



DX News

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"Considering all that I've learned and all the enjoyment that NRC membership has given me in the past year, I can't afford not renewing!"

(Blake Lawrence, Co.)

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MANY NEW NRC MEMBERS THIS WEEK!

- *Lawrence Boyd, Gloucester Point, Va.
- *Gary Jackson, Sacramento, Ca.
- *Andrew Robins, Kalamazoo, Mi.
- *Michael Collins, Stratford, Conn.
- *Glenn Combs, Abilene, Texas
- *John Baldwin, Toledo, Ohio
- *J.W. Batson, Santa Monica, Ca.
- *James Cipolla, Portland, Ore.
- *Ronald Meeden, Groveland, Mass.
- *Richard Allen, Stillwater, Ok.
- *John Denton, Lawrenceburg, Va.
- *Ralph Beling, San Diego, Ca.



Welcome to the NRC, gentlemen, we hope to be reading of your DX accomplishments often here in DX NEWS. A kit of introductory material has been mailed out to you and should be reaching you shortly..

MEMBERSHIP RENEWALS...

Fela... Stillwell... Lehr... Pimper... Jeffrey... White...
Birlingmair... Eggert... Morss... Clements... Sundstrom...
Phillips... Reynolds... Lawrence... Osterman... Lyon...
Richardson... Jozwiak... Eastman... Higgs... Waldron...

International DXer of the Year: PAGE TAYLOR
 Domestic DXer of the Year: PAUL HART
 CPCer of the Year: DAVE SCHMIDT

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These members have been selected by the Editors and Committee Chairmen for outstanding contributions during the past year. The recipients will receive engraved award plaques in recognition of their efforts on behalf of the NRC!

RANDOMNESS FROM HQ...

*The conclusion of the Aurora article is held over until next issue due to space limitations; sorry... HQ apologizes to all of our Winnipeg members for moving them to Ontario last week; due to the large number of complaints from Ontario members we will move Winnipeg back to Manitoba effective immediately... Congratulations to NRC'er Don Erickson for winning the ANARC MAN OF THE YEAR AWARD... Best wishes to BPC worker Hank Slade who's currently in the hospital recovering from a back operation... Response to the Incredible Pattern Book project is very favorable; if you wish to reserve a copy PLEASE LET US KNOW... A few NRC Domestic and Latin American Logs are still available from HQ; see the back page for prices... "DXTRAS", the new question and answer column by Eric DiRicco and Blake Lawrence will debut next issue... Each issue we run off a new updated membership address list as part of our computerized label making operation; they're too long and change too frequently to run in DX NEWS but we'll send a copy of the latest 20 page listing to any member who wants one; please enclose a dollar for Xerox'ing and postage... IMPORTANT NOTICE TO EDITORS: please turn your makeup sheets over and use the backs; nonrepro blue is showing up again; you will be receiving new makeup sheets shortly... COMING SOON IN DX NEWS: The latest up-to-the-minute EBU European station list for the upcoming TA season; a major article on DX'ing the Pacific stations by Jay Murley; and much more... Once again the NRC will be preparing the North American station list for the upcoming World Radio Handbook; Russ Edmunds has volunteered to handle this task in addition to all of his other jobs for the NRC; the payment for this article goes to the NRC Treasury to help fight inflation... The Grapevine says that a regular DX'ing comic strip will soon begin in DX NEWS... We hope to be reprinting part of a very interesting article on Auroral and Geomagnetic research from SDXK, the large Finnish DX Club; not only do their observations confirm our findings based upon reception from North America, but they have totally unwittingly discovered the Midwinter Anomaly..! All of the indicators suggest that the sunspot cycle is finally falling off and that the upcoming DX season should be much better than the past few; this makes the upcoming VOA Okinawa-1178 test even more important; we'll try and have it scheduled for a date most favorable for North American reception, based on the latest auroral measurements from the satellite net... If you're interested in MECHANICAL FILTERS or are waiting for the next shipment, contact Tom Holmes for the latest information...

GPN - RK -CDP

TECHNICAL

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 MK 9/11

CF Clarence Freeman
 CO Cesar Objio
 CR Chuck Rossier
 CS Carter Scholz
 DG Dave Gleason
 DK Don Kenney
 DP Dan Phillips
 GH Glenn Hauser
 GPN Gordon Nelson
 HH Harry Helms
 HQ Headquarters Staff
 JF Joe Fela

JKC Jerry Conrad
 JM Jay Murley
 JMRN Jose M. Rangel N.
 JS Jerry Starr
 JT Jan Turner
 KB Ken Brownless
 MK Mark Katz
 PH Paul Hart
 PLS Phil Sullivan
 PT Page Taylor
 RFS Ron Schatz
 RJE Russ Edmunds

-Mark Katz

LATIN AMERICAN RULERS - Cesar Objio

General knowledge about the Latin American situation is always helpful to medium wave listeners. Many are the times when an unidentified Spanish speaking station is heard and no hint is given about the identification. Political situation is always hot news in the countries South of the border with their constant changing of leaders, revolutions, coup d'états, political murders and kidnapping, etc. A good help is to be up-to-date with the situation, at least by knowing who is the strong hand leading the country at the time. Newsreels programs are always presented by Latin American stations giving the latest happenings in the country, mentioning facts, information, data, and some time the name of the President comes up in relation to any event. Here is a list of the actual rulers (or persons holding the power) in the Latin American countries (as of August 1st., 1971).

Argentina: Lieutenant Colonel Alejandro Lanusse, President, assumed power on March 23, 1971, after Roberto Marcelo Levingston was ousted by the Army, also appointed by the Army leaders on June 13, 1970. President is elected for a 6 years period. No reelection.

Bolivia: General Juan José Torres, President, assumed power on October 7, 1970, when leftist General Alfredo Ovando Candia was forced to resign by rightist General Rogelio Miranda, this one in turn abandoned the presidential palace when bombed by contrary forces. Presidents are elected for a 4 years period and may be reelected. (It is doubtful new elections are held again in this country due to the extreme left government in power right now.)

Brasil: General Emilio Garrastazu Medici, became President on October 30, 1969, when President Arthur da Costa e Silva, an Army marshall, elected by the Congress in 1966, suffered a stroke and died. Garrastazu Medici was confirmed by the Congress. Presidents are elected for a 5 years period. No reelection.

Chile: Salvador Allende Gossens, President, assumed power on November 4, 1970, after ending in first place over Jorge Alessandri in the elections held on September 4, 1970, was later confirmed by the Congress, as he did not get the required over 50% of the votes. President period lasts 6 years. Can be reelected but not on a successive period.

Colombia: Misael Pastrana Borrero, President, assumed power on July 15, 1970, after winning elections held on April 19, 1970, over former dictator Gustavo Rojas Pinilla, ending in second place. Succeeded Carlos Lleras Restrepo. Presidency is held for a 4 years term. Reelection is not permitted on a successive period.

Costa Rica: José Figueres Ferrer, President, assumed power on February 1, 1970, through elections. Succeeded José Joaquín Trejos. Presidential term is 4 years. Can be reelected but not on a successive period.

Cuba: Fidel Castro Ruz, Prime Minister, assumed power on January 1st, 1959, after Fulgencio Batista was ousted, ending a fight which lasted several years. No elections are held in the country.

Dominican Republic: Joaquín Balaguer Ricardo, President, assumed power on July 1st, 1966, after winning elections over Juan Bosch, first on the list of defeated candidates. Succeeded Héctor García Godoy, Provisional President after the civil war. Elected for a second period on May 16, 1970. Presidential period is 4 years. Re-election permitted.

Ecuador: José María Velasco Ibarra, President, assumed power on June 3, 1968, through elections. Succeeded Otto Arosemena Gómez. Period: 4 years. No reelection.

El Salvador: Colonel Fidel Sánchez Hernández, President, assumed power on July 1st, 1967, through elections. Succeeded Julio A. Rivera. 5 year period. No reelection.

Guatemala: Colonel Carlos Arana Osorio, President, assumed power on July 1st, 1970, through elections. Succeeded Julio César Montenegro. 4 year period. No reelection.

Haiti: Jean-Claude Duvalier, President for life, assumed power on April 22, 1971, after François Duvalier died, who won elections on 1957. No elections are held in the country.

Honduras: Ramón E. Cruz, President, through elections held on March 28, 1971, assumed power on June 6. Succeeded Osvaldo López Arellano, who had overthrown President Ramón Villeda Morales on October 3, 1963, elected on November 15, 1957. Presidential period is 6 years. No reelection.

México: Luis Echeverría Álvarez, President, assumed power on July 5, 1970, through elections. Succeeded Gustavo Díaz Ordaz. 6 years period. No reelection thereafter.

Nicaragua: Anastasio Somoza Debayle, President, assumed power on February 6, 1967, through elections. Succeeded Lorenzo Guerrero. 5 years period. President may not succeed himself.

Panamá: General Omar Torrijos, assumed power on December 1969. Succeeded Dr. Arnulfo Arias who won elections held on May 12, 1968, inaugurated on October 1st, was ousted on October 11 by a military junta. Junta President is Demetrio Lakas, but power is held by Torrijos. Presidential period is 4 years and there is no reelection until 8 years have elapsed.

Paraguay: General Alfredo Stroessner, President, assumed power on August 15, 1954, by a coup d'état. Have been reelected 3 times. Former President was Tomás Romero Pereira. Presidential period is 5 years.

Perú: General Juan Velasco Alvarado, President, assumed power on October 3, 1968, when President Fernando Belaúnde Terry was ousted. Presidential period is 6 years. No reelection. (It is doubtful new elections are held again in this country due to the extreme left government in power right now.)

Uruguay: Jorge Pacheco Areco, President, assumed power on December 6, 1971. Succeeded Oscar Gestido. Presidential period is 5 years. No reelection.

Venezuela: Dr. Rafael Caldera, President, assumed power on March 11 1969. Succeeded Raúl Leoni. Presidential period is 5 years. No reelection.

2 PIRATE RADIOS SEIZED IN YONKERS

Youths Plan Test Case of Right to Broadcast

By LINDA GREENHOUSE
Federal marshals yesterday dismantled two pirate radio stations in Yonkers and arrested the owners, two young men who say they plan to make a test case of "our Constitutional right to broadcast."

The broadcasters, Joseph Paul Ferraro, 23 years old, and Allan H. Weiner, 18, were later arraigned in Federal District Court here and charged with having violated the Federal Communications Act of 1934. That law makes it a crime to operate a radio station without a Government license. The two pleaded not guilty.

Mr. Weiner, who graduated in June from Lincoln High School in Yonkers, faces a year in jail and \$10,000 fine on each of three counts of violating the act. The Federal grand jury indictment contained two counts against Mr. Ferraro.

Channels Not Utilized

Using second-hand equipment, some of it Army surplus, the two young men had been broadcasting on four frequencies for a year and a half. They had found channels that had not been claimed by any commercial broadcasters, and said that they could be heard as far away as Montreal and Florida.

From Mr. Weiner's home at 345 Kneeland Avenue in Yonkers, the two broadcast WKMN-FM at 87.9 megacycles and WKOV-AM at 1530 kilocycles. A studio in Mr. Ferraro's home at 657 Warburton Avenue was the source for WSEX-FM and WFSR-AM at the same frequencies.

The AM and FM broadcasts were simultaneous, and the two used the stations on alternate days. Aided by about 50 friends, they kept the stations on the air from noon until 4 A.M.

They broadcast music and talk. In an interview after their arraignment yesterday, they said that anyone who had something to say was given free use of the broadcasting equipment. They accepted no advertising, although Mr. Weiner said many potential sponsors had made offers.

"We didn't do it for money or for politics," Mr. Weiner said. "Somebody's gotta show the Federal Communications Commission that their domination of the airwaves is just not logical. We knew for months that we would be arrested. There was nothing we could do to stop it, but we had a right to broadcast, and we did."

Warned Three Times

Mr. Weiner and his co-defendant had spent much of the day in the cell block at the Federal courthouse, after the Federal marshals had awakened them with search warrants at 8 A.M.

The two said they had been warned three times since January by the F.C.C. to stop broadcasting, and had ceased for short periods. About a year ago, they said, they had gone to the New York F.C.C. office to apply for a license, but they said they had been "laughed at" by an employee there and had left.

Their equipment cost about \$3,000. They said their operating expenses were very low, and were supported by donations from friends.

They were released in their own recognizance by Federal Judge Charles H. Tamm. A trial date has not been set.

(In a talk with cops of the NRC Ferraro revealed that the raiding party, headed by "Killer" Dave Poppein (of 1970 NRC Convention infame), hit at 8 AM and was armed with sawcutters and hacksaws. . . The allegedly highly dangerous master criminals (who'd been up until 4 AM with a late night show) were taken off to the Federal facilities in Foley Square in handcuffs and tossed into a cell until later released on personal recognizance. The case was widely covered in the media; both NYC channel 4 and 5 carried special programming according to Ferraro. WOR-AM was scheduled to feature a talk program about the case but later retracted the offer, citing their upcoming license review as the reason. . . GPN)

A THREAT...UNCERTAIN FUTURE... BIG CHANGES... NEW WOES...

Yes, friends, we face the future uncertain, now that Joan, our resident soothsayer, has made good her threat to leave. It will be a big change, no longer knowing if Wheeler will hear 4,000 stations by 1974. And it means new woes - Joan is taking the old ones with her. But enough of my spiritual problems - I do know that 40 DXers are listed below in Column #6. If you're not listed, send your HEARD, TAPE & VERIE totals to me, Bob Karchevski, PO Box 3351, Daly City, Calif. 94015. (Forsooth!-cdp)

DOMESTIC DX SUPREMACY RATINGS FOR 10 JULY 1971

YR STD	NAME AND GENERAL AREA	HEARD			TAPE			VERIES		
		TDH	SH	PH	TDT	ST	PT	TDV	SV	PV
40	MORSS, NEAR BOSTON	3377	50	10	18	14	0	3377	50	10
30	WHEELER, N.W.PENNA.	2536	50	9	0	0	0	1555	50	9
59	DRAKE, PHILADELPHIA, PA.	2149	50	10	-	-	-	2086	50	10
65	WHATMOUGH, NR.TORONTO	1564	49	10	0	0	0	833	49	10
?	PHILLIPS, LOUISVILLE, KY.	1461	48	4	4	4	0	557	44	3
?	STARR, NEAR CLEVELAND	1407	50	10	85	33	7	954	50	10
68	HOOPERHEIDE, UPPER MICH.	1317	50	8	0	0	0	0	0	0
60	RUGG, MONTREAL, QUEBEC	1238	47	10	-	-	-	1212	47	10
68	PIMPER, SALT LAKE CITY	1185	45	7	220	28	5	389	45	6
63	SHANNON, NR.PITTSBURGH	1180	49	9	295	43	5	186	44	6
58	MERRIMAN, WASHINGTON DC.	1113	49	10	0	0	0	1113	49	10
66	EVANS, E.CHICAGO, IND.	1056	48	8	0	0	0	610	46	5
62	ATKINS, LOUISVILLE, KY.	1033	47	7	0	0	0	222	40	3
21	HANSCH, SOUTHERN WISC.	1009	50	10	60	50	10	-	-	-
59	OLDFIELD, EDMONTON, ALTA.	958	47	10	161	34	8	541	42	10
64	DUNNING, NYC	957	40	8	204	30	4	579	44	8
62	DELORENZO, NEAR BOSTON	917	45	9	0	0	0	227	32	5
61	ERICKSON, LOS ANGELES	900	42	6	-	-	-	442	38	0
64	BREVILLE, ST.LOUIS, MO.	870	43	7	-	-	-	267	40	6
62	EDMUNDS, NEAR RED BANK	846	41	8	209	32	6	209	38	6
63	BOYD, NEAR CLEVELAND	740	46	9	84	29	4	390	45	8
69	DI RICCO, PITTSBURGH, PA.	628	43	8	0	0	0	162	38	5
70	EGGERT, CHICAGO	606	43	5	-	-	-	34	38	2
68	HART, FT.WORTH/DALLAS	586	40	6	584	40	6	8	4	0
64	SORENSEN, CENTRAL ONT.	575	41	9	-	-	-	384	39	8
63	JUNKER, NEAR CINCINNATI	539	37	4	145	30	3	11	10	1
?	ROGERS, NEAR BOSTON	524	45	10	-	-	-	151	31	6
62	KERFOOT, TORONTO, ONT.	523	41	9	0	0	0	228	40	8
68	LOMBARDO, NYC	505	37	9	0	0	0	170	36	7
?	RICHMAN, NYC	503	37	8	0	0	0	406	36	8
67	NEAL, NORTHERN CALIF.	481	41	5	264	34	4	92	38	5
68	FR.PEJZA, SAN DIEGO,CAL.	418	37	6	-	-	-	184	33	5
68	BROCKWAY, MID-N.Y.STATE	345	39	9	46	29	6	252	36	8
67	RENO, NEAR NYC	315	40	7	0	0	0	147	35	5
69	BENNETT, WEST OF NYC	279	32	4	157	24	4	114	24	4
?	HARDESTER, CENTRAL CAL.	275	36	5	0	0	0	232	36	5
69	BUCKLEY, WASHINGTON D.C.	237	34	6	55	22	5	161	32	5
69	CRONIN, SEATTLE, WASH.	234	28	4	0	0	0	0	0	0
69	KARCHEVSKI, SAN FRAN.	204	33	3	160	30	3	158	30	3
70	FEINSTEIN, BOSTON	112	28	5	5	2	2	72	26	5

MUSINGS



Editor: Bob Karchevski
400 East 21st Street, NY 10038

BLAKE LAWRENCE - Box 803 - Canon City, Colorado - 81212

I've missed a few deadlines lately, and by putting things off I haven't been in this section for a few issues. DX hasn't been too bad here - totals now up to 780. I'm hoping for 800 by, at the latest, mid-September. A new station is on in Clovis, N.M. - KWKA-680, came on about 8/1. They are supposed to have 500 U-2, but they sound like 5,000w here. They play rr (just like Clovis' other two stations, hi) and are CBS - IDs are "WKA." Other new DX: 8/2- R/c from KNOX-1310, KNIT-1260, KBAN-1410, & KGRI-1000; KREO-1400 ET @ 4:51am, WOHO-1470 @ 5:41, KFGO-790 @ 6am, KEYL-1400 s/on @ 6:40, & KFAY-1250 @ 7:05am. 8/3- KJBC-1150 Tex. ETing @ 2:04. 8/5- KWKA-680 @ 10:13pm. 8/6- KPV5-960 r/c & KQWB-1550 @ 1:33am w/ET. MM 8/9- YVOZ-1200 @ 3:25am for country #14. WOAI appears to be going off MMs again. 8/11- KHSL-1290 u/KOIL w/ID @ 2:08am, KTYN-1430 N.D. w/ET @ 2:14. 8/13- UNID on 1190 w/TT off & on, noted just before 2am and again at 2:32; I suspect KAYQ, as I heard mention of a directional pattern and "Missouri" during a break. 8/16- KKEO-1340, KTXJ-1350, & KWRD-1470 on r/cs, KTOV-1340 @ 1:10 am, KWBE-1450 @ 6:43 & KFAL-900 @ 7:16am. ERC, if you want c/w, Denver has a surplus of it w/KLAK-KERN-KQXI etc. all belting it out. Either move or get used to Bobby Sherman & Danny Osmond! If you pay shipping, I'm sure all Colorado DXers'd be glad to send you NSP KLAK, hi. KKAM-1350 is now AN, SP is 1-7am MMs, rr format. KEDI-1490 is AN, SP MM 3-8am. KOA has been staying on to about 2:30am MMs lately instead of going off @ 2:05. Keep this in mind: "DXtras" is COMING! A notorious Pittsburgh member told me to say this "CPYN. Good DX & 73 from Colorful Colorado. EPC - Is Winnipeg really in Ontario?

ERIC DIRICCO - 540 Gallion Avenue - Pittsburgh, Pennsylvania - 15226

DX has been great. For all you people who don't DX in Summer, I've managed to log 150 new ones. Just since July, too. Veries have been coming in at a slow pace, however. But surprises still come, like a second WCKY verie - I didn't even ask for it! And a verie from WPAT after five months. Also, one from long-time hold-out KFMG after six months. I've also managed to verify a pirate, though. I tracked him down & had him sign a PP/c. Super-pest department: WHLO refuses to verify my reports - I even tried a PP/c (w/SASE yet) to the personality I heard during the monitoring period. Still no go! WLW is another who refuses to verify my report. Quality and length aren't the problems, either - I sent a 40-minute report which I'm sure is correct since taken off a tape I made. Does CJCY verify? ERC. I finally heard the ex-WJRZ (now WWDJ) during WWSW's SP. Thrills, huh? HQ, when can I get a mechanical filter? I asked for some info LONG ago. Blake Lawrence & I still haven't given up on our column idea, but no one in the Club would take time to pass on what they thought of it. (It's explained in DX NEWS #29, 6/19/71). C'mon people, show some spirit and write! I think every member should flood the DX NEWS w/a Musing for the last issue in this volume. How about it, even John Shannon? CPYN. 73s & good DX to all.

JOHN TULL - 5539 Oak - Kansas City, Missouri - 64113

Hi again. Good DX lately received. PJB after nulling out XELO. I never could have received this station on my longwire as XELO really has a strong signal into K.C. Also on 8/9 I received WNEW even though signal level was just above noise. New veries: WUSI KCRG KLEY KWRE KAKE KQYX CHUM CEM CBL CBE CBR WAKY KCHI WIBV. Waiting on CKX KNX KPMJ KCTA WDAY KLIF WWTC KJPW KLEY. K.C. has had some cool weather in the past few weeks & the noise level has been down from normal. I would like to see the IDX in EST. Good luck to RJE and GPN and I hope the hospital stay is short. 73.

G. HARLEY DeLEURERE - passing through - REYKJAVIK, ICELAND

The airplane left NYC @ 1am this AM 8/10, therefore I'll be late arriving at Luxembourg. I don't know how now I'll go to London. Greetings.

STEWART DRAKE - 2108 South Simpson Street - Philadelphia, Pennsylvania - 19142
 Where does the time go! According to my records I am way past due for a Musing. Back on 5/24 @ 12:27am I heard WSMW-900 w/IT & feminine announcer giving cycles. On 6/2 @ 10:50pm "Cincy" ID on WQNT-930. 6/21 saw WSLM-1110 @ 1:33am w/"Dixie" on their IT. 7/1 saw WWOX-1400 on RS @ 4:30am for a call change. The above four are all verified. On 7/5 I heard an IT on 1450 w/sports on RS. According to the log, Granby is off @ 11:58am. No times on St. Kiehere so I sent a tentative to Causalpel via CJER Rimouski, but to date, no answer. So the score stands here at 2,563/2,425. Oh yes, ZDK sent a v/q for my March logging. This makes 57 countries verified out of 63 heard. I was somewhat disappointed in that not one of the three winners in the Domestic Contest saw fit to drop me a line acknowledging the receipt of their checks. The checks came back canceled and that was the only way I knew they had received them. I am looking forward to another season at the dials. I hope I can log a few more countries this coming Winter. So 73 to all and good DX.

CARY PALL - 220 Melton Street - Apt. 18 - Brighton, Massachusetts - 02135
 Above address is all new; phone here is 617-731-6344 anytime before midnight. The wife & I just moved in as of 8/15 "a day that will live in infamy" hi. No dues hike for 90 days, anyway! I still haven't gotten around to writing a basic log for locals to build on, too busy visiting EPC people. BKX, Randy Kane, plus Waldron & Schlotz of N.J. visited Boston (and us). A word of warning: Captain Glotz can take effect at any time, night or day. CS is to be congratulated for the NYC T-Shirt he concocted on my kitchen table, well done, Carter! One last comment: Summer in Boston is insipid. I will be attending Grams Junior College this Fall as a radio production and performance major. 73 & good DX, see you next time, friends, with some DX.

RICH RICHMAN - 14 East Cheshire Place - Staten Island, New York - 10301
 For someone who was a highly regular Muser (and would go way over the 30-line limit) I've been conspicuously missing from these pages of late. A lack of worthwhile DX is the main reason. Only noteworthy item was the snaring of WCDL-1440 Pa. @ 8:29-8:30pm s/off 7/23. This was during the WNJR silent period. It was good to hear sever 1 rarely heard stations on 1420-1430-1440 as regulars during those days that WN was off. (WAAB WCOJ etc.) A WCDL v/f is now in my possession. Other new verie in is WJIM v/q for change in call letters, ex-WELA. Speaking of WJIM, I spent a good portion of a Sunday in July at the station. I met air personalities Frankie Lee, Ron Maher, newsmen Charles Leonard, & GE Guy Koester. I sat next to Frankie at the console, throughout his 4-8:30pm show. Hopefully, I'll be sitting behind a console myself at some lucky station, somewhere, in the near future. Perhaps, with a new location, I can get some good DX going again. Anything's got to be better than my present location. For c/w fans, in the NYC area, WJIM-1530 has a c/w show Sundays from 3-5pm. 73.

ALLEN L. NISSEN - 220 Main Street - Port Monmouth, New Jersey - 07758
 Hi all! Note my new address - we moved here 7/1. We were indeed fortunate to leave last six months earlier than planned. Port Monmouth is part of Middletown Township, in Monmouth County N.J., just N of Red Bank. If all goes well, we should be here for five years or so. The infamous WABC spurs mentioned in the last DX NEWS on 680 & 660 are still quite evident here, about 55 miles SE of Iodi. These spurs were really pesky when I was living in Iodi, needless to say. While driving in northern N.J. Sun. 8/22, I noticed WQQW-1300, Spring Valley, N.Y. back on the air after a year's absence. They are IDing as "The New WQQW" & played MoR during the 20 minutes I heard them (4:40-5pm). They are also having a contest with prizes for the furthest list takers. No ads noticed in the 20 minutes I heard them though. Congrats Foxy on recent marriage - welcomed aboard, hi! This pay freeze just wiped out my pay raise - rats! Phone # here (unlisted) is 201-499-1213. Have a happy time at the Convention. 73, and stay cool. PS- WJIK-1310 plays a c/w ex every Saturday afternoon starting @ 12:15pm. Also, WNE-1520 still plays c/w (but try to hear them, hi!).
 LET'S HAVE THOSE MUSINGS AGAIN LADS, FOR VOLUME #19! PLEASE DOUBLE SPACE!

ROBERT SEAN - 234 Columbus Street - Sylvania, Ohio - 44035
 (Time in this Musing is EST -EPC) It's been a long time since I've been in these pages, so I'll re-introduce myself. I'm 21, graduated in June from Ohio Wesleyan with a Journalism major, and expect to have to enlist in the Service before too many months pass. I've DXed since '65, and from Sylvania (I never counted any DX I did at school - the fewer sets of totals the better), have heard 1,171 stations from 46 states, nine provinces and 29-odd countries. This Summer, as a manifestation of the "new breed" of graduates I have employed my talents as a security guard, thus my hours have been good for DX. 7/25- WWOX-1250 @ 2:20am ID for IT/IT/mx. 7/26- WQTC-1450 ID 1:17am. I had heard them ID three times the previous 15 minutes but was not sure of my hearing; all four IDs were identical in delivery which makes me believe it was an RT. 8/1- WQO-1450 SID @ 1:46am, apparently c/w. WJIM-970 for call change very strong, AM. MM 8/2- WCFV-1260 IT/IT from before 11:50pm till 12, ID. WBYB-1380 IT/IT ID @ 12:15, XECC-1380, R. Eco, 2:52. KKKL-1360 ID very weak & muddled 3:30, RS I believe. WYMA-1550 IT/IT/IT from before 3:55-4:15 ID. 8/4- WARD-1490 AM & most every AM since. MM 8/9- WTM-1600 IT/OC ID 11:12pm. WJMC-1400 s/off-SSB @ 11:57. WCAZ-990 r/c, surprised I'd never got it before. 8/11- Another surprise in first, QENO-1250 topping WTAJ AM, new pattern! This Spring I was given an excellent old RX, a Hamerlund RHO-2 Unfortunately! It needs much work before it will function properly. Even worse, Hamerlund won't do it because it's "obsolete". So now I am still using my WW-II Philco, no antenna at present. I made the April YAD-land get-together, although for so brief a time I don't think Jerry even realized I was there - at any rate I was left off the list of invaders. Highlight was a visit to WTCF, whose XR apparently used to be a shopping center PA system w/Devissos, Greene I sigal. I went to thank all who wrote w/suggestions concerning my tube problem last Winter I have thanked those who sent tubes, except the anonymous Cincinnati who sent seven or eight, most of which my little eight-tube doesn't use! And they are in turn offered to anyone who in these pages expresses a need - no room to list 'em.

JERRY OSBORN - 763 Canterbury Avenue - Ottawa B, Ontario
 I have now got a new RX-133 in place of the SX-110, and have built a new loop (3') so I am all keen for the coming season. I've got quite a bit of DXing done this Summer w/a few interesting catches in between thunderstorms. Here are some unIDs I could use some help on: Station on 770 w/RI at 3:15am ITT w/WABC off, weak, 7/25, KCBT Also on 770 same logging, station w/non-stop mx, Jamaica? Looped South. Next query - Station on 1170 @ 1am EDT w/Salvation Army program "Analogue", looped West, very weak inRPN 8/1. A few loggings here: CKY-580 w/CFRA off, also weak CKW at same time; CKIM-730 w/CKAC off, solid 4:30-5am; CHRC-300 use. 2:26am 8/16 in CKW null, rarely heard because of QJAD, not to mention PJB & CKLM. ZFB-950 tentative - I have had "Breakfast Show" Mts after CWS s/off @ 2, but have yet to catch ID. Do they ID @ even half hour? Heavy QSI much of the time, probably swallowed up IDs. ZNE-1540 strong w/KKLL looped @ 2:15 8/1. On the TA scene, Dakar-704 good @ 2:15am for a few moments, then gone 8/16. Veries: v/q- CKIM-730 (six days). v/1- CJFP-1400 CHYM-1490 and Cuban on 740, v/1 in SE, report sent 10/70. I got v/1 & pennant from R. Reioj de Berranquilla-1100, heard often here Mts. So, I will report again soon. Best DX.

ANDREW P. BUOS - 45 Dunfield Avenue - Apt. 1008 - Toronto 2G5, Ontario
 Hi guys. I made one new logging. On 7/15 I caught WINY-1260 during the late evening, a call change from WDOX. They verified. Originally I had planned to be Out West at Convention time & on one occasion the venerable Jim Werner was thinking of coming along. However I will have to call that off, because I am changing jobs & moving back to Montreal. That precludes any big vacation this year. The move back to Montreal certainly will be an improvement from a DX standpoint. Of course, there were other factors involved, such as career and salary and all that sentimental rot, but the main reason is so that I can do some BCB DX. Now that Foxy is married, who is next? Chapter 13 of the book "Future Shock" begins w/a little dissertation on "subcults" such as the ERC. It praises us as the vanguard of the future, a source of identity in a big faceless world. At long last we have the recognition which we deserve.

12 **RANDY STEWART** - 2951 East Bennett - Springfield, Missouri - 65804

Howdy from the Land of the defunct Ozark Jubilee TV Show, hi. I didn't DX much during the past months, but since school starts 8/30 w/classes 7 am-12:50pm (two student bodies will share the Glendale HS building at different times until fifth high school is finished). Normal Glendale students go in the morning, students who were to go to the fifth one, because of several strikes, will use the Glendale building in the afternoon, 1:30-6:45pm. I figured I'd better start DXing. Since last Muse: 7/26- Belize noted on late w/boxing (Middle-weight championship of Belize), no s/off till nearly 1:45am. They do announce 820, however, but never give power. 7/27- TQHR-700 o/u looped WLW w/mx. & "R. Mundial" @ 1:40, fair, heard most nights. 8/3- WXEL-1350 Ill. poor @ 1:35 w/ lotsa splash from local NSPrT KICK-1340. 8/19- While taking log on KTOE-1420 Minn. @ 1:40 I noted r/c of WLET Ga. way over him till off @ 1:45. 1420 is a fun frequency here before local midnight, what with WOC KTOE & who only knows what else killing each other. 8/21- UnID LA on about 664 hetting 660 & 670 badly. Don't tell me TGRT is drifting again? Also, which way does WBZ beam at night? (They're non-directional -ERC) Noever above S 3-4 here while KDKA is near local quality many nights. I guess it's obvious by now that I write Musings the way I talk - I don't know when to shaddup, hi! But, since the deadline is less than a week away (and my pen needs sharpening, h9) I'd best say 73 till the next time.

JOE A. MARKEWICZ - 1394 Elgin Avenue - West Winnipeg 3, Manitoba

Since I just joined, I thought an introduction would be in order. I'm 16, a Grade 12 student at Daniel McIntyre Collegiate Institute. I've been turning the dials since 1967, & I started to verify the stations I heard on the BCB in the early part of 1970. My totals go something like this: 640/348, 39/32, 10/9, & 8/7 provinces. I also do a lot of FM & TV DX. Some veries in: WWJC-850 QMDN-870 KIMS-1480 WJON QMCA-830 KSEI-930 KUJ-1420 KMO-1360 KRKO KQWB-1550 who has moved to their new studios. KQWB's new address is Box 2983, Fargo N.D. 58102. KQWB-FM new calls are KWDM. CKRC-630 new SP is 2:30-5:30am on Tuesday AMs, a change from MMs. WWJC mentioned that my reception on its new frequency & power is the furthest to date. WWJC did a fair amount of testing on SMs when they were on 1270. WWJC is heard here w/a poor signal during the day because KOA can also be heard here all day. Because of my lack of time this winter, I don't plan to do too much listening. I think that Morris Sorensen will need a lot of luck up there at God's Lake, hi. Since when has Winnipeg become part of Ontario? (Welcome to NRC, Joe - sorry to have to cut out the TV/FM stuff. We hope you will get to do some BCB DX & will Muse about it! -ERC)

DAVE CHRISTENSEN - 3434 39th West - Seattle, Washington - 98199

Hi all! Time for an intro, as this is my first Musing, so to ease suspicion: I'm 17, have been DXing for about four years and a member of IRCA for about 3½ years, where I'm currently contest manager. My totals are: 424/155 (heard/verified) stations, 35/33 states, 5/5 provinces, & 10/5 countries. The reason for the poor verie total is that I've had to give up verifying all catches due to lack of time and lack of funds, so now, I verify only my best catches. My RXes are a Hallicrafters SX-130 and a Realistic TRF (Radio Shack) portable, the TRF is my domestic DX RX & the Halli. is for foreign. Best catch is KCAM-790 Glenallen Alaska, and best verie is KSMA-1240 Santa Monica. Recent DX includes: WMBD-1470 3:30am 8/14, WDXR-1560 @ 2am 8/14, and KVOP-1400 on r/c 5:22am 8/16. CX have been interesting lately, w/KYAK-650 in stronger than in the winter and JQUB-770 o/KOB in the middle of August! Thanks to Kevin Slater, I'm a jingle freak, so I'll trade you anything from Seattle for your locals. Good DX, 73, happy trails, and if anybody needs help w/wash. stations, just write. 73. (Welcome to you also, Dave, and we hope to hear often from you! -ERC)

ROBERT SABO - 36 Bryant Street - Bridgeport, Connecticut - 06605

After waiting 6 months I finally received a v/q from WJDM. Still no veries from WFIF WFEA MMMM WBAB. I have sent two reports to WFEA but they fail to answer. Also I am having trouble finding the variable capacitor used in the construction of the Altizimuth Loop. I would like to hear from any members who

have one they would like to sell. A severe electrical storm in the area temporarily quitted many of our locals - great for DXing.

ROSS E. HANSCH - 5013 Risser Road - Madison, Wisconsin - 53705

Swinging across 1090 in early August the signal seemed a little strong for WGLC, and sure enough, it announced "WISS, Berlin, Wisconsin" - the long-lost CP. Not too strong here in Madison 65 miles away, (everybody's 40 over on the HQ-180 & inverted vee up 65') the 250w daytimer may be a little difficult to log in some places, the surrounding states all have 1090 stations and at SRS & SSS KAAAY makes a real racket. Sept. s/on is 6:30, s/off 7:15, Oct. 7:15 & 6:15. The town is pronounced with the accent on the first syllable, not like in Germany, and is about 20 miles W of Oshkosh. The format is the modern faceless country image, time & temperature after each number - or twice - and little local color unless somebody gets hit by a truck - even then they might not find it out. I don't know how long they've been on as they're not audible on the car radio. WTSO takes care of their weak signal, but they're OK on the HQ-180 with accompaniment by WGLC. I had a visit from Al Slater and family of Sussex, England the first week in June. He's inactive at present partly due to an HNL, but with 130 countries verified and the declining sun cycle - he'll be back, and it was good to see his renewal in the August issue. If there is sufficient interest I can arrange a couple of VOA-1178 Okinawa SM TESTs for the EC this Fall. I have been talking to George Jacobs who is in charge, and the operators at Okuma, they think we should wait no longer. Give your suggestions, opinions, etc. to Jerry Starr, Gordon Nelson, or Foxy, with 1,000kw & a 0° beam - who knows? The DX NEWS time vote - a real toughie. I run two clocks in the shack, GMT for hambands and IDXD, HQ-180C on EST, no local time. We learn to think in a time zone - you can't turn it on & off like a faucet. Either would be OK, if you want a vite, I say, EST all the way. 73.

MIKE "DOC" HARDESTER - 401 Birchwood Court - Modesto, California - 95350

Most recent news here is the addition of two "new" RXes - HQ-150 and HQ-129X. The 150 is used solely for BCB & the 129 for SWB. The 150 combined w/an SM-1 is one good piece of DX gear. The ole 1930 Freed-Eisemann did a darn good job in about three years of on & off DXing. Heard totals w/the FE on BCB were 15 countries, five provinces and 40 states; on SW I logged 65 countries. A BC-221-M (frequency meter) is also in use & if I get enough money together (at one time, hi) I'm going to get a good tape recorder (reel-reel). Latest DX: KYW--1060 @ s/off w/SSB on 8/16 @ midnight w/fair signals & KUPD QRM; XEPRS (ex-XERB) w/excellent signals 8/12 @ 9:28-10pm on the "rapper" show: rr & SS IDs on the hour & half hour; XEBG-1550 heard 8/15 @ 2:42-3:14am w/EE program & IDs as "R. 15-50". Requests for comments on programming which was instrumental mx, easy, but poor signals w/mucho QSB & SS IDs; KSVK-980 heard w/EF on 8/16 @ 2:38-3am w/instrumental, mx & IDs about every minute, good signals w/little QRM or QRN. Nice talking w/GPN on the Landline a few weeks back about Aurora of 3/23/69. I hope the info helped. 73 & Summer DX lives! Times are EST. How about a WABC DX Special, hi. (He's NSP, Doc! -ERC)

Sgt. E. BRUCE REYNOLDS - Box 3082 - HQ FEN - APO San Francisco, Cal. 96267

As I send in my renewal for my seventh year in the NRC, I guess I'll send in a using, too. Although the newer members won't believe it, I used to be rather active. However, I just can't seem to get the bug over here. I guess I'm just a domestic DXer at heart, as all these Japanese, Chinese and Korean stations are too hard to ID & blanket too much of the dial. I wish the Japanese would go ahead and put all their low-power stations on FM. That would help some. I did turn on the RX a while back last night & caught DZCH-1600 s/off in EE @ 1600 GMT. S/on is 2100 GMT. I have a hunch the DX fever will set in again once I get back to Missouri. Don't give up on me yet, anyway. I have spent a couple of enjoyable evenings w/NRCer Lars Ryden, which goes to show that you never know where you'll run into a fellow club member. I didn't expect to find one in Tokyo. I hope everyone has fun at the Convention & best of DX in the new season. 73.

HEARD SINCE LAST ISSUE

680 K W K A Clovis, New Mexico (rr) 1400 W W O C Ex-WHII AN-6, NN
 850 W W J C Ex-870 kc/s. 1410 W O T T Now fulltime, 5,000/500UR
 920 K F N F Back on RS. 1520 W K J R Now 10,000 D-3
 1090 X E B R S Ex-XERB (8/1) 1560 W T P S Back on RS.
 1190 K A Y Q Kansas City, Missouri 1090 W I S S Berlin, Wisconsin
 1300 W K Q W Back on RS (8/21) 1300 W Q B K Ex-WEEE (MoR)

"AN" SITUATION

OFFS: 630 C K R C Tues. AMs; on MMs. 1350 K K A M AN-6 1340 K I C K NSP
 1200 W O A I Off MMs again. 1490 K E D I AN-6
 1430 W N J R SMS & MMs. W A R D AN-6

SCOTT BROCKWAY - 112 North Crescent Drive - Rome, New York - 13440

It seems that a few stations are beginning to clean up their back mail. A verie in from WEEL-1310 for a 10/26/70 report really surprised me. Other veries in: WPOP-1410 WOR-710 WGY-810 & WJLM-1530 for their 2/15/71 TEST. My own little PP/cs are back from WLLH-1400 WALY-1420 & WKOL-1570. The only new station in to this writing is WERI-1230 w/METS BB @ 12:33am. (I think you had WHUC, Scott - WERI is Red Sox & HI, hi -ERC) WTXL-1490 was also in w/rr @ 12:15am. He gets one of my cards, too. A short note on local WKAL-1450 - they do NOT carry Yankee BB any more due to some disagreement with the authorities on something or other. They also have dropped the Twentieth Century Reformation Hour heard from 10-10:30am. I wonder if this latter malady is catching? A talk w/the CE of the station disclosed that the Dr. MacIntire was delinquent in his payments to many of his subscribing stations, so it seems the air waves are becoming less cluttered by his material. Sorry I won't be able to attend the Convention but when it moves back East somewhere I'll probably show up. And since many people have nominated their own cities for upcoming NRC Conventions, how about Rome? We've got a nice big Holiday Inn downtown. Also, there's never a dull moment here as most of the day you can see jet bombers & interceptors taking off from our S.A.C. base in the city. If you have never been buzzed in your home @ 3am by an alert, you haven't really lived, hi. That's it from the home base of the defenders of the Northeast U.S. (Are you offering to HOST such an NRC Convention, Scott?? -ERC)

BEN DANGERFIELD - 202 Governor's Drive - Wallingford, Pennsylvania - 19086

I returned home two weeks ago from a 24-day trip to TA-Land which took me through The Netherlands, Belgium, Luxembourg, and West Germany, before spending 12 days in Finland. My wife & my younger son stayed one more week & made a four day jaunt to Leningrad, but I had to get back to work. All DX was on my Panasonic transistor set, as in 1970, and some of my impressions follow, space permitting. Naturally I could have heard much more on a large RX. Daytime reception was quite good at Amsterdam, the semi-locals beyond Holland including Nordsee-1367 Veronica-1562 Brussels-620 & 926; W. Germany-548 & London-908. BBCs also good on 1484 1457 1151 1088 & 692. And Lille-1376, but not Luxembourg-1439, not until evening. Others in W. Germany, Britain, Belgium & France were weaker. Moving down the coast to Brugge, Belgium, found BBC-1484 covering Ostende-1484, & the eastern Belgians rather weak, & Paris-584 good days. In Luxembourg, outside of R. Luxembourg (whose towers I saw & apparently different day/night patterns are used) the best daytime stations seem to be Saar-421 Trier-327 Mainz-1016 Mainflingen-1538 Frankfurt-593 & Nancy-836. Stuttgart-575 is good, but Leipzig on same frequency QRMs in Luxembourg as well as in Germany. ARNs at Bitburg-1394, Frankfurt-872 & Kaiserslautern-611 are strong. Some Belgians fair: Dutch weak, & BBC, very weak. Tuning in the Moselle-Rhine areas of Germany brought pretty much the same stations. QRM between synchronized XRs at Trier & Koblenz on 827 was noted. Also I visited Aachen, which has a local on 701, & Liege, whose local is on 1484. Memories there for me go back to the Battle of the Bulge in 1944. Note: I am still fighting it! (But eating less would help!) (I hear you talkin'! -ERC) Nighttime reception from all these areas is nearly uniform. I did find out that the TA on 1043 using "Good Night Sweetheart" as a signature is at Dresden, who then cuts power & returns to the air. At 6pm EST, that is. I will have to ramble on about the reception in Finland in another Musing. 73.

Past Articles from DX NEWS

ANTENNAS

- A1 SOME TIPS ON LOOP CONSTRUCTION, J. Starr. Helpful hints on the practical construction of loop antennas.
- A2 ANTENNA TUNING DEVICES FOR THE LONGWIRE ON THE BROADCAST BAND, R. J. Edmunds. Discussion of various types of antenna tuners for matching longwire antennas to medium wave receivers.
- A3 HIGH PRECISION DIRECTION FINDING ON THE BCB, PARTS I & II, G. P. Nelson. Part I uses Maxwell's Equations to derive the equations describing MW direction finding with a loop antenna. Part II is a non-technical discussion of how loop antennas operate on the BCB and how to get the most out of a loop antenna.
- A4 A ZERO SHARPENING DEVICE FOR A BCB LOOP, T. Holmes. If you're having trouble obtaining sharp nulls with your simple loop, this device may help.
- A5 A VERSATILE LONGWIRE ANTENNA COUPLER, R. Foxworth. How to get the maximum amount of signal from your longwire.
- A6 RANDOM THOUGHTS ON THE CONSTRUCTION OF THE FET ALTAZIMUTH LOOP ANTENNA, R. J. Edmunds. Practical hints on building the ultimate in MW loops.
- A7 ROLL YOUR OWN (LOOP THAT IS...), D. Fischer. Loop won't tune the entire band? This article describes what's wrong and how to cure it.
- A8 DIRECT COUPLED LOOPS, D. Fischer. Discussion of loop design and details on coupling your present loop for maximum performance.
- A9 ONE TRANSISTOR LOOP AMPLIFIER, G. P. Nelson. This simple circuit will greatly improve loop performance.
- A10 THE DEGENERATE LOOP - AN EXCELLENT ANTENNA COUPLER, D. Fischer. Another approach to obtaining a good antenna match.
- A11 FET ALTAZIMUTH LOOP ANTENNA PLANS, G. P. Nelson. Highly detailed instructions on the construction and operation of the most advanced loop antenna ever designed. Computer-optimized design permits nulling local stations more than 80 decibels; hear DX under your locals! Plans for both designs with and without transistor amplifier - FET amplifier can be added later to boost performance. Many drawings; where to obtain parts.
- A12 THE BCB DX'ERS BEVERAGE, G. P. Nelson. Nontechnical article on building a Beverage antenna - unequalled for MW reception.
- A13 LOOP DISTORTION - WHY GET SKEWED, G. P. Nelson. Discusses the origin of distorted DX loop patterns; unique technical material not available elsewhere; a must for those interested in designing MW loop antennas.
- A14 PATTERN CONTROLLED LOOPS, PARTS I & II, G. P. Nelson. Introduction to the theory and practice of pattern controlled and cardioid loops for the BCB DX'er.

- A15 HQ TRIES THE SPACE MAGNET, HQ Staff. NRC technical staff evaluates the commercial "Space Magnet" loop antenna and compares its performance with the FET Altazimuth loop.
- A16 THE SPACE MAGNET - HOW GOOD IS IT?, D. Kenney. Further discussion of the "Space Magnet" loop.
- A17 THE WAVE ANTENNA - A NEW TYPE OF HIGHLY DIRECTIVE ANTENNA, Beverage, Rice and Kellog. This is the original 1923 article describing the Beverage antenna.

RECEIVING EQUIPMENT AND TECHNIQUES

- R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED, R. J. Edmunds and G. P. Nelson. Many MW DX'ers hear stations on frequencies where they don't "belong". These articles describe the causes and cures of spurious MW responses. Especially valuable if you've got powerful local stations nearby.
- R2 SINGLE SIDEBAND RECEPTION ON THE BROADCAST BAND WITH MECHANICAL FILTERS, G. P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with ECB interference - especially in the presence of powerful local stations. This article explains in great detail how to fit mechanical filters to a MW receiver for the ultimate in adjacent signal separation. Now widely used by many top MW DX'ers.
- R3 SUBAUDIBLE HETERODYNES ON THE MW EBC, G. P. Nelson. Details on a brand new technique which permits the MW DX'er to detect and characterize signals too weak to be audible at the time; also permits the DX'er to count the number of stations on a channel even if no programming is audible and permits direction finding on channels with several stations.
- R4 AUDIO FILTER, G. P. Nelson. How to build a very cheap audio filter using surplus parts that really reduces MW noise and heterodynes.
- R5 THE TRACKING PROBLEM AND HOW TO CURE IT, G. P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW operation; this article describes one of the most common design flaws and how to cure it; very useful if you've got powerful locals.
- R6 ELECTRONIC VERNIER TUNING, R. Moore. Detailed instructions on how to fit a "varicap" to a MW receiver to provide fine bandspread tuning.
- R7 MECHANICAL FILTERS FOR THE HQ180, J. Starr. Complete details on the conversion of this popular receiver to multiple MF operation. Order with R2 above.
- R8 HOW TO LIVE WITH A BUDGET RECEIVER, R. J. Edmunds. How to improve inexpensive receivers for MW performance.
- R9 SELECTING A RECEIVER, R. J. Edmunds. Shopping for a MW DX radio? Read this first!
- R10 SIMPLE AUDIO FILTERS, R. J. Edmunds. How to build and use simple high-pass, low-pass, band-pass, and band-reject filters. Includes a discussion of "variable cutoff frequency" filters available as surplus.

DOMESTIC DX

- D1 THE KOB PROBLEM, P. Hart. KOB seems reluctant to QSL your report? This article gives the inside story of broadcasting's most interesting legal hassle as gleaned from official FCC files in Washington.
- D2 IT TAKES TWO TO VERIFY, J. Murley. Unhappy with your domestic QSL return percentages? Read this article on the station's attitude towards reception reports and improve your returns; written by a highly experienced broadcasting professional.
- D3 CANADA'S WILDERNESS RADIO - THE LPRT, P. Taylor. In depth study of those 20 and 40 watt Canadian stations that you hear but don't understand; a must for the domestic DX'er.
- D4 WHAT IS A PRESUNRISE AUTHORIZATION?, R. J. Edmunds. Some U.S. stations are authorized to operate with powers such 14.3 watts during certain hours; this article explains how and why.

FOREIGN DX

- F1 REPORTS TO LATIN AMERICA, C. Objio. Helpful hints on how to verify Latin stations, written by a world-famous Latin America DX'er.
- F2 LATIN AMERICAN NAMES, C. Objio. It's hard enough to QSL many LA stations without insulting the station personnel by misusing Spanish personal names! How to use Spanish names correctly.
- F3 PORTUGUESE FOR DX'ERS, R. Schatz. Describes the important and unusual features of this language; a must if you log Brazilians.
- F4 STATION NAMES VS. CALL LETTERS, C. Objio. The distinction between call slogans and call letters is important in Latin America; this article will help you DX the Spanish speaking stations.
- F5 HUNTING THE LATINS BY MUSIC, R. Schatz. Describes the various types of "Latin American Music" characteristic to various countries and tells how to ID LA's using this information.
- F6 FREQUENCY AND CALLSIGN ALLOCATIONS IN SOUTH AMERICA, R. Schatz. Confused by Latin American MW calls? This article explains all.
- F7 SURVEY OF TRANSATLANTIC STATIONS HEARD IN THE U.S., K. Brownless. A compilation of all the TA stations heard over here during the 1970 DX season; a useful guide of best bets for the next year.
- F8 BOTTOM DX, C. Freeman. Quite a number of stations operate below 540 kHz, the traditional "bottom of the band". This article lists these stations and tells how to modify your receiver to hear them.
- F9 ABOUT THOSE COMMON WAVES, R. J. Edmunds. European Common Wave channels feature dozens of stations in different areas carrying the same programming. This article explains how and why and the significance for the DX'er.

F10 **TRANSPACIFIC RECEPTION DOES EXIST**, J. Murley and G. P. Nelson
A highly experienced West Coast DX'er gives a full rundown on how to hear, identify, and QSL Transpacific stations. Much invaluable practical information.

PROPAGATION

- P1 **MEDIUM WAVE SIGNAL PATHS, PARTS I,II,III & IV**, G. P. Nelson. Discusses great circle paths, seasonal absorption patterns, auroral effects and the Midwinter Anomaly.
- P2 **SOLAR CONTROL OF DAWN E BLANKETING ON THE MW BCB**, G. P. Nelson. Explains how the position of the sun controls the fade-out time of Transatlantic and Transpacific stations.
- P3 **EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM**, G. P. Nelson. Considerations of solar control of fade-in times for MW stations.
- P4 **SUMMER RECEPTION ON THE BROADCAST BAND**, G. P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from Deep South America and Africa possible. A must for the international MW DX'er.
- P5 **GEOMAGNETIC MEASUREMENTS DURING THE PAST 4½ YEARS**, K. G. Scrimgeour. This article provides more evidence for the effect of geomagnetic/auroral phenomena on MW reception.
- P6 **AURORAL EFFECTS AND THE 1969 TRANSATLANTIC LISTENING TEST**, G. P. Nelson. Brief but simple description of how the geomagnetic/auroral phenomena control TA reception from various stations. Best general introduction to MW auroral effects.
- P7 **THE AURORA OF NOVEMBER 6-9, 1970**, G. P. Nelson. Traces a classic MW auroral attack from its origins on the sun to its effect on MW reception; a must for understanding the auroral effects on the MW band.
- P8 **ECLIPSE, 3/7/70**, T. Holmes and G.P. Nelson. Explains the effect of a solar eclipse on the ionosphere and on MW propagation.

TIPS FOR BEGINNERS

- N1 **TIPS FOR THE NOVICE DX'ER, PART I**, P. Taylor and R. Edmunds. Beginner's introduction to domestic DX'ing; how to log your first 500 stations.
- N2 **TIPS FOR THE NOVICE DX'ER, PART II**, P. Taylor, R. Edmunds. How to log all 50 states.
- N3 **TIPS FOR THE NOVICE DX'ER, PART III**, P. Taylor, R. Edmunds. Logging the first 20 countries from the Western Hemisphere.
- N4 **TIPS FOR THE NOVICE DX'ER, PART IV**, P. Taylor, R. Edmunds. Logging your first 20 transatlantic stations.
- N5 **THE FIRST 30 COUNTRIES IN ENGLISH!**, J. Conrad. More than 30 countries in North and South America broadcast in English on the MW band; this article tells where and when to listen.

N6 **YOUR FIRST 10 MEXICAN STATIONS**, J. Murley. Bewildered by all those Mexican stations you hear? This article tells how to log and identify the major stations.

LOGS AND LISTS

- L1 **CONDITION OF FREQUENCIES LIST**, L. Kruse. Monday Morning is often a very fruitful time for domestic DX since many stations are regularly off the air; this is an invaluable list showing the occupants of each channel on Monday Mornings. (December, 1969)
- L2 **FREQUENCY CHECK LIST**, J. Fela. Many U.S. stations run equipment tests at regularly scheduled times and dates; this is a listing of frequency checks that will permit many new domestic loggings. (February, 1971)
- L3 **THE WORLD TOMORROW LOG**, J. Murley. A tabulated listing of the stations and schedules carrying this very widely broadcast religious program; a fine aid to identifying domestic stations. (January, 1970)
- L4 **THE VOICE OF PROPHECY LOG**, J. Murley and H. Helms. Similar to L3 above for another well known program. This article also includes data on Mexican and Spanish speaking stations carrying this program. (September, 1970)
- L5 **EUROPEAN BAND STATUS REPORT**, Edited from reports of the EBU. This is one of the most accurate listings of MW broadcasting stations in Europe. A must for the international DX'er. (October, 1970)
- L6 **CUBAN STATION LIST**, R. Schatz. Invaluable aid for identifying these widely heard stations. (January, 1971)
- L7 **DOMINICAN REPUBLIC STATION LIST**, C. Objio. A listing, including addresses and schedules, of the stations in the Dominican Republic. (July, 1970)
- L8 **VENEZUELAN STATION LIST**, C. Objio. Similar format to L7 above. (June, 1970)
- L9 **COLUMBIAN STATION LIST**, C. Objio. Similar to L6 and L7 above. (February, 1970)
- L10 **CARACOL STATION LIST**, R. Schatz. Listing of Columbian stations which are Caracol affiliates. (January, 1971)

UPDATERS TO THE NRC LOG

The following updaters contain corrections and additions to the NRC Domestic Log. Dates are those of publication.

U1	1/9/71
U2	2/13/71 and 2/27/71
U3	3/6/71
U4	3/27/71
U5	4/17/71
U6	5/29/71
U7	7/24/71

MISCELLANEOUS

- M1 TELEVISION INTERFERENCE ON THE MW BCB, G. P. Nelson. T.V. receivers generate QRM which appears on specific frequencies on the MW band. This article lists the TVI frequencies and suggests a cure for the problem.
- M2 LOCAL SIDEBAND SPLASH - HOW MUCH IS TOO MUCH?, G.P. Nelson. Many MW DX'ers complain that certain local stations "over-modulate" and produce undue amounts of QRM. This article describes the federal regulations which govern permissible sideband radiation on the MW band; also describes certain types of station-originated spurious radiation.
- M3 A FREQUENT BUT RARELY DISCUSSED CAUSE OF BCB INTERFERENCE, J. Starr. Explains how modulation arcing at the station can cause severe QRM on the MW band; a relatively common but rarely understood problem.
- M4 SUNRISE - SUNSET TABLES, G. P. Nelson. These charts permit the DX'er to determine the exact time of sunrise or sunset at any point in the world on any particular day. Very useful for international MW DX'ers.
- M5 QUASIMONTHLY PATTERNS IN ATYPICAL MW DX RECEPTION, G. P. Nelson. A large body of data on TA reception gathered by R. Wood in England is analyzed in an attempt to prove or disprove the "Lunar Phase" theory.
- M6 SAFETY AND PREVENTITIVE MAINTENANCE FOR DX'ERS, J. Starr. Will your DX setup surprise you with a lethal shock or someday start a fire? This article is a must - unless you like surprises.
- M7 UNRESTRICTED RADIATION, G. P. Nelson. Discussion of carrier-current and other restricted radiation stations - and how to hear them.
- M8 RF POLLUTION, G. Hauser. General discussion of the radio interference problem and what steps will be necessary to control it.
- M9 PATTERNS, PARTS I, IIa, and IIb, P. Hart. An understanding of the directional antenna patterns used by North American MW stations is vital for the active domestic DX'er. This series of unique articles explains in authoritative detail what patterns mean and how the DX'er can fatten his log by understanding them. Many graphs and maps.
- M10 TAPE RECORDING FOR THE DX'ER - REVISITED, J. Starr. A professional broadcaster/DX'er gives more tips on the use and abuse of tape recorders by DX'ers
- M11 GREAT CIRCLE COMPUTER PROGRAM, P. Sullivan. A simple FORTRAN program for calculating the bearing from your location to any station.
- M12 WWV TO TRANSMIT "A" INDEX, G. P. Nelson. The Government's station WWV now transmits useful geophysical information for the MW DX'er. This article gives the format of these important hourly broadcasts.
- M13 YE OLDE LOG BOOKE, D. Phillips. How to keep a compact and efficient log book,

GETTING STARTED IN MW DX'ING. A 40 page booklet containing a careful selection of the best of the introductory articles from the NRC Reprint List. This handy booklet contains the following articles:

A2 D2 R8 R9 F10 N1 N4 N5 M10 and "How to Send a Reception Report"



EDITOR:

R.J. Edmunds
BOX 946
Wayne, N.J. 07470
(201) 335-0397

Greetings again, peoples. Due to the recent mixups with Keuffel & Esser Co. FCC Services Division which no longer uses the name "Cooper-Erent", we've got a lot of additions and out-of-order items in the accompanying updater, and, as noted therein, we'll conclude the updater in the body of DDXD, rather than start a new page for so few items. Thus, we'll have no "+" items in the "changes" subsection this time - all are in updater. To clear up the entire confusion, we hope, we'll get right into the conclusion of the updater before the regular DDXD doings. This updater represents all FCC info rec'd here to 8/24/71 from K&E (which is now back up to date also) & Broadcasting.

650 KYAK-AK CP is on.	1510 WATT-IN new call (Wabash CP)
700 KBYR-AK CP is on.	1530 CP -IL delete Elmhurst listing
1270 KBYR-AK delete listing	CP -IL Flora, 1000 D3
1390 KFRA-LA CP is on: 500 D1	1540 WSWG-MS ex-WLEF
1430 CKFH-ON CP is on.	1570 WGLX-OH new call (Galion CP)
1490 WCOF-FL CP is on.	WSSA-GA CP is on.

call applications

1170 CP -MN req. KWAQ (Waseca)	1310 WKTC-NC req. WGHB
1240 KBMY-MT req. KUUL	1380 WKJG-IN req. WMEE

changes

- * 620 KIPA-HI presently on 1110, has applied for change here.
- * 1080 KHAI-HI presently on 1090, has applied for change here.
- * 1600 WHLL-WV Due to money troubles, went off air abt. 8/1, applied to FCC for permission to be off for 90 days, and permission was granted. (Wes Boyd - Youngstown, Ohio)

r/c's

new r/c's or changes (denoted by "x") in listed r/c's: Hart)

2nd. SAT. 0200-0210 KFUN-NM 1230 T (time occasionally varies) (Paul K.)

2nd TUE. 0230-0245 KRZE-NM 1280 delete check from lists (Hart)

3rd TUE. x0205-0215 WBUD-NJ 1260 T (time change) (RJE) (and day chg.)

1st FRI. x0030-0045 WTTM-NJ 920 T (delete "after 1st Thurs.") (RJR)

4th TUE. 0205-0215 WILK-PA 980 T (after 4th MM) (Eric DiRicco, Pgh., Pa)

CHECKS HRD: (by month)

JULY: 2nd MM: WGMF-1500; WCAZ-990; WAGN-1340; WANY-1390; 2nd TUE: WJMA-1340, WKCL-560, WFTR-1450, WQVA-1490, WFPG-1450, WAWZ-1380; 2nd. WED.: WGHQ-920; 2nd THU: WIDG-940, WOTR-1370; 2nd FRI: WNJH-1580; 2nd SAT: KFUN-1230; WCCR-1580; 3rd MM: WDIC-1430; 3rd TUE: WABH-1150, WAHT-1510, WVNA-1590, WMGR-930; 3rd FRI: WMNS-1360; 4th MM: WCOM-1050; WCBG-1590, WTLB-1310, WNAK-730, WPPA-1360, WGOE-1590, WCVS-1450, WHYI-960; 4th TUE: WAHT-1510, WILK-980.

AUG. 1st MM: KDLM-1340, WGHN-1370, WPLB-1380, WEED-1390, KNOX-1310, KETA-1340, WFTC-960; 1st TUE: KVOL-1330, KWRF-860, WGR-1290, WIOS-1480; 1st THU: WPAD-1450; 1st FRI: WHBG-1360, WWBZ-1360, WSLT-1520, KFVS-960, WJLK-1310, WPHG-980, WTTM-920, KVOX-1280. (cont'd)

1st SAT: WWLE-1170, WSHN-1550, WGRY-1590, WBRN-1460, WIRV-1550; 1st SUN.: KCII-1380, WMAY-970; 2nd MM: WCAZ-990; 3rd MM: KXEO-1340, KWKY-1150, WDIC-1430, KWLA-1530, WCLO-1260, KXLR-1150, WPJD-1550, WBTS-1480, WKIG-1580; 3rd FRI: WLYB-1250, WMNS-1360, WBBK-1260, KWAY-1470; 3rd SAT: KONI-1280, KSRA-960; 4th MM: KLMS-1480, WECB-1490; 4th TUE: WTAX-1240, 4th SUN: KCKW-1480, xxx 2nd WED.: WMOX-1010.

JULY (again) - 3rd MM: WPJD-1550; WORV-1580; WKIG-1580
JUNE 3rd MM: KWKY-1150

midnight to sunrise

540	WOTO-PL	Caught w/ET/TT, mx 0500-0530 8/9 (Hart)
600	WIDD-CT	Hrd l&c 8/2 2155-2215 w/ NASA pgm, mx, mx. (On for Apollo is what NASA pgm is, hi-RJE) (DiRicco)
+ 930	WJAI-FL	Hrd 8/23 w/ ID into mx 0100 (Page Taylor, Butler, N.J.) Hrd AN on 7/26 & 8/2 in/out w/ WPAT (Wes Boyd, Youngstown, Ohio)
+ 970	WBEH-NY	Off MM's 7/26 & 8/2 (Boyd)
	WKY -OK	Ditto WBEH (Boyd)
	WJAI	Weak rr u/ WPAT, WJAI MM 8/2, assume it may be wanted KHJ (Boyd)
	WWSW-NJ	"97-DJ" rr = WWSW 0250-0332 8/2, much more readable than as WJRZ, modulation just a wee bit stronger - about 75%, hi (Boyd)
960	CHEX-ON	Hrd l&c w/ WWSW off 7/25 0230-40 w/rr (DiRicco)
+ 1030	KTWO-WY	Hrd w/ CBC nx, SID0300 7/25. (DiRicco)
1190	KRDS-AZ	Hrd s/off 0255-0300 8/2 o/u XEQR(PT)
	KEX -OR	Hrd 0315 8/2 w/ c&w o/u KEX & KLIF (PT)
+ x 1150	KXLR-AR	ID thru mess 0400 nx, u/the mess in/out from 0337 (PT)
+ 1250	WREN-KS	Unr., but hrd 7/26 0600 s/on (MM) (Hart)
+ 1260	WEXY-OH	Hrd s/off SSB 0135 8/3, off AN?? (BOYD)
1270	KFJZ-TX	Off by 0100 MM 8/2, so maybe new owners are re-instating SP(B) Noted off 8/2, called, engr. sez 1st time in 2 yrs, NSP still holds, d rat 1 (Hart) (Hart)
	WHTT-PL	S/on copied weakly 0500 8/2, and another ID 0530 in KFJZ SP
	WTTD-VA	ET w/ instr. mx & c&w & OC 0220-35 wk u/WXYZ, etc.(Boyd)
1340	KOCT-OK	Hrd w/ET/TT, mx w/ TC 0313. (Hart) 8/9.
	KWNS-TX	Hrd s/off 0200 8/9 for new log (Hart)
	KLRK-TX	Had ET/TT/OC vy strong 0230-0330 8/9, also hrd 2nd MM in April, so maybe a r/c, expect card from CE soon. (Hart)
	WVID-NJ	Hrd well all AM 8/3 w/rr (DiRicco)
1360	WKMI-MI	Hrd 7/26 to 0100 s/off, leaving WIXZ & WBAY on RS (Boyd)
+ 1360	WSAI-OH	Off at 0055 SSB MM's 7/26 & 8.2 (Boyd)
+ 1400	WSYB-VT	Noted w/ instr. mx -OC & one ID thru WPLB-r/c 0100-19 8/2 (Boyd)
	KUNO-TX	Hrd 0200 s/off 7/26, called, sked is 0530-0100(0200 Sa, M) (Hart)
1420	WHK -OH	Off 0030 8/2 leaving WOC-KTOE-WBSM; (Boyd)
	WOC -IA	s/off 0105 8/2 (Boyd)
	WCOJ-PA	Hrd l&c w/ Phils BB 7/27 0015 (DiRicco)
1450	KVSL-AZ	ET/TT & TC's every 3 mins 0230-0245 8/2 (Hart)
	WMOG-TN	Wk ID in RS 0230 8/2 just bl above test clobbered it (Hart)
	WNPS-LA	Hrd 7/25 w/ SID, nx 0400 (DiRicco)
+ 1450	WPON-IL	Hrd w/ s/off 0105 8/6 (DiRicco) Hrd 2347-0015 tune-out well a-top freq. = to WOMB to latter's 0000 s/off. (Boyd)
+ 1470	WMOH-OH	Hrd on w/ RS past 0430 MM's 7/26, 8/2, so....(Boyd)
1550	WSHN-NH	Hrd w/ usual ET-mx prior to r/c 8/7 (PT, DiRicco)
1590	WCOE-VA	Hrd w/ ET-mx prior to r/c 0025-40+ smashing WETT-WAKR 7/26 (Boyd)
1600	WIMX-WD	Hrd 7/27 w/mx, SID 0100 (DiRicco)

daytime

1600 WTPP-OH Hrd s6 in WAQI null w/ WHLL off 1235 8/4 (Boyd)

sunset & evening

760 WCPS-NC Hrd potent w/ MoR 1945-2000 s/off w/ ~~ignn~~ 8/22 (PT)
 780 WCKB-NC Hrd 1945-2000 s/off 8/22 w/ NN (PT)
 WBBO-NC Hrd 2000 s/off u/WCKB 8/22 (PT)
 1010 WELK-VA Hrd 8/6 s/off 2015 from out of the mess (PT)
 1360 WEBB-MD Promo for "Now Sound on WEBB" 1937 8/19., NN format (PT)
 1560 WSMO-MD Hrd w/ Senators BB 1935 8/6 (PT)
 WADD-MY Up and over WQXR at times to s/off 8/21(RJE) 2015 is s/off.

Well, folk, thassit. Last minute stuff from Boyd, Lawrence is held over for next issue. W/ the students coming back again 9/13, it'll soon be back to work full-time & overtime again, as unfortunately, the job market made it impossible to do otherwise.

73s
[Handwritten signature]

SPECIAL PROGRAMS :

THURS. SEPT. 23 WNNJ-1360, Newton NJ, will conduct their irregular f/c. CE has been notified that we'll be watching for it, and I hope to get times by HQ deadline for BPC to insert. Reports to Harold Baumann, CE, WNNJ, Box 40, Newton, NJ 07860. (RJE)

MON. OCT. 3 or
 MON. OCT. 10 WDWL-1270 in Vineland, N.J. will be running their PoP one or the other of these two M's from 0001-0045. We may be able to pin it down next issue, but if it's 10/3, issue may not go out in time, so look both dates. Reports to Mr. Joseph Fitzgerald, c/o F.E.S. Communications Co., 2046 Mercy St., Philadelphia, Pa. 19145 or c/o WDWL (RJE)

570 WKBN-OH	SCH: SP TU 0100-0500	1240 WJEF-MD	SCH: 0500(0700)-0045; ADD: Box 399
580 WOFB-TN	ex-WRKH	WFTN-NH	SCH: 0545-0000
CKXR-BC	CP: 10000/1000 U2	WPNE-NC	SCH: 0600(0700)-2200(1900)
590 WVLK-KY	NET: A1	WCNC-NC	SCH: 0559(0729)-2315(2215)
610 CHNL-BC	CP: 10000/1000 U2	WWWC-NC	SCH: 0500(0600)-0000; ADD: Box 580
630 WLAP-KY	NET: C	WRNC-NC	SCH: 24 hrs., SP SU 0000-0600
680 WRNG-GA	NET: C	WQEN-OR	SCH: 0900-0200
WCBM-MD	NET: Ae	KFLY-OR	SCH: 0900-0300; ADD: 351 1/2 SW Madison
CFTR-ON	ex-CHFI; FWR: 10000/25000 U4	KTIX-OR	SCH: 0900(1000)-0200(2300) new call
710 WZOO-NC	CP is on.	CKBX-BC	SCH: S/off 0135.
CJRN-ON	CP: 5000/2500 U4 (po: 1600kHz.)	1250 WREN-KS	delete listing
790 KKON-HI	CP: 5000/5000 U1	1270 WJJC-WI	NET: M
850 WJJC-MN	CP is on	1280 WMRO-IL	ex-KWCB
WJAC-PA	SCH: 0530(0900)-0100(0000)	1300 KWCK-AR	new call
880 WCBS-NY	SCH: NSP	1310 WSLW-WV	SCH: SP: MM 0100-
900 CP -BC	Panicton , 1000 U3	1290 WFBC-PA	CP : U2
910 WRNL-VA	NET: A1	1320 WEET-VA	NET: Ae
920 KKLS-SD	ex-KEZU	1340 KPGE-AZ	(CP) Page, Az. : 1000/250 U1 (to replace deleted facilities of same stn., prev. deleted)
1000 WKBQ-NC	CP is on	KSFE-CA,	CP: 1000/250 U1
x 1010 KGMJ-CA	SCH: 24 hrs.	KQIL-CO	CP is on; SCH: 24 hrs.
1000 CP -OH	Parma, 500 D3	KSEK-KS	SCH: s/off 0200
1040 KIXL-TX	NET: delete	WDCR-NH	SCH: SP MM 0130-0230
1070 KENR-TX	CP is on.	WJRI-NC	SCH: 0500(0700)-0005
KNNN-TX	delete listing	WTSE-NC	SCH: 0545(0725)-0035(0010)
1080 WPNS-WV	CP is on.	WOOW-NC	SCH: 0600-0100
KRLD-TX	SCH: SP MM 0200-0545	WOXF-NC	SCH: 0600(0730)-2200(1830) ADD: Box 1111
1090 WISS-WI	CP is on.	WGNI-NC	SCH: 0530(0600 Sa, Su)-0000
1130 KBMR-ND	CP: 10000 D1 (po:1350)	KBBR-OR	SCH: 0900-0100(0000)
1140 CP -WA	Yakima, 98902; 1000 D1; 915 So. 31st Ave. (CP) Morro Bay, 500 D1	KOCY-OK	SCH: 24 hrs, SP MM 0100-0700
1150 KBAI-CA	SCH: MM s/on 0600	WOKE-SC	SCH: 0455-0015
KXLR-AR	CP is on. ADD: 424 Nichols Rd., ZIP: 6411	KVIC-TX	CP: 1000/250 U1
1190 KAYQ-MO	CP: 1000/500 U4	KLBK-TX	SCH: 24 hrs, SP MM 0100-0700
1230 KDAC-CA	SCH: S/off MM 0105	CP -NF	Wabush, Labrador, 250 U1
KXO -CA	CP: 1000/250 U1	KIHM-OK	CP is on.
KHDN-MT	SCH: 0745(1000)-0000(2200)	KTEO-TX	CP is on.
WTSV-NH	SCH: 0600(0700)-2310	WKMI-MI	SCH: s/off 0100 MM
WMOU-NH	ADD: delete	WSAI-OH	SCH: S/off 0035 MM
WSKY-NC	ADD: Box 1780	1370	
WFAI-NC	SCH: 0530(0615)-0015(0005)	1380	
KVAS-OR	SCH: 0900(1045)-0100(0300 Fri, Sa., 2300 Su)	KFRO-TX	SCH: s/off 2330 daily
KQIK-OR	ADD: Box 471	KPOI-HI	NET: Ac
CFGN-NF	new call	WYNK-LA	CP is on.
1240 KWLC-IA	SCH: 1000-1245; 2300-0100; (Sun - 0830-0100)	WTVR-VA	NET: C
KDEG-IA	SCH: 0700-1000; 1245-2300 Sil. Sunday		
KBIZ-IA	SCH: 0455(0700)-0000(2300)		

N.R.C. FREQUENCY CHECK LIST SUPPLEMENT #3 - 8/1/71

1400	KXIV-AZ	SCH: 24 hrs, SP MM 0300-0800	1450	WFBS-NC	SCH: 24 hrs, NSP
	KSLY-CA	CP is on.		KLBM-OR	SCH: 0900(1100)-0200(0000)
	KAOK-LA	SCH: 24 hrs SP MM 0100-0600		KAMY-TX	delete listing
	KBMI-NV	CP: 1000/250 U1		KAYC-TX	SCH: 24 hrs, NSP
	WBRL-NH	ADD: 40 Main St.	1490	KDXU-UT	SCH: 0800-0100
	KARR-MT	SCH: 24 hrs, SP MM 0200-0730; ZIP: 59403		CP -BC	Summerland, 1000/250 U1
	KCOG-IA	SCH: 0643(0759)-2305(0105 Fri, Sa, Su)		KBUR-IA	SCH: 0600(0700)-0100
	KVPD-IA	SCH: 0645(0700)-0100		KRIB-IA	SCH: 24 hrs, SP MM 0100-0630
	KXGN-MT	SCH: 0800(1000)-0000; ADD: 210 So. Douglas		KRUS-LA	SCH: 0600(0700)-0100
	WGBG-NC	SCH: 0500(0645)-0100(0000)		WSTP-NC	SCH: 0500(0700)-0000
	WTSI-NH	SCH: 0600-0000		WRMT-NC	SCH: 24 hrs
	WKDY-SC	ex-WHOQ	1500	WHSI-NC	NET: M
	KBJM-SD	ANT: SH1		KRNR-OR	SCH: 0800(1000)-0000
	KTFS-TX	SCH: 0600(0700)-0200(0100)	1510		ADD: Box 668
	KUNO-TX	SCH: 0530-0100(0200 Sa,Su)		CP -BC	Hope, 250 U1
	WWOC-VA	ex-WHIH; SCH: 24 hrs SP MM		KBBQ-CA	FWR: 10000/1000
	CP -BC	Princeton, 1000/250 U1	1520	WKXO-KY	CP is on.
1410	KAHL-NB	ex-KNOP		WLGN-OH	NET: M
	WIZM-WI	ex-WKBH	1530	WLAC-TN	SCH: SP MM 0230-0530
1430	WNJR-NJ	SCH: 24 hrs, NSP		CP -MO	Ironton; 250 D3
	WVAM-PA	NET: M		WINW-OH	ADD: 4111 Martindale Rd., N.E.
	KLO -UT	CP: U2	1540	WCKY-OH	SCH: MM s/off 0040
	KCLK-WA	CP is on.	1550	WTHO-GA	CP is on.
1440	KOKY-AR	NET: M		CP -PA	McConnellsburg, 1000 D1
	WBJW-FL	ex-WAER		KISA-HI	new call
1450	KPSI-CA	SCH: 24 hrs;		WOKJ-MS	SCH: 24 hrs, SP MM 0200-0600
	KOWN-CA	CP: 1000/250 U1	1570	GBE -ON	SCH: 0500-0110
	WVJB-FL	SCH: 0630(0800)-1830; CP: 1000/250 SH 1	1580	WNDI-IN	ex-WKQV
	WSTU-FL	CP is on.	1590	WBUX-PA	NET: M
	WTHU-MD	SCH: 0500(0700)-0000	1590	WHII-MS	CP is on.
	WTBO-MD	SCH: 0600(0800)-0000		WPUV-VA	NET: A1
	KVCK-MT	SCH: 0800(1000)-0000(2200)		KXEM-CA	CP is on.
	KUDI-MT	SCH: 24 hrs, SP MM 0200-0700	1600	WEEZ-PA	SCH: 24 hrs
	KOBE-NM	CP is on.		KEND-TX	ex-KCBD
	WHIT-NC	SCH: 24 hrs, SP MM 0000-0500; ZIP: 28560		WGOE-VA	ADD: 159 E. Belt Blvd.
	WISZ-NC	SCH: 0600-0000; ADD: Box 1299		WPOM-FL	ex-WXVI

NEXT UPDATER WILL APPEAR IN MID OCTOBER 1971. -RJE

LAST-MINUTE INFO FROM K & E :

680	KWKA-NM	CP is on	1240	WTWA-GA	CP is on
780	KNOM-AK	CP is on	x 1230	KGRO-TX	CP is on
790	CP -NF	Port aux Choix, 1000 U3	x 1400	WHDF-MI	CP: 1000/250 U1
990	KTRG-HI	delete listing	x	KILE-TX	CP: 1000/250 U1
1110	WGRG-MA	ex-WIOM (CP)	1340	KCAT-AR	CP: 1000/250 U1, po1530
1170	CP -MN	Waseca, 1000 D1	1360	KOHU-OR	CP: 1000 U2, po: 1570
	KJNP-AK	CP is on: 50kw U2		KZIQ-CA	ex-KRCK
1210	CFFB-NWT	CP: 250 U1, po:1200kHz.	1400	WBMA-NC	CP is on.
1240	WSEW-PA	CP is on (really !)	1400	KJQ-CA	CP: U1
	KWJB-AZ	new call	1470	KLCL-LA	ex-KPLC

This list concluded last DDxD

<u>1st of Month</u>		<u>3rd Thursday</u>	
0505-0520	KQWB MD 1550 T	x 0105-0120	WTIQ MI 1490 T S
<u>1st Monday</u>		<u>3rd Saturday</u>	
x 0015-0030	WREB NC 1390 T	0440-0455	*KSLA LA 1230 T
0135-0150	WBCW IN 1230 T S	<u>4th Monday</u>	
x 0045-0100	*WEVA VA 860 T S	x 0045-0100	*WQCE VA 1590 T S
0545-0600	*KZNG AR 1340 T	0100-0110	*KILE TX 1400 T
<u>1st Tuesday</u>		x 0110-0125	*KOZA TX 1230 T (250 w. XR)
0600-0610	WJBM IL 1480 TO	0145-0200	*WHYL PA 960 M
<u>1st Wednesday</u>		0415-0430	*WNAT MS 1450 TM
0415-0430	*KANE LA 1240 T	<u>Last Monday</u>	
<u>1st Thursday</u>		0330-0345	*KTNM NM 1400 T (Q3,6,9,12)
0345-0400	WSVL IN 1520 T	<u>4th Monday (cont'd)</u>	
<u>1st Saturday</u>		x 0115-0130	*KMPR TX 1260 T (odd mos.)
0215-0230	*KDOK TX 1490 T	<u>4th Friday</u>	
0640-0655	*KTXX TX 1500 T	x 0215-0230	*KPOS TX 1370 T
<u>2nd Monday</u>		(delete "Q3" as prev. listed)	
0200-	WIKY OH 1260 TO	NEW ABBREVIATIONS: Capital "S" denotes	
<u>2nd Thursday</u>		check is made on standard time all	
0245-0300	*WYDE AL 850 t	year round. This notation should be	
<u>2nd Saturday</u>		added to all checks originating from	
0020-0035	WGHQ NY 920 TO	the state of Michigan, and also, all	
0100-0115	*KXIT TX 1410 T	from Indiana, both of which have given	
<u>2nd Sunday</u>		up on "Daylight" time.	
x 0145-0200	*KLAR TX 1300 T (even mos.)	<u>2nd Tuesday</u>	
<u>2nd Sunday</u>		0010-0020	
0445-0500	WGOH KY 1370 T	(may be weekly check)	
<u>3rd Tuesday</u>		x 0045-0100	
0010-0020	WESB PA 1490 T	*WHOL PA 1600 T	
<u>3rd Tuesday</u>		(re-correct)	
x 0045-0100	*WHOL PA 1600 T		



SPECIAL NOTICE FROM GILFER ASSOCIATES. We have received a letter from NRC member and Gilfer President Perry Ferrell asking us to publish the fact that Todd Graves of SWL GUIDE is not and never has been a representative of Gilfer Associates. According to a letter from an unhappy Graves customer (a copy of which was forwarded to NRC HQ), this individual has claimed to be a Gilfer sales agent. This is not the case and NRC'ers should please take note...

REPORTEDLY IN OPERATION

SOUTH KOREA. HLSA noted in New Zealand on 968 kHz. (NZDXRA)

PHILIPPINES. DXSY noted on the amusing split freq of 1205 in New Zealand; just might make it to the West Coast on such a nice clear channel. (NZDXRA)

IRAN. Test transmissions consisting of music and relays of Tehran Home Service programming are currently being aired on 841 kHz 0825-2030; the location and power are unknown but it appears to be a fairly powerful outlet. (Editor)

CLANDESTINE (EAST PAKISTAN?). Radio Bangla Desh is audible over much of the Indian Subcontinent on about 820 kHz; further information is requested. (Editor)

MALTA. Radio Malta has begun test transmissions on 998 kHz using a transmitter supplied to the Malta Government by the German station Deutsche Welle. Another MW station is to begin testing on 1570 kHz soon; it will be a DW relay. (SCDX)

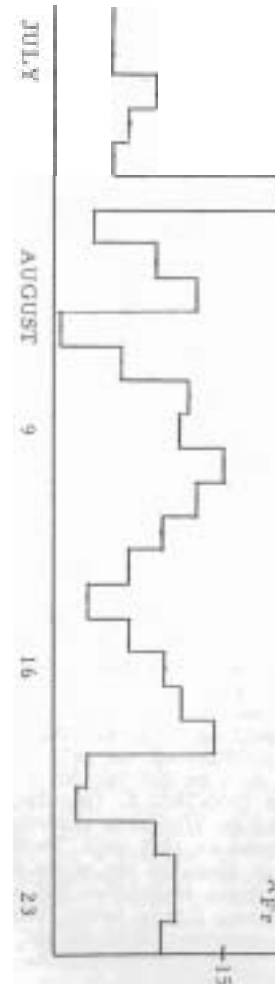
CUBA. A verification letter has been received in New Zealand for CMW signed by Engineer Joel Rarell, Department Principal, Technical Control. Might be a useful contact for U.S. reception reports? (NZDXRA)

PLANS, RUMORS, AND GOSSIP...

ZAMBIA. Fifteen vehicles carrying the first two superpower radio transmitters from China to boost Zambia's broadcasting services are now in Dar el Salaam on their way to Zambia. **The Minister of Broadcasting** said they will arrive any time now but would not give an exact date; he added that a third transmitter will follow later. **The buildings, 13 kilometers from Lusaka on the old Mumbwa road, were completed in January.** A four man Chinese survey group arrived earlier in the year; while the area is still off limits, towers are going up and the press will be invited in to watch the work when the transmitter convoy arrives. When this one takes to the air we'll have our first really good shot at East Africa if they choose a favorable channel... (Editor)

JAPAN. The summer supplement of WRTVH shows JOUB-770 as 500 kw; it's not clear if this power is in use now or is projected; for further info on the upcoming Japanese power boosts, see recent issues of DX NEWS. (Note to New Jersey DX'ers: forget it...)

SPACE PERMITTING, WE PLAN TO RUN THE ENTIRE EBU LIST OF EUROPEAN MW STATIONS NEXT ISSUE. This is not the public Quarterly Report, but the actual internal monitoring report for September showing the exact frequencies for all stations monitored. What better way to start out what promises to be the best Transatlantic season in several years?



This graph shows the daily values of $A_p F_2$, the Ferraro index of geomagnetic/auroral disturbance in the Earth's magnetic field. High values of A_p occur during a heavy influx of electrically charged particles into the upper atmosphere as the result of certain types of solar disturbances. The medium-wave signal absorption produced by one of these events is strongest in high latitudes and persists for some days following the initial particle influx. Values of A_p above about 20 are invariably associated with high levels of absorption along high-latitude TA and TP signal paths. Very high values (above about 40) are usually accompanied by 8-layer blanketing over North America and Europe; on such a night stations from the South will appear to dominate most channels. Long periods of low geomagnetic/auroral activity are necessary but not sufficient to guarantee excellent high latitude TA and TP reception - other ionospheric effects such as the "Midwinter Anomaly" may effectively mask what would otherwise be periods of excellent reception on high latitude paths during periods of continued low geomagnetic/auroral activity.



Receptions:

- ** 550 Philippines. DWKY off freq; in Filipino dialect, music for lovers and ID as DWKY-560 at 1843 7/12. (Bundy, Truk, E.C.I.)
- 630 Australia. 4QN, Townsville, Qld. barely audible in daytime reception at 1,865 miles at 0438, or, 2:38 PM here on 7/4. (Bundy)
- 650 Cuba. CMKU, Santiago de Cuba, "Radio Liberacion" has not been hrd here for awhile; suspect it moved, likely behind a parallel. (Schatz, Fla.)
- 705 unID, but perhaps Saudi Arabia, comedy in Arabic, laughter after nearly every sentence at 1850 on 7/12. (Bundy)
- 765 El Salvador. YSKL exclnt with frequent "Cadena K-L" IDs 0530 7/25 with a rare WABC SP. The 770 outlet was also noted o/u a potent RJR and a HJ. Taped. (Page Taylor, NJ)
- 770 Jamaica. RJR dominant all night 7/25 with soul and jazz pgmg, had a SID at 0735 as "Radio RJR, 7-7-0 Mandeville" per tape. That name is "Man-duh-ville" pronouncing all syllables. (Taylor, NJ)
- 840 Cuba. CMHW Santa Clara "Dobleve, la frecuencia del azucar" is being jammed with a "willie-willie" type QRM that's equal in strength to the station. Jamming noted both in Miami and Nassau with different receivers. Also, it is hrd days only. Cesar Objio: what do you hear here? (Schatz, Fla.)
- ** 860 New Guinea. 9MD, Madang first hrd 0545 on 7/11 parallel 9520 in a barely audible daytime reception. Since then, they are here every evening with good signals and are // 1250 and 4890. Call and QTH are surmised from a recent DX News (p. 23, 5/15/71-ed) as I haven't hrd them mentioned over the air while I have been listening. At 960 miles, this makes 9 MW stns within 1000 miles. (Bundy, Truk) (Incidentally I saw a recent item to the effect that Papua and the Terr. of N.G. have consolidated their administration, seemingly this would make these two countries now one-ed.)
- ** 900 New Guinea. 9GR, Goroka first hrd 0745 on 7/17 and was // 860 and 1250 and was by far the weakest of the 3 freqs. ID at 0800 made no mention of either 860 or 900. (Bundy, Truk)
- 910 Haiti. Radio Nouveau Monde, Port-au-Prince carries some Spanish, at least on Sat eves here, 0130-0155 Sundays Z. Girl gives SS ID as "RMN", likely their callsign. Still the strongest "catvay" in Miami. (Schatz Fla.)
- 1088 Nigeria. Lagos beginning talking drum IS about 0425 folo by ID and news in Eng at 0430. Taped. The IS is identical to the one publ in WRTVH and seems to penetrate the noise level as well as CW does. (Taylor, NJ)
- ** 1090 Mexico. Official call here is XEPRS ex-XERB; they now call themselves XPRS as in the "Soul Express"; annc as soul mx 24hr per day and apparently eliminating the Spanish formerly hrd 1100-1400 Z. (Hardison, Clf.)
- 1106 unID ME in AA-like lang first noted 1912 on 7/10 with western instr mx, chimes, ID, mx interlude at 1914 then news at 1915 with "Ka-bool" ment many times, to 1924 then mx, then French song, 12 sec piano mx and off the air at 1928. I think the ID is for Radio Afghanistan but am not sure. I have hrd this nearly every morning since. I have noted news or commentary at 1815 and mx from 1830 to 1915, sometimes Western and other times mid-Eastern. Noted at 1706 on 7/16 but local QRN too high to make anything out. (Bundy, Truk)
- 1180 Brazil. PRE3, Rio de Janeiro. Radio Globo excellent 7/11 o/u the XE with a mixture of Brazilian dance mx and US MoR, 0900; was even better 7/25 with sambas, Engelbert Humperdinck cut in Eng 0640 way over the XE; ID pronounced "Rad-yoo GLO-boo, Rio". WHAM off for sked SP. Taped. (Taylor, NJ)
- 1210 Haiti. Radio Progres, Port-au-Prince 4VDS noted faintly but there while relaying RMN-910 (and the great P-a-P vs. Pétionville soccer match) one rwcent Sat eve. The Cutan ticker was merciless, tho. (Schatz, Fla.)
- ** 1268 South Africa. The Silverton MW station near Pretoria was closed down some-

(cont'd)

- 1268 sometime around May. It operated on 1097, 1268 (hrd in Europe and No. America-rew) and 1439. This is evidently the first of the heralded closings of MW stations in South Africa which was announced 10 years ago. I wrote S.A. than and they said, "don't worry, it won't be done for 10 years yet. But time flies and the 10 years are up. As more medium wave stations there close down, South Africa will become one of the finest DX locations in the world from the standpoint of local QRM. But you wouldn't think it, judging from some blatantly fake reports I have seen at several U.S. stations coming from South Africa. (Wood, Louisiana)
- 1295 unID, likely African, noted with feeble signal and no detectable audio 7/12 and completely out by 0630. GPN suggested Niger but an ESE DF angle make Angola worth considering. (Schatz, Fla)
- 1358 Nigeria. Ibadan noted several times with tone, s/on chimes and news at 0430, excellent signals, 7/19 was notable. (Taylor, NJ)
- 1402.7 Guinea. Conakry noted with best signal ever and good audio during a newscast in French 0605 7/15; was better than at any time last season. (Schatz) (Hopefully a good sign portending an improved DX season this yr-ed)
- ** 1405 unID. South American, likely Peru, Ecuador, Colombia and Bolivia in that order of probability. Noted AN Sunday 7/18 and Tue 7/20, was off 7/19 and 21. Signal was quite weak with heavy fading and was hard to ID. Dee-jay type show with all Andean music including some Peruvian "valsas" and suspect Iquitos, a place that looks quite enticing (?-ed) on the map.
- ** 1418 China, P.R. unlisted, very weak, detectable only (Schatz) by using lower sideband mode, man talking in Chinese and was // 560, 580, 645, 980, 1340 and 1518. (Bundy, Truk)
- ** 1432 Mali? Bamako believed to be the one with west African mx noted 7/15 to 0630 fadeout. DF bears out suspected location. Much QRM from HJBH which was near 1431. Logged some time ago but nice to hear again. (Schatz)
- ** 1440 Marshall I. Regarding my recent report on WSZO their s/on amnt on 6/29 seemed to give 1000 watts rather than 10,000. This would explain their poor reception here. Either my ears were playing tricks on me, or they may have been trying out their new jingles. I believe WSZD-1450 on Ponape is still 1000 watts despite WRTVH listing them as 10 kw. I am writing both stations and getting info on these. (Bundy, Truk)
- ** 1457 England, tentative. 2 stations very weak, fading together at 70 beats/min (About 1.2 Hz-ed) at 1940 7/15, pop mx then chimes and "BBC World Service" hrd. Could not make anything else out with the local dawn coming. At 1911 on 7/16 hrd operative mx under JOWF splash using LSB mode. If this is England, then it is the longest reception of the summer. London is 8,025 miles from Truk. (Bundy)
- 1502 Senegal. Dakar relay noted here at s/on 0600 7/2, good in French. (Taylor)
- 1538 Senegal. Regional outlet noted fair to good 0615 7/19, French. (Taylor)
- ** 1554 Gabon. Libreville probably the one noted by GPN and myself on 7/19 (see last months DX News-ed) with tone on at 0424 folo by patches of IS and an apparent s/on by 0030. Bearing was correct; traces of Nice under. (Taylor)
- ** 1578 Ivory Coast. Abidjan presumably the one here with traces of IS, s/on 0555-0600, fair on 7/2, better on 7/30. DF accurate for Abidjan and fade-out occurred about 0210 which jibes with E-20 time for Ivory Coast. Did not get a positive ID so will not count it. (Taylor, NJ)
- ** 1595 Philippines. DYDR varying about 1 kHz from about 1000 to 1600 s/off with girl deejay in Eng with pop mx and ads. S/off ID gave assigned freq of 1590. First hrd on 7/6 and nightly until 7/12 and not hrd since; it is possible that they received my report on 7/12! (Bundy, Truk)
- Modification of CP- KYUK, Bethel, Alaska. Broadcast Br. grtd mod. of CP to add 5 nighttime operation, change hours to unlt., change studio and remote control location to Unit 109, Bethel Heights, Bethel. Action 7/30. (Broadcasting8/16)
- Final Action- KKON Kealahueka, Hawaii- Broadcast Bureau grtd CP to increase pwr to 5 kw, change xmtr, install remote control. Action 6/22. (de Brdg 7/5)
- Call letter application- Hagadone Capital Corp, Honolulu requests KISA. (Brdg 7/5)

(BBC Cyprus Relay station according to EBU - GPN)

Goombay Changes in the Bahamas..

- 1) Before the end of the year, ZNS 1540 will boost power to 20 kw and go directional with a 2-tower array. Major lobe 130°. Signal toward Miami and the USA not expected to change much.
- 2) A new station for Freeport, Grand Bahama, running 10 kw and highly directional to 100° with a 4-tower array, to serve Grand Bahama and Abaco. Location is 60 miles east of West Palm Beach which will be in the heart of the station's null. Possible calls are ZFP or ZGB, freq yet to be determined.
- 3) A relay of ZNS-1540 for Exuma, also 10 kw with a 4-tower array beaming ESE to cover the southern Bahamas. Frequency yet to be determined.
- 4) ZNS2 on 1240 has already reduced power to some 750 watts to avoid interference via external mixing to a local Coast Guard emergency frequency. Sked is 0700-2300 local time (s/on 8 AM sundays, LT) but carrier is never off. Incidentally ZNS-FM (107.1) and NZS2-FM (107.9) are only 50 watts each and are used as STL's.

--Ron (Goombay Nassau) Schatz

Overseas Mailbag

MM 7/18 (GMT) or, 7/19 local time - truly a just miserable night, should have stayed in bed. Highest atmospheric noise level of the summer. (Interesting this was around the time that GPN and PT were getting good African reception -ed.) I now have a space magnet but am not about to discard the long wire as it enables me to pick up WSZD, Ponape and WSZA, Yap without crossmodulation from local WSZC. It seems to pick up more noise and less signal than the long wire. The nulls dont seem to be deep enough to do any good. Of course most of the stations I listen to are in the same general direction. Another development on the local scene is a water pump with worn brushes. The noise is traveling along, and being radiated by, the power lines. I am tempted to do a little "wire cutting" but there are several families, including myself which need the pump for water. I'll probably have to shell out another 65 dollars for the noise blander..... I wonder if you could recommend a Middle East expert who could make out the ID of my 1106 mystery, which I have recorded on a tape cassette. ... WSZO-1440 and WSZD-1450 were still 1000 watts, per amts, as of July; WSZO is a slow verifier. ... Gear is a SPR-4 with 250 foot LW: the Space Magnet is used with backup rcvr, a Realistic DX-150. - Bob Bundy, Box 114, Truk, E.C.I. 96942

Let it never be said that summer DX has died. Had some splendid openings to West Africa and a minor opening to DSA. Rcvr is a SX-130 and a Space Magnet, and after 20 years of DXing I have finally concluded that one can hear just about anything if they listen at the right time (emphasis original-ed.) with some degree of scientific planning. A set of IRCA worldwide SR/SS maps certainly helps, as does a self-made list of sign-on times for the Africans. -Page Taylor, Butler, New Jersey 07405. Page, I put your remarks on the Overseas Mailbag because your QTH is so "far out", at least, from NYC anyway, hi -ed. I wish if I may, to draw comparison between these 2 reports. Both Page and Bob are using Space Magnets. The presence of a powerful local on one case and the absence of one in the other make a great deal of difference here, the factor that is involved here is the susceptibility to overload in the presence of locals that can be exhibited by bipolar transistors. These points have been covered in detail in past issues of DX News (12/19/70, 1/23/71 etc.) but this seemed to be an apt illustration of the "remoteness" factor involved in using these antennas.

If there is sufficient interest I can arrange a couple of VoA-1178 SM tests for the EC this fall, have been talking to George Jacobs who is in charge (Jacobs is W3ASK, if I recall; Ross is W9BG - Ed.-who is K2EUH but inactive) and the ops at Okuma; they think we should wait no longer. Have written an official letter of request to George's office. We COULD try for 10/31 about 0900; Gordon and George can figure it out.

-Ross Hensch, Wisc.

LONG WAVE DXers will be interested in an item appearing on page 45 of the July 26 issue of Broadcasting magazine concerning the Decision Information Distribution System, called DIDS. This would comprise a national warning system with the ability to "capture control of TV and radio transmitters, especially at those times that stations are off the air", a move that the National Association of Broadcasters has gone on record as opposing.

Technical particulars as described in the article call for a prototype transmitter to be built at Edgewood Arsenal, Md by Westinghouse at a \$2.7 mil cost. It calls for the construction of a 50 kw transmitter on 179.0 kHz and a 700 foot antenna by July 1972 to transmit voice, teletype or triggering tones over a 3 kHz (bandwidth) channel, according to Broadcasting. The contract also calls for installation of 500 special receivers in an area ranging from West Virginia to Connecticut, with 1600 additional receivers to be operational the following summer. Two other stations, in Arkansas and Colorado, are being planned. Existing plans call for installation of special DIDS receivers in television sets, "estimated to cost about \$8.70 at the factory under mass production" that would respond to tones broadcast from DIDS stations, even when the TV set at home is turned off. The FCC reportedly is looking for a way to include this ability in radio receivers, in addition to TV sets. -ed. (Can you imagine the havoc caused by your friendly neighborhood bootlegger with homebuilt LW xmtrs and an audio oscillator or two in the basement? No trx)

Presstime- Uruguay. Radio Oriental, 770, listed as 135 kw in IDXD #31, is probably the combined total of several transmitters (MW, SW and FM) and not the 770 pwr. Such power claims are often made in Latin America. (Wood, La.)

** Mali. Yes, regular s/on, as observed on SW, is 0500 now, not 0600. (Wood, La.)

Comments on GMT vs. EST

From QST magazine, November 1970 - No doubt we are going to have confusion regarding what time it is as long as man insists on connecting, although in a general way, the hands of his clock to the position of the sun in the sky. Some years back the Board of Directors ordered all references to times in QST and other League publications to be in GMT. In complying with this, a number of difficulties were encountered and much confusion ensued. Added to the confusion was the fact that there is no "Daylight Saving GMT". That is, if you are stating time in GMT you can't just say that you use the same time by your clock when the nation advances its clock an hour to kid itself that it is doing everything at the same time as before. GMT says you are doing it an hour earlier, and no nonsense about it. Thus you do things by the same time on your local clocks, but an hour earlier by GMT. It's bad enough that we have standard time zones (seven of 'em in the U.S. alone) without moving all of them one zone East every October and moving them all back west every April. We amateurs (read: DXers-ed.) don't deal in local communications and should be aloof from all this. The airlines and the broadcast networks have to show their schedules in local time because they deal exclusively with the general public. We don't. In amateur-to-amateur work and talk we should talk GMT. In other words, we amateurs should be bi-lingual in time so that we can immediately state the time in either local time or GMT, depending on whom we are talking to - and we should be aware of the date and day that go with the time expressed. There is no "trick" to it. All that it requires is practice. Electric clocks are relatively inexpensive; why not two of them in your shack, one on local time and one on GMT? Then do some practicing of instant conversion of AM-PM times to the 24-hour version, converting to and from GMT and stop thinking of terms like morning, afternoon etc. when you go GMT. For example, 2100 EST is not 0200 "the next morning" by GMT, it's just 0200 the following day. In the EST zone, 0200 just happens to fall in the evening; elsewhere it might be "afternoon" or "morning". The position of the sun in the sky has no effect on GMT. No one can really learn a foreign language if he has to translate it to his native language before he can understand. You are not going to master GMT, either, if you have to translate it to local time. You have to train yourself to think GMT, until you are as at home with it as with your local clocktime. (This was from QST magazine; of course the comments were for amateurs but readily valid here)