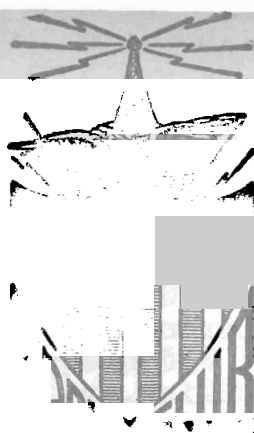


DX News



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BROOKLYN 26, N. Y.

PETER V. TAYLOR, EDITOR
"INTERNATIONAL DX DIGEST"
(SEE QRA ATOP DIGEST SECTION)

PUBLISHED BY THE

NATIONAL RADIO CLUB

ISSUED WEEKLY DURING DX SEASON - \$4.00 PER YEAR - 34 ISSUES

Volume 31 - Number 33

Our Thirty-First Season

July 18, 1964

NEW MEMBERS

CHARLES R. BLUMH (New Jersey)	HAROLD FORMAN (New Jersey)
CHARLES MOHR Jr. (New York)	JOHN T. HUNT (Pennsylvania)
ROBERT DU VALL (California)	ANDREW RICE (Ohio)
HERBERT PAPENFUSS (Michigan)	ART BLAIR (Ohio)

RENEWALS

WILLIS K. LEVIS	STANWOOD R. MORSS	PETER N. RIZZO
LARRY B. GODWIN	DAVID A. HASTINGS	JOSEPH FELA Jr.
LARRY BASSETT	KEN F. BORDEN	ERIC A. BRISTOW

DX CABFEST IN SAN MATEO

It will be at the home of Bill Wilson, on August 1, a Saturday, from noon to 5 or 6pm PDT. A large turnout is hoped for, so if you can be there, please contact Rich Heald, 733 Arbor Drive, San Leandro, California, 94577. We hope lots of guys will be there for a lively afternoon of DX talk and fun. Rich will send you directions.

PARTIAL DOMESTIC CONTEST STANDINGS, from E. Wesolowski

<u>STATES / PROVINCES</u>	<u>TP-SP-DX</u>	<u>LETTINGWAMA</u>	<u>TP</u>
1. Joe Fela, New Jersey	205-43-23	1. John Tracy, Colorado	50
2. Ken Butterfield, Michigan	188-41-15	2. Joe Fela, New Jersey	48
3. David Pope, South Carolina	154-37-16	3. Paul Hoffman, Ohio	42
4. Ray Kraul, Illinois	151-37-14	4. William Woodfield, Virginia	25
5. Kent Shirley, Indiana	127-31-10	David Pope, South Carolina	25
6. Ev Johnson, Illinois	125-34-11	Ray Kraul, Illinois	25
7. William Woodfield, Virginia	123-36-3	7. Kent Shirley, Indiana	24
8. John Tracy, Colorado	122-38-0	Ev Johnson, Illinois	24
9. Ernie Wesolowski, Nebraska	116-29-13	Larry Cowles, Kentucky	24
10. Roger Winsor, Illinois	114-33-5	10. John Hathaway, Texas	23
11. Frank Wheeler, Pennsylvania	105-21-16	R. A. Karchevski, Massachusetts	23
		12. Ernie Wesolowski, Nebraska	23

Thanks to all who have done a good showing so far. No new loggings may be counted after 11:59pm on 7/15. You have until 8/15 to get the stations verified and they must be reported to me by at least 8/22. The final totals will be in the September issue & ~~for~~ those attending the Buffalo Convention, they will be able to see how everyone has done, state by state. So far, the two mystery stations have NOT been found. This will be my last season as Contest Manager. If you are interested to be Contest Manager next season, please write to HQ soon, asking for such. -Ernest J. Wesolowski, 1416 Pasadena Avenue, Omaha, Nebraska, 68107.

/ NEXT ISSUE IN FOUR WEEKS, 8/15.

/ DEADLINES, TUESDAY, 8/11.

B U F F A L O / PLEASE SEND IN YOUR DX DOINGS!

New York's second largest city is served by major air, bus, and train lines, and by major highways as well. There should be no problem in getting there for the big NRC Convention, over Labor Day weekend, Sept. 4-5-6-7, and there will be fun galore, as well as a scenic trip to Honeymoon Land, Niagara Falls! To anyone who has never had the thrill of seeing this Wonder of Nature in person, a real never-to-be-forgotten day is near at hand for you! See more details elsewhere in this issue for Convention News!

V E R I E S I G N E R S

540	WmYfL O	Joseph Waters,CE	BK	1260	W C H V	Harold Wright,E	B
550	RpJ R	H.B.Clark,StE	E	1270	WqL B R	Wm.Zehring,CE	L
	WqShVmA	Thomas B.Jones,CE	K		K C O K	Kieth Munger,P	C
560	WqI N D	Kenneth E.Shirk,CE	HK		WqH B F	Robt.Jinnett,CE	A
610	WqD A F	C.A.Dolermo	A	1280	W M R O	unsigned	G
630	WqP R O	Gilbert W.Johnson,CE	L		W C P M	George Bibb,CE	D
680	WqP T F	Henry Hulick,Jr.	AL	1290	WqT U X	Donald R.	
690	K G G F	Bob McBride,PD	A			Mathewson,PD	L
730	C K L G	Peter Mackintosh,CE	C		K G V O	Dave McNair,PD	C
740	WfN O P	Chas.Hettesheimer,CE	K		W T O C	Kyle E.Goodman,CE	
760	WqJ R	unsigned	A	1320	C H Q M	T.J.Garner,ProdM	C
770	WqA B C	John Bourcier	C		W AfG F	Thos.J.Sabiston,Jr	
790	K A B C	Art Sterman	C			CE	E
	WfF U N	Paul B.Gram,CE	H		WcK AsP	Chas.E.LaBar,CE	L
810	K C M O	Karl Troeglen,TD	K	1340	WhN B S	C.H.Hulse	I
	WqG Y	unsigned	A	1350	KmM A N	Wm.Ball,CE	G
820	W EqA P	Ray Bacus,GM	H		K G H F	Tony Mejia,CE	C
840	W H A S	O.W.Towner,DoE	HK	1360	W E B B	Wiley E.Daniels,Jr	
860	KqO N O	W.A.Kiley,CE	A	1360		PD	D
	CqJ B C	unsigned	A		WqS A I	unsigned	A
880	W R R Z	James Tew, PD	A	1370	WfC O A	Chuck Plummer,CE	A
900	CmJ V I	Bill Allen	G	1380	K G M S	Pauline Brown	C
910	K LhSmI	Fred Frank,CE	G		W B B X	Leo Boiswert,CE	F
	W R K L	Hank Feinberg	J	1390	WqC S C	A.R.Hughes,CE	A
	WrO R D	C.J.McClure,CE	A	1400	WqJhL B	G,E.Ryan,CE	G
920	W B A A	John R.DeCamp,M	HK	1410	WqI N G	unsigned	A
	K F N F	J.D.Glasgo,DJ	G	1440	C K P M	W.Dowhan	F
930	W J A X	J.W.Douglass,GM	A		K M E D	Ellis Feinstein,	
	WfH O N	James Green, CE	H			CE	C
	K N G L	A.L.(Roy) Bray, O-M	C		WqR O K	Maury Nelson,CE	H
	CqJ C A	G.Skutle, C.Tech	C	1470	W R G A	Mather M. Payne,GM	
940	K W R C	Byron Stephenson,M	C	1480	WqM D D	C.Soto Perez,CE	E
	K I O A	Bert Auten	H	1500	KqS T P	F.L.Street,CE	K
960	W R F C	L.H.Christian,GM	A		WqT O P	Grahville Klink,Jr	
	WfB R C	Norman S.Hurley,E	A	1510	WqJ R C	Jon Woods	F
	W S B T	Scott N.Hagenau,CE	H		W A U K	Adin E.Randall,CE	
990	K RmS L	Bill Hanrahan,CE	G	1520	K O L M	Don Erdman,E	I
	X E C L	Richard L.Venturino	C		WqD G L	Terrence J.	
1010	WqM O X	Monroe Looney,SM	A		XXXXXXXXXXXXXXXXXXXXXXXXXXXX		
1050	CqJ I C	unsigned	K			Gladden,CE	BI
	K L U C	James Flint,CE	C		KfG O N	James Jobes	C
1070	WqI B C	Clifford Luke,CE	H		WrC H E	Edward L.Sheam,GM	
1080	WqT I C	Herman D.Taylor,CE	H		W SmV L	Edw.W.Roehling	A
	KqR L D	B.B.Honeycutt,CE	A	1530	W L C B	John A.Abbott,M	E
1090	KqA A Y	Felix McDonald,CE	A		W EhR X	DouglasW.Beaudoin,	
	K I N G	A.A.Shultz,CE	K			CE	I
1140	KrR A K	Robt. E. Shafer,CE	K	1550	KhEmD D	David Orienti,CE	G
	K S O O	Max E.Pierce , TD	K		K I C S	Richard Luth,CE	C
1160	WqJ J D	Herman L. Gunther,CE	H		CqB E	S.House	K
1230	W E E X	Robt.A.Francett	L	1560	WqD X R	EarlAbernathy,CE	A
	K P R L	Ron Greenslate,SM	C		K B I B	W.O.Vernon,CE	F
1240	K F L Y	Jas.L.Hutchins,CE-P	C		W A G C	JerryThrasher,CE	C
	W T O N	Chas.P.Blackley,CE	B	1570	W ThL K	Tom Herndon	F
1250	CmH W O	A.K.Weitzell,Dir.TOp	F	1580	W PrGmC	B.Burch	F
	WfR Y T	Jas.H. Greenwood,CE	K		K B G O	Roger Thomas,CE	C
	W R E N	Max Falkenstein,GM	A				
1260	WY/W D C	Ross Beville,VP-E	A				
	WqT J H	L.E.McKinney	A				

more on page 3 -----

790	CqK S O	unsigned	L	1170	WqW V A	unsigned	A
850	WhK I X	Larry J. Gardner, TD	K	1540	Z N S-1	Kim Jackson, AM	A
1000	WqC F L	Jack McKay, CE	AH	1590	KqY O K	David Armstrong, CE	A
1100	KqY W	unsigned	K		W L F A	Carolyn Putnam, TM	A
1130	WqN E W	M.J. Weiner, CE	H		W V N A	James Hall, M	A

C R E D I T S

A- R. Verner	D- L. Kruse	G- C. Dabelstein
B- E. Johnson	E- R. Schiller	H- W. Bens
C- R. Pietsch	F- R. Cochran	I- E. Cooper
J- A. Nissen	K- D. Eggert	L- R. Edmunds

I M P O R T A N T N O T I C E

Since mail service from here to Buffalo seems to be slow, the deadline for the August 15 DX News Verie-Signers Section will be Friday, August 7th. Lets get two solid pages next time! Also, may I again ask you to list your signers in order of frequency, in order to facilitate handling. REMEMBER- All Verie-Signers should be mailed to: Russell J. Edmunds, 24 Rosslyn Court, Little Silver, New Jersey, 07739. Thanx!

Russell J. Edmunds, 24 Rosslyn Ct. Little Silver, NJ-07739

Salutations! Here I am again! Totals now 512/117 DX: 7/4- 1051-59 what appeared to be WSKT-1580. Tentative out. 1106-40 WMBT-1530 for report. 7/1- Long-sought-after WEEEX-1230 from 1447-1454 for prompt QSL. Same for WLBR-1270 from 1453-1500. WTUX-1290, 1500-1506, verified. 1438-1444 got logging from unn. WTTM-920 for QSL. Unn. WKAP-1320, 1510-1517 got me a new SC w/ my card. And unn WMID-1340 from 1520-1527 for report. WTUX verie gives me 34/29 for states. Veries in: CKSO-790, WKAP, WTUX, WEEEX, WTTM, WLBR. Reports to: CFCH, CJNR, CHLN, WJUN, WHP, all f/ups. Presently my verie totals are 117 for 146 giving me an average of a sickly 80.1%. This is due to about a dozen notorious non-verifiers which I reported anyway! Without them its 86%. Now have something like 20 f/ups out unanswered! Has anybody heard anything about the VAJ Contest??? I'm in it, but haven't had anything from 'em but a cancelled check! Wot goes? Any ideas Ray Edge? Good news for the SC-World!!! WMCA-570 is innaugurating a weekly SC. I reckon I'll be #1 on their mailing list 'cause I wrote 'em the first day they announced it. ALSO another new WNJR SC totally different from the previous! This rare SC can be had by sending a five-cent stamp and another rare SC to me! I have only limited quantities, so hurry! Also have about 85 SC's from CHSJ thanx to RCCochran. How 'bout them CJCH's, boy? S. Miller write! Plans for the future see a Q-5'er for next year. SC total now 103 from 31 states and 3 countries. Send a five-cent stamp for a list. Welcome to a new NRC'er & SC'er, Herb Papenfuss, who should have his membership when this goes to press. Is WSLT-1520 on yet (RS, that is)? How 'bout WRAN-1510?? Any CM-collectors in the house??? I have some WYNS CM on hand. Should soon have some from WSHB-Raeford, N.C. After Sept. 10 my address will be: Rm. 231-Watson, East, 415 University Place, Syracuse University, Syracuse 10, NY. Don't have ZIP as yet. Will take care of address plate change at Convention, Ray. Guess that about does it from here, so let's all get a-movin' with DX and V/S, and see all at Buffalo

Convention Information

Complete information for the 1964 NRC Convention will be found elsewhere in this issue. A reminder, the DEADLINE for MOTEL reservations is August 17th. All reservations should be sent to NRC-Buffalo N Y

MUSINGS OF THE MEMBERSRich Russell - 36 Alice Avenue - Lynn, Massachusetts - 01902

I received bad news as of yesterday. I finally got a summer job! Imagine that, the Great Me working! The chances of my making Buffalo are just about nil. Now to the latest results of my midnight dial-twisting sessions. On 5/2, WAVY-1350 @ 1:07am s/off. On 6/1, La Voz de Cuba-590 at 12:15, WEED-1390 testing at 1:30, WPNC-1470 testing @ 2:10, WFPG-1450 at 3:00. This station seems to be regular here when the noise isn't too much on MMs; CHIQ-1280 @ 12:37am and WKMI-1360 testing at 1:14 on 6/8. 6/15- CKPM-1440 @ 1:37, 6/17- An SS on 1090 @ WBAL (I heard mention of Puerto Rico). Is it they? They were heard at 6:45pm. WLLI-1100 @ 7pm. Both of these were heard in the PM. 6/18- WLIB-1190 at 7:47pm to complete New York City and last but not least WOHO-1470 at s/off at 1am on 6/21. Latest veries include WHYN for 3/8 report, WEED & WPNC for first two veries from N.C. SCs stand at about 61 or 62 with traders in WHK hi, KBCQ WDAK WMEX WDRG WAKR WITH WSBT-TV WQOK WQAM WIBG & WYNS. If anybody wants to trade with me, send me a list of SCs and traders. I keep my stations logged in a big notebook giving each frequency enough room for all the stations. I also underline them in the two logs, VJ and WMWG. I also keep a separate notebook on the veries I receive. Rich Cochran of N.S., who is the v/s for WBBX? I built the loop and it doesn't work! What's the matter with it? I also see where Johnny Gardner of WMEX is giving away WMEX Good Guys Sweat Shirts for some of the wackiest items sent in to him for trade. Like mouldy f/up reports or a PP verie, hi. 73s and don't let the sunshine catch you crying about the veries you ain't getting because everybody's in the same boat.

Roy Barstow - 16 Harding Road - Walpole, Massachusetts

Well, tomorrow I leave for Fort Gordon, Ga. for 21 weeks of school in the U.S. Army. I had a couple of nice easy relaxing weeks at home on leave. Mt schooling will be on Radio Relay and Carrier Operation. I don't know exactly what it is but I may learn something about radio after all. I'm lucky to get this because another man had four years of Electronics school and he got Medics! I'm sorry Ron that I didn't get a chance to look you up, but we didn't have much time during Basic. Some day I'll be down there though, most likely after my hitch is up. Well, not much DX due to CX and other things. I did log and sent a report to WTRY-980. Also picked up a TV station in Mississippi the second day back. Last night my brother had KVOO-TV, Ch-2 Tulsa on but I got in late. I already have them verified but I may have missed others. I'll get the AM bug again when it gets cold, that is if Georgia gets cold and there's a radio available. I did get back a few veries and they are: KRDS, a long holdout who misplaced my report, KWBB KYND WVMT KCKW CHLT WEUP WKBO WDGL-1520 KDEM and #2 from Holland, Hilversum II-1007. I now have 1,109 U.S. and Canadian stations received and 563 veries, also 26 countries verified. Well, I hope to write more later and help fill the Summer DX NEWSes. In the meantime the best of luck to all and have a nice vacation. OS- Hank, the last couple of weeks I had a few rounds of golf. The last round I missed four possible birdies. If I can get some score cards down South I will send them to you.

Doug Murray - 33 Crichton Park Road - Dartmouth, Nova Scotia

A big hello to Rick Cochran, Sweets Corner, N.S. - we seem to be the only two NRCers in Nova Scotia who still belong to the Club. Correct me if I'm wrong. DX here has suffered again this season to college and to that downfall of all mankind, women. I'm kidding, of course. The lack of DX this year hasn't been entirely lost though as I did get my year at college with no supplementaries to write. I go on next year to my fifth year (of six) of architecture. DX for the new year ('64) has brought veries from WLLH-1400 WHAG-1410 WSNE-1410 WVMT-620 & VOWR-800 (#11 from up there) from their DX program last season. My totals stand (and I do mean stand) at 492 verified from ten provinces and 43 states. No new states or countries added this season. I am afraid I will not make the Convention again this year as our college course requires that the first three weeks of September we take a field trip - probably to Boston this year. I will make a point of taking my membership list along and looking up or calling anyone who happens to live near where we make stops. Hi, Stan, Mike, - lock your doors - I'm a-coming, hi. I note from the CDXC bulletin that the NRCI has changed its name to the International Radio Club of America (IRCA). 73 to everyone and best of TV DX for the summer months.

Bill Stone - Casnel - R.R.1 - Unionville, Ontario

First, DX NEWS, P. 3, 5/16 issue - Ross Hinch of WIBA. Canadian Government has given permission for most stations to go to 10kw. I'm quite honest, I doubt it's Cuba or Mexico. At Wayne Plunkett's 1310 kc/s., your frequency, all he gets is WKNR (Page 4)

July 18, 1964

D X N E W S

(Bill Stone) Dearborn, Mich. Now WKNR is 300 miles distant, CKCM about 20. 1250 kc/s. CHWO Oakville, 1954-1950 era, only 20 miles W of Toronto, at High Noon, WEMP Milwaukee and in phone call to CE, his reply, "We get WEMP right here in town." 'Nough said. I'll go you a game - you put your beef into FCC, I'll put mine into B of T. I'll bet it'll cost American stations millions of dollars. And while we're at it, why do the friends South of the Border put 5Gaw. jobs on Canadian frequencies? 1510, 1540, 1550, 1570, 900 for a few. Why are they not on American frequencies. Without thinking hard, I can name 40 Yankee stations that will have to make extensive changes or leave the air. On 1570, XERF protects CFOR. I can name ten American stations that don't. OK, now to DX. Feel sorry for you boys who lay off till Fall. May proved excellent DX month, also so far in June. These Canadian nights help - 360 6/5. 6/6- 7:30pm, WEZQ-1290 ET/TT/ID on half hour. 6/5- Only WTHG f/c 2:16-2:30, speech only, CC, lots of IDs. 6/3, 4- Pete Taylor's baby interesting. 6/3- Added KSDN with ER 11pm their time. Any-one wanting California stations, ruddy dial full of 'em. 6/5- WROZ-1400 ET/TT/OC 2:50-3am. More on 6/3- 12:33 EDT, WFEA-1370 and WSPD having whale of battle. 6/1- TT all over dial - all D&D IDs (Deaf and Dumb - hands only). CKPM-1440 says 24 hour RS 6/2. Been testing AN 5/29 till today. WROK makes it rough at times. 5/11- Started with KAGO ET, then WJMB-1340 RS. Took in KIHN f/c too. On 3:30 swing noticed a lot of TP QRM. 3:45, one taking out CMCY/WKRC @ 4am, said 20R Orange. Down to 1480, struck out on this one - dang near forgot HOXO DX - copied him 4:14-4:30. Back to 1480 4:32, no go. KBOX now bossing frequency. Stayed till 5am. Never got there in between, I copied KOYN on f/c twice, 1:40-1:55 and again 2:45-2:59. Some fun swinging dial. 550, 910, 550 - Zedders, take your blooming choice. N.Z. and Aussies good 5/27-28. You've just got to be there. Veries in May: WINE WEOL WEET YND-675 WABD VKNR CBZ (s/on 3:58) WPGM WGRY KBIB WGIC VOWR for 4/1/63 DX, (nope, don't send f/ups) That's for younger and faster DXers). WSFC WVON WDAX WJMB YVQR-720 (easy; AN, racks up WGN here) KAGO KCKW KOYN WGKV KWRA WERX WGLB HOXO. In June, WEMJ-1490 & CKPM-1440.

Andy Rugg - 16 Lake Breeze Avenue - Pointe Claire, Quebec

Summertime DX is indeed a ludicrous concept, and the logbook shows it. 6/21- WEBB-1360 s/on 4am on second set but not enough to report. 6/27- UnID kilowatt U.S. daytimer on 910 s/off 7:30pm w/no SSB - can anyone in N.Y.C. area confirm or deny it as WRKL? (More than likely, Andy - they went on RS 7/4 and that's their s/off hour -ERC) 6/28- UnID 1320 s/on @ 4am sounded like WHOK; WHAT-1340 newbie on AN @ 4:12; CBZ-1480 suddenly at 4:29 (probably on pattern change) for newbie #4 in 3.8 months - such abysmal progress! New veries are WFEC-1400 and CJCJ-920 (for 1300 DX). All course were passed at McGill!

Walt Breville - Box 86 - 655th Radar Sqdn - Watertown, New York - 13600

Greetings from Northern New York's neophyte NRC'er. Additions to the log and collection of veries have been slow due to static and Summertime diversions. For the last ten weeks since joining, my log has grown from 92 to 175 stations, from no veries to 15 as of now. Latest additions: 6/8- CHNS-960 12:55, WWRL-1600 1:27, Radio Americas-1165 2:00 s/off, KSL-1160~2:05 s/off, WGH-1310 3:39, CFOX-1470 3:53, WHOM-1480 WELU-1480 4am s/on together, WHUN-1150 4:09. 6/14- WPAT-930 1:35am, WSPD-1370 1:54. 6/15- WEPG-145C 2:02, KSTP-1500 2:30, WBCB-1490 2:31, CKVL-850 3:02, CKPM-1440 3:31, WORK-1350 4am s/on 6/20- WBRV-900 7pm s/off, WWOL-1120 7:10-7:15 s/off, also CHEX-980 around 7:20. 6/21- CBE-1550 12:15am. 6/23- KXYZ-1320 2:46, WICE-1290 3:10, Veries include v/c: WICA WLAC WOMB CKBW WLS WFBR WAKR. v/1: WHAT WBCB. Oh yes, on 6/8 no trace of HJNX DX, but I did hear that Cuban with poor to fair copy on 670. I also frequently hear one on 820; none listed in my VJ Log. Tomorrow I go home on leave to St. Louis for three weeks, and plan to have a ball with the ever-changing BCB on the car radio on this 970 mile drive, hi. At 200 miles, Buffalo is probable from here, and am eager to meet and see what BCB DX addicts are like! Good Summer DX to all and 73. (Welcome to the NRC, Walt, and we hope to see you in Buffalo for the big Convention 9/4-7! -ERC)

Stan Morss - Route 3 - Bradford, Massachusetts - 01832

QSL card verie from WIFE-1310. 6/1- CKPM-1440 Ottawa Ont. test 1:25 and promising to be 24 hours. CBC Newfoundland on 1190 with signal almost equal to CBN - ID as CBN/CBNB but list shows CBNB as 40w. on 740, so who? WAKR-1590 off 2am EST. WKAP-1320 test @ 1:53. 6/15- WBCR-1260 Christiansburg, Va. s/on 4am EST for a new one. Verie from WMBT-1530 on f/up. Guess everyone is getting a verie from Senegal but me - maybe I'll send another tape and f/up. At \$2.00 for postage! If all goes well, I will be in Buffalo - not sure yet. (Don't bring any of that "blue" beer, Stan, hi -ERC) AS THEY SAY IN PORT ARTHUR, TEXAS, "KPAC." "KEEP PLANNING on ATTENDING the CONVENTION."

Russ Barr III - G-6062 Detroit Street - Mount Morris, Michigan - 48458

DX has been very slow here, mostly through inactivity. Only 17 stations added to my list. WWRL-1600, WKID-1580, WSEV-930, WIL-1430, WITY-980, CKFH-1430, WDIC-1430, WNMP-1590, CFRB-1010, KSO-1460, KQV-1410 WEER-1570, WRDS-1410. That's for two months. Veries are also slowing down. WAIR-1340 KFYZ-550 WCBS-880 WVNA-1590 WTAR-790 KAAZ-1090 XEX-730 WWRL-1600 WITY-980 WKY-930 WIL-1430 WJR-760 CKCY-920 KQV-1410 CFRB-1010 WEER-1570 KSL-1160 WWJ-950 WIRL-1290 WPGM-1570 CKFH-1430 WNDR-1260 WRDS-1410. BCB DX is going to lost out to TV DX for a while. TV DX is coming in like Gang Busters. Local stations were being blocked by 800-1200 miles on 6/6, 9am. Expect me at Buffalo after a proposed ten rounds at the World's Fair. Guess that's all - 73s from three.

Frank Merrill Jr. - 10693 Saline-Milan Road - Milan, Michigan - 48160

Hi again from the Land of No DX! New catches: CKOT-1510, WAQI-1600 with WAAM off in mid-afternoon, and WYLO-540 in daytime. Had a great get-together at John Daller's on 6/27-28. Rex Pierce picked me up and took me; we talked and traded SCs. He brought me back none, and I showed him some DX, and that is when I surprised myself by tuning in the new WYLO-540! Thanks for the SCs, John. More of these get-togethers (George Greene, Tom Sherman) to come in August, but I can't make it to Buffalo. Welcome to a new member, or who will be a new member: Herbert Papenfuss, 515 Brandon Street, Owosso, Mich. 48867, who writes real cool letters! He is also an SCer, so everybody watch out! Anyone have any extra CKWS SCs? He wants them! Also, he likes shark-infested custard! What happened to all the people who owe me letters (Tom Colthurst, Ken Butterfield, Sheldon Miller, Jeff Stover, Mike King, Doug Killeen, Mike McIlwain)? TV DX here is completely killing BCB DX in the Summer. Veries on BCB: WTMJ-620, WDGL-1520 WJRC-1510 3GI-830, these since 6/1. TV: Eleven veries in the last three weeks! TV states 23/23, BCB states now 49/47, as it was about two months ago, hi! Anyone got any SCs that are blank on the back, a lot of them? I like odd stationery, I use the back of SCs! About two weeks ago, I watched "Let's Make a Deal" directly from Kansas on Ch. 3, verified! Example of my IVV DX. Will say 73, and will say that I have 231 SCs in my collection at this point, watch out Murray Mann! I used to be 500 from you, now I'm less than 400!

Edward J. Semrad - 2816 West Meinecke Avenue - Milwaukee, Wisconsin - 53210

Greetings from a new (?) (4/30) member. Very little DX has entered this room but here goes: 5/20- WDEL-1150 s/on 4am; WELQ-580 s/on SSB 5:01am; WKTY-580 s/on SSB 5:15am. 5/30- WJOR-940 s/off SSB 7:59;53pm. WKTS-950 s/off SSB 8:15pm. 5/31- CKOY-1310 3:50 am; WIP-610 4:10; KSJB-600 4:30; WJOR-940 s/on SSB 7am; WKTS-950 s/on SSB 8am. 6/1- WIBW-580 4:45am; WLOI-1540 7pm; WSMI-1540 7:05pm, both u/KXEL; WCTW-1550 10pm u/CBE. 6/2- WHUN-1150 s/on 4am SSB. 6/8- WTCN-1280 midnight; WRVM-680 4am. 6/15- WKRC-550 3:10am; WAKY-790 2:51am test; WPFQ-910 3:27am; WBBN-930 s/on SSB 3:58am; WNOO-1260 s/on SSB 5:05am; WDFW-910 s/on SSB 4:45am; WCUB-980 s/on SSB 5:05am; WOKY-920, s/on SSB 5:30 am; WFOK-860, s/on no SSB, 5:30am. Latest veries: WKYR KOB WNDR WSGN WPTF WOC KSJB WIBW KCPX KSEI WIOD KLZ KNX KGU (I thought I would never get that one) WBAL KTFI CBE KNBR KIRO KPHO KOIL CHML WAKY ~~WTA~~ v/ls. WTAR WKYZ WJOR WSTA WSBT KELO KGDN WDEL KBLE WCAR KGON KOY WMLE KWK & KYND. V/qs KALL & KGHL are exactly alike! Does anybody else have these, or another pair? From a recent verie from WOR it said their XR is located 18 miles S of N.Y.C. which is in New Jersey. Could I count that as a card for N.J.? WYLO had a special letter printed up for those who reported reception on their first day of transmission. It is blue and the word proclamation is in big letters across the top. I have a question, who s/on on 960 kc/s. at 5:32am? I cannot get the call of this station because of WSBT. Good DXing and 73. (Welcome to NRC & DX NEWS, Ed, and we hope for many more fine reports like this one! -ERC)

Ernest J. Wesolowski - 1416 Pasadena Avenue - Omaha, Nebraska - 68107

By the time all of you read this, I'll be in the vast Pacific, on an island known as Hawaii. Thanks to Skip Dabelstein for letting me use his portable tape recorder so I can record those hard-to-get stations. Hope you don't get the wrong impression. I like to save IDs of different stations. Not much DX around this den for three months. Only one verie arrive since last issue, and that in the letter from KJFJ-1570 Webster City, Iowa, heard on RS while local KRCB-1560 was off due to loss of power. Skip got me a little interested in FM & TV DXing, for the Summer only. WBAY-FM is the best so far, from Green Bay, Wis. I use only rabbit ears which used to be for the TV. KSTP-TV -5 is best so far on the look-see radio. Today, 7/4, the folks and I just got back from another two-day trip into Central Nebraska. Didn't visit any stations, but drove by the newest Neb. station, KICS-1550, which is located S of Hastings and the (Page 6)

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(Ernest Wesolowski) tower is a quarter wave. Seems to have a very good ground wave! Local KFAB-1110 is now saving all reports for me. They want me to try to record KFAB from Hawaii, as they are heard almost every night in the South Pacific. We're hoping that KIPA in Hilo goes off by midnight Hawaiian Time, as will be 4am in Omaha when KFAB goes to non-directional. That's all this time. Aloha & 73s.

J. Warren Routzahn - 206 North Forrest Street - York, Pennsylvania - 17404

Before the noise starts this July 4th, I'll check in from the new den. Moved here 4/8 and find too much to do for DXing. After finally getting a radio hooked up I found line buzz at terrific level from about 900 kc/s. to far beyond 1600. After a month or more of that I figured DX was finished unless I could get a fix from the power company. Along comes some thunderstorms and now the buzz is gone! I hope forever! Tried for HOKO but being naturally stupid I tried it EST. Then went after HJNX at correct time, got WMAQ testing, a Cuban, and some hetrodyne buzz. Checking some daytime reception I can easily hear WXVA WMBT & WCTR for only new ones logged from here. Too hot to DX anyway. Verifs were received from WHRY WFAW WVOB WHKT & WMBT. So much for this as a beginning. If the line noise stays off I can DX this winter. All other points DX-wise are improved, plenty of room for antennas, etc. Forrest St. crosses U.S. 30 at Western end of York, and 206 is only two blocks N. Jolly Cow ice cream etc. building is at Forrest and U.S. 30. May still make Buffalo. Anyone going through York this Summer is welcome here at 206.

Ronald F. Schatz - 7012 Roosevelt Boulevard - Philadelphia, Pennsylvania - 19149

Greetings from the Home of the League-Leading Phillies! Yep, here I am, and I'll be here until mid-August, which is when I return to Florida for the hurricane season, hi. I expect to spend a little time in Long Island, but all mail should be sent to the above address for simplicity's sake. Thoroughly enjoyed the little convention at Ron Sculler's place on 5/24 where I had the pleasure of shaking hands with some 20 beer-drinking, etc. DXers, all but four being new faces for me. Am very sorry to hear Pete Taylor is resigning from the IDXD. Those of us who have had the pleasure of working with him will have something invaluable to miss. But congrats go to John Callarman, our new IDXD editor! Well, DX here in Philadelphia stinks in comparison to what I'm used to. So far I've heard 20 Cubans, ZFB1 YVQB YVPF HJKC HJBJ HJDK Americas TGJ XERF XEWA XEX and (fanfare!) PRA3. HJED seems to be more QRM than a catch from here; only poor DXers shouldn't have that one logged. By the way, I'm DXing with a Westinghouse Clock radio, which isn't something to brag about. Here's the "Voz de Cuba" net: CMAN-550 Pinar del Rio; 600 Trinidad, CMQ-640 Habana, CMHG-660 Santa Clara, CMKP-670 Holguin CMBC-690 Habana, 720 Colon, CMKJ-740 Holguin, CMKC-850 Santiago de Cuba, and CMJL-920 Camaguey. Their address is A.P. 132 in Habana - they want reception reports. Found local WRCV-1060 on AN with WPEN-950 off. WHAT-1340 is also AN. CBH-860 is off MMs, & all the CBC stations seem to be silent (OC) for a short time past 5am local time each morning. As a point of info, the NRCI is now the International Radio Club of America (Inc.) (IRCA) and I'm a member. Just to say my present address is always open to visitors; call me at 332-5253, Sheldon Miller, please write. 73s and good DX.

Paul Kirkpatrick - 229 West Chestnut Street - Souderton, Pennsylvania - 18964

Do you want BCB DXing to come to an end? Of course not, but it appears as though the FCC does. For those who subscribe to Broadcasting, or who work directly with the broadcasting industry, you probably have heard of the clear channel duplication-super power controversy now before the FCC. However, there are many DXers who haven't. In case you are unaware, briefly this is the situation: In 1961 the FCC ordered some of the U.S. BCB clear channels to be "duplicated" or to have more than one fulltime station on these channels. Then last December WWL-870 and four others petitioned the FCC to consider granting power over the 50kw. limit to those clear channel stations to be left unduplicated. During the week of 6/21 the FCC met to consider this proposal and Broadcasting reported "the commissioners' action reflected an enthusiasm for authorizing power in excess of 50kw." Of course these super power proposals are only of experimental nature, but it is rather obvious that should BCB super power become a reality only for experiments, petitions for permanent super power will soon follow. Now is the time for us to voice our discontent over what will surely become BCB DXing's assassin - super power - not only as loyal BCBers but also as citizens and taxpayers of this nation. Our Congressmen may work in Washington but they are only a 5¢ stamp away. If you want BCB DX to continue to grow and flourish, write them tonight, just as I have and lodge your protest against the FCC's consideration to grant several of our clear channel stations super power!

Robert Feulner - 17305 South 70 Court - Tinley Park, Illinois - 60477

Greetings, DXers. It's been several issues since my name has appeared in the Musings Section, mostly because of lack of time for DX. But school is out for the time being, and I am starting to get back in the swing of things. First off, I would like to thank John Daller for all the phone calls and for the CMs. John is an avid SCer, so any extras that you might have, please send to him. Secondly, I would like to ask if anyone has any radio logs that they do not want and which are five to ten years old, or possibly older. If so, please send them to me, as I am very interested to see what the DX situation was before I got started. I really appreciated Mr. Tonne's letter ('On the Station's Stationery' 6/13 DX NEWS) as I am always interested to know how the other side feels about our hobby. However, his comments concerning this so-called cheating is greatly disturbing. I sincerely hope it is not as widespread as it seems, for it can greatly depreciate the value of reception reports and verifications. Local WVON-1450 was forced to go off the air for about an hour in the afternoon of 6/13, and all that could be heard was WASK Lafayette, Ind. However, there was a very weak station u/WASK, which I am hoping was much-needed WKEL, Kewanee, Ill. A tentative has been sent, but no reply has been received as yet. Only two stations have been logged recently: 6/21- WISM-1480 Madison, Wis. finally heard, but with a very weak signal at 10:30pm. I do not think that WGSB-1480 was on at the time. 6/25- WGRD-1410 heard with the loop antenna at 7:30pm. I haven't been doing any real serious DXing lately, but instead have been trying to get caught up with my veries. After three reports, WDXR-1560 finally broke through with a nice v/q. They must have gotten a new CE. Other veries of late include WLSW WIFE WGFA WCNT WAPL YNOL WLDS KILO WGEN WLSH CHAB WYLO KLOV KRCB WRFC WEEF KSJB WZOE KOKX & WSHN. Has anyone successfully completed the BCB DX Booster in the 2/61 Popular Electronics? If so, please let me know, as I am having trouble with mine, and would like to find out how well it works for others. 73s.

Bill Bens - 5575 Spruce Wood Drive - Cincinnati, Ohio - 45239

7/7. Hello from WCPO "Fun Radio" country. Lots of DX to report so here goes. 6/1- 2:30am, KCTX-1510, Tex.; 2:59 ~~WXXX-1440~~ KFDI-1070 Kan.; 3:15 CHIQ-1280 Ont.; 4:29 WHHH-1440 Ohio; 4:45 WHAG-1410 Md.; 5:05 KLIF-1190 Tex.; 5:07, WKGN-1340 Tenn.; 5:26 WHOF-1060 Ohio; 5:31am, WMNC-1430, N.C. 6/2- WMOH-1450 was having troubles ~ 12:49pm WBNB-1460 Ohio; 12:53pm, WPGW-1440 Ind.; 1:05pm, WKLX-1440 Ky., 3:30pm, WANE-1450 Ind. 6/8- 1:15am, KFJZ-1270 Tex.; 4am, WBEN-930 N.Y.; 4:01 WYPR-970 Va., 4:05 WLER-1270 Pa. 5:35am, WPDK-750, W.Va. 6/9- 7pm, WCND-940 Ky. now on RS. 6/18- 4:30pm, WCTV-1550 Ind. 6/22- 4:45am, WAQI-1600 Ohio; 5:01 WEAG-1470 Tenn.; 5:24 WSLS-610 Va. 6/25- 8pm, WOWI-1570 Ind.; 8:29pm CMCA-830 Cuba, ex-730 kc/s. 6/29- 1:36am, KLOU-1580 La., 2:20 XEJP-1150 Mexico; 2:30 CFCO-630 Ont. 7/3- 11am, WJEH-990 Ohio while WONE-980 was having troubles. 7/6- 1:42am, WLAQ-1410, Ga.; 1:45 WJCO-1510 Mich. On MM 6/29 I heard a station playing mx on 625 kc/s. from about 2:10 to 2:24 s/off, no talking. Maybe TIRICA - help, anybody! Latest veries: v/1- WXYZ-TV WMBI WINU WCND. v/q- WIRE KCTX WANE KOA-TV KLIF WNOX WCOL-FM KDUH-TV. Reports out to WKY-TV KXFL CMCA WKBT WAIT WJEH. Anybody living in WCPO "Fun Radio" country, give a listen to the Shad O'Shea and Mike Gavin team show from 5-9am. I'll guarantee you'll like it. Everybody, help Mike Bugaj and me stamp out the W-KU-KUs, WSAI & WDRC. Good DX and 73s.

Allen Nissen - 265 Beverly Hills Road - Fort Lee, New Jersey - 07024

Hi again! Hope you all had a safe Fourth. Here, 7/4 brought a surprise - local WRKL-910 started regular programming. They had been testing off and on since 6/1. WRKL gives their location as New City, N.Y., but their XR is in Mount Ivy, N.Y. They are about 15 miles from me, and really boom in here. In fact, on my car radio, they give WPAT-930 a pretty bad time. They will broadcast "good" mx (a la WHN, hi) most of the time, with a folk and country mx program too (Hi, Ernie). I gave them a call on 7/5, and then went to the WRKL studio and transmitter site. Studio and XR are located in a swamp in Mount Ivy. Their studio is in a trailer, and they have two towers. Their signal can be heard as far as Newark, N.J., Morristown, N.J., Newburgh, N.Y. with nulls toward New Britain, Conn. and Scranton, Pa. They will cover Rockland County, N.Y. and Bergen County, N.J. I estimate that I'm just at the edge of their primary coverage area, since their signal strength falls drastically as I go South. All reports should go to Mr. Hank Feinberg. I talked with Mr. Feinberg, and he is very interested in the NRC. He said that he will personally answer all correct reports. So much for WRKL. Still nothing heard from semi-locals WRAN-1510 and the new 1500 Pompton Lakes station, WKER. Are they on the air yet? Still asking for riders to Buffalo. Anyone interested? 73 for now - keep cool. (WRAN heard here on ET/OC 7/9, 5:32pm ID, Allen -ERC)

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Walter L. Snyder Jr. - 804 North Marshall Street - Allentown, Pennsylvania - 18104

Greetings again to all of you. I am back in Allentown for the Summer and am doing my best to take it easy. I'm working for the Penna. Power and Light Co. out of Wilkes-Barre, Pa. on a survey corps during the week, and am spending most of my weekends out on the golf course. DX-wise, I'm spending most of my time re-organizing and classifying all notes and info from past issues so that everything will be at my fingertips for this coming season. For anyone owning the HQ-180-C, I'd be very interested to hear from you about this RX, in particular the degree and type of improvement in AM reception it gives you over a good \$100 RX such as my Lafayette HE-30. I don't want to make an investment such as this unless I'm sure it will be worth while. Verdes in since my last report in May, all from Ithaca, N.Y., include KVOD f/c, KCBC stamped on report, KFDA KBGO KENO, my guess on Nevada was right, and I see that they finally started verifying. Also WPON WIRL KYA-dx WDGL after long wait, CKBW-dx and both CKSO and KONO after waits of 4-6 months. Only new station was 7:30 s/off of WCHE-1520, heard 5/17 in Ithaca, its 250w. even with 50,000w. WKBW at 8-9. At present, with my job, the Convention looks like a poor possibility. Best wishes for a good Summer and happy vacations.

Ken Butterfield - 624 Arthur Street - Plymouth, Michigan - 48170

Salam! Or something of that sort. DX this Summer, so far, has been pretty poor with only the following new loggings to report: 5/29- WBRB-1430 11am. 6/19- WLUV-1520, 12E 35am on f/c. 6/22- WISM-1480 1am s/off. WGAP-1400, 1:05am RS. 6/25- WMPO-1390 1:40am f/c. 6/27- KWEM-1480, 2:10am r/c. Latest veries have been such: v/q- CKSO (f/up) CKWW (f/up) CKLI (f/up) WSPD (f/up) WEMB (f/up) WNVA (f/up) and WGAP. V/l - all the following due to f/ups: WKOW KWFT WHOM WASK WWHG WJAR CKGM WRIM WMPM WAAP WDGR WGH WNOO WCLS (finally) CLOW WNGH WJRZ WAGE-dx WHSL WMOC WHOA WDXB KYND (first Arizona station) and WTPR. WMPO was also a verification by letter, but required no f/up, hi. Latest totals are 648/582 requiring only 66 more stations to be verified for a 100% average of 89.8%. One more will make it 90%. Have just installed a new citizens' band antenna, a high-gain collinear CL-2 and use it for SW and ECB too, and it works great. Don't know if I told you or not, but I have dug up (in the alley, hi) a new RX, a Heathkit AR-3 to use till I fix the old S-38. It works good, but makes me yearn for the S-38. With June issue of DX NEWS, my subscription ran out, and I have re-subscribed. In case you don't know, I gave up SCing. Big flash, huh? Gave all my SCs to the ugly beard, John Daller, hi. He won't tell me how he gets to phonespond for nothing (or practically that) but my investigators will find out, eh eh. Well, about time to pull a Hank Snow (I'm moving on) so Dang me, Dang me, you ought to get a rope and hang me, 73s, best of DX and Ernie, maybe by next issue, I'll get this cussed "D" on this typewriter fixed. Won't that be nice? Hi.

Matthew Geller - 61 Silver Spring Road - Short Hills, New Jersey - 07078

Hi everyone! DX has fallen way off - things really sound horrible. Only news is verie from WJOY. This August I will be out in California. I would love to see a setup there and how you get all those DUers and Chinese and Japanese. Please write if it's possible for me to drop in sometime in the first week of August. I am 16 year old. Anyway, 73s and a fine Summer to all.

Ronnie Verner - 2260 Briarcliff Road N.E. - Atlanta, Georgia - 30329

Hi gang! Something new has been added, namely a National NC-141 RX. It seems to be doing a good job on both AM and SW. New catches have been WLFA-1590 WDGL-1520 (I think this is a fairly new station), WBRC-960 WMLT-1330 WENN-1320 WESY-1580 WAXU-1580 (I got them while they were testing on 7/3 @ 12:30am) and last but not least, WHOA-870 o/WWL. Recent veries are WMAK, WDGL, both v/q, WSNE WLFA both v/l. Also a card from WFEM and a v/f from WBRC. Reports are out to WMLT WHK WAXU WESY WQXR & WHOA. 73.

Roger Bowman - 1431 Harmon Avenue - Winter Park, Florida - 32789

Hi everyone, from the Sunshine State. Not much time for DX, since much time has just been spent moving to a new QTH. I am about a mile from my former location, and this puts about a mile between WABR-1440 and me. I noticed that Radio Belize-834 is still coming in good, as it had a real fine signal on the car set the other night. A few new stations for me: 6/22- WRKT-1300 @ 12:45pm, W000-1310 @ 12:50, WEZY-1350 @ 1pm. 6/24- WSEB-1230 @ 8:54am. 6/28- WTWB-1570 @ 7:58am. All of these stations are easily heard over here at this QTH, but WABR was all over the band over on Midiron Drive, and completely covered all the signals. 73s to all-until next month.

AS THEY SAY IN HALIFAX, NOVA SCOTIA, WCHNS. "CONVENTION HIJINKS NEAR, in SEPTEMBER." September 4-5-6-7, over the Long Labor Day Weekend. Come one, come all; drive carefull

Randy Seaver - 2119 30 Street - San Diego, California - 92104

Happy Birthday to ZIP. Anybody else note it? Latest DX, which is about as scanty as cloth on the top of a topless bathing suit - 6/8- A complete washout, umn KFBB-1310 on r/c @ 2:09 EST. 6/15- KEYY-1450 s/off @ 2:05, fairly good, o/KPAL, KWOY-1410 on a f/c @ 2:06, gave phonetic ID. KTFI-1270 s/off @ 2:07, if you need Idaho, here's one. KLMX -1450 on their r/c, verie in. CMAL-550 the "Voz de Cuba" ANer per Schatz' list, that @ 2:35-2:45 and after, some SS-1190 fairly loud bothered by KCBQ TT, OC, had a phohe-in program heard @ 2:53 until 3, maybe KEZY, though I think not. Anyone know who? Umn KLLL-1460 s/on @ 6:30, KDHN-1470 s/on @ 6:33, KEPS TT, then s/on @ 6:43-6:45; KRZE-1280 ob @ 6:56, umn KYOS & KHAT on 1480 SSBs @ 7am, KIMA -1460 s/on @ 7. 6/21- KDOC-1440, new calls for KWBV, Scottsdale, Ariz., 5kw. he said. Also local ABS Bet KHHS on 1035-1040, this on a SM. Try for him. Sometimes they're up to 50w. KDOC heard at 3:45-4. 6/22- Unk-SS-810 @ 7:18, unk SS-850 @ 7:28, presume the 850 to be the unk Mexicalo. 6/27- XENW-360 s/off @ 2:05, CHAT-1270 @ 2:40 for a new log. 6/29- KFLW-1450 s/on @ 7, KCKG-1350 @ 7:14, XECB-1450 @ 7:30. 7/6- S/off @ 2 EST were: KHJ-930 KPRE-940 KHOS-940, KBOI-950, KOVO-960, KOOL-960, KBIS-970, KFWB-980, unk-960 presume KNEZ. Also KOIN-970, CBC-990 o/XECL powerhouse, CJOC-1220 heard s/off w/GSQ @ 2:10, KLYQ-980 r/c @ 2:41, KSPA-1400 @ 2:46, WCSC-1390 @ 5:03 s/on, umn WSIZ-1380 s/on @ 5:04. YVLT-830 I think @ 5:15, stronger than HJKC, with a long song, each second line ending in "Miranda." So they, I guess. Any experts out there know? KENT-1340 @ 6:01 rounding out the morning. I think I've found my WTR mystery on 1420 in the person of WTCR, thanks to a Dan Phillips Musing over a year ago. Don Eggert, thanks for writing; when I find your misplaced letter, I'll write. Total heard now 624. Other random notes, I finally found a job. Have to get up at 6am, so on MMs I get up two hours early and DX. Works out fine. Any other Little League Managers in the crowd? Our minor league team won their last 11 games, and took the championship. Ben D., how'd the Dangerous Dangerfield boys do? 73s from a heckuva good right fielder, RJS-64.

Roy H. Millar - Box 91 - Marysville, Washington - 98270

Greetings, "Summer-Time DXers!" June was a rewarding DX month here with New Zealand reception continuing to crop up, and Southern SA at best every encountered. By dates: 6/1- XESU-790 Mexicali, B.C. s/on 6am, soon lost u/tester; CFCW-790 Camrose, Alta., ID as ET @ 6:02am (ex-1250). 6/4- CJOB-680, Winnipeg, Man. ID @ 5am (ex-1240). 6/7- HJGC -1180 Bucaramanga, Colombia positively ID @ 3:30am with "Radio Santander" slogan. 6/9- KWSL-1340 Grand Junction, Col. ID atop QRM @ 3am as I was on Montana "Flood Alert" with nothing new added from that state. 6/15- A good morning, with CB76-760 Santiago, Chile in 6-6:20am & 4YX-640 Alexandra, N.Z. logged at 6:23am s/off in chain with several other NZBC stations. 6/22- CP25-1160 Santa Cruz, Bolivia, 250w. per WRTVH) s/on 6am with "Radio Centenario en Santa Cruz" slogan, and giving SW as well as BCB frequencies. I really dug around trying to ID this, and when I finally found the plug that fit, I about flipped! 6/27- CB66-660, Santiago, Chile, s/on 6am, ID as "Radio Chilena". 6/29- CBUU-1070 Clinton, B.C. ID @ 4, 5, 6am for my third most distant CBC Relay logging; 12B-1070 Auckland, N.Z. o/u CBUU from 6:28 to 6:40am for 13th N.Z. logging of this season! (Nine verified to date). 7/2- CBC on 1206.5 kc/s. again logged, 12:05-2am s/off with GSQ. ID definitely includes "Air Force Base" and time given equals PST, with no indication as to being Standard or Daylight Savings Time. Veries: XEWK-1190 KWSL-1340 (it has been a long time since last "graveyarder" verie!), KCOR-1350, and CBUU-1070 (my seventh CBC Relay verie). Tape and report to KWFT's DX was returned unopened, marked "unclaimed"; was mailed to P.O. Box 1,933 per "on the air" instructions. 73.

Bob Pietsch - 124 Locksley Avenue - Apt. 3 - San Francisco, California - 94122

See it's time for another Musing. A little more activity on my part lately - with the resultant new loggings: 6/22- KWIN-580 7:04am, KKAR and KLIP (in SS)-1220 battling at their 8am s/ons. 6/24- CKLG-730 8:07am apparently AN now, XEWV-940 7:15am. 6/25- KWRC -940 5:03am, new one in Woodburn, Ore. testing prior to going on RS shortly - they are daytime, 250w. And 7/4, KHOE-1400 4:30am, surprisingly easy log through local KPAT. Visited Rich Heald's place 6/26 for the afternoon. I noted on his RX about five images of local KFAX-1100 spread across the dial, and to top it off he gets KFAX louder on 1130 than on 1100! So we decided to go down to their XR - Rich suggested taking along a few sticks of dynamite for their four 230' towers, but we finally decided against it. We had an hour's talk with two engineers there; we tried to get them to do a show for the NRC this Winter but to no avail. Wonder how many of you guys back E have heard KFAX? So a very interesting afternoon in all. Veries of late: KLUC-1050 f/up XECL-990 KPOL-1540 KBGO-1580 KGGW-610 v/q, KWRC-940 & CKLG-730. Totals now 448/212. 73s.

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D X N E W S

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Joe Boatwright Jr. - 2 Cherry Lane - Basking Ridge, New Jersey - 07920

Greetings to the DX world. DX here has had quite a lift since school ended; 17 new stations in less than a month. New stations: 6/23- WDEV-550 in for 11pm EST s/off with SSB. 6/24- WATR-1320 finally in at 7:30. 6/25- WCRB-1330, at 11:20. 6/26- WGET-1320 in at 11pm s/off for 19th U.S. station on 1320 kc/s. 6/29, MM- Logged WZOK (another, finally), 1320 at midnight s/off; 12:07am logged WMAJ-1450 at s/off. At 3am finally logged CNV with AN CBC programming. At 3am EST logged the greatest catch of the night in VOUS-1480 s/on with SSB. Signal was not too loud but completely in the clear. Also at 3am logged the new CKPM-1440 with AN programming. I had listened to them earlier but didn't bother for a log until 4am. At 4am logged two sons, WJEJ-1240 and WBCR-1260. 7/1- At 1am logged WRAW-1340 with rr, and WEET-1320 with ETs. 7/6- At 12 midnight I logged WMPO-1390 with TT, announcer said that they would answer any correspondence. At 1:09am logged WLAQ-1410 with AN programming. At 1:22, WOOW-1340 was in with TT. At 1:46 logged WJCO-1510 with TT, and at 1:55, CHIQ-1280 with rr. New veries in: v/q- WNNJ-1360 and WFAS-1230. v/c- WBRW-1510, WSPA-910 and WEEU-850. v/l- WVCH-740, WFLN-900 WJRZ-970 WKCW-1520, WSAY-1370, and WNDR-1260. Totals now 616/113. I've been having good results. Last MM I heard a CBC station at about 12:30am EST on 1480 kc/s. In the middle of a piece of mx it suddenly went off the air. Is it CBZ gone crazy? Also I think WHO was on AN last MM, 7/6. Local WRAN-1510 is not yet on RS, although they have been OC TT during the day only for about a month now. The station usually tests with an OC for a week, and then the next week it is silent. I don't know when it will be on RS, but it should be soon. 73s.

Mike Bugaj - 197 Boston Road - Middletown, Connecticut - 06457

New stuff logged since last month: 6/7- WJOY-1230 @ 5:20am. 6/13- WNEB-1230 @ 5:56pm, WHUC-1230 @ 6:29pm. 6/20- CBO-910 @ 2am, WKBK-1220 @ 6:59pm. 6/23- WVOS-1240 @ 6:01 pm. 6/25- WVRI-1450 @ 7:21pm. 7/6- PJB-800 (Bonaire) @ 7:52pm with slow instrumental mx and frequent IDs. Announcer gave call as PJB and said they were using "full power." Strength never once went under 30db over. With loop, signal was excellent, but slight CKLW-800 QRM with longwire. If they're this strong now, what will they sound like in the Winter? Anyway, back to loggings: 7/7- CFDA-1380 @ 8:46pm. 7/8- WHAZ-1330 @ 11:12am. 7/9- WKTIJ-1380 @ 7:25pm, s/off @ 7:30; WRIS-1410 @ 7:35pm. WHAG-1410 @ 7:42pm, s/off 7:45. WNLC-1510 was heard to ID as 10kw., but they don't seem to be any stronger here. I heard them mention this at 2pm one afternoon. Come on everybody, help Bill and me throw out WDRC-1360 and WSAI-1360 and put somebody on 1360 who's half decent! 73s.

Hal Robie - 351 South Street - Medfield, Massachusetts - 02052

As far as DX is concerned there has been complete inactivity here for the summer. Only news since last month is a couple of new veries, both very much appreciated. CSB81-1571 sent v/q confirming 1/4 reception. Nothing had been received as of 4/4 so I sent a f/up. V/q arrived first week in June, and then a week later a second card was received to which was affixed the stamp I had sent for return postage along with my f/up. So I guess the second report wasn't necessary, but that v/q was signed whereas the first one was not, so it is to be preferred. The other v/q was from RAI for reception on 845 kc/s., and in answer to a report covering dates of 1/21, 3/3 and 3/9/64. This one has been a real toughie for me because of WHDH's towers in the neighboring town of Needham. I have no loop, so log has to be taken through whatever program this local has on the air and it's been difficult to come up with a readable signal from Rome at a time when WHDH has mostly talk going on. Log here stands at 58 countries with 55 verified. Still wanting to hear from Senegal; Egypt, and a card from Andorra which specifies 998 kc/s. instead of the SW frequency. These are the three I need to bring my total of countries verified up to equal the number of countries heard. Guess that's about it from here. With no listening this is about the best I can do to help fill the mid-summer issues. 73. (We appreciate it, Hal - wish ALL would do likewise! -ERC)

(Unsigned) - 708 5 Street - Marietta, Ohio

I have been a member of the NRC since March '64, and since that time I have found the one source of station listings that I have (White's Radio Log) to be lacking considerably. I would appreciate your sending me a list of publications to write for so that I may know more about the stations that I am listening for. Also, could you please tell me what SCs are? (SCs are "Surveys" or Survey Collectors. My favorite log is North American Radio-TV Station Guide, published by Howard W. Sams & Co., Inc., Indianapolis 6, Ind., \$1.95. -ERC)

Don Eggert - 1925 East Bowman Street - South Bend, Indiana - 46613

Hi all. Long time no muse, because there's been nothing to muse about. But a lot has happened since, so I'll get right to DX. Way back to 5/11, MM. "Radio Progress"-680 @ 1:08am EST (all times EST), 2:20 XEB-1220 w/S-5 signal. 3:00 "Radio Progress"-680 @ to 680. 5/15- 6:30pm the new WYLO "Way-Low" on 540 pushing off what used to be KWMT--Land. WYLO beams SSE, so it hits Milwaukee and Chicago. 5/18-MM- KTOK-1000 @ 1:45 on RS. 6/19- Got up to do some AM DXing and logged WJPG-1440 @ 5am s/on, WALT-1420 s/on @ 5:02. 6/26- 9:45pm CJIC-1050. 6/27- 1:28, WLBK-1360 w/ET o/WSAI. 6/28- 11:29pm WHRV-1600 u/o WAKR slopover. 6/29-MM- CX surprisingly good for this time of year. XEJP-1150 w/SS rr @ 1:05am. 1:30, WJPG-1450 #1 from N.J. w/very good signal. 1:41, WJET-1400 in the slop. 2:00, WADC-1350 in the clear. 2:31, WARK-1490 #3 from MI. and my best DX on 1490. 3:00, WBNX-1380 w/SS. This threw me off at first and sent me to all my foreign logs. They s/off @ 3am to return in one hour (ERC, this SS is for the Puerto Ricans, right? (Right! -ERC) Their s/off left a real mystery to me. I heard "Oh Canada" and "My Country Tis of Thee", then a man said, "This is the foreign SW service of the CBC." As luck would have it, they faded out, darn! Anyway I sent a letter of inquiry to the CBC HQ in Montreal along with a reception report. Any idea who this is Ernie, or anybody? Back to DX, still 6/29- 4:07, WJNY-790 in the jumble. WPON-1460 s/on at 4:30. 5:00, KMA-960 s/on weak but clear. Also @ 5am, WSWA-550 s/on SSB, announced "In the interest of better radio, we QSL 100%." (God bless them, hi.) 5:03, WJOR-940 s/on w/slow SSB. 6/30- 8:28pm, WFUR-1570 on SSS. 7/3- WTOD-1560 @ 8:08 to 8:15 s/off. WMRP-1570 @ 8:12 s/off. 7/4- I hope everybody had a nice Fourth and not forget what it is really for. WIBM-1450 @ 7:54 on SSS. 7/5- WCMB-1450 @ 2:06am w/ppor signal. 7/6- CMBZ-830 @ 9pm ID in EE, followed by NX in SS/EE. What is their power? They've been in w/S-5 lately. Veries since last/Musing are v/l- WYLO WRYT WHAS. v/q- WGY CBE WSWA WRAA CJIC. MMs from WYLO and WSWA. SCers: Write to Herb Papenfuss, 515 Brandon St., Owosso, Mich. for his fine list of traders. I just lost 100 stations from my log. More next time. 73 and DX. WHK-1420 was noted AN on MM 6/29 along with KSTP, KOMA. (Don wants the address where he can get Broadcasting Yearbook - anybody, please? -ERC)

Adolph Rattay - 1494 Beechwood Street - Warren, Ohio - 44483

I think I'd better send in this report if I want to beat the deadline. With static and hot WX, DXing has been coming to a slow stop. I did manage to get a few stations. On 6/5, WAGC-1530 testing from 1:45 to 2:50, and WMMH-1460 f/c 3-3:15. 6/8- KWAT-950 f/c 1-1:15. On 6/13, WCRL-1570 ET 1:45 to 2:30. On 6/15, WKIG-1580 ET 1:30 to 1:45. KICS-1500 2-2:15. WCNB-1580 ET @ 4am. 6/22- WPGM-1570 test at 12:15, WLSH-1410 ET 1:30 to 2:05, and 7/2- WDLR-1550 ET 1:02-1:28am. WDAN-1490 f/c 1:35-1:45. Verifications received during the month: v/l- WCNS WMMH KICS WIRB WVNA WCRL. v/c- WTAX WDWS WJRC WIBW WSWA. That's it for this time. At the present time I have very good hopes of making it to Buffalo so I hope I'll see many of you there. 73s.

Alex Bowab - Box 539 - Atmore, Alabama - 36502

6/1- WRIS-1410 ET/M 12:33. A tester on 1260 merely saying "WCSA" thought to be new WCSA in Ripley, Miss. 6/2- WCNH-1230 RS atop channel, 5:30am. WFMI-1500 and WOGA-1540 s/on 6:01. I am presently in summer school at Spring Hill, and wasn't to do any more DX until 7/4 when Dan Phillips visited me. That AM found only WBHB-1240 Fitzgerald, Ga. AN for holidays, along with WHHY-1440 also AN. Did anyone happen to hear me at the mike on WATEM-1590's r/c the AM of 6/10? Big thrill! I will not be returning to Spring Hill College in the Fall; instead I will enter Stm Mary's Seminary in Kentucky to begin studies for the Priesthood which will last about five-six years. I will try to keep up my interest in the DX World through it all. Lastly, I request that those who continue to clutter my mailbox with personal editorials please desist, as I am not interested in any controversy and would rather the matter die a natural death, as it should have done long ago. (Sincere congratulations, Alex, and may God bless you. We hope you'll write Musings from time to time to let us know how you're coming along -ERC)

Charles R. Rader - 22 Robert Street - Hamburg, New York - 14075

Finally finding some time to DX now that school is out. Work five days a week limits my listening, but I try MMs when possible, as well as various AMs and some SSS w/fairly good results. Hitting the high points: 6/6- WPGM-1570, conducting PoP test, 12-12:10 am. 6/15- WOSC-1300, on w/TT 12:34-12:42am. 6/19- WFLR-1570, had TT u/CKLM, only ID was 12:18:30am. Skipping to 7/5, which was a morning of ETs. WCHS-580 was the first noted, around midnight. Another was WMPO-1390 w/TT from 12-1:02am. Only IDs noted were at beginning and end. Address given as P.O. Box 1 (?), Middleport, O. Said all correspondence enclosing a 5¢ stamp would be answered. Reports going out are (Page 12)

July 18, 1964

D X N E W S

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(Charles Rader) mostly to local and semi-local stations that I've left unverified in the past. Recent veries in are: v/1- WKPR-1420, 2244 Ravine Rd., Kalamazoo, Mich. (w/CM); WPGM-1570, First National Bank Building, Danville, Pa. 17821; WEBR-970 23 North St., Buffalo N.Y. 14202, and WUSJ-1340, 320 Michigan St., Lockport, N.Y. V/c is from CKTB-610. Only other verie is from my Midwest listening, friendly v/1 and CM from KBHB, Black Hills Broadcasting, in Sturgis, S.D., P.O. Box 8. Reports out to WCED WLSH & WHLD. Note that CJRM-1600 is on in Niagara Falls, Ont., former call was CHVC. 73s to all, and see you in Buffalo '64, Ed Drumm!

Richard Cochran - Sweet's Corner, Nova Scotia

Not much this month - RX gave up on me 6/14, and because of scarcity of parts I didn't get it back till last night. DX: 6/5- WJOY-1230 is AN; Vermont's only ANer, I believe. WKEN-1600 @ 2:42 w/ET/M. No answer to report yet. WADO-1280 s/off 2:55 to return at 4:00. Heard CHIQ first time. June s/off- WEXT-1550 7:30, WHEB-750 7:45, WLIB-1190 9:15. Caught a WICH-1310 ID 9:05pm 6/13 through the MESS! on 1310. In fact, 1310 is such a mess at all times here that 1320 is un-DXable. WLOB WORC CKOY and WGH are the worst, and the many other fulltimers on the channel make 1310 the seventh graveyard frequency. Veries: v/1- CJOC KTRE CFBC WBCB. v/mimeo card- WKAP. v/f- CKCY WAAM KEYS (CM & SC) CJQC. v/q- CJCJ CKSO CFOR WJOY CBO. Anyone want a CHSJ SC? Frank M. and Russ E. have plenty, if they run out I have 100 or so left. Sorry I can't promise CHNS and CJCH - there are never any left - they run out the day after publication. And I'm 40 miles from Halifax and was there once in the last year! Anyone wanting CHSJ, send trader. Unless you trade with the above-mentioned two, they should have enough to go around. 73.

Rich Gula - 56 Sears Street - Middletown, Connecticut - 06457

I don't agree with those who feel summer DX is hopeless. Although I haven't logged any long distance DX, about 50 stations have been added to the log in the last two weeks. Most are semi-locals: 6/22- WEEE-1300 @ 11:18am, WKVT-1490 @ 6:41pm. 6/23- CKPM-1440 @ 12:34am, WRAW-1340 @ 1:33am, WNY-790 @ 11:25am, WHEN-620 @ midnight, Radio Free Cuba -690 @ 11:52pm. 6/24- WHMP-1400 @ 10:44am, WLYN-1360 @ 10:46. 6/25- WJEJ-1240 @ 4:05 am, WHAZ-1330 @ 12:30pm, WKNY-1490 @ 2:01pm, WHUC-1230 @ 6:55pm. 6/26- WYNG-1590 10:10 am. After a week at the shore, I returned home, modified the loop, and the results: 7/4- WBET-1460 @ 5:27pm, WKFD-1370 @ 5:33pm, WEET-1320 @ 5:18am on 7/5. Also then, WPEP-1570 @ 7:59am. 7/6- WDLA-1270 @ 5:02am. 7/9- WDEV-550 @ 4:29pm. WSKI-1240 5:07 am, WWRI-1450 @ 5:18am, WJDA-1300 @ 3:01pm, WHTC-1410 @ 3:12pm, WEAV-960 @ 6:49pm, WYSL -1400 @ 7:31pm. 7/10- WUST-1120 @ 5:14am, WALL-1340 @ 5:32, WISA-1450 5:48, WBRK-1340 8:27am, CHOV-1350 @ 10:30pm, CFCE-600 @ 11pm. 7/11 was best day in months: WATS-960 @ 5am, WNBH-1340 @ 12:29, WFAS-1230 @ 6:01pm, WGAW-1340 @ 7:07, CJSO-1320 7:44, WSNY-1240 7:58, WNBZ-1240 8:14, CKSM-1220 8:14, CHNO-900 9:04, CJBR-900 9:07pm. 7/12- WWSC-1450 @ 5:02am, WCTC-1450 5:10. An interesting note is a tester on 800 almost nightly. I believe this to be Bonaire as they murder 800 using the loop toward S. Cousin Mike has heard them testing, so am pretty sure it's they. Veries from back in April/May are v/1- KXLF KBEW (Bill Stone, Five will get you ten it was they - verie came same day as your letter - thanks) KBIB, and WXMT typed on the report. The loop is great - I can null any local on any frequency - save WCXN-1150. Have great fun nulling WDRG, which claims #1 in Conn. We all know that WPOP-1410 is tops around here. I have my own Good Guy Sweatshirt. I wore it down the shore - got some crazy stares. The loop has opened up every single frequency at night, save those with 50kwers. According to Pop-tronics, this year is to be the best in history for BCB DX, even better than the fantastic CX of last Fall. Boys, this is our year - let's make good use of it and fill up DX NEWS. Don Eggert - how about my tape with YOUR voice on it? Also a turn through the dial. Thanks. Totals are now 948/90, states 48/45, provinces 8/6, countries 40/15. I think I may be one of the youngest NRCers. My 15th birthday was 3/5. Anyone younger? 73s, and let's make Ernie work next issue - everyone Muse!

Joseph Fela Jr. - 167 Goodwin Avenue - Newark, New Jersey - 07112

Veries since my last report are v/1s from WYGO-1330 WHLN-1410 CBAG-1550 (via CBAF-1300) WEZY-1350 ("We never s/off!). v/f- WRYT-1250 (after four months) WGHQ-920 WICU-1330. v/q's from WNP-1590 and KNWC-1270-DX (after six months) and a folder from Radio Senegal -764. After three years of DXing, the totals are 1,202 heard and 581 verified. To recent DX: 6/17- 12:15am, WGHQ-920 ending ET/TT; 12L39 CBA-1070 off so WFLI atop the channel on RS; 1:00 WAVZ-1300 s/off. This seems to be time of their regular weekly s/off. 2:00, WEZY-1350 o/u WADC. 6/18- WNJH-1580 ET/M; 12:45 CBAG-1550 in S-3 (Page 130)

(Joe Fela) w/CBE off. 6/19- 12:06am, WAFB-900 f/c-TT; 12:11 CBE-1550 s/off for maintenance right after saying they are 24 hours; 12:28 CBH-860 noted using a relay ID and then the CBH ID (same one used by CBAG-1550). 6/21- 7:30pm s/off WRGM-1540 about ten seconds after WJMJ's; 11:25 WYNS-1150 TT. 6/28- 10:30pm, CMCA noted on about 831 kc/s. (ex-730). 11:02 s/off, WETT-1590, 11:06 s/off WICK-1400; 11:14 s/off WHMP-1400; 11:17 s/off Radio Belize-834; 11:40 KLRA-1010 o/u CFRB; 11:58 SS on 1519 IDes as "Radio Pueblo" in Santo Domingo. 6/29- 12:07am s/off WMAJ-1450. 7/2- 12:09am, WGET-1320 with Phillies BB; 3:01 CKPM-1440 noted for the first time here, equal to WROK. 7/3- 12:19am WLSB-1220 f/c-TT. 7/7- 12:01, WCRB-1330 finally; 12:03 KWFL-1330 s/off o/WCRB; 12:06 CKKW-1320 s/off; 12:10 noted Radio Bermuda ID on 1235 giving both the 1235 and 1340 frequencies - are both AN in //? 12:32 WZKY-1580 f/c-TT; 1:00 Senegal-764 noted in spite of the fact that loud local WABC is only 6 kc/s. away. 7/11- 1:46am, WPVA-1290 ET/TT/rr (more QRM from KOIL than WICE surprisingly - yet no WIRL QRM); 2:25 ET/cl mx IDed as CJSS on 1220. Notes: WRKL-910 is now on RS and is a fairly strong semi-local here. They completely knock out daytime reception of WHAY/WGBI/WSBA here. Also, since WGSB-740 went 5kw directional, they are somewhat weaker here - nov just a bit stronger than WVCH. Before it was 80% WGSB. Finally, WTRY-980 is off AN but WBAL-1090 has apparently gone AN - right? 73s for now.

Ralph M. Johans - 11 East Chippewa Street - Buffalo, New York - 14203

Here, WMMJ-1300 lkw. D will RS in three months, Lancaster, NY, J.L. McGrath, M, ex-WDOE Fred W. Winter, CE. WWOL-1120 moves studios to Hotel Lafayette by 9/1. CBL-740 was off a while but only 740 AN KFMG came in better and that OC-no call pest. Castro still tops/kills KFI-640 and others. Why do you boys report to an Anti-US station? Received v/q (silver/black print) KNWC-1270-DX 1/20, no v/s. CM, poor v/q WFAW 2/24 TEST (no v/s and is 940). From the Fiddlehead Country, Woodstock NB, two v/qs for 3/4 DX by CJCJ-920. V/q by CKWW-580 Windsor, with thanks written on address side. CBI v/q and CBC v/1 & CM (2/11 DX), said first class mail in Canada goes airmail now; sked, directional N beamed to S coast of NEld 6-lam ADT, CBI-1140, 247 Charlotte St., Sidney, NS. V/1 CKY-580, 432 Main St., Winnipeg 2, Man., a private station with two XR sites, the 50kw is 21.5 miles S and six miles SE are the 5/1 AXRs, and 350kw. FM XR shoots 170kw. into Iron Curtain. Old CKY-990 now CBW, bought by CBC. CKT is AN NSP; day directional favors N & W, night pattern protects WIEW CKPR & CKVA. V/1 by CKOT-1510 Tillsonburg Ont., Box 10, June/July sked, 6am-8:30pm EDT. V/1 and nice ballpen CKPM-1440, 140 Wellington St., Ottawa 4. RS 6/7 10kw. AN, night directional. V/1, CM, and cute bumper sticker by CKOC-1150, Box 860, Hamilton, Ont. is night directional N & AN with silence MM 12:03-5am (EDT now). V/1 with 30th anniversary gold seal by KWTO-1410, Box 727, Sheridan, Wyo, ex-1400. V/1 and info-history, KSL-1160, Broadcast House, Salt Lake City 11, U., opened in '22 as KZN with half hour or 15 minutes daily, then went 833 kc/s. w/ 500w, in '24 became KFPT-1149, in June became KSL-1000 lkw, in '29 to 1130 kc/s. 5kw. & then 1160 in '41, now 50kw. AN exc. MM silent 12:05-5:30am CST, M.J.Jones, CE. From WHAS-840, 525 W. Broadway, Louisville Ky. 40202, v/1, CM and program says tests heard were new 50kw. XR, sked 4:58am (SM 5:58)-12:10am and only EST is used there. (Got '44 v/q, pencilled address. Big v/q by WJOY-1230, Burlington, Vt. (Hi, HTT) by CE, AN w/MM 1-5am EDT silent. V/1, CM, WJDY-1470 106 W. Circle Ave., Salisbury, Md. r/c EDT 5-5:15 third MM, sked 5:22am (SM 6:57)-7pm EDT, N, E, S and null W. Has nude baby saying "All I've on is WJDY". V/1, CM, WTRR-1470, Westminster, Md, 4:50am EDT s/on. V/1, CM WGRP-940, 44 McCrackeb Rd., Greenville, Pa. directiona E of N and null between 162-1900, sked June/July 6am (SM 7:58)-9pm EDT. V/1 WKBO, 31 N. 3 St., Harrisburg, Pa, used lkw, 1230. Sked 6-2am, Sun. 7-1EDT. V/1, CM & SC WWGO-1450, 212 Commerce Bldg., Erie Pa. NSP AN. Plain paper envelope letter WTLN-1520 tested 4/22, RS 5/3, 5k2, Box 485, Apopka, Fla.

John W. Daller - 19997 Ward Avenue - Detroit, Michigan - 48235

Greetings, DXers, SCers everywhere. Hello to a guy with a cool name, Dallas John, hi, & other phonespondences Chris Manthey, Ed Krejny, Bobby Feulner, Paul Bartoz, John Swanson, Barry Bauer, Roger Winsor, K. Krakow, and Mich. members Tom S., Frank M., Ken B., & Russ Barr III. Rex Pierce and Frank M. here for overnight stay couple of weekends ago. Frank no doubt describes it in his musing, hi. Tom Sherman & Frank Merrill both in Detroit for past weekend, and good to finally see 6'5" Tom! Tom & I went out to WXYZ late Friday night for an hour and watched the ANDJ run a fascinating show. Saturday PM saw Tom, Frank and I going to WKNR for two hours in the middle of the AN DJ's show and having the run of the station. We looked through a box of entries in WKNR's World's Fair Trip Contest for out-of-town postmakrs - they received six entries from (Page 14)

July 18, 1964

D X N E W S

14

(John Daller) Norfolk, Va., one each from Phenix City, Ala., Great Falls, Mont., North Bellmore, L.I., N.Y., and get this, one from a Miss Kristene Rudderham of Dee Why, NSW, Australia! Where did these people get the required entry form on the back of the WKNR SCs? She sure wasn't a listener! She obtained the SC entry and remailed it within a month airmail. Their local mail pull is tremendous! CE & v/s is Jerrold Martin, who refuses to send SCs, CMs, etc. to anyone along with the v/q saying he cooperated with the DXers by making the v/q and will send that out though for all correct reports. We were at the station almost until their power change at 4am! Tom was to drive his vacationing parents most of the way back to Manistee Sunday - hope you made it, Tom. A few SCs added to both of their collections. FM and I SC-DXed Saturday, which was a new experience for both of us. SC DX consists of parking on a frequency with a rocker and waiting for the station to plug a mx guide, great 48 or at least give the number in popularity of a song. 680 netted us two such SC DX catches, hi. Biondi mentioned several small rockers on his MBS show Saturday Pm on WCFL-1000 for some tentative SCs. To DX: DJ buddy at WERB-1090 tentatively promised a MM TEST next Nov. or Dec. 1090 should be clear on MMs, right? I'll bet no one out there can figure out why this small 250w-D is directional! Hint: They have a sister station, WBRB-1430 in nearby Mount Clemens. Three 45s to first couple with the answer by guessing correctly, no kiddin'. SC totals bound to bound upward sooner or later, hi. So 73 and Buffalo 164 from just a guy.

Rich Heald - 733 Arbot Drive - San Leandro, California - 94577

Howdy! It's been quite some time since I last reported to these pages so I thought I'd better get with it again. Here's DX for the last three weeks. 6/20- KATN-1010 @ s/off. 6/21- KINY-800 @ s/off. 6/22- KONE-1450, KBLE-1050 w/TT, 3LO-770, KIRV-1510 @ 7:30pm PDT. 6/26- KSYC-1490. 6/29- KSTR-620 w/TT, WIL-1430 @ s/on, KFJZ-1270. 7/5- CFCW-1050, CFCW-790 @ s/off, KLYQ-980 w/TT. 7/8- CKRD-850. 7/12- KPQ-560. Veries have really slowed down even though reports are going out at a big rate. Latest veries are: KOAD XECL KALI KIMS KFLW KXO KIRV KBLE (I've now veried all 12 Seattle stations) KFXM WIL KATN & KSTR. Totals are about 508/324. Hope to make that 400 mark by the end of '64. Was down in S. Calif. visiting good friends third week of June and had phone calls with Greg Jones, Randy Seaver, and Don Erickson. Don almost made it over to Ontario to see me, but then 25 miles on a bike is quite a distance when you have a strong headwind all the way, hi. Hope all of you are listening to "The Other Side of the Day" from 12-5:30am MST on KSL-1160. Similar to the Nightowl program on KFI, only better. Many listeners to the program on KSL are interested in DXing so I think a couple of guys (father & son) from San Francisco will be joining soon. Will be a DX Gabfest at Bill Wilson's in San Mateo on Sat. 8/1, from about noon to 5 or 6pm. All are invited. Write to Bill or myself for directions to his house. Hope to have a big turnout. SCers, please be patient. I'll try to answer your requests as soon as possible. No more KOBY SCs. If you really want a KYA SC, send me 25¢ in coin or stamps and I'll buy you the Sunday S.F. Examiner in which the KYA SC appears. Oh, before I forget, when the WX is hot, DX is tops here, believe it or now. Last MM, well actually it was 6/22 it was very hot and WHO was coming in with an S-7 plus signal. Last couple days have been hot here, up around 88°, and for an area that is used to temperatures of under 70° all Summer long, that is hot. Humidity was high, around 60%, and that is high for this area. When I was in S. Calif. talked to CE at KASK, Ontario, and asked him to put on a DX TEST for the NRC. He's willing to do it, some time this Winter. Real young CE, too, likes Top 40 mx, which is great. Took me through the control room, showed me the works, etc. Seems interested in DX. Says XR is best antenna system in the world, rather than the longwire. Hey, John Oldfield, Pat Hartlage, Larry Cowles, and Paul Hoffman, how about writing? Guess my 30 lines are about up so 73s & good DXing.

"AN" SITUATION - OWES

620	K T A R	1230	K I B S	Mms only.	1430	K A R M	Mms only 4am.	
630	C H E D	Mms only.	1240	K F L I	Mms only.	1440	K V O N	Mms only.
730	K F Q D	Mms only.	1260	K G I L	s/off 2:30am	1450	K T I P	Mms only.
	C K L G	Mms only.	1360	K M O	s/off 2am since 7/6.		K O N E	Mms only.
1020	K G B S	On till 4am MM; off other days					K S A N	s/off 3am, MM
1090	X E R B	2-5am off.	1310	K D I A	Off MM 2am, Tues 3am, AN other days @1:30am			
1140	K R A K	Mms only.	1410	K E R N	Off 4am daily, Mms, 2am.	1480	K B O X	Mms only
980	W T R Y			C F U N	Mms only.	1510	K G A	
1230	K R D G		1420	K S T N	Mms only.	1520	K G O N	Off Mms; may-
	K W G		1430	K A L I	Mms only @ 4am. (con'd, P. 15)			be daily.

CHANGES IN STATION DATA - F. C. C.

(Purchased from Seabrooke Publishing Company, Washington, D.C., 20004)

NEW STATIONS

560	Prince Rupert, B.C.	1,000/250 U-1	1240	CBWL	White River, Ontario	40 U-1
850	Crystal Lake, Illinois	500 D-3			Franklin, New Hampshire	250 U-1
1010	CBEA Red Lake, Ontario	40 U-1	1230	Merritt, B. C.	1,000/250 U-1	
	CBEB Manitowadge, Ontario	40 U-1	1350	Clinton, Missouri	1,000 D-3	
1090	CBEC Elliot Lake, Ontario	40 U-1	1460	San Sebastian, Puerto Rico	500 U-1	
1010	CBLD Dryden, Ontario	40 U-1	1590	Centreville, Alabama	1,000 D-1	

NEW CALLS

1230 W B M E Belfast, Maine
 1320 W C L U Covington, Kentucky
 1490 W C O F Immokalee, Florida
 CALL CHANGE - 970 W A N V Waynesboro, Virginia, from WBVA.

FACILITIES

560 C J D C Dawson Creek, B.C., 1,000 U-2. Cancel this permit; CJDC will remain on 1350 kc/s., 1,000 U-1.
 C K C N Seven Islands, Quebec, to 10,000/5,000 U-2, from 5,000 U-3, same chanl.
 580 W B B Y Wood River, Ill. to 1,000/500 U-4, from 500 D-3, same channel.
 610 C H N C New Carlisle, Que. to 10,000/5,000 U-3, from 5,000 U-3, same channel.
 620 C F C L Timmins, Ontario, to 10,000/5,000 U-4, from 10,000/2,500 U-4, same chnl.
 680 C H F I Toronto, Ont., to 1,000/10,000 U-4, instead of previously notified 10,000 N-2. Apparently CHEI will then drop their present operation on 1540 kc/s., 50,000 D-3.
 900 C K D R Dryden, Ont., to 1,000/250 U-1, from 1,000 D-1, same channel.
 1280 C H I Q Hamilton, Ont. to 10,000/5,000 U-4, from 5,000 U-3, same channel.
 1310 W I F E Indianapolis, Ind. Move XR SW, change DA. 5,000/1,000 U-2.
 1400 W I N A Charlottesville, Va. Move XR SE.
 1410 K T C S Fort Smith, Ark. Move XR NE.
 1440 K D N T Denton, Texas. Move XR SE.
 W C H B Inkster, Mich. to 1,000/500 U-4, from 1,000 D-3, including change in their daytime DA, same channel.
 1450 K E N M Portales, New Mexico. Move XR SW.
 1490 W J B S Deland, Fla., to 1,000/250 U-1, from 250 U-1, same channel.
 W S I R Winter Haven, Fla., to 500/250 U-1, from 250 U-1, same channel.
 K B A B Indianola, Iowa, to 500/250 U-1, from 100 U-1, same channel.

HEARD SINCE LAST ISSUE

730	W L O R	Ex-WKTG, now 5,000 U-1	FCC	1330	K V K M	New Night DA	FCC
800	P J B	Bonaire	NRC	1370	K E E N	Now 5,000 U-4	FCC
831	C M C A	Ex-730 kc/s.	NRC		W E L V	Ellenville, New York	NRC
910	W R K L	New City, N.Y.	NRC	1400	K L I N	Now 1,000/250U-1;newsite	FCC
940	W C M D	Shelbyville, Ky.	NRC		K V O P	Now 1,000/250 U-1	FCC
	K W R C	Woodburn, Oregon	NRC	1420	K R E N	Renton, Washington	NRC
970	W I V I	Now 5,000/1,000 U-1	FCC	1440	K D O T	Ex-KWBY	NRC
1090	W C R A	Now 1,000 D-1	FCC		W H H L	Ex-WEBL(changed back)	FCC
1150	W A X X	New XR site	FCC	1450	K V E N	Now 1,000/250U-5,newsite	FCC
1230	K O S A	Now 1,000/250 U-1	FCC	1490	W T T B	Now 1,000/250 U-1	FCC
1240	K P R M	ditto	FCC	1510	W R A N	Dover, New Jersey	NRC
	K B E K	New XR site	FCC	1580	W M T L	New XR site	FCC
1260	W C S A	Ripley, Miss.	NRC & FCC	1590	W C B G	Now 5,000/1,000 U-2	FCC
1280	W Q I K	New XR site	FCC	1600	C J R N	Ex-CHVC	NRC
1300	W E Z Q	Winfield, Alabama	NRC		W T T F	New XR site & DA.	FCC

"AN" SITUATION - con'd from P.14

OFFS-	1540	K P O L	MMS only.	ONS-	690	C B U	NSP	1570	X E R F	NSP
		K X E L	SMS only.		960	C F A C	NSP		C H U B	NSP
	1550	K K H I	s/off 2:15am		990	X E C L	NSP	(most of these sent in by Rich Heald.)		
	1590	K L I V	s/off 4am, MMS, 2.	1230	K G E E	NSP				
ONS-	550	K A F Y	NSP	1090	W B A L	Exc. MM	-----			
	560	K P Q	SPU	1230	W J O Y	Exc. MM	Let's have those reports			
	570	K V I	NSP	1340	K M A K	Exc. MM	for the 8/15 issue, It			
	590	K F X M	NSP	1420	W H K	NSP	will be Ray Edge's last as			
	600	C J O R	NSP	1490	K O W L	NSP	Publisher - make it BIG!!			

Send all " TIPS " To Ev. Johnson-504-16th St. Mendota, Ill. 61342

Freq.	CALL.	" XXXXXXXXXX "
560	WQAM	Miami, Fla Day Pattern at 04:00- (Russ Edmunds-N.J.
640	KFI	Los Angeles, Calif. Off MM 03:00- 7:15-a.m. (R. Edmunds-
920	WBAA	La Fayette, Ind had TT- F/c-2:30- 03:00 S/ff (no Date.
960	WBOC	Salisbury, Md.- R/S 05:45- 00:00- Local Time-Edmunds
960	WSBT	South Bend Ind.- S/off MM at 00:37 (Don Eggert-Ind.
980	WONE	Dayton O- Noted A.N.- 6/28- (Don Eggert- Ind.
1090	WGLC	Mendota, Ill. Possible R/S Aug, 1st-Tower Up- Ev.
1030	WBZ	Boston Mass.- S.P- 01:07- till 06:00- (Russ Edmunds-N, J,
1190	WOWO	Ft Wayne. Ind.- S2P- 01:00- 6:15- (R. Edmunds-N.J.
1200	WOAI	San Antonio, Tex.- S.P- MM-01:0 -06:00- R Edmunds.-
1270	WSPR	Springfield, Mass.- R/S Wk Dys. 04:23- 11:59 P.M.- Sun-06:45- 22:59-P.M.-.R.Edmunds-N.J
1290	WNBF	Binghamton, N.Y.- R/S Wk Dys-04:30-11:15 P.M.-R.Edmunds. Sat- 4:45-11:10-P.M.- Sun-6:20-11:p.m.-
1330	WAGF	Dothan Ala.- R/S 06:0 00:00- R Edmunds
1330	WPOW	New York N.Y.- R/S Wk Dys- 4:30-07:00-16:00-19:00- Sat.- 4:30-07:00- Sun-05:00 10:00-15:00-19:00- Edmunds.
1400	WSHB	Raeferd, N.C.- R/S 5:58- 00:08- R.Edmunds.-N.J.
1430	WNAV	Annapolis, Md No. S.P.
1440	WQOK	Greenville S.C.- S/on 04:00 Edmunds.
1440	KEYS	Corpus Christi Tex.- S/on 07:00 02:00- Edmunds
1460	WPRW	Manassas, Va.- S/on 4:30 Edmunds.
1470	KTWO	Casper Wyo.- R/S 08:00 02:00- Edmunds.
1540	KXEL	Waterloo Ia.- R/S Summer- 06:00- 02:00 Edmunds. Silent Period Winter S.M.
1590	WERA	Plainfield N.J. S/on 05:30. Edmunds.-

The following all from Ralph Johanns- of Buffalo, N.Y.

580	CKY	Winnipeg, Man. is 24 hrs N.S.P Per Veri.
840	WHAS	Louisville, Ky. New 50 Kws tests now R/S 4:58 Sun 5:58 till 00:10-
940	WGRP	Greenville, Pa.- R/S 5 a.m.- Sun. 6:58 July-
1140	CBI	Sidney N.S.- R/S 6-1. A.S.T.-
1150	CKOC	Hamilton, Ont.- is 24 hrs.- with EDT Off MM 12:05-5 a.m.
1160	KSL	Salt Lake City Utah.- is 24 hrs. Off MM 1:05-6:30-
1230	WJOY	Burlington, Vt.- is 24 hrs.- Off MM 12:05-4 a.m.-
1230	WKBO	Harrisburg, Pa R/C- 4th MM-2:45-3- earlier during EDT R/S Wk Dys 5-1 a.m.- SUN 6- 12 Mid.-
1440	CKPM	Ottawa Ont.- R/S on 6/7 with LO Kws.- Dir.N.& 24 hrs.
1440	WHHH	Warren, Ohio.- S/on Wk Dys- 4:28 July
1380	WAMS	Wilmington Del.- Wk Dy S/on 03:58-
1380	CKLC	Kingston Ont. Wk Dy S/on 4:30-
1380	WSIZ	Ocilla Ga.- S/on 5:01-
1470	WJDY	Salisbury, Md.- R/C 4th MM 4-4:15- one hr earlier during EDST.- R/S 4:22- Sun 5:57 till 6 p.m.
1510	CKOT	Tillsonburg. Ont. R/S is 5 a.m. till 7 p.m. July
1510	WINU	Highland Ill. R/C 1st MM 2:15- 2:35- /Cochran-N.S. Can.
630	CFCY	Charlottetown, P.E.I. is now an alnigher with CBC Show.

As you will note, some Convention Data appears on the back of this page. More will be published in the August issue of DX News. In so far as club correspondance has been concerned, it is presently about at a standstill only because Ole Pop has been taking it easy now that the summer schedule is in effect. However because of the coming convention plans to be worked upon and the DX gathering at Dick Coopers home on July 25th and 26th, club business will be taken care of between July 28th and be ready to be presented at the Convention, that, that need be. Because we will have 2 new Officers taking over after the convention I am sure they should be contacted so their opinions can be included, as they will be guiding the club along with Ernie in the future. Thanks.

The first order of business is that Dick Cooper - 411 No. McKean Street - Kittanning, Pennsylvania will have open house for any and all DXers interested. This event will take place on July 25th and 26th and fall on a Saturday and Sunday. Again all are very welcome. Suggest a card be sent Dick if you plan on being there. Kittanning is approx 40 miles north of Pittsburgh and about 20 miles east of Butler, Penna.

Convention Data

The annual NRC Convention will be held in Buffalo, N.Y. over the Labor Day week end which falls this year on September 5-6-7th 1964.

The convention headquarters will be located at the "Kenton Manor Motel" located at 2075 Sheridan Drive - Town of Tonawanda, N.Y., which is a suburb of Buffalo. Its on NY State Route 324 and can easily be reached from the NY Thruway from any direction. Definite directions will be published in the August issue of DX News.

The motel rates are as follows;

1 person	\$8.50	3 Persons-Double & Single	\$13.50
2 persons-Double Bed	10.50	4 Persons-Twin Beds	15.00
2 persons-Twin Beds	12.00	Additional Cots for the	
		small fry are each - - -	2.00

Reservations MUST be made no later than August 15th 1964 and shall be sent to Ray Edge at either his home QRA or the Club QRA. No money need be sent with your reservation, BUT AGAIN YOUR RESERVATION WILL HAVE TO BE IN EDGE'S HANDS NO LATER THAN AUGUST 15th.

The Banquet Dinner will be held on Saturday evening, Sept 5th at 7 PM., at the "Red Lobster" which is located on the motel grounds. The dinner will be a complete meal including all from the entree to desert. You have a choice of the main dish and your choice should accompany your reservation. The choices are; Prime Rib of Beef, Au Jus \$4.00 OR Roast Turkey at \$3.50. These prices include the Gratuity.

REMEMBER ALL RESERVATIONS MUST BE IN EDGE'S HANDS BY AUGUST 15th 1964 for the type of motel unit you wish plus your choice of which main dish you prefer at the banquet. As you will note its a bit cheaper for you lads who might like to double up at the motel, so make your arrangements with any other who are willing and include that information when making your reservation. REMEMBER the DEADLINE is AUGUST 17th 1964.

Those that will arrive by other means of travel that say, Buffalo is a terminal for the New York Central - Pennsylvania and Lackawanna Railroads. (These I know still maintain passenger service) As for the busses, the Greyhound-Trailways plus many others come into Buffalo. Naturally as for flying we have the American-United-Mohawk-Eastern that land here, all at the same air-port. To those of you who come to the convention by other means of transportation than auto, let Edge know when you will arrive and how and there will be someone at your terminal to meet you and take you to the Motel. In the past years some arrived on Fridays which is OK. The same conditions prevail for those that do.

The younger members in Buffalo have planned a trip to different radio stations in the vicinity while a trip to Niagara Falls has been planned by Pop for Sunday afternoon and evening. This trip will take at least 8 or 9 hours and will include eating at the Falls at any of the restruants of your choice. The trip will include taking in the Canadian side and it is suggested that you have some sort of identification with you just in case you are asked to show proof where you were born. This trip will include seeing the colored lights shown upon the falls after dusk and from the Canadian side. The Club business meeting will be held immediately AFTER the Saturday evening banquet dinner. AND PLEASE REMEMBER-RESERVATIONS MUST BE MADE BY AUGUST 15 1964. All welcome.

SUPREMACY RATINGS - JUNE 1964

COMPILED BY HENRY J. WILKINSON, JR., 6620 BEEMAN AVE., No. HOLLYWOOD, CALIF. U.S.A.

DXER	CTRS.	T. VRS.	F. VERS.	S. A.	BEST
1. HANK TYNDALL, VERMONT	154	6350	1210	240	ZP-9
2. KEN MACKEY, NEW ZEALAND	123	2236	2185	39	PRH-5
3. ART CUSHEN, NEW ZEALAND	104	1764	1701	13	HJAD
4. C.M. STANBURY, ONTARIO, CANADA*	90	1312	426	70	CD-89
5. KERMIT GEARY, PENNSYLVANIA	81	4506	753	162	WVDI-2, 50w.
6. HANK HOLBROOK, MARYLAND	81	2081	463	77	ZYB-5, 1kw
7. BEN DANGERFIELD, PENNSYLVANIA	79	266	212	30	"RAPINTIE" 820KC
8. BOB BOTZUM, PENNSYLVANIA	70	4365	490	80	CX-26 2kw
9. STAN MORSE, MASS.*	69	3444	324	40	ZYO-7
10. STEVE JOHNSON, MARYLAND *	63	1158	185	27	CX-44 5kw
11. HINDING GUSTAFSON, ILLINOIS	63	744	200	22	CX-16 10kw
12. ERNIE COOPER, NEW YORK	56	3337	271	53	LS-11 10kw
13. PETE TAYLOR, CALIFORNIA, ETC.	53	1068	193	7	PRE-8
14. DAVE POPE, SOUTH CAROLINA	53	562	98	13	PRB-9
15. JAMES GANGLER, MARYLAND	51	230	112	35	LS-11
16. H.J. WILKINSON, CALIFORNIA ONLY	49	282	246	51	HJCK 1kw
17. NORM MAQUIRE, NEW MEXICO *	48	2813	242	16	HJ1ABN, 1190k 250w
18. GENE ALLEN, CALIFORNIA ONLY	46	2445	329	20	LR-5
19. ROY MILLAR, WASHINGTON *	45	1475	250	17	LS-11
20. RON SCHILLER, NEW JERSEY	44	1378	99	13	CB-73 10kw
21. FRED VANVOORHEES, PENNA. *	42	1417	142	19	LR-1
22. CLARENCE FREEMAN, CALIF. ONLY	40	773	157	11	OAX4A
23. ANDY RUGG, QUEBEC & ONTARIO	38	1180	119	33	CB-73
24. C.P. ATHERTON, MASS. *	35	1803	250	14	ZFY
25. FRED MEYER, MARYLAND *	33	517	35	4	---PICK ONE
26. W.W. WILLIS, CALIFORNIA	32	739	85	14	CP-27 730kc
27. GARY COLLINS, NEW JERSEY	32	261	39	3	ZFY
28. RALPH SPERRY, CONN. *	30	1465	79	12	CX-28
29. RALEIGH BISS, CALIF. & MINN.	29	2399	144	8	OAX4U
30. ROBERT DUGGAN, GEORGIA *	29	951	69	15	YV4RA 1350kc 1kw
31. BILL STONE, ONTARIO	26	2692	159	26	WHICH ONE, BILL?
32. EV JOHNSON, ILLINOIS *	25	2492	110	11	OAX4A
33. SID STEELE, ILLINOIS *	21	2635	103	9	CX-26
34. ALAN MERRIMAN, VIRGINIA	20	344	21	2	ZFY
35. LEN DUNIKOSKI, NEW JERSEY	20	109	19	0	---
36. RAY EDGE, NEW YORK	19	2116	64	5	LR-1
37. FRANK WHEELER, PENNSYLVANIA	19	1478	70	6	PRF-3
38. LARRY SCHWARTZ, CALIFORNIA *	18	603	54	1	HCJB
39. WALTER GOLDY, ILLINOIS	17	2594	118	5	LR-2
40. SAM MCLAUCHLAN, QUEBEC *	16	413	22	3	HJAQ
41. JERRY CONRAD, KENTUCKY	16	355	21	0	---
42. LEN KRUSE, IOWA *	15	3762	77	3	HCJB
43. BOB KARCHEVSKI, MASS.	9	437	11	2	ZFY
44. PAUL HOFFMAN, VA. & OHIO	7	169	11	1	YVLL
45. BILL WOODFIELD, VIRGINIA	7	122	5	0	---
46. RON MUSCO, CONN.	6	208	5	0	---
47. RUSS EDMUNDS, NEW JERSEY	5	87	3	0	---
48. PETE RIZZO, PENNA.	4	143	2	0	---

NOTES

- A---* MEANS I WANT TO HEAR FROM THESE PARTICULAR DXERS TO UP-DATE THEIR LISTS.
 B---NEXT LISTING IS FOR EUROPE. MANY OF YOU HAVE ADDED SOME BANDIES IN THE PAST 6 MOS.
 C---HINDING GUSTAFSON ADDED SENEGAL, LITHUANIA & ESTONIA IN THE PAST MONTH; W.W. WILLIS ADDED B. HONDURAS & TONGA... FRANK WHEELER ADDED BRITISH HONDURAS.
 D---THE MONTH OF AUGUST LISTING WILL SHOW EACH DXER'S VERIES BY CONTINENT. THIS LISTING WILL GIVE A COMPLETE PICTURE OF ALL YOUR VERIES. GET YOURS UP TO DATE!
 E---STILL LOOKING FOR SEVERAL MORE CONTRIBUTORS FOR THIS COLUMN. WHO'S NEXT????

FOREIGN CONTEST

CONTEST MANAGER: BEN DANGERFIELD, 202 GOVERNOR'S DRIVE, CHESTER, PA. 19013

EAST

- 1. SCHILLER ADDS NONE (33 COUNTRIES)..... 411
- 2. DANGERFIELD ADDS HRWV JOHANNESBURG-1286 PIETERMARITZBURG-845 (31 CTRS.)..... 373
- 3. POPE ADDS NONE (23 COUNTRIES)..... 279
- 4. RUGG ADDS NONE (12 COUNTRIES)..... 165

CENTRAL

- 1. WESOLOWSKI ADDS NONE (5 CTRIES)..... 70
- 2. HATHAWAY ADDS NONE (7 COUNTRIES)..... 66

WEST

- 1. MILLAR* ADDS 4WK XET OAX4A 4YA BBC-881 4YZ PRH9 3GI XEWK ALONG WITH (OMITTED LAST TIME BY MISTAKE) 3LO YNX HLCA YSAX KAHU HIL R.AMERICAS 1ZD XENU 2FC 2GL 2CY 2WN KICY (20 COUNTRIES)..... 396
- 2. WILKINSON ADDS JOIC TICA R.MIA-645 (15 CTRIES)..... 239
- 3. FREEMAN ADDS 4QN 2VM 1YA (15 COUNTRIES)..... 215
- 4. BENNETT ADDS NONE (2 COUNTRIES)..... 32

BEN HAS ANNOUNCED THAT HE WILL BE ABLE TO HANDLE THE CONTEST AGAIN NEXT YEAR, AND BETWEEN THEN AND NOW, HOW ABOUT ANY IDEAS YOU MIGHT HAVE ON THE CONTEST? THINK ABOUT IT- IT'S YOUR CONTEST AND WE ALL WOULD LIKE TO SEE ABOUT A HALF A PAGE OF NAMES. SO IF YOU COME UP WITH ANY IDEAS, DROP A LINE TO BEN.

AROUND THE WORLD

ALASKA---APPARENTLY KTKN'S TOWER BLEW DOWN AND THE COMPANY HAS DECIDED TO GO OUT OF BUSINESS RATHER THAN REBUILD. NO OTHER INFORMATION (CHF)

BRAZIL---ZYZZ ON 550KCS WITH 10KW ON AIR(MWN)

BMRWMDI---RADIO CORDAC, BUJUMBURA, NEW MISSIONARY STATION IN LOCAL DIALECTS, FF & EE 0100-0200, 1500-1615 ON 1400KCS (250W) +SW. (WRH)

COLOMBIA---CHANGES AND NEW STATIONS(NZDXT)

580 HJHG CALI (NOT HJND BOGOTA) 890 HJHO SAN ANDRES 10KW "R.ABACOA"
600 HJHU B'QUILLA 10KW "R.LIBERTAD" 1000 HJBU B'QUILLA 10KW "R.NACIONAL"

FIJI---710KC OUTLET NOW BEING HEARD IN N.Z., AS PER RHM A FEW MONTHS BACK (NZDXT)

GUATEMALA---CHANGES, NEW STATIONS, ALL GUATEMALA CITY EXCEPT WHERE INDICATED:

680 TGRT ex-660
800 TGO ex-1140 950 TGAF ex-1060 900 TGRS ex-690
820 TGTO ex-810 1140 TGT ex-1390 (ALL NZDXT)
860 TGX ex-850 1560 TGVE ex-1555

HAWAII---KIMD-850 HAS RECEIVED PERMISSION TO S/OFF 6PM (2300EST) TIL SEPT. 1(FCC)

INDIA---USSR IS APPARENTLY SHIPPING INDIA A MEGAWATT MW XR. INDIA REFUSED OUR OFFER OF THE SAME BECAUSE US DEMANDED 1 HOUR'S TIME PER DAY(MNW)

INTERNATIONAL WATERS---SHIP BY SHIP: (OR ISLAND BY ISLAND): RADIO MANX. NOT ON BOB; ON FM. OFFERED 1594/50W WHICH THEY REJECTED; THEY ASKED FOR 539KC WHICH WAS REFUSED.

RADIO SUTCH IS ON AN ARMY FORT, ABOUT 50 WATTS, 1539-1542KCS (VARIES) POOR SIGNAL. THE PLAN APPARENTLY IS FOR RADIO ATLANTA-1493 (0000-1400) TO STAY ON EAST COAST TO

COVER SE ENGLAND AND FOR RADIO CAROLINE- +1520kc(0000-1500, 1805-2100) TO MOVE TO THE WEST COAST TO COVER NE ENGLAND. THESE ARE THE ONES WHICH ARE ON NOW.(KB/RP)

MALAGASY REPUBLIC---RADIO UNIVERSITE' IN TANARIVE OPERATES ON 1466 (300W) 1000-1430 (SAT. 0700-1100) IN FRENCH (WRH)

NICARAGUA---YNRC-1130 IS ex-900 (NZDXT)

PUERTO RICO---THREE NEW CP'S: SAN SEBASTIAN ON 1460-500WATTS; IN SAN JUAN ON 1190 10KW DA-2; AND IN BAYAMON ON 1600 WITH 1KW DA-1; NO CALLS FOR ANY YET (FCC)

EL SALVADOR---YSTW-970 IS ex-YSY, SAN SALVADOR (MWN)

SWAZILAND---NEW STATION AT MATSUPA, CALL "TIGER RADIO" WITH 250W, OPERATED BY BRITISH ARMY. NO FREQ. GIVEN (WRH)

UNITED KINGDOM---BBC HAS GAINED PERMISSION TO EXTEND BROADCAST TIME FROM 5:30 TO 2AM BRITISH TIME AND ALSO TO EXTEND THIRD PROGRAMME SKED (LIGHT PROGRAMME (/)) (MWN)

VIRGIN ISLANDS---WIVI-970 NOW IN OPERATION WITH 5KW-D/1KW-N NON-DIRECTIONAL (FCC)

INTERNATIONAL WATERS, MORE. RADIO SUTCH 0600-0815, 1100-1400; 1815-2015. ADDRESS IS 7 DENMARK STREET, LONDON W.C.2. SLOGAN: "BRITAIN'S FIRST TEENAGER STATION."(RSDXB)

- 540 XEWA SAN LUIS POTOSI, MEXICO EASY EVES TO 0110 s/OFF WITH ANOTHER LA (RFS-PA)
- 550 OMAN PINAR DEL RIO, CUBA "R.REBELDE" HERE FROM 840 REPLACING DELETED CMQY; DOMINANT MMS AND HEARD ALL AMS RELAYING "LA VOZ DE CUBA" (RFS-PA)
- 580 TGY GUATEMALA, BUATEMALA "R.PROGRESO, LA ONDA DE LA ALEGRIA" EX-590 (RFS-FLA)
- 630 HOA23 CHITRE, PANAMA "R.PANAMERICANA" NOW ON AIR RELAYING HOA-700 (RFS-FLA.)
- 640 HJBJ SANTA MARTA, COLOMBIA RUMBLES WEAKLY UNDER CMQ EVES (RFA-PA.)
- 645 HOS22 PANAMA CITY, PANAMA "GRAN CADENA DE LA LIBERTAD" APARTADO 5117. VERIE FOR 1/20/64 REPORT. ALSO "RADIO MIA." SISTER STATIONS LOS SANTOA-920, DAVID-980 AND COLON-1150 (HJW)
- 660 CMHG SANTA CLARA, CUBA "R.PROGRESO" EX-670. HEARD MMS W/"LA VOZ DE CUBA" (RFS-PA)
- 670 HJNX MEDELLIN, COLOMBIA COVERS ALMOST 100% MM 6/8 BY CUBAN ANER ALTHOUGH OCCASIONAL BITS OF HJNX WERE HEARD. DID WESTERNERS HAVE ANY LUCK? (BD)
- 685 TG.. ... "RADIO CARIOCA" A NEW ONE APPARENTLY AND WITH FREQUENT IDs NOW BEING HRD NIGHTLY AND USUALLY QUITE STRONG (BD)
- 720 HOH5 CHITRE, PANAMA NEW HOHM-640 RELAY HEARD 5/11 (RFS-FLA)
- 730 XEX MEXICO CITY, MEXICO CINCH HERE EVES TO 0100 (RFS-PA)
- 740 YVNC MARACAIBO, VENEZUELA "R.MUNDO" NOW 10KW ϕ BLASTING IN (RFS-FLA)
- 742 TGVA ANTIGUA, GUATEMALA IS THE ONE HERE RELAYING TGY-580 (RFS)
- 764 DAKAR, SENEGAL HEARD WEAKING ON CLOCK RADIO 6/29 W/CHANTING 0140 (RFS-PA)
- 773 CAIRO, U.A.R. SENT REGULAR V/C FOR 3/23 REPORT; #2 FROM EGYPT (BD)
- 780 4YA DUNEDIN, N.Z. FAINT 4/20 0400-0430; NOTHING REPORTABLE (RFS-FLA)
- 782 CSB9 PORTO (MIRAMAR) PORTUGAL STILL HEARD EVES, WEAKLY, S/OFF 2000 (BD)
- 790 CMCH HAVANA, CUBA "R.CADENA HABANA" EASILY NOTED WITH FAM. TIME GONG U/WAEB (RFS-PA)
- 800 PJB.. BONAIRE, NETH.ANT. "TRANS-WORLD RADIL" HRD 6/29 1945-2030, CLASSICAL, IDs EVERY 5 MIN. WAY OVER CKLW. EASY MOST EVES (BD); PROBABLY TTTERS DROWNING OUT CKLW EVES (RFS-PA.); HEARD WITH MUSIC & 1000 CYCLE TONE AND FREQUENT TAPED IDs 6/21-22 UP TO 2200 (BF) (NO RS YET HUH? - PT) RADIO NETHERLAND'S SW PUBLICATION SAYS BONAIRE HAS BEEN ON RS FOR SOMETIME NOW WITH SS FROM 1830; DUTCH 1930-1940 AND EE 1940-2030. SEND REPORTS TO RADIO NEDERLANDS, Box 222, HILVERSUM, HOLLAND (DE)
- 820 HJED CALI, COLOMBIA IN LIKE "POW" 1900-0500 DROWNING OUT WFAA/WBAP (RFS-PA)
- 830 CMCA HAVANA, CUBA EX-730, USUAL TRASH (RFS); SAME OLD STUFF, OVER & UNDER WNYC MOST EVES, FIRST NOTED 7/6. WHERE'S CMBZ? NO REPORT, NO PARTICULARLY WANT TO GIVE ANY AID TO CASTRO. CUBA STILL UNVERIFIED AT THIS DEN (BD)
- + 840 HJBI SANTA MARTA, COLOMBIA OFTEN OVER WHAS EVES (RFS-PA)
- +835 HRSP TEGUCIGALPA, HONDURAS "R.ISTMANIA" IS THE ONE HERE (RFS-FLA)
- 845 PIETERMARBURG, S.AFRICA VERIE IN FOR 4/28 REPORT; V/S LOOKS LIKE C.H. SMITH. #2 S.AFRICA. ROME IN FOR AWHILE 2045 7/6 SO POSSIBLE IN SUMMER (BD)
- 850 HJKC BOGOTA, COLOMBIA MOSTLY DOMINANT EVES W/ESSO NEWS, ETC. (RFS-PA)
- CMKC SANTIAGO DE CUBA HARDEST TO HEAR "VOZ DE CUBA" RELAY MMS (RFS-PA)
- 860 PRA3 RIO DE JANEIRO, BRAZIL "R.MUNDIAL" IN LOUD BRIEFLY 6/2 0120 (RFS-PA)
- 880 TGJ GUATEMALA, GUATEMALA IN WELL WITH MARIMBA MX 6/2 0110 (RFS-PA)
- 900 XEW MEXICO, MEX. OFTEN OVER CHML PAST 2300 (RFS-PA)
- 910 YVRQ MAIQUETIA, VENEZUELA IN FAIR MMS W/USUAL MX & SEXY ANNCR: "R.AEROPUERTO-ONDA LA HORA" NOTE NEW CALLS (RFS-PA)
- 920 CMJL CAMAGUEY, CUBA LOUD AND CLEAR MMS RELAYING "LA VOZ DE CUBA" (RFS-PA)
- 930 CMBM SANTE FE, CUBA "R.MUSICAL NACIONAL" HERE DAYS FROM 1158 (RFS-FLA)
- 960 CMGF MATANZAS, CUBA "R.REBELDE" EX-930 (RFS-FLA)
- ZFB1 PEMBROKE, BERMUDA IN LOUD W/RR PGM EVERY AM (RFS-PA)
- XELQ Cd. OBREGON, MEXICO "R.I-Q" (EE-COO) LOGGED 3/25 0120 U/ZFB1; 2ND BEST XE (RFS)
- 1005 4VCPS PORT-AU-PRINCE, HAITI "RADIO CACIQUE" (CAH-SEEK) HERE FROM 990. ID'S WITH CALLS "NBC" CHIMES, ETC. (RFS-FLA)
- 1020 CMBN SANTA FE, CUBA "LA VOC DE LA ISLA DE PINOS" EX-1070. RELAYS "NOTICIERO CMQ" AND ANNOUNCERS ARE MOSTLY KIDS (RFS-FLA)
- YVQB CUMANA, VENEZUELA ~~XXXXXXXXXXXXXXXXXX~~ IN CLEAR MMS 0000-0030 (RFS-PA)
- ZY.. CURITIBA, BRAZIL "R.CAMPOS GERAIS" HRD 2/3 0325 U/KGBS (RFS-FLA)
- 1050 XEG MONTERREY, NL MEXICO ~~XXXXXXXXXX~~ EASY U/WHN EVEN IN NYC! (RFS-PA)
- 1060 CMBQ HAVANA, CUBA "R.ENCICLOPEDIA POPULAR" IN FAIR MMS (RFS-PA)
- 1110 XERCN MEXICO, MEX. IN LOUD MMS (RFS-PA)
- 1150 XEJP MEXICO, MEX. IN LOUD MMS (RFS-PA)
- 1170 PRO9 CAMPINAS, BRAZIL "R.EDUCATORA" HRD 2/3 0325 IN CLEAR (RFS-FLA)
- 1185 HRWW SAN PEDRO SULAS, HONDURAS "LA VOZ DE CENTRO AMERICA" SENT EE V/L FOR 4/12

#6. F/UP DID IT. V/s J.J. SIKAFFY, GM. NICE PENNANT, TOO (AR); LETTER & PENNANT FOR 10/26/63 REPORT FOLLOWING 4/15 F/UP. MGR AS ABOVE (BD)

- 1195 TICA SAN JOSE, COSTA RICA VERIE LTR & IR MAILED FOR 2/11 REPORT. V/s IS LUIS A. CORELLA M., SUB-GERENTE. "RADIO COLUMBIA" (HJW)
- 1210 KZOO HONOLULU, HAWAII LOGGED 2/3 0215-0235 w/ID IN JJ (CALLS IN EE) 0230 (RFS-FLA)
- 1285 YNRPS GRANADA, NICARAGUA HERE, EX-1575) (RFS-FLA)
- 1286 JOHANNESBURG, S.AFRICA v/c FOR 4/28 LOG. DEFINITE. HEARD SIMULTANEOUSLY w/ 845 KCS AND THIS WAS MY 3RD S.AFRICAN (BD)
- 1334 CMKY PUERTO PADRE, CUBA NOTED HERE (RFS-FLA)
- +1385 PJB2 BONAIRE, N.W.I. IS SS UNDER 4VS HERE EVES (RFS-FLA)
- +1520 CMKT VICTORIA DE LAS TUNAS, CUBA "LA VOZ DE TUNAS" ON AIR (RFS-FLA)
JOIC TOYAMA, JAPAN VERIE RECD 6/8 FOR 3/23 REPORT. VERIE #74 FROM JAPAN AND ONE OF MY BEST ASIAN VERIES AT 1KW (HJW)
- +1466 3AM2 MONTE CARLO, MONACO S9+ 6/18 TO 2000 s/OFF SO IT CAN BE DONE IN SUMMER (BD)
- 1570 XERF ACUNA, MEXICO POWERFUL & CLEAR 2/29 w/CKLM OFF; INSANE ANNCR w/RR (RFS-PA)
.... PAU DOS FERROS, BRAZIL RELAYS ZY123-900 IN NATAL; NO LUCK LOGGING ZY123, LOGGED THE RELAY IN FAIR (RFS-FLA)
- 1580 XEDM HERMOSILLO, SON. MEXICO VERY LOUD MMS (RFS-PA)
- 1590 CMDF MANZANILLO, CUBA "R.MANZANILLO" ON AIR (RFS-FLA)
- 1600 CUBAN JAMMER RUNDS DX HERE TOO (RFS-PA)

REPORTERS (AR) ANDY RUGG, 16 LAKE BREEZE, POINTE CLAIRE, QUE.; (RFS) RONALD F. SCHATZ, 7012 ROOSEVELT BLVD., PHILADELPHIA, PA. 19149; (BD) BEN DANGERFIELD, 202 GOVERNOR'S DRIVE, SPROUL ESTATES, CHESTER, PA. 19013; (HJW) HENRY J. WILKINSON, JR., 6620 BEEMAN AVE., No. HOLLYWOOD, CAL.; (BF) BOB FOXWORTH, 69 ELM ST., SUMMIT, N.J. 07901; (DE) DON EGGERT, 1925 E. BOWMAN ST., So. BEND, INDIANA 46613; (CHF) CLARENCE H. FREEMAN, Box 12, HUGHSON, CAL. 95326; (RSDXB) RADIO SWEDEN DX BULLETIN, Box 955, STOCKHOLM 1, SWEDEN; (FCC) VIA SEABROOKE PRINTING CO., WASHINGTON, D.C.; (NZDXT) N.Z. DX TIMES, FROM N.Z. RADIO DX LEAGUE, Box 1356, CHRISTCHURCH, N.Z.; (WRH) WORLD RADIO-TV HANDBOOK, HELLERUP, DENMARK; (MWN) MEDIUM WAVE NEWS c/o KEN BROWNLESS, 7 THE AVENUE, CLIFTON, YORK, ENGLAND; (KB) KEN BROWNLESS AS ABOVE; (RP) ROY PATRICK, 8 SIDNEY STREET, DERBY, ENGLAND

THE BELOW ARE TUESDAY AFTERNOON ARRIVALS:

- 640 LYX Alexandra, NEW ZEALAND s/off 0623 6/15 in chain with other NZBC (RHM)
- 660 CB66 Santiago, CHILE s/on 0600 6/27 ID "R.Chilena" (RHM)
- 700 2NR Grafton, NSW AUST. fair level 7/1 0600-0610 (RHM)
- 760 CB76 Santiago, CHILE logged 6/15 0600-0620 (RHM)
ZFY Georgetown, Br. GUIANA good level w/ID 1955 7/5, poor modulation, in clear (GN)
- 782 CSB ~~Minnar~~, PORTUGAL clearest & steadiest ever heard from them, 1950 7/5 (GN)
- 790 XESU Mexicali, BC MEX. s/on 0600 6/1, soon covered by CFCW/ET (RHM)
- 795 Black Rock, BARBADOS nice level 2010 7/6 w/"Johnny Dollar" (GN)
- 830 CMBZ Havana, CUBA in EE 2100 eves (DE) (This is now CMCA Don ex-730-pt)
- 840 Castries, ST. LUCIA very good in FF 2000 w/ID 6/29 (GN)
- 845 Rome, ITALY v/q for 1/21 3/3 (best, 21 min) & 3/9. RAI card, no freq. (HR)
- 885 Radio MONTSERRAT fair to poor around 2000 6/29; positive ID recorded 2008; shallow modulation a la Antigua-644; sounds low powered, 250w? (GN)
- 908 UNID TA here 2020, too weak to read, probably BBC 7/5 (GN)
- 960 XEROO Cetumal, Q.R. MEX. air verie; v/s Jaime Rubio Gomez, Gerente (HTT)
- 1000 TICCN San Ramon, C.R. returned IRC card signed by Carlos Cordoba, Prop. Typed in red "Remite: TICCN." "R.Cima" listed as TICEC, also TICCR. Comments? (HTT)
- 1035 4VEF Cape Haitien, HAITI sked indicates s/on 7 days 0530, SS til 0630. V/s was Leone Wallace (RHM)
- 1070 LZB Auckland, NZ atop CBC/AN relay 6/29 0620-0640 (RHM)
- 1160 CP25 Santa Cruz, BOLIVIA s/on 6/22, 0600 giving SW & MW freqs and ID "R. Centenario en Santa Cruz" WRTVH says 250w. Over \$2 invested in reg/air report w/return air/post & 25¢ folder of Wash. state pix. I really want this verie! (RHM)
- 1180 HJGK Bucaramanga, COLOMBIA def ID "R. Santander" 6/7 0330 (Sun AM-noWHAM) (RHM)
- 1190 XEWK Guadalajara, MEX. verified w/nice ltr, cards, Pedro Lomeli N., XELGGH, Apto Postal 1203 (RHM)
- 1180 EFE34 Las Palmas, CANARY IS. air verie by Cristobal Campos Suarez, Sec. Encl QSL w/islands embossed in gold. "R. Atlantica" Got EAJ50 few years ago (HTT)
- 1571 CSB81 Santa Maria, AZORES v/q for 1/4 report. Nice card confirms 191 mb. Heard poorly but continuous for 20 min prior to s/off (HR) / (HR) Hal Robie, 351 South St., Medfield, Mass.; (HTT) Henry T. Tyndall, Jr.; (GN) Gordon Nelson, 19 Irma Ave., Watertown, Mass. (RHM) Roy Millar, Box 91, Marysville, Wash./73s til next month-pt

IDENTIFYING AND ELIMINATING SPURIOUS RESPONSES

An NRC Extra

by Ed Sattorfbwaite, Jr.

For the purposes of this paper, a spurious receiver response is a signal heard on a frequency other than that upon which it is being broadcast. Such responses are a source of considerable difficulty in ECB listening, especially in areas with several nearby, high-powered transmitters. Their most common causes will be considered below.

TRUE IMAGES

Cause: The cause of images was briefly discussed in a previous article on receiver theory. Recall that in a superhetrodyne receiver there is a local oscillator, the output of which can combine with an incoming signal 455 kc. (for example) lower and higher in frequency to produce an output at 455 kc. which will be amplified by the IF stages. In general, only one of these possible outputs (usually from the station lower in frequency) is desired, but if both reach the detector, both will be heard.

Characteristics: Strong local stations are heard at frequencies twice the IF frequency below their actual frequency. With a 455 kc. IF, for example, a strong local on 1570 would be heard at $1570 - (2 \times 455) = 660$ kc. (Actually, because of inexact IF alignment, the signal could be heard up to 20 kc. removed from this frequency.) Occasionally, in severe cases, images will result from the second (or higher) harmonic of the local oscillator. Thus when the receiver is tuned to 540 kc., the oscillator is on 995 and its second harmonic (i.e., 2-multiple) is 1990 kc. A signal of this frequency is sometimes fed to ~~xxx~~ the mixer also. If a strong local is operating on 1530 or 1540, output might be obtained on 460 ($1990 - 1530$) or 450 ($1990 - 1540$) kc, frequencies near enough the IF frequency to cause interference. The following test will indicate image trouble. Determine the IF frequency of your receiver (almost always 455 kc. on modern commercial sets). Tune to the strongest local station ("A") operating on or above 1450 kc. Peak its signal with the antenna trimmer if you have one. Subtract from A's frequency twice the IF frequency and tune to the frequency thus determined. If station A is heard here (plus or minus 20 kc.) true images are at least one cause of spurious responses. If station A is not heard, it is unlikely that other signals are true images.

Cure: The solution to the image problem is obviously to prevent the undesired signal's reaching the mixer. There are two approaches to this. The first is to increase RF selectivity. Many cases can be cured with an antenna tuner, for unless the antenna and receiver are matched in impedance, maximum selectivity of any existing RF circuitry is not obtained, and most BCB antennas are not well matched. Another possibility is to add one or more outboard tuned RF stages (i.e., a preselector). This is a more expensive and complex solution, however. In addition, most published preselector designs emphasize high gain instead of high selectivity, and the tubes typically used (the 6AK5 and 6CW4 are, unfortunately, current favorites) are extremely susceptible to cross modulation (vide infra). On the BCB, such preselectors create more problems than they cure unless you are far from any powerful transmitters. In using either of these devices, of course, one merely peaks the desired signal with the external tuning control(s).

The second approach is to place a trap between the antenna and receiver that will block the undesired signal while letting the desired one pass with relatively little attenuation. Such a device is generally somewhat more effective (for comparable complexity) as an image eliminator, and very simple circuits can be constructed with a fairly sharp and deep null. In use, one tunes to the interfering station, ~~the~~ tunes the trap for minimum signal, and then tunes back to the desired signal without changing the trap setting.

A simple device which can be used as both an antenna tuner and a trap will be described shortly in DX News.

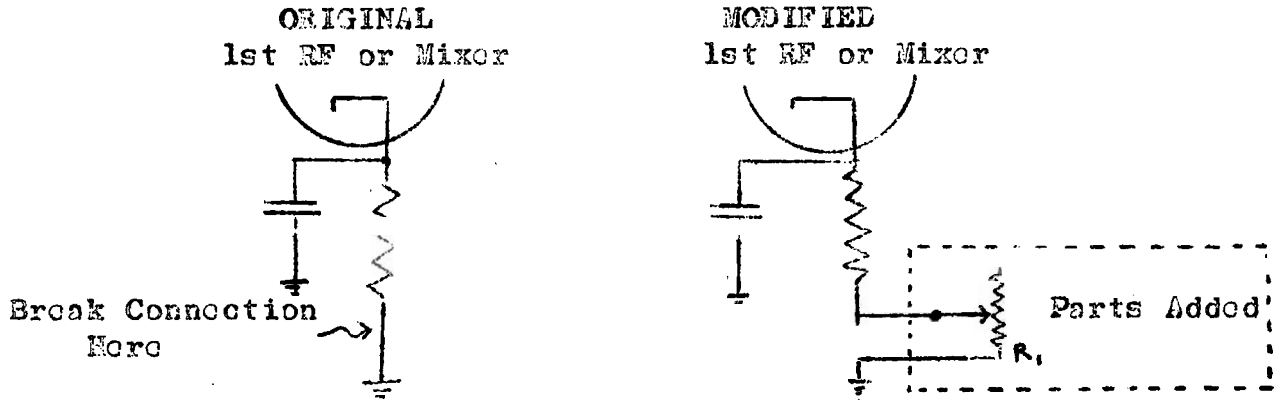
CROSS MODULATION

Cause: Basically this type of spurious response results from a severe overload of the receiver. From a very simplified viewpoint, the following happens. An RF amplifier is tuned to a fairly weak signal. A very powerful local is operating on an adjacent channel. Since no RF stage has perfect selectivity characteristics, its signal reaches the amplifier tube also. If the local is strong enough to overload this stage, the tube will begin acting as a mixer and (1) recover the audio from the strong local as the second mixer (detector) usually does and (2) use this audio to modulate the desired signal as a transmitter usually does. Now when the desired signal reaches the detector, audio from both stations will be recovered, and that from the local will sometimes be considerably stronger. Such overloading ~~x~~ can also take place in the first mixer (converter) and/or IF stages.

Characteristics: In severe cases of cross modulation, the audio of the strong local station is heard when tuned to stations on adjacent frequencies (and generally not between such stations). "Adjacent" in this case ranges from 10 or 20 to several hundred kilocycles away from the local's frequency depending on the severity of the problem. It is usually most noticeable on weak signals, but it also can appear on strong ones. In other cases, only the local's voice peaks are heard on adjacent stations. This is difficult to distinguish from overmodulation at the transmitter and from the sideband splatter characteristic of any strong signal. In cross modulation, however, the local is heard only when tuned to another station (not between stations), and often the interference disappears as the RF and/or IF gain is decreased. In an effect quite similar to cross modulation, strong locals overload ~~x~~ the receiver and make it seem insensitive (block) on adjacent channels, although the audio interference is not present. Thus when checking for cross modulation, it is often found that, despite the reduced gain, the strength of the desired signal suddenly increases at the point the interference disappears.

Cure: On the PCB, cross modulation can be reduced or eliminated in a number of ways. These all decrease the receiver's maximum sensitivity, but in the present state of the band, they will seldom, if ever, decrease the usable sensitivity. The simplest method of doing this is to decrease the gain of the first tube (RF or mixer) in the set when cross modulation is encountered. If the receiver has an RF gain control, just turn it back until ~~x~~ the trouble disappears, and compensate by increasing the audio gain if necessary. If the set has no RF gain control and

you can handle a little soldering, one can easily be added according to the following diagram:



Suggested parts list:

- 1 potentiometer, 25,000 ohms (Ohmite CU2531 or similar) R_1
- 1 knob, for $\frac{1}{4}$ " shaft
- insulated hook-up wire, as needed
- 1 plastic cabinet, about 3"x3"x2" or larger (optional)

If you wish to avoid drilling the front panel, the potentiometer can be mounted in a small box and connected to the RK by two leads (lead length is not critical here). If yours is an AC DC set, use an insulated box and knob, and be sure to return the ground lead to its original connection, which is not always the chassis in such sets. A less expensive potentiometer may be used, but many of these tend to become noisy after some use.

A somewhat better solution is to attenuate the local signal before it reaches the receiver. The receiver can then be used with normal gain settings; this seems to reduce noise and distortion. Attenuation can be by a resistance pad or by a tunable trap as mentioned under "Images." In these cases, the desired signal will be attenuated also, but in most cases the overall effect will be improved readability. Additional possibilities are to switch to a shorter antenna when tuning adjacent to locals or to ~~place~~ place the local in the null of a loop antenna.

Certain changes in receiver circuitry can sometimes reduce cross modulation also, but these are rather specialized and involved; they will not be covered here. As noted previously, sharp-cutoff tubes such as the 6AK5, 6AC7, and 6CW4 should be avoided in both receivers and preselectors on the ECE.

INTERNAL MIXING

Cause: Internal mixing is another possible result of receiver overload. In this case, both signals involved are at RF frequencies, however. For example, if signals on 600 and 1000 kc. reach a stage and are strong enough to overload it, that stage will act like a very non-selective mixer. Thus the first mixing products are $600+600=1200$, $1000+1000=2000$, $1000+600=1600$, and $1000-600=400$ kc. These "first" products may interact with themselves to produce unwanted signals on, e.g., $400+400=800$, $1000+400=1400$, $1600-400=1200$ kc., etc. If the receiver is tuned to one of these frequencies, both stations involved will possibly be heard (although one is often very much stronger than the other). In addition, if the receiver is tuned to 690 kc., the 1600 product might be heard for the same reason true images are heard. Thus the situation is quite

complex.

Characteristics: Spurious responses due to mixing are best identified by the frequency relationships involved, although, as shown above, these are not always obvious and unexpected combinations may be quite strong. In addition, it is sometimes difficult to distinguish internal and external mixing. This problem is discussed under "External Mixing." Internal mixing is most likely, however, when the two unwanted signals and the resultant are on approximately the same frequency. Thus if A and B are within 100 kc. or so of each other, the combinations $2A-B$ and $2E-A$ are especially common.

Cure: It is obvious that internal mixing will be reduced both by reducing receiver overload and by preventing unwanted signals' reaching the receiver (i.e., increasing RF selectivity). Thus measures described under both "Images" and "Cross Modulation" should be effective.

EXTERNAL MIXING

Cause: Same as internal mixing, except the mixing takes place before the signal reaches the receiver. Any non-linear circuit element can act as a mixer under the proper conditions; unfortunately, this includes corroded or otherwise electrically poor contacts between two metallic conductors. If these conductors are of the length and position required of good antennas, they will intercept two (or more) signals, mix them, and reradiate them locally.

Characteristics: External mixing is probably the most common cause of spurious signals on the ECE. The strength of any particular mixing combination depends mainly on the physical dimensions of the conductors involved, and rather complex combinations often appear with surprising strength. The following tests usually distinguish internal and external mixing: (1) Internal mixing frequently disappears as the receiver's gain or input is reduced. (2) Nulling one of the signals involved on its true frequency (with antenna trap or loop) will reduce internal mixing but have little effect on external mixing (except by chance with a directional loop). Generally a signal resulting from external mixing behaves in all respects as a single signal actually being broadcast on that frequency.

Cure: The only cure for external mixing is locating the semi-conducting contact involved and then eliminating it. Both aspects of this pose problems. Sources of external mixing can be extremely hard ~~XXXXXXXXXXXXXXXXXXXX~~ to find, since there are many possibilities and a poor contact is often not obvious on inspection. "Prospecting" with a small transistor radio, equipped with a sharply directional antenna and tuned to a mixing product, may be of some help. Common culprits are rain gutters, metal roofs, above ground piping, and overhead wiring of all sorts. Also, don't neglect your own antenna and lead-in -- all joints should be clean and, if possible, well soldered. Once you find the contact, the two conductors involved should be electrically bonded. The best bond is probably a heavy wire braid (such as that used with automobile batteries) soldered to each side. This will often not be possible however, and any other possible measures to improve the contact, such as removing the corrosion, must be used instead.

IF FEEDTHROUGH

Cause: Signals being broadcast on the receiver's IF frequency are insufficiently attenuated by the RF and mixer circuitry; thus they reach the IF amplifier where they are amplified and eventually appear in the audio output.

Characteristics: 455 kc., the most common IF frequency, is part of a band used for ship-to-ship and ship-to-shore traffic transmitted in Morse code. Monitoring has indicated that it is a relatively popular frequency on the mid-Atlantic coast and that most of the code heard in that area on the ECE is from this source. This may not be true in other areas, especially those well removed from shipping lanes. Direct monitoring of the IF frequency with a long-wave receiver and comparison is the most positive identification. Morse code signals that are not affected (except in pitch) by a receiver tuning and appear as a background to many stations are probably from IF feedthrough. Generally speaking, such interference will not be constant but will appear on a rather erratic schedule.

Cure: Methods discussed under 'Images' are completely applicable to IF feedthrough. Any antenna traps should be adjusted to the IF frequency; if no better method is available, tune for minimum code background signal to adjust the trap.

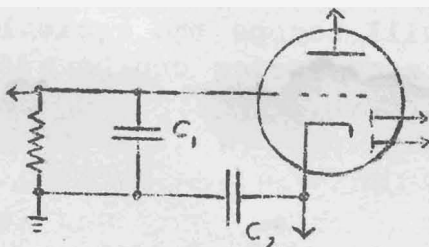
AUDIO RECTIFICATION

Cause: At high frequencies, the wiring of a receiver itself is a fairly effective antenna. In some cases, it will pick up strong local signals. If these reach the second mixer (detector) stage, their audio will be recovered and heard in the receiver output.

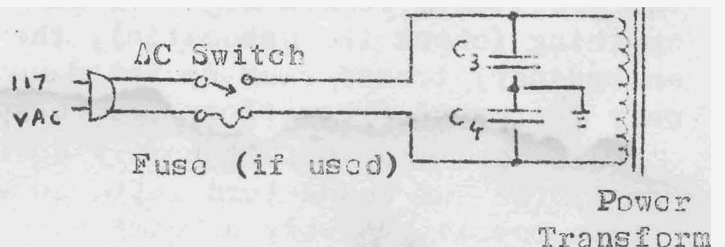
Characteristics: Since the receiver's RF circuitry is not involved, such interference is completely independent of receiver tuning. In some cases, it is even independent of the setting of the audio volume control. Audio rectification can also be recognized from the stations involved; in most cases, they will be very nearby and broadcasting in the shortwave and/or VHF bands.

Cure: Small capacitors wired across the bias resistors of receiver audio stages as indicated below (A) will eliminate most audio rectification. Keep capacitor leads short. By-passing the AC line to ground as shown in Figure B will help prevent entrance of RF signals on the line cord. If you hesitate to work on your receiver, a radio-TV serviceman should be able to make the additions indicated easily and inexpensively.

A. Detector First Audio



B. (Transformer sets only)



Suggested Parts List:

- C₁ 500 pf. disc ceramic capacitor (Sprague 5GA-T50 or similar)
- C₂ 0.1 mfd. 400v. paper capacitor (Sprague 4PS-P10 or similar)
- C_{3, C₄} 0.01 mfd. 400v. paper capacitor (Sprague 4PS-S10 or similar)

Shielding is also effective; if the receiver has a metal cabinet, make sure all x panels are in good electrical contact, and that there is a good connection to ground.

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This paper has covered the more common causes of spurious response. There are, of course, always exceptional cases, but it is hoped these notes will prove useful in solving most problems. I will be glad to supply more advanced references, covering both theory and 'how to do it' to anyone interested. Most of these come from the amateur radio literature.

A WORD OF CAUTION

No DXer should attempt repairs or modifications of his receiver unless he has some familiarity with electronic circuits and construction (Kit building is an excellent background). In all cases, remove the AC plug and discharge the filter capacitors before doing any such work (except, of course, alignment). Both AC line voltage and receiver E⁺ can be fatal under certain conditions.

AC-DC receivers present a special problem. The actual circuits vary somewhat, but in nearly all it is possible at some times for full AC line voltage to appear on the chassis (and any exposed metal parts connected to it) either normally or due to component failure. Such sets are quite common; nearly all inexpensive 4 or 5 tube home radios are of this type as are the communications receivers listed below (this list may not be complete, but it covers the more common sets):

National: SW-54, NC-60, NC-46, NC-33

Hallcrafters: S-120, S-38 (all models), S-51, S-52, S-72, S-77, S-

As manufactured, such sets are quite safe, although the cabinet can become a shock hazard in the event of component failure unless it is completely insulated from the chassis. Use extra care and follow manufacturer's instructions in making antenna and ground (if any) connections in such cases. Also use caution in connecting external accessories; in most cases, this means they should have no exposed metal parts. \86

The hazard associated with such sets can be greatly reduced by operation through an isolation transformer. A 50 watt unit (Allied Radio/Knight 61 G 426) will be satisfactory for home sets and all receivers above except the NC-46, which requires at least 65 watts. In this case, the chassis can and should be grounded. If you can connect the receiver's common negative bus to the chassis also without shorting anything (check the schematic), the set will become the equivalent of an ordinary transformer operated set and accessories can be added with only the usual precautions for electrical work.