasting because of its superior coverage area proposal); Cross Country Network Inc.; Hammond Indiana TV Inc.
 FL Boca Raton; ch. 63; Full Gospel Church of the Living God
 AK Seward; ch. 9; Minority TV of Seward

CA Vallejo; ch. 66; Golden State Television.
 CA Visalia; ch. 49; Community ETV Inc. (settlement agreement)
 NC Belmont; ch. 46; ACTS of Metrolina; Jimmy Allison.
 AZ Phoenix; ch. 3; Jason Communications Inc.

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS
 15 5000 461 IA Ottumwa; Haynes Communicat'ns
 52 1000 1500 MD Cumberland; Contemporary Communications
 17 1636 791 ID Sioux Falls; Family Bc'g Inc.
 36 515 487 TX Odessa; Odessa Junior College
 61 4781 1957 TX Houston; Alliance Broadcasting Co. Ltd. (Initial dec'n)
 49 5000 1140 GA Bainbridge; Bainbridge Communications Ltd.
 64 1202 48 CA Barstow; Sunbelt Television (Television Digest had completely different figures.)
 38 699 768 KS Lawrence; Miller Broadcasting
 33 2483 1202 LA Shreveport; Media South Bc'g
 10 316 1269 NM Gallup; Grand Canyon Telev'n
 52 105 1020 NY Ithaca; Ithaca TV Associates (Initial decision)
 43 5000 425 VA Virginia Beach; Summit Communications Inc. (Initial dec'n)
 62 5000 625 IN Hammond; Jovan Minority Broadcasting Corp. (Review Board reversal of initial dec)
 14 1660 3836 UT Salt Lake City; American Television of Utah, Inc.
 49 3650 2247 CA Visalia; Diocese of Fresno Educational Corporation
 27 14.8 567 IL Quincy; West Central Illinois Educational Telecommunications Corp.

CONSTRUCTION PERMITS CANCELLED
 FL Palm Beach; ch. 61; EFGC
 MT Roseman; KCTZ, ch. 7
 TX Tyler; KCKU, ch. 14

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS
 61 2900 1558 MI Bay City; WVGI
 49 2690 1330 NY Buffalo; WNYB-TV
 66 1170 943 MI Flint; WSMH
 35 5000 1485 TX Kerrville; KRRT
 50 3041 n.c. UT Ogden; KOOG-TV
 21 4336 1400 AL Mobile; WMPV-TV (I had this CP listed as cancelled two years ago; must have been reinstated.)
 19 2726 1243 OK Muskogee; KMKO
 47 1525 1015 PA Altoona; WKBS-TV
 32 n.c. 424 HI Honolulu; KBFH
 67 5000 1783 TX Alvin; KZEI
 38 3700 n.c. PA Scranton; WOLF-TV
 32 n.c. 842 OR Salem; KUTF
 15 2858 1417 TX Abilene; KFSU-TV
 16 1169 642 KY Somerset; WLTK
 55 - - PA Lebanon WGGF (from ch. 59, as per changes in the table of channel assignments.)
 18 2820 1080 TX Wichita Falls; KJTL

CONSTRUCTION PERMIT MODIFICATIONS GRANTED
 18 2490 1966 AZ Tucson; KDFU-TV
 40 1534 2029 AZ Tucson; KPOL
 26 3720 640 CT New London; WLCT
 56 1260 1250 KY Danville; WKYK-TV
 28 1698 792 SC Hardeeville; WTGS

66 1170 943 MI Flint; WSMH (application dated 12/4/84 but granted 11/30/84? Sounds fishy.)
 22 n.c. 894 WA Seattle; KTZZ
 16 1897 458 FL Key West; WTKW
 68 90.2 1984 PR Humacao; WWSN (note call letters; they weren't reported yet.)
 33 5000 924 FL Miami; WBFS-TV
 14 5000 1372 CO Boulder; KTVJ

APPLICATIONS FOR CHANGES IN FACILITIES
 57 1310 1580 KY Hazard; WKYH-TV
 23 1951 n.c. IL Decatur; WPHL
 11 263 n.c. NM Santa Fe; KCHF
 3 n.c. 1953 NC Wilmington; WWAY
 51 1326 1051 PA Reading; WTVE
 16 660 n.c. PA Pittsburgh; WQEX
 5 100 801 TX Lubbock; KTXB-TV
 22 1381 1560 PA Scranton; WDAU-TV
 23 5000 ? VA Huntington; WPHY

FACILITIES CHANGES GRANTED BY THE FCC
 FL Tallahassee; WTXL-TV, ch. 27; granted CP to change ERP from 1416 max/566.2 hor to 1184.7 kw max; 864' AAT/868' AG/1013' ASL (32' lower).
 MO Kansas City; KEKR-TV, ch. 62; granted MP to change ERP to 1660 kw max; 1120' AAT/1142' AG/1969' ASL. Presently licensed for 1868 kw max/110 kw hor; 1120' AAT/1225' AG/2049' ASL. I don't have record of any previous construction permit.
 OH Canton; WOAC, ch. 67; granted CP to lower ERP from 1429 kw to 1230 kw; antenna to be raised to 860' AAT/824' AG/2028' ASL (623' higher ASL, 572' higher AAT); TL to 0.3 mile north of intersection of State Street and Preston Avenue near Louisville; 9.73 miles at azimuth 1150 (ESE) from the present TL. Higher antenna should compensate for power reduction.
 OH Dayton; WKRF, ch. 22; granted CP to reduce ERP from 2340 kw max to 1858 kw max, according to Broadcasting magazine. I had them applying for 1858' AAT and 1858' AG, with no change in ERP. Who's right?
 AR Fort Smith; KHBS, ch. 40; granted license to cover changes: ERP increased from 646 kw max/417 kw hor to 3160 kw max/933 kw hor; antenna raised to 2000' AAT/229' AG/2609' ASL (1680' higher ASL); coordinates 35°04' 16"/94°40' 46"; TL to Cavanal Mountain, 3.3 miles WNW of Poteau (28.23 miles at azimuth 216° (SW) from previous site. This should give a larger coverage area and less overlap with satellite station KTVF, channel 29 in Fayetteville.
 IN Indianapolis; WTHR, ch. 13; granted license to cover MP for changes: ERP from 295 kw to 316 kw max.; 980' AAT/1040' AG/1864' ASL. But I have another reference which calls for 970'/968'/1792.
 TX Dallas; KRLD-TV, ch. 33; granted license to cover changes (see 7/84 VUD).
 TX El Paso; KDBC-TV, ch. 4; granted license to cover changes: ERP increased from 61.7 kw to 100 kw max.; 1563' AAT/410' AG/5610' ASL (325' higher ASL; 302' higher AAT); coordinates 31°47' 46"/106°28' 57" (0.24 mile NNW of previous site); TL Comanche

peak, El Paso.
 IN St. John; WCAE, ch. 50 (temporarily off the air); granted CP to reduce ERP from 1910 kw max/603 kw hor to 122.7 kw max.; 1004' AAT/1009' AG/1705' ASL (574' higher AAT; 660' higher ASL); coordinates 41°21' 06"/87°24' 34"; TL 0.7 mile south of intersection of Redeemer Road and 141st Street; 21.74 miles, azimuth 166° from previous TL. These coordinates plot just east of Cedar Lake, IN, about 16 miles south of Gary. Previous coordinates plotted on the Indiana/Illinois border near the shore of Lake Michigan. Change community of license to Gary, Indiana

CALL LETTER APPLICATIONS: NEW STATIONS
 CH C.L. STATE/CITY/APPLICANT
 58 KDTX TX Dallas; Metroplex Broadcasting
 58 KDIA TX Dallas; Metroplex Broadcasting (latter of the two)
 27 WQEC IL Quincy; West Central Illinois Educational Telecommunications Corporation
 49 WCFN IL Springfield; Midwest Television
 33 KMSS-TV LA Shreveport; Media South of Shreveport, Inc.

CALL LETTER APPLICATIONS: STATIONS ON THE AIR
 22 WMVZ NC Raleigh; WLFL-TV
 57 WYMT-TV KY Hazard; WKYH-TV

CALL LETTERS GRANTED: NEW STATIONS
 30 WUXA OH Portsmouth; Janesville Broadc'g
 32 WTMV FL Lakeland; WIUD
 65 WKYI OH Defiance; Community Television Associates
 27 WQEC IL Quincy; West Central Illinois Educational Telecommunications Corporation
 15 KOIA-TV IA Ottumwa; Haynes Communications
 24 KPEJ TX Odessa; Odessa Family Televis'n
 36 KOCV-TV TX Odessa; Odessa Junior College District
 17 KJJW TX Tuxarkana; Powell Broadcasting
 52 WETV MD Cumberland; Contemporary Communications
 64 WSWB-TV PA Scranton; Scranton Family TV
 58 KDIA-TV TX Dallas; Metroplex Broadcasting
 14 KAHT UT Salt Lake City; American Television of Utah

CALL LETTER GRANTS: CHANGE EXISTING
 64 WIII OH Cincinnati; WBTI
 51 WSCV FL Fort Lauderdale; WKID
 3 KIDK ID Idaho Falls; KID-TV
 20 KTBW-TV WA Tacoma; KQFB
 2 KXMA-TV ND Dickinson; KNDX
 62 KZKO-TV MO Kansas City; KEKR-TV
 47 WSYN-TV MI Lansing; WFSL-TV

CHANGES IN THE TABLE OF ASSIGNMENTS
 AL Troy: add 67z
 GA Macon: add 64- (in response to petition by Larry Fuss for ch. 53. A ch. 64 assignment could fit the antenna farm near Macon with no short-spacing.)
 KS Junction City; add 6- (site restriction 26.8 miles southwest to protect WQWT-TV, ch. 6 in Omaha, NE)
 KS Dodge City: delete 6- (incorrectly listed as 6+ in 47CFR, section 73.606)
 KS Insign: add 6+ (replacing the Dodge City

assignment since it is used by KTVC in Ensign, and changing the offset from - to + to accommodate the new Junction City assignment.)
 PR Arecibo: delete 80z; add 60z (site restriction 1.4 miles west to protect a CP for ch. 46 in Cidra)
 PR Cayey: delete 76z
 PR San Juan: delete *74z
 PR Utuado: delete *70z (Channels 70-83 were reallocated to land mobile in the United States in 1970 and assignments on those channels were deleted. But the FCC neglected to delete those assignments from Puerto Rico. Certain other assignments were proposed by the FCC to substitute for the above deletions, but the proposed assignment in Arecibo was the only one of the proposals to receive any interest.)
 MI Bad Axe: add *35z, *57-; delete *15 to protect nearby land mobile. Response to petitions by Delta College and Central Michigan University.
 AZ Flagstaff: add 4+ (site restriction 8.9 miles south of Flagstaff to protect KVOA-TV ch. 4 in Tucson and application for ch. 4 in Cedar City, UT.)

STATIONS ON THE AIR
 NM Las Cruces; KASK-TV, ch. 48, went on the air 11/18/1984. 80 kw ERP; -120' AAT/163' AG/4063' ASL; coordinates 32°18' 41"/106°04' 43"; TL to First National Bank tower in Las Cruces. Address: KASK-TV, Suite 900, First National Bank Tower, Las Cruces, NM, 88001.
 NY Albany-Schenectady; WUSV, ch. 45, went on the air 12/3/1984. 2940 kw max; 1110' AAT/151' AG/1961' ASL; coordinates 42°37' 37"/74°00' 40"; TL 0.2 mile west of Pinnacle Road, 1 mile south of intersection with Beaver Dam Road; Address: Union Street Video, 165 Freeman's Bridge Road, Scotia, NY, 12302.
 TX Laredo; KLDQ-TV, ch. 27, went on the air 12/18/1984; 5000 kw max/1462.18 kw hor.; 948' AAT/1049' AG/1549' ASL; coordinates 27°40' 22"/99°39' 23"; TL State Road 1472, 12 miles northwest of Laredo; address: Panorama Broadcasting Company, 1600 Water Street, River Drive Mall, Laredo, TX, 78040.
 FL Miami; WBFS-TV, ch. 33, went on the air on 12/9/1984. Data mentioned last month. Address: Channel 33, Inc., 16550 NW 52nd Avenue, Miami, FL, 33014.
 VA Richmond; WTLI, ch. 63, went on the air on 11/24/1984; 681 kw max ERP; 729' AAT/597' AG/947' ASL; coordinates 37°30' 46"/77°36' 06"; TL at 23 Sesame Street, Midlothian; address: National Capital Christian Broadcasting Inc., 312 E. Grace Street, Richmond, VA, 23219; independent religious station.

NETWORK CHANGE
 CA El Centro: KBCY, ch. 9, changes from ABC to CBS effective 3/3/1985. Was operating on ABC's Pacific Time Zone schedule, but will switch to Mountain Zone with CBS, as is NBC affiliate KYEL-TV.

CANADIAN NOTES FROM WALTER PATTON

"The Federal Government has cut the CBC's grant by \$75 million. This will result in a drastic reduction in the Corporation's future capital spending and a capital recovery program by the government will freeze some programs already approved but not yet begun. The first affected will be the Regina/Moose Jaw SA consolidation project. Hearings for the proposed commercial stations on the cleared Ch. 13 have been delayed. (Regina is one of those places where they don't understand what channels 14 and up are all about.)"

"CANCOM has been authorized to add WXYZ (7) Detroit MI ABC to its satellite service, but it has yet to put the authorized Seattle WA ABC & NBC stations on the bird."

DELETIONS

B.C. Campbell River; CBUT-9, ch. 82
B.C. Wokas Lake; CBUT-11, ch. 60

CHANGES GRANTED

B.C. Fort St. John; CFPV-TV-1, ch. 2, 426 watts: to rebroadcast CHAN, ch. 8 in Vancouver instead of CFRN, ch. 3 in Edmonton. Both are CTV.

ONT. Temagami, CBCQ-TV-1, ch. 15, 14.2 kw: to rebroadcast CBC Anik (AT) instead of CHNB, ch. 4, North Bay.

SASK Yorkton, CICC-TV-2, ch. 10: to increase ERP from 7.8 kw to 10 kw.

APPLICATIONS FOR CHANGES

ONT. Elliot Lake; CKNC-TV-1, ch. 7: to raise ERP from 12.5 kw to 34 kw.

ONT. Kearns; CFCL-TV-2, ch. 2: to rebroadcast CFCL, ch. 6 in Timmins instead of CKNC, ch. 9 in Sudbury

ONT. Little Current, CBCE, ch. 16, to lower ERP from 59 kw to 23.7 kw.

SYRACUSE, NEW YORK: WTVH(TV)

As reported a few months back, the Syracuse Peace Council complained to the FCC that WTVH had run a series of commercials promoting the Energy Association of New York's construction of the Nine Mile II Nuclear plant as a "sound investment" without allowing equal time to opposing viewpoints. The Peace Council had claimed that WTVH made no effort to fulfill its obligations to seek out opposing viewpoints. The FCC, in turn, had found WTVH in violation of the fairness doctrine.

But WTVH is petitioning the FCC to reconsider its decision. Its contention is that during the year of the advertisements in question, 1982, it had determined that the issue was not sufficiently controversial to invoke fairness doctrine concerns.

TELETEXT UPDATE

NABTS (North American Broadcast Teletext System) suffered a setback in its effort to become the standard teletext system for the United States.

NBC, which along with CBS has been using the NABTS for their teletext services and promoting the use of that system among their affiliates, was scheduled to drop out of the teletext business this past January. The problem was the cost of the decoders, which exceeded their worth. So far, Panasonic is the only manufacturer of decoders for the

NABTS standard. The \$300 decoders were compatible with only the Panasonic top-of-the-line sets which cost \$1200. Panasonic plans to introduce a \$1000 model equipped with a decoder sometime this spring, along with a \$500 decoder that would be compatible with all television sets. RCA, the parent company of NBC, has not been able to manufacture a less expensive decoder.

This makes things look better for the other contender for the United States standard: the World System Teletext. (It seems to me that both systems have taken on rather presumptuous names.) Zenith is currently manufacturing decoders for \$300, which are compatible with any television set. WST has the advantages of being much cheaper than the NABTS, but it has very poor graphics capability. It is this graphics capability in the NABTS which is supposed to attract audiences and advertisers. Meanwhile CBS is still going on with Extravision, its own teletext service which uses NABTS, hoping that the prices will eventually come down.

FORUM

Ronald Purdue reports that WWQL, ch. 25 in La Crosse, WI, is still not yet on. KXLT, channel 47 in Rochester, MN, plans to go on the air on March 9. The transmitter tower in Haverhill Township, northeast of Rochester, is already built. According to a newspaper article sent by Ronald, the station will operate at a reduced power at first. Difficulties in establishing a microwave link between the Rochester station and KXLT in St. Cloud, whose signals it will rebroadcast, might delay the startup date. Most of the programs, that is, will be rebroadcast. KXLT will have local public affairs programming and farm business reports. Ron says that many of the syndicated programs that will be rebroadcast on KXLT can also be seen on KINT, ch. 3 in Mason City, IA.

Bob Hemple sent a clipping from the Des Moines Register, dated 12/30/1984, about K42AM in Ottumwa, IA, which went on the air on 11/5. The station features movies, country music videos, religious programs, sports, business reports, and local news. Most of the programming is from SPN (Satellite Program Network). Local production includes basketball games from local high schools.

Walter Patton reports, "A newspaper report on Cuba says they are running American movies recorded off-air from U.S. stations complete with the call letters of the U.S. stations from which it was recorded. Movies are run in the original language with Spanish subtitles. This would of course be the source of all those Bulgarian language un-ids which keep appearing in the VUD." (I didn't know they spoke English in Bulgaria. Anyway, if the Cubans are doing this, I can see a UFO enthusiast logging one of their stations and making another stir like they did with the KLEE hoax of the fifties. I'm sure "Bedtime for Bonzo" will be a favorite among the Cubans. -wbf)

Bill Draeb reported that WLRE, ch. 26 in Milwaukee filed for bankruptcy after being faced with several lawsuits. They own some California film companies \$900,000.00 for films which they never paid for. (Maybe they

can air them under the heading "The Million Dollar Movie") Gerald Newman, who owns most of WLRE, is having other financial problems also. The state of Wisconsin is putting him out of business. WLRE is still on 24 hours a day.

By the way, I'm sorry if Bill Draeb or any others were offended when I equated Mondale, Ferraro and Culpepper with the Three Stooges. After all, the Stooges did have some talent. But my humor does get carried away sometimes, as George Mileon will agree after writing Sony about their Bonsai antennas.

Speaking of George, WNDS finally sent him the UHF antenna they promised him. But he had to buy his own fertilizer for it.

Although my religious views are close to those of John Combs and John Zondlo, and possibly Doug Dornbros, and my political views close to Alex Keaton's, I usually avoid using the Television News column to present my own opinions. Nor would I criticize other editors who choose to express their views. Just don't start publishing centerfolds in the VUD.

Naturally, the subjects of religion and politics, as well as racial and social issues, are related to television, and I may make an occasional comment. I also invite others to make comments.

And with that I go to Robert Goodman's reply to my reply to his earlier letter. I will give his reply without further comments, but others may feel free to write in their replies for or against his opinion.

"Roads and railroads have been, and are continuing to be, built without eminent domain and without taxes. Anything that can be done with taxation and/or eminent domain can also be done without same, if the people involved are willing to pay the price. Force gives people no special abilities. I'm against taxation and eminent domain.

"In order for the radio spectrum to become property, you mustn't think of its boundaries as coterminous with land boundaries. Of course, if my signal is actually confined to my land, then I can't be said to be violating anyone else's property. But maybe I can also own, say, 137.1 to 137.3 Mhz out to the .05 mV/m contour of the transmitter I operated on the day of the revolution. Then no third party should be allowed to interfere with communication between myself and others in that space, regardless of land boundaries. The conceptual problem isn't so tough. If I own a car, it's still my car regardless of where I drive it, and neither it nor its contents should be stolen. I ask only that you don't collide with me.

"While interference protection is necessary and sufficient for the establishment of a property order in rf, enforcement of technical standards is antithetical to such order. Whether I choose to modulate my carrier with NTSC color or PAL or just tap out code is just a matter of the content of my transmission, the same as whether I choose to send jazz music, news, racial slurs, taxi calls, slow scan video, test tones, or a secret code. Records and tapes are produced and used on equipment conforming to certain technical standards, but

government didn't have to decree them. Languages--spoken, written, and computer--are technical standards which were arrived at without State help or force. (However, today we have the Academie Francaise, a French government agency, which arrogantly decides what is and isn't officially French.)

"The idea of rf space as property didn't originate with me. I can send you a bibliography if you want more details, but I don't know whether any of it is more persuasive than what I say.

"And yes, the Fairness Doctrine and specific applications of it make my blood boil."

The parenthetical statement in the third paragraph are Roberts, not mine.

And so this column is open for comments on religion, politics, social issues, moral issues, racial issues, government regulation, deregulation, the future of television, or any other subject, as long as it is related to television.

Richard Clark confirms WPRV-TV, ch. 13 in Fajardo, Puerto Rico is on the air. "It was first granted a CP on July 16, 1958! Did the FCC forget about this station? Was there any other TV station in United States with a longer CP than this one?" Yep! And it's still not on the air! It's WTVU, channel 59 in New Haven, CT, and as far as I know they still don't have a projected air date. They got their CP on 6/24/1953! (525 lines per frame? I thought we were supposed to use 415 lines per frame! What's that? Color?! When did they invent that? I don't think our Nipkow disk can spin that fast. I suppose next you're gonna say that someone invented stereo television!)

Richard says that WPRV-TV is the third English language TV in Puerto Rico, along with WSJU-TV, ch. 18 and WRWR-TV, ch. 30.

There are two television networks in Puerto Rico: WAPA-TV and Telemundo. WOLE-TV, ch. 12 in Aguadilla, is now WAPA-TV network, formerly Telemundo. WORA-TV, ch. 5 in Mayaguez, switched from WAPA-TV to Telemundo. Meanwhile WVED, ch. 44 in Aguadilla, is also WAPA-TV network.

Ed Shepherd says that the Florida News Network is not the first of its kind. A group of television stations in North Carolina have been doing the same thing for several years. The stations include WFMY, ch. 2 in Greensboro, WSOB, ch. 9 in Charlotte, a couple of Raleigh-Durham stations, and may have added stations from Columbia or Charleston, SC.

Ed also sent in a clipping from the 1/10/85 Charlotte Observer about W68BL, a LPTV station scheduled to begin broadcasting in Charlotte on 2/15. The station, transmitting 1 kw from the First Union National Bank building, will transmit a pay-per-view service using Premiere STV service and Zenith decoders, which will be sold, with a radius of 25 to 35 miles (the signal, that is.). The station will broadcast movies from around 8:00 p.m. to midnight, and Saturday matinees at 1:00 p.m. There may be special concerts and sports events, also on a pay-per-view basis.

Jeff Kadet says that channel 27's tower is about half completed and startup should be in

the spring after the cold weather is over. (But which channel 27 is that?) He is still trying to find out about his unidentified ch. 43, and wondered about the LPTV in Hopkinsville. The station is W43AG, Hopkinsville, KY, and operates with 17.1 kw ERP. Being about 300 miles from Macomb and in the right direction, it certainly could be the station he received.

Jim Pizzi sent in some information on Mexican stations:

CH CALLS NETWK LOCATION

- 2s XHRPM? TRM Tuxtla, Chapas
- 2s XHPM XHTM Veracruz, Ver.
- 3s XHPAH local Pachuca, Hidalgo
- 3+ XHP local Puebla, Pue.
- 3+ XEZ XEW Cerro del Zamorano, GRO
- 3s XHY local Merida, Yuc.
- 4s XHGV TRM Jalapa, Ver.
- 5? XHII XEW ? (Yucatan?)
- 5s XHAX XHGG Las Lajas, Ver.
- 6+ XEHL? local Guadalajara, Jal.
- 6+ I??? TRM Tabasco or Yuc?

Jim reports also that KDFI, channel 27, calls itself "The Movie Star." DFI stands for Dallas-Fort Worth Independent.

George Milson caught a note in the Boston Globe that WVVJ-TV, ch. 66 in Marlborough, MA, will have a video music format, and should be on soon. The newspaper called the station WVTV in Boston, but then again what do newspapers know?

W.R. McIntosh sent in a clipping from the Los Angeles Times about Gene Scott and channel 30 in San Bernardino, CA. He describes Scott as having a BIG mouth, which is probably true, but I still have to respect somebody who speaks out against government bureaucracy, specifically the FCC.

"Glendale preacher Gene Scott shut down his KHOP-TV Channel 30 on May 23, 1983, after courts had upheld the (FCC's) refusal to renew his license.... However, when the FCC allowed Channel 30 to resume broadcasting last week (late January -wbf), under new call letters and a new interim operator, the first face seen on the screen was...Scott." "Angeles Broadcasting Network, the interim operator under the call letters KAGL, is using Scott's transmitting facilities in the San Gabriel Mountains above Claremont in exchange for time on the channel. A spokeswoman for Scott said the minister was able to get the time slot he wanted—0 p.m. to 1 a.m. nightly." "Despite the resumption of broadcasting, so far with an all-religious format, controversy still surrounds Channel 30. Angeles' closest competitor for the interim license, Orange County-based Maranatha Broadcasting, is one of three parties that filed an appeal in the U.S. Court of Appeals in the District of Columbia. Contested was the FCC decision early last month (January -wbf) to grant Angeles Broadcasting the chance to resume broadcasting while the commission selects a permanent operator, a process that some say could take 2 to 10 years. The FCC narrowed its selection of an interim operator to Angeles and Maranatha, and picked Angeles because if offered 33% minority and female ownership, compared to Maranatha's proposal of 25% ownership. FCC Review Board officials said

at the time that the difference, 'while slight is significant enough under existing precedent to tip the comparative scales in favor of Angeles. Although Channel 30 was dark from May 24, 1983, until the station resumed broadcasting Jan. 20, Scott had continued his radio broadcasts and the buying of time on other television outlets. At the start of this year, the minister, whose evangelism and anti-bureaucracy messages were mixed with frequent fund-raising appeals, was on both cable and broadcasting stations around the country.... Last Week, Faith Center completed the sale of its Jartford, Conn., station WHCT-TV to Astro-Line Communications Co., of Saugus, Mass...."

Also from Mc were two clippings, two days apart, about KBSC-TV, channel 52 in Corona, CA. The 2/5/85 article states that Oak Industries, owner of KBSC-TV and of ON-TV, is selling its ON-TV service to Selec-TV, which is already on KRCB-TV, ch. 22 in Los Angeles. Selec-TV will then operate both services separately: its own all-movie format on KRCB and the sports-movies mixture that ON-TV had used on KBSC. Two days later (Los Angeles Times, 2/7/85) Oak announced that it was going to sell KRCB-TV to a group of investors. It could take six months or more to complete the sale, at which time Selec-TV will have to negotiate with the new owners to keep its second service on that station.

Mc also writes, relating to ch. 30, that he watched the station for 3 1/2 hours straight and didn't see any identification. Sounds odd, but I wonder if, since they are only an interim operation, they aren't required to conform to rules for licensed full service stations.

From Dave Nieman, an article by Ron Wold of Knight News Service about private reception of satellite signals. A federal law is now in effect that defines the rights and responsibilities of private owners of satellite dishes. Cable programming services had complained of copyright infringement, and cable operators objected to unfair competition. But manufacturers, dealers, and owners of dishes claimed that viewers had as much right to see a satellite program as they did local broadcast stations. The Congress of the United States, deciding that both sides were right, passed a law which legalized private use of satellite dishes as well as private ownership. Cable programming services have the right to protect copyrighted material from unauthorized use by scrambling their signals. While dish owners have the right to intercept signals for private viewing, they are not allowed to intercept encoded signals. Nor can they intercept other programming if a marketing plan and payment system have been established. One of the contentions from private viewers who were intercepting HBO is that they had no cable facilities with which to receive HBO, and had even offered to pay HBO for the programs they were intercepting. HBO refused to deal with private viewers. Under this new rule, private viewers have the right to watch HBO, as long as it is unscrambled, if HBO refuses to set up a payment system with them. The rule also says

that private reception cannot be used for financial gain. That is, if you are within your legal rights in watching a satellite program, you still can't charge admission from others who want to watch it in your house.

Apparently HBO now has plans on dealing with individuals. HBO began installation of a highly secure coding system and plan to encode all of its transmissions by March. Showtime and The Movie Channel will begin coding their signals by this fall. The Disney Channel and some other cablecasters are also considering coding their signals.

Private viewers still have to confront local zoning ordinances, many of which treat dish antennas as an eyesore and prohibit their installation in some areas.

Randy Miltier reports that KRCB, channel 22 in Cotati, CA, is now on the air. It's a PBS outlet and identifies as "Cotati-Rohnert Park." They came on the air sometime between January 13-20.

Randy also sent an article from the 1/31/85 San Jose Mercury News. It seems that KBHK, channel 44 (UHF station), offered KQED (channel 9, a VHF station) \$50 million dollars if it agreed to switch channels. That would put KBHK-TV in a competitive position with KTVU, channel 2 in Oakland, CA. But KQED wasn't buying. KBHK offered to pay for a costly study on the effects such a channel change would have on the viewership of KQED. KQED said 'no.' KQED wants to keep its signal quality. It's already operating on maximum allowable power, and even at maximum allowable power on UHF, it just wouldn't have the viewership. That means fewer paying viewers.

The idea of educational VHF's and commercial UHF's swapping channels started last year when a UHF in Tampa, Florida offered WEDU, channel 3 in Tampa, \$25 million to switch, pending FCC approval.

Actually, the idea of channel swapping with educational VHF's goes a lot farther than the article, and it was rather timely that this article appeared. Last December, commissioner James Quello suggested that a rulemaking be proposed that would allow this very thing. The FCC is presently drafting a proposed rule making that would allow the table of channel assignments to be modified to permit channel trades with commercial facilities.

While some commercial broadcasters are interested in the idea, public broadcasters are rather cool. Also, some existing commercial VHF stations would suffer greater competition from such a trade. FCC officials also warn that case law and FCC practice would allow such changes in channel assignments to be open for competing interests and third party applications. (Hence the Tulsa situation that I occasionally mention.)

John Combs got some information on translator links for WTOG-TV. It also illustrates what I said earlier about one translator receiving the signals of another translator through a microwave link. W61AK, Inverness, 100w TPO, 1500w ERP, 10 mile radius, 400' AG, picks up WTOG directly. W29AB, Ocala, 1000w TPO, 15,900w ERP, 20 mile radius, via MR from

W61AK. W61AP, Okeechobee, 100w TPO, 1040w ERP, 9 mile radius, picks up WTOG directly. W21AB, Fort Pierce, 1000w TPO, 10,570w ERP, 18 mile radius, via MR from W61AP. W27AE, Sebring, 1000w TPO, 10,443w ERP, 18 mile radius, 400' AG, receives WTOG directly.

This next article was sent in by both Larry Fuss and Nick Lombardi. It was in the 1/27/85 Atlanta Journal and Constitution, about WNEE-TV, channel 32 in Toccoa, GA, an independent station that went on the air 9/9/1984. It gives a geographical view of Toccoa. The area covered by the WNEE-TV signal is beyond the reach of the Atlanta network stations, which can be received only when DX conditions are good. Most of their television viewing is from South Carolina and North Carolina stations, which give little interest in north-eastern Georgia. Roy Gaines, owner of radio station WNEE-AM, decided to bring an independent television station to his community. He filed an application for the station in 1982, and a competing application appeared from Millard Oakley a few months later. After paying Oakley \$10,000 to drop his competing application, Gaines was granted a construction permit in March, 1983. The station operates 647 kw ERP from a tower three miles north of Toccoa, and transmits over a 40-50 mile radius. The station signs on at 10:00 a.m., offering old movies, syndicated programs, first-run syndicated programs, syndicated sports, and CNN Headline News. Gaines is also interested in local programming, with local high school basketball and football games, and plans to begin a nightly local news staff by late spring.

LOS ANGELES, CA SHERIFF AT IT AGAIN

The Los Angeles County Sheriff, who has been throwing a fit ever since ADAM-12 was taken off the air, is swinging another attack at television. Now he wants the FCC to allow him to use channel 16 for public safety purposes, although he admits that it may cause interference to KSCI, channel 18 in San Bernardino. He does blame the potential interference on poor selectivity of cheap television sets. California Broadcasting Corp. was already granted a construction permit for channel 16 in nearby Ventura. The sheriff thinks the FCC should act now before construction begins on the station, so that the station could be reallocated to channel 41 at no extra expense.

A few additional notes from this local area. WRBV, channel 65 in Vineland, NJ, which had lost its contract with WHT and is no longer broadcasting pay-TV in the evenings, was for a while signing off in the afternoon. It is now broadcasting video music in the evenings until around 11:00 p.m. WDPB, ch. 64 in Seaford, DE, is still partly rebroadcasting WHYI and partly doing its own thing with very old films. WHMM, ch. 32 in Washington DC was off for a few weeks, but is back on the air now.

FM NEWS

Bruce F. Elving, Ph.D., Editor
4515 Avenue "E"
Kearney NE 68847-2610, U. S. A. [Columbia]

NEW FM STATIONS GRANTED

AL Ashland-Lineville WASZ 95.3 1000 h,v; 540', did not delete; in fact, is on air and DX ready with k, '95 Country, but not sure if stereo or not
AL Auburn W224AK 92.7 (translator of WEIZ 100.1 Phenix City AL) [Tuscaloosa]
AL Bessemer W249AN 97.7 (WACT-FM 105.5 / AL Fairfax W209AB '89.7 (WFRC 90.5 Columbus GA translator) [Haleyville]
AL Florence W276AM 103.1 (WJBB-FM 92.7 / AL Gadsden W268AM 101.7 (WTXK 95.9 Guntersville) [Broadcasting Foundation]
AL Langdale *91.5 g 380 h,v; 84', Ed. / AL Montgomery W285AJ 104.9 (WZZK 104.7 Birmingham) W296AI 107.1 (WKXK 106.9 [Columbus MS, mono s])
AL Tuscaloosa W261AD 100.1 (WACR-FM 103.9 / AK Anchorage K21B '89.3 100 h,v; 645', G AK Central-Arcade (65-42-30; 145-05-44) K219AD *91.7 (KUAC 104.7 Fairbanks xtr)
AK Fairbanks *91.5 375 h,v; 48', g, Found. AK Klavock K211AX *90.1 (KRBD 105.9 Ketchikan) AK Wasilla K60D (K-God7) *90.3 60000 h,v; 250', g, Missions North
AZ Kingman 105.9 36000 h,v; 3070'
AZ Phoenix-Grandia K257CD 99.3 (KSTM 107.1 Apache Junction AZ translator)
AZ Williams NDAN-FM 97.7 3000 h,v; 93'
CA Arcata-Bayside K265BT 100.9 (KCKA-FM 101.5 Eureka) [Educational Found.]
CA Goshen KYIA *90.1 385 h,v; 120', g; / CA Salinas *89.7 150 h,v; 1910', Prunedale Educational; gospel music assumed
CA San Luis Obispo *86.3 685 h,v; 1355', g; Pacific States Ed. Foundation
CO Berthoud Pass K244BL 92.7 (assumed to be a translator of KSMT 102.3 Breckenridge)
CO Cedaredge-Delta *K265BQ 100.9 (KJUL 90.3 Grand Junction) [Gunnison]
CO Crested Butte K228BX 93.5 (KVLE 102.3 / CO Widefield 106.3 600 h,v; 630'
FL Fort Myers Villas 106.3 3000 h,v; 300', initial decision, subject to reversal
FL Fort Walton Beach WPSM *91.1 385 h,v; 80', FWB Educational Foundation, [gospel]
FL Gainesville *90.5 50000 h,v; 500', g, Bible Broadcasting Network [Ed. Foundat'n]
FL Key West WMLD *90.9 340 h,v; 130', g, / FL Naples Park 105.5 630 h,v; 680', initial decision, subject to reversal
GA Augusta W261AP 100.1 (WUJB 96.7 Wrens)
GA Nashville 95.3 3000 h,v; 300'
IL Rushville 96.7 3000 h,v; 300'
IA Fairfield W272AL *102.3 (yes, a W call, even though west of the MS River; xtr of WDLW-FM 89.3 East Moline IL) [Ia. City]
IA Fort Madison K252BU 98.3 (KKRQ 100.7 / IA Mason City 93.5 3000 h,v; 285' [decis'n]
KS Great Bend 107.9 99000 h,v; 910' initial
KS Hutchinson K232BD 94.3 (KKXK 95.7 Ota.)
KS Independence K249CC 97.7 (* * Ottawa)

KY Burnside 93.9 3000 h,v; 330', a Class A on a Class B/C channel; watch for more of these in the future! [Ed. Foundation].
LA Erwinville KPAA *91.5 380 h,v; 120', g, / MI Gullivar 94.7 100000 h,v; 500', initial decision, subject to reversal; other application was for Manistique MI
MN Duluth 95.7 100000 h,v; 800', \$, to be 24 hours, expected on summer '85 [Duluth]
MN Moose Lake K203AN *88.5 (KDNW 90.5 / MS Belzoni 107.1 3000 h,v; 300' [ton]
MS Biloxi W221AM 92.1 (WLUN 95.3 Lumberville) [Broadcasting Foundation]
MS Gulfport W237AM 95.3 (WLUN—not an on-channel booster, but picks up signal from Biloxi, most likely)
MS Hattiesburg W249AO 97.7 (WLUN) [man]
MS Meridian W221AL 92.1 (WYKK 98.3 Quitman) Springfield *89.1 50000 h,v; 270', g, Baptist Bible College
MT East Helena 104.1 76000 h,v; 2165'
MT Glasgow K232BT 94.3 — see deletions; assumed causting deletion of K296BW 107-1 Glasgow, also a KYZZ 92.7 Wolf Point translator, although the two translators (as well as a third translator in Glasgow on 98.3) are owned by different parties. Something's fishy! [Tonopah]
NV Hawthorne K288CU 105.5 (KPAH 92.7 in / NJ Jersey City WHBI 10000 h,v; 390', initial decision, subject to reversal; to keep WHBI calls. Italian SCA intact.
NM Albuquerque (Mountain View) K265CA 100.9 (KLSK 104.1 Santa Fe translator)
NM Albuquerque 103.3 22400 h,v; 4070'
NM Ruidoso K292CX 106.3 (KBIN-FM 94.9 Roswell)
NM Socorro K288BN 92.7 3000 h,v; 300'
NY Batavia *90.7 535 h,v; 130', Genesee College [oul music; Uhuru Communications]
NY Binghamton WUCI *91.5 630 h,v; 790', s / NY Saranac Lake 101.7 2600 h,v; 320'
NC Manteo 99.3 3000 h,v; 190'
NO Grafton K292CU 106.3 (KQWB-FM 98.7 Moorhead MN)
ND Grand Forks K276GL 103.1 (KQWB-FM)
ND Jamestown K257CH 99.3 (KQWB-FM)
ND Riverdale K221BX 92.1 (KBTQ 105.9 Bottineau) [Columbus]
OH Athens W240AI 95.9 (WSNY 94.7 / OK Ardmore K252CA 98.3 (KLBC 107.1 Dur.)
OK Mangum 92.1 3000 h,v; 300' (GCC gave ht. as 1580', which is too tall for a Class A with 3000) [Silva Ed. Foundation]
OR Coos Bay *89.3 690 h,v; 440', g, [P. / OR Grants Pass K296CG 107.1 (KCNM-FM 101.9 Ashland)
PA Allentown (Lehigh) W204AC *88.7 (WKDN 106.9 Camden NJ; WKDN now qualifies for an 'l' listing)
PA Beaver Falls WITX *90.9 100 h,v; 120'
BF Educational Broadcasting Foundation.
PA St. Marys WYUN 97.5 18000 h,v; 750'

SC Darlington W219AE *91.7 (WVHK 89.7 / SC Hanahan 96.1 100000 h,v; 1140'
SD Belle Fourche K232BV 94.3 (KOLL 96.9 Gillette WY)
SD Deadwood K272CA 102.3 (KOLL)
SD Hot Springs K276CK 103.1 (KOLL) [City]
SD Mission K252BZ 98.3 (KGGG 100.3 Rapid / SD Rapid City KTGS *88.5 655 h,v; 360', g, 6t. Plains Ed. Trust. K292CV 106.3 (KOLL translator in Rapid City)
SD Spearfish K292CW 106.3 (KOLL)
SD Sturgis K257CG 99.3 (KOLL)
SD White River K221BV 92.1 (KGGG)
TN Chattanooga W249AP 97.7 (WALV 95.3 Cleveland TN) [Nashville]
TN Clarksville W244AL 96.7 (WZEZ 92.9 / TN Jackson W232AE 94.3 (WQKZ 96.7 Bolivar)
TX Denton 99.1 100000 h,v; 1170'
TX Hamilton 92.1 3000 h,v; 300' [esa]
TX Lubbock K249CD 97.7 (KIOF 104.7 Lam- / TX Midland K240BG 95.9 (KSEL-FM 93.7 Lubbock) [92.1 (KLCY-FM 94.1 Sait L. Cy)
UT Levan (and Rural Juab County) K221BY / VA Charlottesville W209AA *89.7 (WVTF 89.1 Roanoke) [g, (Timber Ridge Ministry)
VA Winchester *91.3 500 h,v; 445 v; 1350' / WA Olympia 96.1 100000 h,v; 1720' initial decision, subject to reversal
WY Gillette *91.9 510 h,v; 415', g, Heritage Educational Foundation, KWHG.
BC Rock Creek 103.7 130; CKGF AM Grand Forks is its owner
BC Tumbler Ridge (85 km SW Dawson Creek) 101.1 8 m \$, rm (CFM1101.1 New Westminster BC—off Cancom satellite)
NS Halifax CKDU 97.5 r, U. Students, 33w
NW Broughton Island 107.1 CB— (French)
10 watts (see map elsewhere) [satellite
NW Frobitshar Bay CFMI—97.9 10 w, off / CITE—100.1 10 w, off satellite
NW Mould Bay 99.1 CFMI— (mono), 10 w
NW Nanisivik 107.1 CB— CBC N. service, 10
NW Port Radium CBIP 105.1 82 h,v; -16', still on air, not deleting; relays
CFYK AM Yellowknife
YT Whitehorse 93.5 1 w, talk format (proceedings of the Yukon Legislative Assembly)

DELETIONS (all assumed; translators displaced by new FM station grants; see previous columns)
FL Gainesville W213AB *90.5
IA Mason City K228BA *93.5
MT Glasgow K296BW 107.1 (this one apparently displaced by another translator having the same primary station, but on a different frequency)
Stereo (\$)
AK Wasilla KMBZ 99.7 to 51000 h,v; -160'
CA Livingston KNTO 95.9, now Radio Mexicano (not Radio Canto)
CA Stockton KCJH *90.1

FCC-FM
GA Canton WCHK-FM 105.5 *Stereo soon, as per station announcement"
NM Las Vegas KLVF, *Stereo-101" [Lobo]
MEXICO Puebla, Pue. XHRS 90.1 r, "Radio/
NON-IDs
IA Des Moines KMGK 93.3 K-93, k
IA Fort Dodge KFTX 92.1 back on air, still k (via satellite), now KX (Kix)-92
NE Hastings KCNT *88.1 no nonID, if you'll pardon the double negative!
KS Lawrence KLZR 105.9 Laser
ND Bismarck KQDY 94.5 KQ-94 (not QD-94)
VT South Burlington WXXX 95.3 Triple X
ON Timmins CFTI 92.1 92-FM (not FM-92)
SA Swift Current CJGL 94.1 FM 94 (not GL-)
NW Alert CHAR 105.9 Char-FM (as in the fish, Arctic Char. Alert is too far N. for any news or other network; out of range of usual satellites. *Once relayed by microwave 10 p. m. news audio of CBC north-TV ch. 9 Eureka NWT, but that TV station now off air due to switch to all-communications, non-broadcast satellite-." See map elsewhere.
MEXICO Guanajuato, Gua. XHAM-FM2 91.1, "Voice of Guanajuato," \$, new station? No answer yet from Mexican government to my letter asking for FM station info.

SCA, mostly at 67 kHz [for the blind.
WA Springfield WTCO *90.7 talking book / NE Lexington KRVN-FM 93.1 +X noisy data, farm and markets; paging on 92 kHz
SC Seneca WBFM 98.1 +X (telemetry; from CBS net. relay; "was this the only -C?")
TN Jackson WKIR 104.1 +ABC networks
TX El Paso KYSR 97.5 +Transit Radio (coded +M until such time as a transit radio category is created); has easy-listening music, news, commercials; run by Tom Bengimina, Kansas City, who I know. The first FM I ever listened to was on transit radio in Duluth, when WEBC-FM 92.3 had bus radio 1948-49; this probably had an influence in giving me the mild interest I have in FM radio to this day.
WA Spokane KPXB *91.1 +Talking Book, apparently replacing +X telemetry SCA.

Facilities' Changes Granted
AL Dothan W00F-FM 99.7 985' (100000 h,v), E network (from Mutual)
AZ Tucson KWFM 92.9 87000 h,v; 2040', rock
AK Bethel KJBA 100.1 64' (3000 h,v)
AZ Sun City KMKZ 106.3 300' (3000 h,v)
CA Anaheim KEZY-FM 95.9 2400 h,v; 330'
CA Arcata KXGO 93.1 93000 h,v (1050')
CA Monterey KWAV 96.9 2450' (18000 h,v)
CA Newport Beach KOCH 103.1 2600 h,v; 320'
CA San Francisco KKHJ-FM 95.7 69000h(1290')
CA Villa Grande K215AK *90.9, now has KPFA 94.1 Berkeley, not KUED-FM San Francisco
CC Boulder KBCO 97.3 1540' (100000h, direc)
CC Parachute K228BW 93.5 (from K261AV100.1)
GA Augusta WFMG 105.7 100000 h,v; 1320'

GA Cartersville WCCV *91.7 910 h,v; 540'
ID Payette KQPD 100.3 100000 h,v (475')
ID Pocatello KZBQ-FM 93.7 975' (100000h)
IL Carol WRUL 97.3 490' (50000 h,v)
IL Marion W00D-FM 107.3 490' (50000 h,v)
IL Murphysboro WTAO 104.9 330' (3000 h,v)
IN Crawfordsville WLFQ 103.9 1350 h,v; 495' [89.9]
IN Richmond W20BAA *89.5 (from K210AL / IA Creston K1TR 101.7 1850 h,v (400')
IA Decorah K257CI 99.3 (K265BK 100.9)
IA Pella KXJX 103.3 790' (100000 h,v)
KY Ashland WAMX 93.7 50000 h,v; 590' [600'
KY Paintsville WSPF-FM 98.9 94000 h,v; / MD Frederick W228AM 93.5 (from W276AB 103.1)
MA Boston WMLX 106.7 15500 h,v (900')
MA Cadillac WKJF-FM 92.9 1020' (100000h)
MI Clare WCFX 95.3 330' (3000 horizontal)
MI Detroit WHYT 96.3 20000 h,v; 785' [WCLS 99.5 18000 h,v; 750', DA
MN Aitkin KEZZ 94.3 330' (3000 h,v)
MN Duluth WNCB *89.1 495 h,v; 240'
W249AM 97.7 (from K244AX 96.7)
MN North Mankato KDOG 96.7 460 h,v; 745'
MN Virginia-Hibbing W1RR *90.9 21000 h,v; 460'
MN Winona KAGE-FM 95.3 1300 h,v (490')
MT Great Falls KOOZ 106.1 100000 h,v; 275'
MO Marshfield KTQZ 104.9 2400 h,v; 360'
MO St. Louis KEKZ 92.5 1010' (100000 h)
NE Central City KZLN 100.3 1845' (100, -000 h,v); to KBGT (ch. 8) tower near Genoa NE. [2190', reduces coverages.
NY Carson City KWNZ 97.3 29000 h,v; / NH Peterborough WNDK 92.1 250 h,v(120')
NH Las Cruces KASK 103.1 3000h(-110')
NY Brooklyn WKRK *90.9 (from 103.1; gives up all claims to 103.1)
NY Hornell WKQP 105.3 removes vertical polarization; now all h[orizontal]
NY Southold WBAZ 101.7 2500 h,v; 335'
NY Wethersfield WUWU 107.7 11500 h,v (800'), slightly changing its coverages to 30 miles primary; 67 secondary
NY Walton WDLA-FM 92.1 (not 94.9) 690 h,v (660')
NC Elon College WSOE *89.3 120' (500 h,v)
NC High Point WGLD 100.3 1045' (100000h)
OH Beavercreek WYMJ-FM 103.9 11500h; 520'
OH Columbus WBNS-FM 97.1 20500 h,v(780')
OH Hamilton WBLZ 103.5 19000 h,v (790')
OH Johnstown WZZT 103.1 330' (3000 h,v)
OH Lima WINT 102.1 11000 h,v; 1050'
OH Marietta WEYQ 94.3 3000 h,v; 270'
OK Bartlesville KYFM 100.1 950 h,v; 495'
OK Nowata KNFB 94.3 1700 h,v; 400'
OK Seminole KSLE 105.5 2000 h,v; 360'
OK Stillwater K276CM 103.1 (from K272BP 102.3) [K278AA 103.5]
OR Klamath Falls K280BW 103.9 (from / OR Portland KINK 101.9 1675' (97000 h,v)
PA Harrisburg WFSM 99.3 3000 h,v; 330'
PA Martinsburg WJSM-FM 92.7 580 h,v; 605'
PA Starview WHTF 92.7 625 h,v (700')
SC Summerville WVVZ 93.5 1500 h,v (460').

March, 1985
TX Dallas WRR 101.1 (100000 h,v)
TX Freeport 103.3 540' (100000 h,v)
TX Llano KFQX-FM 104.9 325' (3000 h,v)
TX Lubbock K00D-FM 94.5 565' (100000 h)
TX Mesquite KOEM *88.3 250' (3000 h,v)
TX Port Arthur KYKR 93.3 1090' (100000h)
TX Terrell Hills KESI 106.7 (from 106.3): 100000 h,v; 1020', nonID assumed
dropped; dual city ID assumed retained
UT Logan KBLQ-FM 92.9 100000 h,v; 155'
VT Vergennes W1ZN 106.3 1050 h,v (550')
VA Lynchburg WKZZ 100.1 420 h,v; 650'
VA Waynesboro W221AK 92.1 (from W257AD 99.3)
WA Bremerton KHIT 106.9 1495' (100000h)
WA Spokane KXLY-FM 99.9 37000h; 3000'
WA Tacoma KNBZ 97.3 1480' (10000 h,v)
WA Tappanish K2HR 92.7 410 h,v; 870'
WY Greybull KZMQ 100.3 25000 h,v; -32', a drastic reduction to bare Class C status; maybe now they'll come on air!
PR PONCE WQCI 93.3 15500 h,v; 2470'
NS Shelburne CKBN-2 93.1 8600 (was to have changed to a Class A, but believed to be staying on 93.1)
ON Toronto CFNY 102.1 (never mentions Brampton; no nonID, certainly not "NY-FM," [nounced height; assumed h,v
PQ Laval CFLG 105.7 41000, new, unan- / PQ Trois Rivières CBF-8 88.1 (from 100.1) CBF-FM 104.3 47000 h,v; 130'. Was to have changed frequency, but no better frequency found, so will stay on 104.3, where it has existed since its days in Drummondville PQ.
ON Midland-Penetanguishene (from Penetanguishene) CBCM 107.5 (assumed also for CJBC-3 96.5)
ON Warton CBCN 98.7 (from Owen Sound; includes Owen Sound in its ID)
PQ Kangirsuk 90.1 (town changed from Payne Bay) [ly from Fort Chimo)
PQ Kuujuaq 90.1 (town changed official- / PQ Kuujuaqpprik CKJW 89.5 (spelling changed from Kuujuaq)
PQ Quaqtaq 90.1 (town spelling changed from Koartak) ["Resolute"]
NW Resolute Bay CBIL 105.1 (from /
Multi-City Identifications
NY Niagara Falls WRTX 98.5 adds Buffalo
ON Peterborough-Cobourg CBCP 93.5, delete the use of Cobourg
ON St. Catharines CHRE 105.7 adds Niagara [falls]; I do not list regions, so will list as the city of Niagara Falls with brackets around "Falls"
PQ Iles-de-la-Madeleine CBVM 95.3 location given in English as "Magdalen Islands." I do not recognize this, as 1 place cannot have two names. Does this mean CBSE 96.9 gives its location as "Seven Islands" PQ?
PQ Quebec CBVE 104.7 ID in English as Quebec [City]; add to FM Atlas, p. 138, 100000 h,v; 411'.

FCC-FM

PQ Roun-Noranda CHLM 96.5 IDs vaguely as "Abitibi"
PQ Sept-Isles CBSE 96.9 adds Port Cartier

Formats/Networks

AZ Parker KWHF *90.1 G (Moody) network
AR Hampton KXOL 107.1 G network
AR Yellowknife KCTT-FM 97.7 k[country]
CA Eureka KEKA-FM 101.5 k, "Redwood-101"
("strict). Has ABC, but not known which.
CA Oildale KLLY 95.3 m, "Kelly," not known if stereo or not [Kiss FM]
CT Hartford (Meriden) WKSS 95.7 r, "95.7/DC Washington WASH 97.1 has slight change in r format; no longer "Wash FM"
GA Augusta WLPE *91.7 G network
GA Gordon WQXM-FM 107.1 no D network (has CNN audio news); 1070 h,v, (540*)
GA Rome WQUT 102.3 R (from Y)
ID Boise KCIX 105.9 rock and country (rk)
IL Chicago WNET 95.5 m (m7); on top of hour they say: "WNET Chicago—the noise is gone."
KS Arkansas City KBUZ 106.5 soul (s)
KY St. Matthews WKKA 103.1 r, "Hit Radio, 103. . . RKA."
ME Millinocket WSYY-FM 97.7 m, "Sunny 98"
ME Saco WMYR (formerly WP16) 95.9 still k
MA Boston WHHT 103.3 no D, even though owned by CBS
MA Nantucket WQJX 96.3 r ["Foxy 96"]
MS Gulfport WKFX 96.7 soul and rock, /
NM Santa Fe KLSK 104.1 m (jazz at night)
NY Binghamton WAAL 99.1 r (now top 40)
NY Carthage WTOJ 103.1 r[ock] [mono]
NY Johnstown WSRD 104.9 r, assumed still /
NY Oneida WEFB 95.7 k (not [beautiful])
NC Lexington WBUY 94.1 k (from g; applies for 100000 h,v; 485*)
OR Cave Junction KBGG 102.7 to be m[-o-r]
PA Chambersburg WKIZ 95.1 S (AP network)
PA Harrisburg WHNK 104.1 rock [network]
PA South Williamsport WFXA-FM 99.3 no /
PA Williamsport WWSB 102.7 T (The Source)
SC Spartanburg WSPA-FM 98.9 S network
TX Giddings KGID 101.7 k; is it stereo?
UT Smithfield KVEZ 103.9 rock, "Z-104"
VA Exmore WKRE-FM 107.5 k, "K-Country 108," still NBC and believed to be mono
VA Salem WJLM 93.5 k (not g), Mutual and ABC-E for news, adding +G SCA at 67 kHz (Moody network); is stereo
PQ Gagnon CFJD 104.1 m (rebroadcasting CITE 107.3 Montreal when not doing local programs)

CA Tahoe City 96.5 KRZQ-FM (which is not in Wray CO, despite what Vane Jones' list says) [AM is in Grand Jet. CO]
CO Montrose 96.1 KSTR-FM (KWOE); KSTR is FL Coral Gables 105.1 WHQT (WEZI), rock
FL Key West 98.7 WQZM
FL Tallahassee 103.1 WTHZ (WOWD)
GA Augusta 103.1 WFXA-FM (WZZW)
HI Maui 88.7 KNPR
KY Paris 96.7 WCOZ (WNCN)
KY Prestonburg 105.5 WBVS (WPRT-FM)
LA Baton Rouge 98.1 WGGZ (WAFB-FM)
LA Franklin 105.5 KFMY (KFRA-FM)
LA Lake Charles KHLA (KHEZ), now m
LA Thibodaux *91.3 KNSU (KYFG)[easy 95]
MD Norrningside 95.5 WCLY (WPGC-FM), "Cl-MB"
MO Boston 100.7 WKKT (WCOZ), r, sometimes "The Cat," but not a nonIDr, as calls always used. Said to be still surveying its audience about program preferences, so there could be changes.
MA Orleans 104.7 WKPE-FM (WKPE); nonID assumed discontinued or changed [500']
MI Cadillac 96.7 WYTN (WEVZ); 1250 h,v; /
MI Pittsford *91.1 WPCJ (WURC)
MI Port Huron *88.3 WZJ1
MI Sault Ste. Marie 99.5 WYSS (WLXX), still r, some oldies [assumed dropped]
MI St. Johns 92.1 WKLH-FM (WKLH); nonID/
MS Kosciusko *91.7 W1WF
MO Joplin *88.3 K20ZAN (not K20ZAG)
MO Poplar Bluff 96.7 KXQJ
MT Libby 101.7 KTNV ("K-Tiny", x-KVAD)
NV Gardnerville-Winden 99.3 KGVM (KTRO)
NH Claremont 106.1 WHQD (WECH), still r
NC Claremont *88.1 WPAR (WUDD)
NC Forest City 93.3 WBBO-FM (WBBO-FM)
NC Robbinsville 95.9 WCVF-FM (WMO1)
NC Statesville 96.9 WLKY (WLWV); to 1550' (100000 h, 880000v), k format, "K-97," a Charlotte rim-shooter
ND Bismarck 96.5 KBYZ (KYSX)
ND Grand Forks 94.7 KNOX-FM (KYTN)
OK Durant 97.7 KDEP (not KYEP)
OR Grants Pass 107.1 K296DA (not K296CR)
OR Warm Springs 96.5 *KWSD (KWS1)
PA Coudersport 96.7 WYEF
PA Mechanicsburg 93.5 WTPA-FM (WKCD)
PA New Kensington 100.7 WWCJ (WNUF), r, "Classy"
SC Bamberg 92.1 WWLT (WWBD-FM)
SC Florence 106.3 WJMX-FM (WSTN)
SC Mount Pleasant 104.9 WDXZ
TN Germantown 94.3 WEZI (WLYS), still b
TX Amarillo 96.9 KLSF
TX Bastrop 107.1 KELG-FM
TX Burkburnett 104.7 KXWT
TX Corsicana 107.9 KAND-FM (KXCL)
TX Dallas *89.3 KCB1-FM (KCB1); now has a shortwave outlet known as KCB1)
TX Freer 95.9 KOBR (KAUA)
TX Houston 100.3 KILT-FM (KXAS-FM); is still k, "Texas 100"
TX Lamesa 100.3 KLTG
TX Seabrook 92.1 KYND (KZHQ) [106.7]
VA Manassas 106.7 WBVM (WEZR), r, "B-/VA Pound 102.3 WDXC (WHLH)
WA Seattle 107.7 KMG1 (KRAB)
WV Parkersburg 103.1 WXXK (WQAN)

Call Letters Assigned or Changed
AK Anchorage 100.5 KXGR (KCHG)
AZ Phoenix *91.5 KJZZ (KNCR); jazz format; affects several translators [h,v (535')]
AR Eureka Springs 100.9 KTCN (KNPY); 1100/
AR Mountain Home 105.5 KPFM (KGH)
CA Burrey *90.5 KTIQ [CA Victoryville]
CA Lakeport 98.3 KXBX 103.1 KYVQ-FM (KYVQ)
CA Mount Shasta 99.3 K257CA (from K257BL); adds Wed to principal community
CA Oakdale 95.1 KDJK (KOKQ), rock
CA Rosamond 105.5 KAVC (KCRP)
CA South Lake Tahoe *88.1 K20'AJ

March, 1985
WV South Charleston 100.9 WSCW-FM (WUQU)
WV Wheeling 107.5 WZMH (WANJ) [96.7]
WI Ashland 95.9 WJHH (WATW-FM); to go to 100.9 W265AG (from K265AM)
AT Calgary 90.9 CJSW
AT Fort Mc Murray 97.9 CKYX
BC Barriere 105.9 CFM-9
BC Victoria CFUV, to be on 105.1, 41 w, U. Students, quasi-commercial ["Q-101"]
ON Smiths Falls 101.1 CHEQ (CKUE); still/
MEXICO Tijuana BCN 95.7 XHKY (XHGS) 104.5 XLTN (XHERS), first known Mexican station starting with "XL"
TIjuana BCN 90.3 XHITZ (XHZ), "Hitz FM," r, still English
Call Questionable NY Sidney 100.9 WSID-FM (instead of WSID7). "WSID (AM) exists on 1400 kHz, and I have heard that one," but Vane Jones lists as WCOO (AM); could FM calls have been mentioned on AM?
More Dual-City IDs [Columbus]
GA Warm Springs WJSP-FM *88.1 adds /
NY Hornell WKPQ 105.3 "no dual city ID, but varies city each hour." I will keep it as Hornell-Groveland, but add the word "etc." until I find out exactly which cities are used. Even if it mentions 20 cities, I hope to list them all [MD.
PA Chambersburg WKIZ 95.1 adds Hagerstown/
PA Lancaster WLAN-FM 96.9 no multi-city ID any more
PA Shaokfn WSP1 95.3 adds "Coal Township," but I only list cities, not townships, counties or regions.
FBIstakes, 9th ed. FM Atlas
CO Alamosa add to map p. 63 *88.7 KRZA *90.9 KASF
IL Romeville, p. 112, WLRA *88.1 is 250v, not 10 watts
IN Earl Park p. 43, 98.3 W1BN (not 98.e.)
MS Jackson p. 113 WJUSU *88.5 missing, is: \$, 200, 3000 h,v
NM Maljean p. 129, town misspelled (WBLV)
OH Springfield p. 38 map 102.9 WAZU (not/
PA Harrisburg p. 101 W1MSP *94.9. * omitted
TX Brookeland p. 61 town misspelled

Family Radio is trying to get into many more U. S. markets via FM. They are talking to WDR *90.9 Detroit about using the 8:30 p. m. to 7:30 a. m. hours when WDR is normally off the air about sharing time. Write to mention other stations not on the air fulltime—stations in or near a major market. I will pass the word on to Family Radio!
Six applicants for FM 99.3 Kennebunkport ME threaten Dick Perrin's local 99.1 reception of WPLM Plymouth MA, the "only station carrying Bruins hockey games."
KZQR 92.1 Seabrook TX ("know affectionately to its seven listeners as the Zero-Cure") has been off and on the air, possibly to install automatic equipment; calls changing to KYND ("the old 92.5 easy listening calls in Pasadena") TX—so watch for a possible format change.

FCC-FM
FM NEWS AND READERS' COMMENTS
March, 1985
The FCC imposed a freeze on new noncommercial educational FM station applications and major facilities changes among existing stations. This freeze also included channel 6 TV station applications and facilities changes. After doing that, the FCC announced a partial thaw. It will accept AFM applications, 88.1 through 91.9, but only if the FM station has reached an agreement with potentially affected TV channel 6 stations. The agreements must be signed by all parties, and must be filed with an FM station application. What this means I am not sure. Even how to define a "potentially affected TV station" could be open to question. The matter has been before the FCC for 12 years—the problem of interference between TV 6 and educational FM. I wouldn't be surprised if the freeze effectively takes another 12 years, although the FCC announced when it imposed it that it would only last three or four months. Most affected are educational FM station applicants, since channel 6 TV is a largely developed service, with few, if any, applications on file for new stations or facilities improvements. Perhaps Bill Fahber can research from a TV standpoint this. Because of the freeze, I will not go ahead with an analysis of the new FCC rules and how certain stations could be squeezed in and others increase power. I'll wait and see what rules changes come about as the result of this freeze.
Opposing the new rules were organizations on the public radio side: National Federation of Community Broadcasters, the Corporation for Public Broadcasting and National Public Radio. Also opposing were TV-6 interests: Association of Maximum Service Telecasters, the National Association of Broadcasters, Taft Broadcasting, Capital Cities Communications, Chronicle Broadcasting and Storer Communications. Obviously, nobody is happy with the proposed new rules.
SCA symbols earlier proposed in this column look OK to John Ebeling, who somehow doesn't believe that Blaupunkt's ARI system will be much of a success in North America—"too many cassette units are in use and if overridden, the average person will tend to be annoyed. I would like to see, however a symbol for an open SCA carrier. Why exclude telemetry because it is used once ever 3 hours or so when a 92 kHz page system can (and will) be inactive for hours at a time!" KJJD 104.1 St. Louis Park MN has dropped its music SCA after some 15+ years; the SCA is inactive with an open carrier. John was not happy when I told him WEVE-FM got 97.9 allocated at Eveleth MN: "I need another 100 k on the Range like I need another hole in the head!"
WEVL *89.9 Memphis is off the air, but they are raising funds to go back on; possibly they're already back on the air. "I hope your composer gets fixed soon; I had forgotten how poor the old manual Hermes looks," says Nick Lombardi. I just spent \$50 getting the Hermes cleaned, new platen, etc.
A format change is about to happen at WGAN-FM 102.9 Portland ME, and they've been carrying ads to switch to WHOM 94.9; could be a trade-off, since WGAN-FM took WHOM's profitable SCA Muzak business away.
"Rim-shooter makes good," writes P. L. Boersma, with an article showing how WHUS-FM is attracting 5% of the Grand Rapids radio audience; WHUS-FM based in Muskegon, which I show as having a rock format, but the article calls it a country station. Phil: "All other GR rim-shooters got less than 1% (WYXX, WQWQ, WZND, WPLB; WKLQ 94.5 Holland got a 4.0, but they are not considered a 'rim-shooter', because their signal in GR is equal to other GR stations)." Bob Gilbert, Auburn ME, supplies many of the logos I use from his part of the world, including:

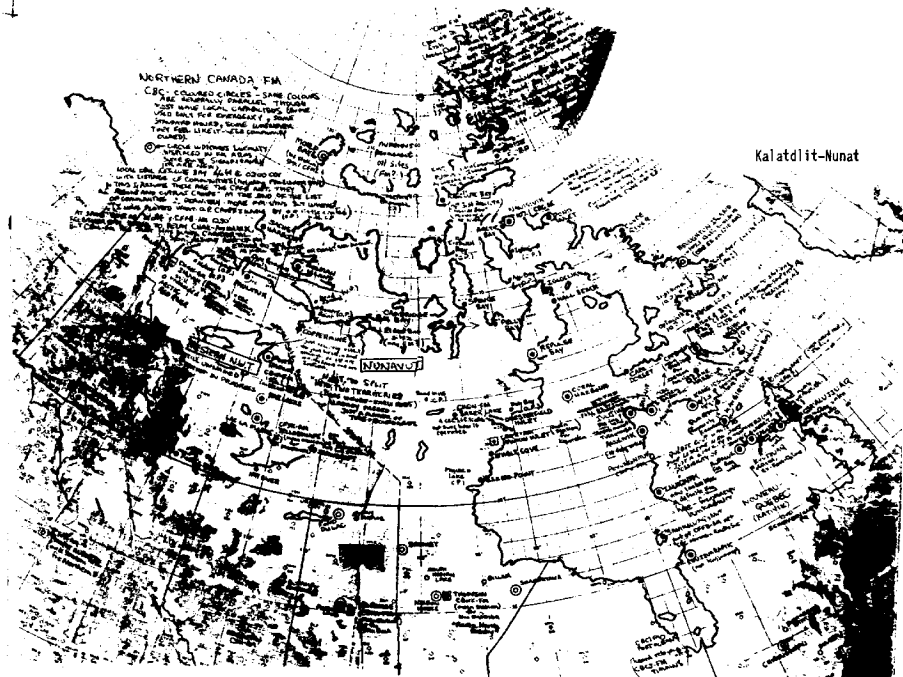
John Combs sent an article on the imminent sale of WHMK 105.5 St. Augustine FL, which will not change formats. The WHMK signal is receivable in the southern part of the Jacksonville metro area, with a tower height addition expected to improve its reception. WHMK was rated No. 20 out of 23 stations in the Jacksonville area by Arbitron.
A Little Rock reporter said KUAR *89.1 and KLRE *90.5 may merge, resulting in KLRE's deletion. KUAR not yet on air; but will be when and if it goes along with the University of Little Rock in a merger; funding has kept off the air it. KLRE restricted to 40000 h,v; but KUAR has 100000 m granted. DXing with a 13-year-old Sherwood S-8900 receiver and a newer NAD 4150 tuner is Gene Cooper. He especially likes the NAD for helping to bring KKGQ Los Angeles in from among all the "mindless rock on local stations." He's been in touch with Al Germond, also an NAD 4150 user, and I have a pictorial showing how SCA can be installed in an NAD 4020. Al says: "I'm sentimental for older tuners with knobs rather than buttons, levers, etc. There are few models with excellent specs that have digital tuning with a knob. And I think that older tuners were better on image rejection and selectivity. I appreciate the convenience of push buttons and realize DX listening is done by fewer and fewer people."
Another station off the air is WQPD 94.3 Lake City FL. John Combs said its tower fell early in the morning of 1-21 into Alligator Lake. "Record low temperatures of 5-10° caused ice buildup on the guy wires which caused the fall. WQPD is off-air indefinitely."
This classified ad I meant to place under "Facilities Changes," but only found it while typing this page; I believe John Ebeling saw it in Radio World. Jim Pizzi, who supplied much of the Mexican station information this month says "When old Mexico is in I try and see if they have stereo or not, also check formats and slogans." Popular Communications, p. 67, Jan. '85 had a brief mention of an experimental FM permit to a KOZGXG Portland OR, run by Stuart J. Kaplan, 104.1 mhz, "to develop another alternative for FM B/C allowable in small controlled areas." A mini-translator like I proposed to the FCC?
Music that makes you feel great.
is back on air at 100000 h,v; after being off the air because of "deliberate damage to our transmitting facilities caused by a high-power rifle." Jacksonville FL, 96.1. The WPKT *88.3 translator in CT is off air indefinitely; "really no need for it anymore now that WPKT has moved from Middlefield to Meriden and increased ERP toward Hartford. The Sony SRF-1100 is poor on FM, low sensitivity and very prone to overload. AM section is very good," writes John Ramsey. A church is buying KNVE 107.9 San Clemente, but will carry sports, as it now does. Watch for music to go to [gospel]. Club member Max Engel kindly sent tapes of the Ray Brien DX show from his local WABC New York. "It may interest you that I corresponded with Edwin H. Armstrong in the 1940s. I recorded the first commercially sponsored FM program, featuring the Rochester (NY) Symphony Orchestra. During the intermission Major Armstrong states 'nothing will stop FM now'. Ray Manson, president of Stromberg-Carlson (sponsor of the broadcast) introduced Major Armstrong. I have been an FM listener since 1946. My 1946 Stromberg-Carlson AM-FM-SW model 1121 receiver is in operative condition, and my family and I enjoy listening to it from time to time. In 1960 we purchased one of the last Stromberg-Carlson console receivers, distributed by General Dynamics."



VHF UTILITY DX

Donald L. Blevins
1657 Essextowne Circle
Baltimore, MD 21221
phone: 301-301-3408

This month in VHF Utility DX...DX from Marshall Cubitt of Smith Falls, Ontario Canada and Bill Nollman of Hartford, Connecticut: a little C & C.



Enclosed here is a little research and tidbits of information on northern Canada FM. I thought a map might be easier to show certain things. I'm leaving Resolute (NWT) on the 11th (Jan.) and will be in Cornwall ON for a little while. . . If you phone any of the local FM stations on this map, remember to talk slow, as the Cree and Inuit talk very slowly naturally. Besides, how fast would you be talking if you were out in -42° weather all the time? Facial expressions take the place of words. There is a new FM station in BC (location unkn) around 96 MHz, xtr of CFNI-AM Port Hardy BC, received at Cape St. James BC (S. tip of Queen Charlottes) during tropo, by a friend. NT Nanisivik 107.1 CBC N. Radio Service, relays CFFB AM Frobisher Bay. More new FM stations, frequencies unknown with phone # (819 area code): PQ Akulivik 496-2033; PQ Apulak 491-7088; PQ Inukjuak 254-8967; PQ Ivujivik 922-9966; PQ Kangiqsujuaq 337-5248; PQ Tasujuaq 633-9915; PQ Kangiqsujuaq 338-3365; NT Broughton Is. 927-8864; NT Polaris 253-6044; NT Nanisivik 436-7422; PQ Sal-luit (Tagamiut Nipingat, Inc.) 255-8822. Anyone having access to a Canadian Wats line, please call and find out more.

The map: To clarify what may not be readable: Little circles are Outpost Camps (OP) where low-power FM stations may exist. Writing at top is about CHAR, which is explained under "NonIDs." You'll note that the NWT is to split into two territories, probably in 1985; just a matter of time and settling boundaries. "Nunavut" will be one part; Western NWT still unnamed, "contest in progress." In N. Quebec is written: "Quebec govt. wants to dump extreme Northern part—just a liability to taxpayers (native peoples mainly); possibility of it joining Nunavut?" Good luck in reading the rest! Bill points out that many locations in western Quebec misplaced in the FM Atlas—like Rouyn, Val D'Or, Mont-Laurier, L'Annonciation, Rapides-des-Joachims, Maniwaki. I'll have to find a better reference atlas!

Also in Canada news, Walter Patton sent a clipping about a

heating-up race for 97.3 in Toronto, with three companies vying for the channel. Master FM on the CN Tower would house the transmitting antenna. One broadcaster wanting the channel is Martin Rosenthal, owner of Cobourg's CFMX, "Canada's only commercial classical music station. Because of its location, CFMX has a marginal presence in Toronto and Rosenthal hopes his second classical station will serve Metro with a clear, strong signal." CJCL AM and CJBX FM London are also interested, with CKEY (590 AM) still uncommitted about FM. "The Fort St. James BC TV Society was granted four CANCOM FM rebroadcasters, for" which no reliable decision was announced. They have two FM transmitters, but it is not known which of the announced frequencies (97.1, 99.1, 101.1 and 103.1) they will use. "I accidentally omitted the location of Arctic Red River NW in my last letter. It is 250 km E. of Old Crow YT." SCMO grant, PQ Magog CIMQ 106.1 for remote transmitter control; but I will not list it unless a reporter confirms -X-type noise on it most of the time it is on the air.

"A cut of \$75-million in CBC's government grant will result in a drastic reduction in new capital expenditures leading to a decline in new transmitter applications. . . CKMF 94.3 Montreal convinced the CRTC that its disco/dance music was actually within their MOR format mandate and not rock. The Commission is going to classify Windsor stations as 'experimental' in order to get around its own stiff rules. Windsor stations are taking a beating from Detroit, with their audiences at times being in the hundreds. This would, for instance, allow a top 40 format which the CRTC specifically forbids on FM. The Commission has also been forcing cable companies to drop U. S. FM stations soliciting ads in Canada as well as U. S. all-religion stations." Not enough for another full page, so I'll close for now and list contributors next month. Keep the contributions coming, and good DX!

BILL NOLLMAN West Hartford, CT reports

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=====
KCD 346 33.94
TOLLAND COUNTY MUTUAL AID
TOLLAND COUNTY CT
=====
KCD 346 33.80
TOLLAND COUNTY MUTUAL AID
TOLLAND COUNTY CT
=====
KCF 569 33.78
TOLLAND FIRE
TOLLAND CT
=====
KNEQ 612 463.175
TOWN OF GROTON
GROTON CT
=====
USE 555 47.50
TOWN OF GROTON
GROTON CT
=====
USF 238 46.18
VALLEY SHORE EMERG COMM
VALLEY SHORE CT
=====
USF 238 33.96
VALLEY SHORE EMERG COMM
WESTBROOK CT
=====
146.79
VHF 2 METER REPEATER
VERNON CT
=====
146.73
VHF 2 METER REPEATER
NORWICH CT
=====
KCH 209 33.96
WATERFORD FIRE
WATERFORD CT
=====
KCD 850 37.22
WATERFORD POLICE
WATERFORD CT
=====
KCD 850 37.20
WATERFORD POLICE
WATERFORD CT
=====
KXQ 885 33.92
WEQUETEQUOCK FIRE DIST
WEQUETEQUOCK CT
=====
33.48
WEST HARTFORD FIRE
WEST HARTFORD CT
=====
KCC 284 33.90
WILLAMANTIC AREA FIRE ASS
WILLAMANTIC CT
=====
KCC 284 33.78
WILLAMANTIC FIRE ASSOC
WILLAMANTIC CT
=====
KQW 555 33.64
WILLAMANTIC FIRE
WILLAMANTIC CT
=====
KCA 768 39.94
WILLAMANTIC POLICE
WILLAMANTIC CT
=====
KCD 473 32.70
WOLCOTT FIRE
WOLCOTT CT
=====

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Marshall Cubitt reports Smith Falls, ON

Quebec 2 Meter Repeaters

```

147.06
MONTREAL
+++++
VE2 CRA
448.30
HULL
+++++
VE2 CRA
146.94
HULL
+++++
VE2 C50
146.70
HULL
+++++
VE2 KPG
147.36
HULL
+++++
VE2 MCR
147.12
MONTREAL
+++++
VE2 MS
146.85
MONTREAL
+++++
VE2 REI
147.335
MONTREAL
+++++
VE2 RM
147.00
MONTREAL
+++++

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NEW YORK 2 Meter Repeaters

```

W42 ERP
146.64
+++++
147.00
AUBURN NY
+++++
W2 JRR
147.255
BATAVIA NY
+++++
147.015
FULTON NY
+++++
145.33
FULTON NY
+++++
147.04
POTSDAM NY
+++++
N2 MD
146.91
RUSSELL NY
+++++
146.91
SYRACUSE NY
+++++
UB2 ZTY
147.33
TUPPERLAKE NY
+++++
146.71
WATERLOO NY
+++++
W2 WLR
147.225
WATERLOO NY
+++++

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NORTHERN FM-DX

Saul Chernos
79 Ridge Drive
Toronto Ontario
Canada M4T1B6

160.80
AMTRACK COMMUNICATIONS
NEW LONDON CT
=====

45.38
AVON POLICE
AVON CT
=====

USU 646 33.92
CENTER GROTON FIRE DIST
GROTON CT
=====

KSD 575 33.62
CHESHIRE FIRE
CHESHIRE CT
=====

KGC 263 33.90
COLCHESTER EMERG COMM
COLCHESTER CT
=====

KGC 263 46.18
COLCHESTER FIRE
COLCHESTER CT
=====

KTS 485 154.86
CONNECTICUT STATE POLICE
SOMERS CT
=====

42.38
CONNECTICUT STATE POLICE
=====

42.04
CONNECTICUT STATE POLICE
=====

42.36
CONNECTICUT STATE POLICE
=====

KCB 794 46.18
DANBURY FIRE
DANBURY CT
=====

KNCY 616 154.845
DANIELSON POLICE
DANIELSON CT
=====

KNCW 541 33.96
EAST LYME FIRE
EAST LYME CT
=====

KDA 658 154.19
FOSTER FIRE
FOSTER RI
=====

UOL 690 33.92
GROTON FIRE
GROTON CT
=====

KCH 235 155.07
GROTON POLICE
GROTON CT
=====

KCC 810 39.14
GROTON POLICE
GROTON CT
=====

154.085
GROTON PUBLIC WORKS
GROTON CT
=====

KCY 594 46.06
GUILFORD FIRE
GUILFORD CT
=====

155.535
JOHNSTON POLICE
JOHNSTON RI
=====

463.10
LEDYARD AMBULANCE
?
=====

KCE 721 33.70
LITCHFIELD FIRE
LITCHFIELD CT
=====

KDH 534 151.74
MC CARTHY OIL COMPANY
MONTVILLE CT
=====

KOL 885 33.96
MONTVILLE FIRE
MONTVILLE CT
=====

KCE 361 173.225
NEW LONDON DAILY NEWS
NEW LONDON CT
=====

KCA 276 33.94
NEW LONDON FIRE
NEW LONDON CT
=====

KKC 961 453.80
NEW LONDON HOUS AUTHORITY
NEW LONDON CT
=====

KCA 554 37.26
NEW LONDON POLICE
NEW LONDON CT
=====

KNCM 554 155.22
NORTH KINGSTON AMBULANCE
NORTH KINGSTON RI
=====

KJT 798 47.66
NORTH STONINGTON FIRE
NORTH STONINGTON CT
=====

KGY 225 33.92
NORTH STONINGTON VOL FD
NORTH STONINGTON CT
=====

KCB 979 33.66
NORWICH FIRE
NORWICH CT
=====

KCB 979 33.90
NORWICH FIRE
NORWICH CT
=====

KCB 979 33.74
NORWICH FIRE
NORWICH CT
=====

KCA 773 39.90
NORWICH POLICE
NORWICH CT
=====

KTZ 464 158.775
NORWICH PUBLIC UTILITIES
NORWICH CT
=====

37.94
NORWICH PUBLIC WORKS
NORWICH CT
=====

155.175
NORWICH SCHOOL BUSES
NORWICH CT
=====

155.16
NORWICH TAXI/PAGING
NORWICH CT
=====

462.95
NORWICH/NEW LONDON EMS
NEW LONDON CT
=====

462.95
NORWICH/NEW LONDON EMS
NORWICH CT
=====

KCB 791 46.18
OLD SAYBROOK FIRE
OLD SAYBROOK CT
=====

KUE 618 155.22
PROFESSIONAL AMBULANCE
MONTVILLE CT
=====

UGU 349 33.70
PROSPECT FIRE
PROSPECT CT
=====

33.90
KXU 431 33.90
QUIN VAL EMERG COMM
QUIN VAL CT
=====

KXU 431 33.80
QUINNEBAUG VAL EMERG COMM
QUINNEBAUG VALLEY CT
=====

KCB 260 154.875
SOUTH KINGSTON POLICE
SOUTH KINGSTON RI
=====

KYD 778 33.92
STONINGTON FIRE
STONINGTON CT
=====

KYD 777 33.92
STONINGTON FIRE
STONINGTON CT
=====

March 1985

Report your FM DX to this column if it is received from: AK CT HA IL IN IA ID ME MA MI MN MO MT NH NJ NY NE ND OH OR PA RI SD VT WA WI WY and CANADA and outside Canada-USA.

While many Easterners were basking in record high temperatures, Midwesterners were not fortunate enough to experience this Christmas Indian Summer. Burnt River just after Xmas featured steam fog blowing rapidly Northwards, the result of quickly melting snow and lake ice. Tropo more up than usual but not great; I hear others had it better. At least we'll save on furnace oil! I'd be curious to know IF things were happening on the warm-cold front line.

DANIEL E. OETTING - 2882 Old Cedar Grove Rd. - Broomall PA 19008

JUNE 1984

21 Es (lots of unIDs)
1920 KXCV 90.5 MO Maryville c
1930 KUMR 88.5 MO Rolla NPR
2004 Es off FM band
24 Tr
0347 WPKN 89.5 CT Bridgeport s-off
JULY 1984 3 MS
0750 WHHT 91.3 WI Highland w/"No matter where you are in WI this morning"
6 Tr (WXTU 92.5 off for nearly 2 days)
0400 WMJQ 92.5 NY Rochester r
0403 WINC 92.5 VA Winchester
6 MS
1337 KQRS 92.5 MN Golden Valley "That's tonight at...in StPaul"

11 Tr

1045 WSFL 106.5 NC New Bern rs
19 Tr
2040 WQWK 96.7 PA University Park r
22 Tr
0630 CJRT 91.1 ON Toronto c (strong)
26 Es
2151 KUSD 89.7 SD Vermillion
30 MS
0500 CBSMT 89.5 ON Sault SteMarie w/many bursts...a Canadian stn ment. Timmins ON & gave wx, all in OC & ment. Environment Canada. (Them for sure-saul)

AUGUST 1984

6 Tr (104.5 WSNi off)
0214 CHUM 104.5 ON Toronto r "Toronto's Ultimate Rock, Chum-FM"
6 Es
2010-2015 unIDs 94.9r, 90.5nx AR?

11 Tr

1150 WJJB 97.7 NY Hyde Park r
1503 WJCV 97.3 NY Ithaca c
1614 CIGL 97.1 ON Belleville b "Beautiful mx that makes your day, that of CIGL-FM"
1627 WABR 88.3 NY Syracuse
25 GW
0013 WQVR 98.3 NJ Ocean City r new-to-air
29 Tr (WQXA 105.7 off)
1049 CHRE 105.7 ON StCatharines b
1051 WRVL 88.3 VA Lynchburg g (strong)

COMMENTS:

Hello all. It's been awhile since my last report. I've been kept busy at work and at the college's radio stn, WDCR. I'm a DJ and NxDirector at this little 20-watt closed circuit 640KhzAM stn, (operates 0800-1800 Mon-Fri). 1984 a bad year here for Es. Only rec'd 3 new skip stns in the regular summer-spring season. The off-season opening actually produced more new stns, which shows exactly how bad the year was. Missed all the real good Tropo openings this year. 73's,Dan.

SEPT 1984

3 Tr (WKSZ 100.3 off)
2035 WFOR 100.5 NY Rochester m
2103 WOEZ 100.9 PA Milton b
OCT 1984
7 Tr
0915 WBUF 92.9 NY Buffalo r
2300 Good Tidewater reception
2325 WKHK 95.3 VA Petersburg k
2345 WMYX 93.7 NC Elizabeth City r
2358 WKJX 96.7 NC Elizabeth City k

8 Tr

0015 WRVQ 94.5 VA Richmond r
0738 WRCH 100.5 CT New Britain b
0745 WHGN 105.9 CT Hartford rp
11 Tr
1937 WQNY 103.7 NY Ithaca r "Q-104"

15 Tr

2230 WQKS 96.5 VA Williamsburg "Kiss" sm
2330 WKEZ 94.1 VA Yorktown k
17 Tr
1010 WRVL 88.3 VA Lynchburg g (strong)

20 Es OUT OF SEASON E-SKIP

1348 WVID 98.5 LA New Orleans s
1350 WRZB 97.1 LA New Orleans
1353 WBYU 95.7 LA New Orleans b
1356 WQUE 93.3 LA New Orleans r
1405 WCKW 92.3 LA LaPlace k
1407 WLUN 95.3 MS Lumberton k
1431 KSEJ 88.1 TX Humble g
1500-1956 Es off FM
1959 unID 88.5 "Safari"prgm
2005 Es off FM

NOVEMBER 1984

1 Tr
1000 WRKI 95.1 CT Brookfield rp

24 GW-Tr

0816 WEEB 89.5 NJ Cherry Hill b new stn
0828 WRGN 88.1 PA Sweet Valley g

DECEMBER 1984

1 Tr-AS
2104 CIGL 97.1 ON Belleville b

2141 WRBR 107.9 NY Syracuse k
11 Tr (nice duct)

2115 WHOM 94.9 NH MtWashington b
2211 WLOS 95.9 NY Liberty r

12 Tr

2100 WSUL 98.3 NY Monticello hockey



BOB SMOLAREK - Rd # 1 Box 63 - Whitehouse Station NJ 08889 Carver TX-11

SEPT 1984
 3 Tr
 1844 WUUU 102.5 NY Rome
 8 Tr
 2248 WVOR 100.5 NY Rochester (Solid Gold Sat. Night prgm)
 2250 WYRK 106.5 NY Buffalo k
 2254 CJQR 97.7 ON StCatharines k
 9 Tr (WYNY 97.1 NYC off)
 0030 WSHH 99.7 PA Pittsburgh (Nice 'n' Easy)
 0045 WHSW 94.5 PA Pittsburgh r (Dick Clark's Solid Gold prgm)
 0054 WPTT 92.9 PA Pbrg "ThePoint"
 0100 WASH 97.1 DC Washington r
 0101 WBGW 97.1 ME Bangor k
 0110 WRUT 97.1 VT Rutland r
 10 Tr
 2305 WPFW 89.3 DC Washington
 13 Tr
 2130 WPEL 96.5 PA Montrose g u/WNDB
 18 Tr
 1915 WHUS 91.7 CT Storrs
 1923 WJMJ 88.9 CT Hartford

ERNIE COOPER - 5 Anthony St. - Provincetown MA 02657

SEPT 1984
 23 Tr
 0204 WYFIT 99.7 VA Norfolk g, prgm called "Music Thru The Night"
 0251 WFLZ 99.3 VA Petersburg "Magic 99" r
 30 Tr-GW
 0228 WTBC 94.3 CT New Haven r PSAs
OCT 1984
 1 Tr-GW
 0216 WHAI 98.3 MA Greenfield k "Country Overnigh" prgm
 0230 WNOU 98.3 CT Willimantic "New 98" r Eddie Schaeffer Show
 24 Tr
 0135 WHYR 95.9 ME Saco (ex-WFIG(-saul)) "FM 96" still k
 30 Tr
 0200 WRUT 97.1 VT Rutland RKO r "The hits are here on WRUT"
NOV 1984
 2 Tr-GW
 0205 WNOU 98.3 CT Willimantic r&b mx
 4 GW
 0130 WKKZ 96.7 NH Rochester r lclads
 14 GW
 1330 WLYT 92.5 MA Haverhill m
 1400 WSNH 93.3 MA Taunton r
 2 Tr (Ernie, date an error-saul)
 0202 WLNH 98.3 NH Laconia r

*also noted a parasitic signal on about 100.6 & loud carrier on 106.9) (what's a parasitic signal? I'd suggest you watch 106.9 for a pirate if no stn should be there; beware, too of cable interference if that's the case-saul)
 want to see what the stn looks like, see the film when it's released. The calls & studio are the real thing, but the town name is fictional (Adams Port). Incidentally, WOMR rec'd CORRECT rep'ts from BOB SMOLAREK NJ and JOE FELA NJ...our furthest listeners so far. I've a 1984 Ford Escort Station Wagon w/ poor AM/FM radio (Ford DOES make dudsi-saul). While in FLORIDA, I rented a Chevrolet with a tremendous FM radio, and I wonder if a GM FM Stereo can be installed in a Ford Escort, and if it can be removed when trade-in time comes? Or does anybody have another idea for a high calibre car FM Stereo system? --30-- , ernie (After 4 years of Journalism school, I'm sick of --30-- s...so just 73, heh!!!!-saul)more,

OCTOBER 1984
 16 Tr
 2215 WSFL 106.5 NC New Bern
 2300 WOEL 89.9 MD Elkton o/WKCR
 2335 WIOC 94.3 NJ Avalon
 2340 WWTR 95.9 DE Bethany Bch "96Rock"
 17 Tr
 2203 WNBR 100.7 NJ Wildwood
 2210 WNOR 98.7 VA Norfolk r o/WRKS
 2325 WNSY 97.3 VA Newport News
 29 Tr (WAWZ off)
 0200 WAAL 99.1 NY Binghamton
 0202 WSPM 99.3 PA Harrisburg
 1905 WDRC 102.9 CT Hartford
 2300 WCCC 106.9 CT Hartford o/WKDN-rare
 31 Tr
 2315 WXLV 90.3 PA Schnecksville
NOVEMBER 1984
 8 Tr
 1803 WLFR 91.7 NJ Pomona new-to-air
 10 Tr
 2315 WOCQ 103.9 MD Berlin-OceanCity
 12 Tr (WSNI off-air)
 0100 WNVZ 104.5 VA Norfolk

Realistic STA 52, McIntosh MR78 FM tuner Finco 12-elem ant. w/rotor on rooftop.

(NOV) 27 Tr
 1521 WBGW 97.1 ME Bangor ads
 2040 WVRM 89.3 NJ Hazlet trivia Questions, chit-chat r (QSL sez 10 watts; best catch ever on FM Good signal fr over an hour. (CONGRATS, ERNIE!-saul)
 2140 WHTZ 100.3 NJ Newark r WTPDAer Paul Mount works here part-time Sundays, but no QSL yet (Try sending a few WOMR bumper stickers-saul)
 2155 WQWP 88.1 NY Brookville 100watts, talk
DECEMBER 1984
 8 Tr
 1351-1739 5 stns (4 new) in & out all aft:
 WAES 93.5 NY Remsen ads
 WRVW " NY Hudson m ads (Good work on
 WSCG " NY Corinth k ads 93.5, now
 CBM " PQ Montreal c EE for 93.7-
 WKVT " VT Brattleboro (relog) -saul)
 11 Tr
 1604 WEQX 102.7 VT Manchester r new-to-air
 13 Tr
 0057 WMDK 92.1 NH Peterborough r s-off 0100
 26 Tr
 1400 CBMB 91.7 PQ Sherbrooke CBC-EE c in & out next to WOMR w/ no slopover.

COMMENTS: WEQX 102.7 VT began operations Nov 14, and is all-night. The film Where Are the Children was shot partly here in Provincetown, and one scene features a boy rushing into a radio studio with an important antc to read over the air immediately. THE STUDIO IS THAT OF OUR WOMR (Ernie works there-saul), so if you want to see what the stn looks like, see the film when it's released. The calls & studio are the real thing, but the town name is fictional (Adams Port). Incidentally, WOMR rec'd CORRECT rep'ts from BOB SMOLAREK NJ and JOE FELA NJ...our furthest listeners so far. I've a 1984 Ford Escort Station Wagon w/ poor AM/FM radio (Ford DOES make dudsi-saul). While in FLORIDA, I rented a Chevrolet with a tremendous FM radio, and I wonder if a GM FM Stereo can be installed in a Ford Escort, and if it can be removed when trade-in time comes? Or does anybody have another idea for a high calibre car FM Stereo system? --30-- , ernie (After 4 years of Journalism school, I'm sick of --30-- s...so just 73, heh!!!!-saul)more,

OCTOBER 1984
 6 Tr
 2230 WSBH 95.3 NY Southampton 85
 2233 WADB 95.9 NJ PtPleasant 52
 2245 WJDB 96.5 PA Philadelphia 90
 2300 WWSK 96.5 VA Williamsburg 305
 2305 WEPG 96.9 NJ Atlantic City 115
 2320 WKHI 99.9 MD Ocean City 225
 2343 WESR 103.3 VA Onley 265

7 Tr
 0015 WNVZ 104.5 VA Norfolk 300 (So ya tried
 0050 WOHQ 104.7 MD Ocean City 225 Grizzly Bexer,
 0055 WKPE 104.7 MA Orleans 210 eh? Now yer
 0058 WRDR 104.9 NJ Egg Harbor City 100 tuff enuf to
 0105 WWHB 107.1 NY Hampton Bays 80 come up here
 and drink with
 us Canajins, eh?-saul, eh?)
 73's, Al

MARSHALL CUBITT - 5 Strathcona St. - SMITHS FALLS ON K7A1V6

I am a new WTPDA member so I think you will want a Band scan for Eastern Ontario. This is my first band scan of FM as I'm mostly an AM DXer (290 AMs logged). (Welcome to the fold, Marshall; Although my address is Toronto, I'm living in Ottawa until the end of April, at least. Hopefully by time you read this I'll have been in touch. If not, call me at (613) 237-1763...until end April. Your bandscan is typical of what I normally get, with a little bit of Tropo. You should find DX to be best for FM in summer and fall, though it can happen anytime, and a good direction for you might be West and Southwest, especially Buffalo, Toronto, and beyond. Also, the St.Lawrence might be a good path, but then again, DX can come from anywhere. (NOV 17 1984)

92.7 WLJF NY Gouverneur
 93.1 WPAC NY Ogdensburg (they're 92.7, WNTQ is 93.1 & in Syracuse-s.)
 93.9 CFMO ON Ottawa
 94.9 CKCH PQ Hull (CIMP-s.)
 95.3 FF (95.5 Belleville?-s)
 96.1 FF (I dunno-saul)
 96.3 CFMK ON Kingston
 96.7 WLSU NY Canton (good, they're going off soon; try /stn 89.5-saul)
 97.5 WNCQ NY Watertown
 98.3 CFYU ON Kingston

99.5 CJBC18 ON Kingston
 100.5 CBOB ON Brookville (100.3, & they must be now on the air-saul)
 101.1 CKUE ON Smiths Falls
 102.5 CBOF ON Ottawa
 103.3 CBC ON Ottawa
 105.3 CKBY ON Ottawa
 106.1 CHEZ ON Ottawa
 106.9 CKO-1 ON Ottawa
 107.5 CBCK ON Ottawa

(Marshall, for you and other newcomers to the hobby of TV-FM DXing....
 1) Bruce Elving's FM Atlas is a highly accurate list of Canadian & American FM stations (& Mexican)
 2) WTPDA puts out an equally good TV station guide. ...both will sort out unIDs, and suggest targets to aim at. I hope you'll report often, and I'd be curious as to image problems in S. Falls. -saul)

FRED NORDQUIST - 7945 Boxford Rd. - Clay NY 13041

EST Heathkit AJ15, Channel Master \$Probe 9 w/rotor at 35'A.G.L.

JULY 1984
 5 Es 1755-1828 to S. & SW.
 1800 WJWF 88.1 FL Pensacola j ID NPR 1070
 1821 KKAJ 95.7 OK Ardmore ID k 1275
NOVEMBER 1984 (What about Aug-Oct-saul!!)
 15 Au
 1801 WTCM 103.5 MI Traverse City ID lcl ad 475
DECEMBER 1984
 9 Es to S. no IDs 2115-2125.

COMMENTS: Only 13 new loggings this year, for a record low; which lowers my annual new-logging average down to 75.7/year over 16 years here in the Syracuse area. 73 and good DXing -- Fred.

BILL NOLLMAN - 8 Autumn Way - NORWICH CT 06360 (203) 726-0649 school, 889-7039 home

(Bill sent along a letter introducing himself; he's a new member. Welcome to the club, Bill. I'm passing it on to Mailbox due to it's length and nature. Bill collects radio bumper stickers as well, I might add, and says his location is exactly 1 1/2 miles East of WEDN-TV-53.)

NOVEMBER 1984
 21 Tr
 1846 WRKS 98.7 NY NYC "Kiss 98 FM" weak
 1847 WUSL 98.9 PA Philadelphia "Power 99 FM"
 1853 WHHU 88.7 CT W.Haven good & steady
 1902 WSNH 104.5 PA Philadelphia fair
 23 Tr
 1829 WUSL 98.9 PA Philadelphia "Key Song Contest" fair & fadey
 1842 WSPK 104.7 NY Poughkeepsie good
 1853 WYNY 97.1 NY NYC

1907 WFPG 96.9 NJ Atlantic City "S. NJ's place to relax...97 WFPG" good
 1958 WFCR 88.5 MA Amherst weak but steady
 2017 WBCG 88.3 NJ Newark "Latin Jazz Sunday"
 2232 WJBR 99.5 DE Wilmington "Stereo 100" & ID
 23 MS (I omitted unIDs that would be impossible to solve - saul) (Send these to CCI also)
 1833 104.5 unID "Paul Harvey" Synd. Commentary
 1856 WNSY 97.3 VA Newport News "Y-97"
 2030 WCFM 99.5 NY Schenectady ID

This during a short vacation home (I am a student at the University of Hartford (CT)...in a dorm...a rather sad place to DX(put your rcvr near a window, it'll be a lot happier, I speak from exact similar experience-saul). All rec'd w/ the CM Crossfire at SW 12 feet above

SOUTHERN · FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

FM STATISTICS

STATES STATS (CONTINUED)

MARCH 1985

CANADA				MEXICO			
PROV	#-DXER	#-DXER		STATE	#-DXER	#-DXER	
AB	19-JJe2	15-JP1	NS	8-SDh	6-DN1	ROU	1-JP1
BC	17-JJe2	7-JEe2	ON	7S-DN1	68-SDh	BCN	11-FDy
MB	15-FMc	18-WHe2	PE	2-JFe	1-SDe	QAM	1-JP1
NB	3-FMc	3-RSt2	PD	19-FMc	18-RSt2	QHI	6-JP1
NF	9-FNo	8-DN1	SK	8-FMc	7-WHe2	QDF	6-JP1

FOREIGN

COUNTRY	#-DXER	#-DXER
CUBA	2-MBu	1-KS1
BELIZE	1-JP1	1-PDy
BERMUDA	2-FNo	2-DN1
EL SALVADOR	1-PDy	2-NONE
GUADELUPE	5-PDy	1-KS1
HONDURAS	1-PDy	2-NONE
JAMAICA	3-JP1	1-FMc
Puerto Rico	1-DN1	1-JFe
NWT	1-WHe2	1-JEe2

KEY TO STATS DXER INITIALS/NAME-LOCATION

AM:	Arian Michalek	MA Springfield	UJ63	John Jefferson	AK Anchorage
BE12	Bruce Eiving	MA Duluth	JP1	Jim Pizzi	NM Lovington
DBr	Dave Bruffield	IN Muncie	UJ11	Jim Pizzi	CA Crest
DBu	Danny Buntin	OK Stillwater	DBE	Joseph Smith	NY Johnson City
DN1	David Newman	NY Akron	K61	Ken Sloan	CA Lake Worth
DD	David DeBell	PR Little Rock	AL	Mike Bigaj	CT Enfield
DE	Daniel Getting	PA Broccoli	PDy	Pat Dyer	TX San Antonio
FMc	Fred McDonnack	ND Des Lacs	NSA	Rock Sanford	TX Burnett
FMc2	Fred McDonnack	ND Fargo	NSC	Bob Schweitzer	NJ S.Brunswick
FMc	Frank Merrill	OH Toledo	RS1	Ralph Strobel	IN Muncie
FMc2	Frank Merrill	MI Ypsil	RS2	R. Steinberger	MA Hudson
FNo	Fred Nordquist	NY Clay	SD1	Savi Chernos	CA Burnt River
JPy	Jim Ayers	TN Murfreesboro	Swe	Steve West	PA Havertown
JB	John Ebeling	IN Bloomington	TMc	Tim McVay	TX Bolivar
JEe2	John Ebeling	MA Prossit	VSA	Vernon Sator	AR Benton
JFe	Joseph Fala	NJ S.Plainfield	WHe2	W. Hebburn	VT Dorset Harbor
JEe	John Jefferson	CA Pleasanton			

And here are David Nieman's "Personal Best"

- Es 95.7-MEJZ ID Twin Falls (1824)
 - 95.7-WFD PR Rio Piedras (1855)
 - Tr 98.7-WVND NE Omaha (982)
 - MS 95.7-NKJZ OK Ardmore (1177)
 - Au 94.1-NKDN KS Kansas City (881)
- These logged from Akron NY.

Here are some "Personal Best" records from Jim Pizzi:

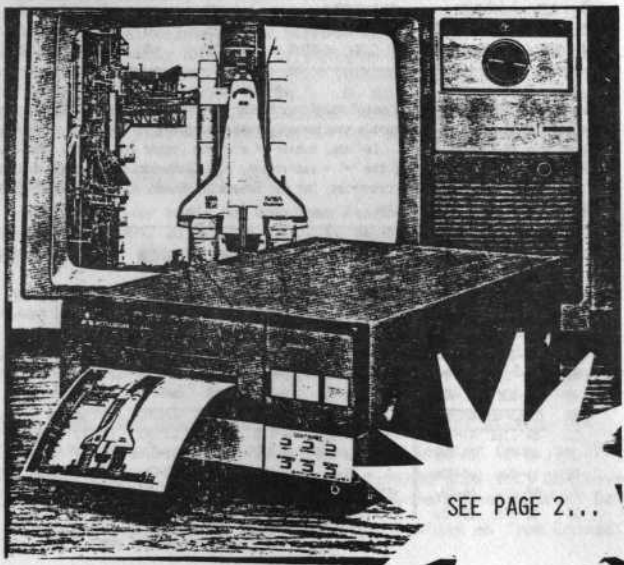
- Es 98.5 - Radio Jamaica - Spur Tree, Jamaica - 1958 mi.
 - Es 91.1 - JBC-2 - Cooper's Hill, Jam - 1958 mi.
 - Es 91.5 - RJR - Orcaebessa, Jamaica - 1958 mi.
 - Tr 186.7 - WPK - Enterprise, AL - 1838 mi.
 - MS 98.5 - WKPT - Kingsport, TN - 1287 mi.
- These were logged from Lovington NM.

I see that many of you are computerizing your DXing records, and using word processing in lieu of the 'old typewriter'. Let's hope that the prices continue to go down on computers/peripherals so that more of you can take advantage of this modern convenience!

Please send in your updates and "Personal Best" records you can brag about.....73, Fred.

Instant Hard Copy From TV, VCR, Or CRT!

The Mitsubishi Video Printer lets you produce a clear, legible copy of any image on a screen in less than 20 seconds—and it does it with one button convenience. It produces a 3 1/4" x 5 1/4" copy in 16 discrete tones ranging from black to white with an image resolution of 280x234 dots, and has a contrast adjustment that lets you add brightness to a dark image, or darkness to a light image. It's faster, more convenient, and much cheaper than photographs, and the compact 8 1/2" x 14" x 4 1/2" case fits on a bookshelf with ease. It uses a special thermal paper that produces over 200 prints per roll. You'll appreciate the remote control with a 16 ft. cord that lets you print without getting out of your chair, and the front panel control that lets you make multiple copies of an image without any loss in quality. It lets you select a positive (black on white) or negative (white on black) image at the touch of a button for optimum readability. RCA jacks on the back make it easy to hook up to your TV, VCR, or CRT terminal, and the finished image has a quality that is just a bit better than a photocopy from a copier. It's a great idea for your home or office. Operates on 110/120 VAC.



SEE PAGE 2...

MARCH 1985

For FM DX reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Happy DXing!

DEADLINE: 10th

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

(cont. from last month)		12/12 Es	12/14 Es
1554	XHYS 102.9 VER Ver, \$, ads, r	1032	1639 WAMO 105.9 PA Pittsburg, ads "FM-106"
1555	XHFR 101.3 VER Ver		1641 WCGO 106.3 PA Blairsville, calls 1409
1556	XHPB 99.7 VER Ver, ads, "Groupo FM"		1642 WJMJ 106.3 OH New Lexington, ads, M-106
1557	XHPS 93.3 VER Ver, ads, \$, L, n		1644 @??X 106.3 OH London, tent. "Miricle 106" could be WJMJ as W--X & WJMJ were under/over each other, ment. in ad town called "Erlington" spelling?
1648	X 98.5 ? Hidalgo, \$, n, ads		1648 WCHO 105.5 OH Washington, calls, k 1184
1649	XHPT 92.1 VER Cordoba, ads	1032	1650 WDSY 107.9 PA Pittsburg, calls@1651
1657	XHRC 91.7 PUE Puebla, estereo amistad		1653 WNRJ 107.1 OH Circleville, ads 1215
1658	XHVC 90.9 PUE Puebla	960	1655 WANJ 107.5 WV Wheeling, calls 1328
1702	XHZM 92.5 PUE Puebla, ID, ads		1656 unID 107.5 n. east, "Hit rock 107"
1720	XEBS 89.7 DF , estereo mil	960	1657 WFML 106.5 IN Washington, ads 1067
1722	X??? 88.5 Mexico (PUE, JAL area?), L, mono "enca-ver-na"? @1800		1659 WSLM 98.9 IN Salem, ID 1015
1723	XHNP 89.3 PUE Pue, L, "Tropicalada"		1701 WGLT 100.3 OH Newark, wx, "T-100" 1247
1724	XHRS 90.1 PUE Pue, r, ad "Vittorio's Pizza"	985	1707 WEEC 100.7 OH Springfield, g 1170
1726	XHRF 88.1 DF		1708 WOXY 97.7 OH Oxford, ID 1134
1730	XHNQ 99.3 GRO Acapulco, ads, L, \$		1708 WKWK 97.3 WV Wheeling, ads 1328
1734	XHME 89.5 JAL Puerto Vallarth, tent.		1711 WHYW 96.9 PA Braddock, "Y-97" 1383
1803	XHRJ 92.5 MEX Toluca, ads	960	1712 WNCI 97.9 OH Columbus, calls 1215
12/13 Es			1712 WLHN 97.9 IN Anderson, ad ment. town
1742	XHFS 93.3 VER Veracruz, tent. L		1714 WREO 97.1 OH Ashtabula, ads, ID 1350
1743	XHRN 96.5 VER " , ads, L		1718 WMBW
1812	XHYS 102.9 VER " , ads		1734 WVFJ 93.3 GA Manchester, calls + 1085 "Victory 93" @1736
1814	X??? 103.7 VER Jalapa, \$		1737 unID 100.1 east, "Columbia Poultry"
12/14 Es			1738 WAYS 99.1 GA Macon, "99 Ways", cl 1148
1004	unID 89.3 n. east		1740 WHCG 104.9 GA Metter, "The Jewel", 1215 ads
1631	WYSU 88.5 OH Youngstown, YSU nx, calls		1756 WRMW 89.3 GA Atlanta, tent. Arabic nx
1634	WYWW 106.7 MI Detroit, "W-4 country"		1800 WLRH 89.3 AL Huntsville, ID 968
1637	WYDD 104.7 PA Pittsburg, "YDD"	1373	WVNO 106.1 OH Mansfield, ID 1247
1638	WJZZ 105.9 MI Detroit, ads	1260	

Another great report period from this QTH. The first half of Dec. (see last month) proved again to be productive in Es. 12-2 was intense for two hours into old Mexico and Fla. At the same time 12-12 and 12-13 had old Mexico in again with good strong signals mostly on the east coast. 12-14 was a nice opening to wester PA, OH, s.e. MI, IN and talled off into GA & AL. If we can't get Es in the summer then we'll take it in the snow! Hope most everyone caught most of this one. Until next time 73s.

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

Guess it's time to bring my FM DX report up to date. I finally bought a Compaq Plus PC last fall, and maybe it'll help keep reports timely by taking the pain out of the typing. (Don't actually mind typing - it's correcting the typos!) The new year is off to a promising start with an MS logging and a rather spectacular tropics catch. As always, the MR 80 was the tuner, fed by the S/Probe-9 at 55' off the ground. Underlined are new; @ indicates a logging from Concord, my old site 15 miles from here. Was up there looking for a classical recording & just happened to take the Sony ICF-2001 along. (The KXFR logging was possible due to their recent frequency change. Was listening to them with the Met before leaving home, so positively was their signal though they had no ID while I was in Concord.)

9/3-84 MS		12/2 tr	250
0705 KRSP	103.5 UT Salt Lake City, ID	560	0100 KTPI 103.1 CA Tehachapi, ID, wx, usable!
9/17 MS		12/10 MS	
1035 KWHT	103.5 CR Pendleton, loc. ref.	565	0200 KRPM 106.1 WA Tacoma, calls 675
10/13 tr		12/7 tr	
0100 KHSU	90.5 CA Arcata, ID, tests	240	2359 K276BW? 103.1 CA North Fork, KEAR ID
10/30 gw		12/11 tr	130
0025 KNTO	95.9 CA Livingston, ID, 1st day	65	2237 K276BW 103.1 CA North Fork, KAAT ID
11/19 tr		1/1-85 gw	
0125 KNPI	99.5 CA Lakeport, ID, tests	115	2315 KEFR 89.9 CA Le Grand, ID 95
11/23 tr		1/5 gw	
2032 KSRQ	97.1 CA Visalia, ID, new	175	1300 KXPR@ 90.9 CA Sacramento, Met opera 50

cont.

1/5-85 gw
 1303 KLCK@103.7 CA Concord, KLCK ID 2 1/8 MS
 1307 KITS@105.3 CA Concord, K-hits unID 2 0300 KTTI 95.1 AZ Yuma, calls 545
 1/19 tr
 1730 K213AE 90.5 CA McCloud, KSCR ID 250

The K213AE logging may rank as my #2 tropo catch behind KZEL 96.1 Eugene. The signal was quite readable frequently over an 8 hour period, during which I heard 4 legal ID's for KSCR (1730, 1800, 2400 & 0100 on 1/20). They have 4 xlators on 90.5, but the two on the Oregon coast were obviously the wrong direction. Both McCloud & Klamath Falls, OR were plausible, but the latter was more distant & no sign of KAGO 99.5 Klamath Falls. Called KSCR & confirmed that K213AE is on. Turns out it's at 8000' AMSL (near Mt. Shasta) with about 95 watts ERP aimed this way. It's regularly usable up to 35 miles from the xmitter. So it's definitely the one.

Not far behind for impressiveness, though not a new logging, was KTPI on 12/2. They were usable in mono for a couple hours, with just a slight crackle due to the MR 80 clipping their sideband in its super-narrow mode. Even broke into stereo mode a couple times, though there was no separation worth mentioning. Incredible tropo signal for a class A station at 250 miles!

Regarding K276BW on 12/7-84, it is a KAAT 107.1 Oakhurst xlator, but after KAAT signs off at 11pm it tends to trigger on either on KEAR 106.9 San Francisco or KEAR's Mt. Oso xlator, K296CD. Have heard it several times by now, with both KAAT and KEAR programming.

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

1/6 ex. gw
 2200 K228BS 93.5 OK Enid 55 | 1/10 tr
 1000 KABF 88.3 AR Little Rock, ID 290

I first heard the new KCFO Enid translator on my car FM while visiting in Enid. I was quite impressed with its very clear, interference free sound while driving around (better than that of the Stillwater KCFO translator which is a bit plagued with alternate channel interference from a strong Okla. City station.) So I figured it not to far-fetched to log the Enid translator after arrival back home that night and did.

#####

Worldwide TV-FM DX Association

PHOTO-NEWS

David J. Nieman
 12284 Nice Road
 Akron, NY 14001
 U.S.A.

March 1985

The bottom two photos are from, Bill Eckberg-Dixon, IL (WE) and John Combs Orlando, FL (JC).....

WHBQ-TV
 Memphis, TN

13

WHBQ-13 Memphis, TN 451 mile tropo from Sept. 20, 1984 (WE)



WKPT-40 Fayetteville, NC 468 mile tropo from July 5, 1984 (JC)

Dave



Technical Topix

PART 2. Subsidiary Communications Authorization (SCA)

It occurred to me that some of the fine points of PLL theory were overlooked, so here I will make a few assorted comments and then continue with the homebrew SCA decoder first described last month.

Here, sports fans, is in somewhat more detail how a PLL works. A voltage controlled oscillator (VCO) generates a signal whose frequency depends on the voltage applied to its input. In Fig. 1, the VCO delivers a signal at a certain idling frequency, f , the free-running freq. of the VCO. When some input signal enters the system at "A", its freq. and phase are compared to that of the VCO signal and the difference is represented by an error voltage, V . The error is passed through a low-pass filter and applied back to the input of the VCO. The VCO frequency then changes to attempt to match the input signal--a loop action which enables the PLL to seek and then lock on to an incoming signal.

The free-running freq. of the VCO is set on the LM565 by a voltage applied to pin 8. Lock range is the range of frequencies in which the PLL can remain locked onto the input. The range of frequencies one can apply to the input of the PLL and find the system responding (that is, attempting to seek and lock on) is not infinite, but limited to those frequencies within the capture range. And since the PLL only responds to signals within the capture range, it can be said to exhibit some degree of selectivity. This makes it an ideal block for radio detectors...and demodulation, signal conditioning, frequency synthesis, data synchronization, precise motor speed control, etc.

Having said that, we now go back to construction notes. The printed circuit pattern is shown in Fig. 3. The board is 2 3/4 x 3 5/8 in. The parts layout is given in Fig. 4. PCB construction of the complete decoder is highly recommended to prevent unwanted oscillations.

Concerning the 531 op amp...The application here calls for a high slew rate amplifier stage. 741's or simple one-transistor stages do not work. For instance, a 741 has a slew rate of about 0.5V/us, while the 531's is 35. The LF353 (TL084) with its slew rate of 13 V/us might give good results, but I haven't actually tried that particular chip. (It is sold at Radio Shack as #276-1715) Since the 353 is a dual amp, either two stages with gain of 50 each can be cascaded (preferred method) or one gain 100 stage can be wired up. The 353 is compensated. An LF356 might also be made to work here.

Installing the SCA decoder into an FM radio, logically enough, requires connection to the proper point: between the detector and the de-emphasis network in said radio. (See Fig 5) Just about all FM receivers from K-Mart portables to McIntoshes have this circuit or some similar, recognizable variation. Since it is impossible to cover every little circuit possibility, feel free to poke around in this area. Be sure the decoder is powered and connected to an audio amp, the tuner is set to an FM station known to have active SCA, that all units share a common ground, and that reasonable care is used--there is no need to poke in the audio amp or power supply! Touching just about any point in Fig. 5 will give SCA, but only one or two points seem to yield clean, undistorted sound. In some digital tuners, the AC input impedance of the decoder may trip the tuner from stereo to mono; usually just moving the SCA connection to the other end of that resistor you're already connected to will correct this. Once the SCA connection point is found, the rest is basically mechanical, and thus all up to you.

I think of convenience and packaging almost as much as the rest of the project, so my tuner installation has a "SCA" switch on the front panel with everything else hidden neatly inside. The SCA switch is wired as in Fig. 6 so that when listening to the radio a flip of the switch will replace the audio of the FM station with the audio (if any) of the SCA.

Eastern TV-DX

Michael P. Hollis; 102 Star St., Enterprise AL 36330 CDT-CST

Sept. 1984	Nov. 1984	Dec. 1984	March 1985
1 Tr 0742 WLAE-32 LA 270	12 Tr 0705 WPTY-24 TN 370	8 Tr 0600 KTVV-36 TX 730	
New Orleans	0720 KSPH-33 MO 600	KXTX-20 TX 590	
22 Tr 0730 WNEH-38 SC 300	Springfield	0630 KRIV-26 TX "	
Greenwood	0740 KDLI-30 MO 580	14 Tr ? WJKA-26 NC 520	
	0805 KESI-23 MO 470	Wilmington	
Oct. 1984	Cape Girardeau	Es 1820 KFDX-3 TX 820	
14 Tr 0630 W36AC MS 280	0811 KOZK-21 MO 600	Wichita Falls	
2130 W49AI FL 350	Springfield	1830 KMID-2 TX 960	
27 Tr 0900 WDBB-17 AL 180	13 Tr 0552 WAXA-40 SC 280	KENW-3 NM 1050	
Tuscaloosa	Anderson	1900 KDLH-3 MN 1150	
		15 Tr 0545 WFFS-33 FL 530	
		Miami	
Nov. 1984			
12 Tr 0700 KLRT-16 AR 450			

This is my last report from Enterprise as I am moving to Worms, West Germany for a three year assignment. As I close out my DX log here, my total reads 384, just snort of my 400 stations goal. During this last year, my long hours at work caused me to miss out on several good tropo openings which I am sure would have netted me my 400+ stations. So, no matter how good your DX skills or equipment are, if you can't be at the dials often enough, you can't have a productive year. I have mixed emotions knowing I will miss out on a lot of DX for the next three years, especially on UHF with all the new stations on the air. I am taking all my gear to West Germany in hopes I can do some international TV-DXing. Good luck to everyone in '85.

Bill Townshend; 4500 Conn. Ave. NW #901, Washington DC 20008 EST

Jan. 1985	Jan. 1985	Jan. 1985
14 Tr 0742 WHRO-15 VA	14 Tr 0745 WRLE-35 VA	14 Tr 0748 WMDT-47 MD
0744 WGIV-29 VA	0747 WYAH-27 VA	

Here is some rare mid-winter tropo. Two weeks before the above (12/29/84 to be exact) it was 77° here in DC with dinner outside at a sidewalk cafe in shorts and T-shirts but it's a case of "enjoy it now and pay later" (and I do mean pay). For now it's an old time hard winter here in "Silicon Valley East". At least a taste thereof. I saw -6° on 1/21/85, 22½ days after 77°. The wx very unusual for normally mild DC was enough to scrub the Innagural Parade. No tropo during -6° but some short trop on morning of 77°. With the severe cold, can Spring be far behind? (you better believe it. :)).

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