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## NATIONAL RADIO CLUB

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

## Volume 31 - Number 28

April 11, 1964
Here is my $\$ 4$ for the DX NEWS. The DX NEWS has added at least 25 new stations to my Log. My only regret is that the year isn't any longer. Then I could enjoy wore DX


Carlo Howington
Ster Krieger
RENE VIALS
$\mathrm{Kc} / \mathrm{s} \quad \mathrm{S}_{-} \mathrm{P}_{-} \mathrm{E}_{-} \mathrm{I}_{-} \mathrm{A}_{-} \mathrm{I}_{-} \mathrm{S}$
Sat. April 18 KWFT
Mon. April 20 WC W C 1600
Mon. April 27 K YA* 1200
Sun. April 19 KY OK
1590
Our Thirty-First Season LONGS FOR THE DONG YEARS



#### Abstract

NENSes per year! - Dick Mussel - So Alice Avenue - Lynn, massacmasetts - 01902


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\text { Jim Dionne - } 35 \text { High Rock Street - Nestwood, Nassachusetts }
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Latest DX: 3/24-6:18 km, Senegal, $764 \mathrm{kc} / \mathrm{s}$. , very strong till fade out at 6:50, FF. 7:00m, 770, SS o MABC ID as Barcelona? 3/25- Sengal logged asein, same time. 7:IOpm, $720 \mathrm{kc} / \mathrm{s} .$, Radio Rebelde o/VGN SS, LA programming. QTH? $3 / 27-9: 19 \mathrm{am}, 730 \mathrm{kc} / \mathrm{s} .$, WDOS -/WACE. $3 / 28,12: 10 a m$, WCLS-1580, to $12: 17 \mathrm{~s} / 0 \mathrm{ff}$, then KLOU 12:20-12:40 rr. At 12:10 on most of the AN, XERF-1570 very strong u/CLKM, EE with SS/EE IDs on the hour. on 1550 from 1:07 to $2: 00$ or so, tester o/CEE with no IDs, darn. YNOR-1230 rr 2:32-2:45 fadeout. WrYT logged agein for verie. WFOK-1440 at 3:00. WENZ-1450 in quickly at 3:40-3:45. MMBD-14YO, WCIN \& WLEE 1480, all strong, 3:15. VENS-1460 u/MADD 4:00, and WMBR-1450 rr u/both. Veries from WDMV WHAY WPME YKBN WHPE WPOW all v/q. WCOU-PP f/up and DJ from WDEF delivered three QSLs in return for a PP card (personally, that is). Last 11/25 on 1100 an SS at 4am, "Fadio Yurrop" Anyone know what that is? EST was given in frequent time checks. Also a "Radio Nacional" same date on 780 ith long NX program in ss. Thought it was Cuba, maybe not. Am interested in corresponding with other members my age (15). Am also an amateur, KimEM, with over 180 countries worked. So long for now, and hope to catch onto the Miusings routine, hi. Now back to the Heath AR-3. 73. (Felcome to NRC, Jim, and I'd say you've already caught onto the Musings routine - nice $r$ 三port - we hope for more! -EFC)

Curt Engberg - 14 gpringhill Road - Way land, Massachusetts - 01778
My first usings. As a new member one month ago my only regret is that I did not know of the existance of this wonderful organization 25 years ago!. My first log came from Fadio Guide magezine back in '36 and Stevenson's Eulletin. Early BCB DX done on an Atwater-Kent from location in innesota. Anybody remember KTNT, Miscatina, Iowa? Past ten years on Setchell-Carlson and Ecophone EC-2 picked up for $\$ 12$ at auction, from present locetion. Combined Iog from both locations lists 1,567 stations currently on the dir. Have done practically no verifying since school days, but hope to get back on the ball now that I'mpart of a great radio club. DX has been good here and weekly club hints have helped tremendously even though I haven't taken maximum advantage yet. Since joining nave logeed the following: b/z-WFFL-880 u/WCBS @ 6: vucm; WGRP atop 940; WCPS-760 u/WJR; WHOA-870; all before 6pm and WKBO-1230 at midnight. 3/3-Radio Amer-icas-1165 ard HJCN-1100 mist before midnight. 3/6-HJED-820 EE request for reports at 2:10am followed by ZFBI-960 and XFRB-1090. 3/12-NRC $\mathrm{f} / \mathrm{c}$ of WNJH-1580. 3/15-CNBC-690 at 11 mm . 3/19- CJLR-1060 u/wRCV. 3/21-WTOC-1290 midnight s/off. 3/28- WNPV-1440 r/o (a) 12:15am. 3/30-Excellent LA CX just before midnight including Jamaicam $700 \mathrm{~s} / 0 \mathrm{f} f$ at that hour with just a trace of WIW in background; YVWF-ll20 all alone, no sign of KMOX; and YVQO-650 way O, WSN. Would appreciate any antenna hints and list of iters to improve $\log$ library. Eave only white's and GPO station list. (Felcome, Curt, to the NRC, and we hope you will also be a regular reporter to 'inusings.' -ERC)

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\text { Hal Robie - } 351 \text { South Street - Medfield, Mas sachusetts - } 02052
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Having Dxed on and off since the winter of 1939 I have heard some excellent TA signals on occasion. Put never did I hear anything to equal Senegal-704 3/24 at 5:20. It was as good as some of the locals, and was heard best without using $Q$ multiplier or any other attachment to th4 S2OR. It was even audible with audio gain at minimum setting, \& again with audio up and antenna disconnacted, leaving approximately three feet of leadin connected to antenna post. Hope anyone on the EC who needs this one was listening! Also good the next day, but nothing like this. Portuguese stations on $665755 \geqslant 782$ have also been excellent lately with 755 especially good $3 / 29$ e 6:30m. Veries in from BGBS-560 \& ZFY-760 thaniss to a f/up to Francfes Bowman, \& thanks to Howard Haiding for senting me her name! SSS is not at it s best now and I haven't had much chance to listen othervise. A fyw overdue veries are awaited here \& several reports which should have gone out wesks ago remain unwritten, due to pressure of other work. All in all, this has been a most successful DX season. No HIBZ here 3.30. Quite a lot of static on the band that $A M$, the only morning I've listened lately. I thought I heard a very faint signal on 650 at 4:00 a.m., but nothing I could positively identify. I need Hawaii and so I nould like to pick up KORL. That's about it for this week.

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\text { Andy Fugg - } 16 \text { Lake Ereege - Pointo Claire, Queboc }
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New veries are TARL-1490 (cheap mimeo QSL), and WVIR-910 (v/l on f/up) makine the total 1,165. That's all, as no new DX, but Senegal-764 still pounis in. when you log them on a table redio at a louder level that WBZ-1030, then that's something! 'r3.
AS THEY SAY IN CONVENTION CITY, "WKBY" - WWE'LL KEEP BUFFALO MEALTHY:" (Russ BOMunds)

Hi all, fran HPE96UJ! Thanks to DX NEWS, I've just heard two new states. The $3 / 25$ WDEL DX was real loud and clear from 4:05-4:35 and a report was sent. nn 3/30 I heard KELO-1320 Sioux Falls u/KXYZ 2:02. These are my first from Delaware and South Dakota My first from New Jersey came on $3 / 29$ after about two y ヨars on the BCB. Newark, N.J. was mentioned on 970 (0) $: 25$ so WJRZ went down in ay log. $6 / 2 J-W F P G-1450$ Atlantic City @ 4:00a.m. (却2 from N.J. an two yours; in two nignts!) I've neard 68 states now and am trying for $K O B$, WHNH, and AN Alaskans after the eartnquake. Nothing spectacular except I've heard TNBR finally and PAIF-1340 Winston-Salem for my first 250w. North Carolina station. TAIR was a 3am, 3/30. I'm glad so many NRCers heard WHLT-1300 on3/23. I heard $\operatorname{TH} E R T$ s/on but they were no problem as WHLT is only 20 miles away. Recent veries: WHLT v/l for $3 / 23$, WLUX $v / 1$, a very friendly $v / 1$ from WGGH, WTLO $v / 1$ for $2 / 15 \mathrm{BT}$ and WHIN v/I. WHIN s/offs are 5:00 March, 5:15 April, 5:45 Nay and 6:00 June and July, EST. We've got no school this week so I'll try to log sodmething decent and start working on my Heath-Hit Ham "Twoer." As soon as Ye Olde J.F. digs up $\$ 4.00$ we'll have another Fort Wayne $\operatorname{ITRCer}$, Ernie. (Fine - helll be welcome! -ERC)

Frank Merrill Jr. - 10693 Saline-Milan Koad - Milan, Michigan - 48160
73 to all, best DX. PS - The longest PS in history! Tom Sherman, are you dead? You owe me a letter! I had the time of my life last Saturday, at John Daller's home. He called me $3 / 24$ to come to his house $3 / 28$, and I went. We talked about DX and SCing for hours on and, and I recorded scme songs I reeded. Jeff Stover and Sheldon Fabin were there. Ken B., where were you? And you too, Larry B.? We admired each others' veries, and were trading SCs (I lost most of my traders, hi! But I got some rare ones, too!) John Daller, how do you win all those transistor radios and cameras? I have never had any rotten luck in a contest yet. We really had fun at John's house. Ncw, to the ever-fascinating hobby of DX. Logged a new continent and a new stata on one MM. $2 / 24, \mathrm{TBNB}-1000 \times 4: 20$ on DX two days oily (what they say at the Gulf Refine 7 ). Believe it or not, they veried for Country $H_{18}$. LR3-950 4:23. WFIX-1450 3. 4:57. Radio Rebelde-720 a 58 m . 3/18- CKWT - 580 in Windsor of $5: 18 \mathrm{pm}$, only FM in this report. 3/23-WKBH-1410 ल 12:15. KTHO-1490 tentative $\times 12: 33$. Dakar-764 in good, s/on 12:58am with IS of avout 17 hotes on harp. What must be Sebaa-Aioun, Morocco-935 with chants 1:38. WDGL-1520 ET/M all morning. WJRC-1510 ET/OC, TT @ 1:30 having trouble with mike WHLT-1300 on the speci al PoP 2:05, verified. EXEL-950 2:22am with rrmx. VDIU-1150, for HIS \# 49 , with 46 veried. If they verie, it will be 47 . All that in one MM. Dakar was a new continent for ree, \#5 on the list. ASIA, help! Veries since $3 / 1: \mathrm{v} / 1$, KNCB (only 666 daze) CHUB ( 63 , KSWM (only five daze, hi), TITY, THLT. V/c, KOA MPNB KOKX (only 269 days) $2 Y C$ (on a now-ruined frequency, 660 ). Not much for the whole month of March is it? WBNB was a new country, \#18. Tom Sherman, when will you be down? I'd like to meet you. I did get a pile of WJIM WJBK and some WILS WMRT (under~20, hi) SCs frod Jonn Daller at our great raeeting. I nave daclarad tnat date $3 / 28$ my greatest ever within 100 miles of home, with the exception of Christmases. Thanks for a great time, John. 73 to all, because I'm near 30 lines. Why don't elephants DX? Because they don't have any fingers to oper te the Antenna Trimer.

## Fichard Cochran - Sweete Corner, Nova Scotia

4/7-. Had plenned towait two weeks, but had some stuff to say, and I was afraid I might forget, hi. First, I hope you made it through my \#l Nusing, ERC - Hy ornissions wereH8t due to not bothering to read rules - believe it or not. Second, I am still in the dark concarning f/ups, tentative reports, and the like. As yet, I nave not sent any second reports, but would like to know how to get certain hard-to-get stations verified. Also, I have a few woris for the local power company - unprintable, however. DX has been next to nil due to noise from the power line. ALL of the specials lined up were inaudible u/the roar. DX. On 3/24, surprise, CJFX-580, in with beautiful signal, 7 mm . CFRA deminates 580 oven in daytime here and CJFX is rarely heard. Later on, CKTS -900 on top 11:10. Big drought until 3/30, noise level was high enough to siut out most stations, but graveyarders made it OK. First Florida graveyarder, WFIL-1000 u/ WJET \& one other EE station © 2:3. Who on 1400 has "Joe Parker Show" MM \& "Bishop Earle Calls"? Could be WFTL or WJET for all I know! Veries: v/q-WHO WBZ _ FGL for odd reception e $9 \mathrm{pm} 2 / 13$. Also heard at that time were CHEX, WONW-1280, this one completely o/GADO/VEIM/CJMS/EKEV! Any ideas on how come? Also many other Great Lakes stations in over locals on that evening $V / f-\mathbb{W} M$, VHIL. V/l- CJFX CKEY for TYI on 590, after 12 weeks; WPEN. That's all fow now, I hope. 73.

Not too much DX lately but still some choice tidbits of cormentary. For those of you who tried for HIBZ-1340, they signed on a little late, I beliebe, but were definitely on around 3:40. They did not seem as loud as when they were first heard testing, so they may have been using lower power. They mentioned the NRC several times, gave calle frequency and location frequently, as well as their slogan, "Radio Centro". For those of you who heard them, my congratulations, and PLEASE report. Maybe welll have a longer show next year. If you did not get them, thank you notes are definitely in order. SCers, WQAN and WFUN are still available from me for a few of your dupes. I had an onjoyable meeting with NRCer Fuss Edmunds of N.J. over at Ron Schatz Hs place. A nice guy and full of useful info and gossipy coments about Ernie Cooper's sneakers! I hope you had a thoroughly enjoyable time, kuss! (Ernle, do you want some nice LA postcarasi) (Sure do, Sheldon! Please! -ERE) I would say Roy Millar's South African catches are the outstanding DX catches of the year. Foy is a top DXer and nothing he gets surprises me. As for me the three Brazilian graveyarders are the top so far, and fon has five of 'em! Ron Schiller, count me in for Nay 24 th, and some nice cold cerveza would be appreciated. I'll give you a gemuine $\mathrm{FF} F \mathrm{NN}_{\mathrm{N}}$ rear-window sticker for your trouble! No veries are in nor are any reports dut. How's the market in New York for good, used receivers suitable for DXing on BCB? I surely need one bad. 73. (I'm sure you'll find one on "Radio Row" (Cortland Street)) -ERC

## Alan Werriman - 7504 Montrose Street - Alexandria, Virginia - 22312

Well, hare I am back again. Haven't been too active but have spent some time at the dials, so here is DX by dateline: 3/10- WPPHP-1260, Phillipsburg, Pa. logged on emergency program for floods, at 11:50pm. Really surprised at the way they cut through local WWDC. 3/14- Report to TIFC. 3/17- New Radio Senegal-764 logged at lam s/on ard still going strong at 2:00 when I tuned out. Tremendous signal, and I guess everyone has heard thera by now. Heard almost every morning since. 3/19- Feport to CNCA. 3/21-WTYN-1550 Tryon, N.C. on ET at 12:29am. WSKT-1580 South Knoxville, Tenn. on ET at 12:50. WQ N-1320 Superior, Wis, on $f / \mathrm{c}$ at 1:50am. Report to WLIJ. 3/23- WDGI-1520 Douglasville, Ga. at l:00 on ET asking for report and phone calls so I called. WJRC1510 Jolist, Ill. on ET at 1:55. 3/25-WCGR-1550 Canandaigua, N.Y. on ET a 5:50 with ID in code. 4/1- WJAQ-1550 Jackson, Miss. at 2:30 on ET. 4/2-WCPC-940 Houston, Miss. on RS $27: 15 \mathrm{pm}$. To anyone needing Mississippi, this station puts in a real great signal. $1550 \mathrm{kc} / \mathrm{s}$. has been my big frequency this winter wi th seven new stations. Now have 17 verified on this frequency, $w$ ith one report out. Latest veries are v/q- WSAR WQNT CEH BEC-1295 Vienna-1475 and Oldenburg-1586. V/1- WCGR WTYN. V/c- WAFK. WARK one of my most wanted stations, and \#38 from Marymand. Reports are out to VVIKO KYND WMBR WNDR TIESY WTMA WBER KFDF KWLA WDAX TKAZ WTVB WFIG HJED PRH9 TIFC Dakar-7S4 CBO CWCA WLIH WSTT WDGL WJRC YSS WJAQ WITH WCPC. Also a mystery. Who has been running ETs on $1460 \mathrm{kc} / \mathrm{s}$. the last few days? Heari on $4 / 3 \mathrm{l} 2: 30$ arr to after $1: 30$, but signal too weak to ID. Wonder if this is much-wanted WEMD in Easton, Md.? Any help much appreciated. That's about it for this time. 73 and best of DX. (Alan, most of us in East have heard from "him" - his NRC membership expired' 3/4, but he refers to 3/2l issue!) Dan phillips - 271 East 8 Street - Cookeville. Tennessee
Well another DX season nas pessed and urodably my best quality-iwise. Scnoolin takes most of my time so DX still just mostly an idle hoboy when spare time becomes available Summerizing the season, 84 new stations added to log plus about 35 veries, mos ily $K$ calls. Best veries include: Belize KPDN KFDA KVSH KGU KSPI KRYT ELI KGA K KXEO and BBC on 1214 or 1295 . The BRC doesn't specify frequency so don't know which station they verified tut at least it's a TA verie, horray! Some of best logging for the season were KLZ-560 CHAT-1270 CKSA-1150 KBVE-890 WNAD NOI-640, four or five TAs plus CHEC-109C KWYX-1230 气. KISN-910. Have taken up FM DX in an effort to get rid of those Beattles. That's all I hear now on pop mx stations, The Beattles; hi! WHUB-Fw has come on the air much to my dismay because they cover the entire band, hi! I live about a half mile from their $X R$ so they can be unfriendly. Due to schoolwork, EE courses plus mary labs my loop plans have been slowed down, but guess thee's not much DX now so they aren't needed as much now as during the peak of the season, but will have them completed very soon so everyone can get one built by next season. I'm glad to see the bulletins not hurt and still full of valuable info. DX Down the Dial has really be日n good lately! 73 s and DX to all and don't forget to listen to WNAK, your "All Beattle Station", hi! AS THEY SAY IN DETROIT, "WWJ." MWORLD'S $\ln$ NDERFUL JOTTINGS!" In DX NEWS! -J.Daller.

Apri1 11, 1964
Roy H. Millar - Box $\overline{9} 1$ - Marysville, Mashington - 98270
Still weekly iscues - trust not "weakly!" As for my own Domestic DX, latter term is correct I fear, with only one new logging since last report, that being $4 / 1$ when KNIN990 Wichita Falls, Tex, was logged from 7-7:30am, before XET took over. Verias in: KGMI-790, TMCTA-920, and XENU-1550. Looking back over this past season (and it does seem that same is fast waning) I would observe that the broadest over-all change in reception patterns from previous years was the frequent and extended reception of AussieNew Zealand stations. Using Foreign Contest eligibie veries as comparitives I note that in ${ }^{\prime}$ SI-' 62 contest I verified only 5PI, $2 R E$, IYA, $4 Q L$ and $3 K Z$ from these countries. In 'SZ-' 63 season, only 5GL - not a sirgle N.Z. So far in $163-16412$ have been verified from these two countries with reports out to seven more. An outstanding individual exmple is that of $42 \mathrm{~A}-820$; this is a station that has been rarely heard in previous yaars, and never clear of of t-heard $2 G \mathbb{L}$; this season has seen frequent reception of 4 ZA , many times completely alone on the channel! As further evizence of strength of reception from New Zealand itself, the veries this season from $2 X A$ and $3 Y W$ tripled my total of 2ler. N.Z. verified! Over Australia way, no particularly spectacular catches have been made, but the aditions of 2 kw .4 TO and the 10 kw . 5 AN are most valued. As to continents other than North America and Dceania, the mailman holds key to my success for this season, as so far the only new verie outside these two continents is from HLCA and that a very unsatisfactory one. Reports out are numerous, and many long overdue! Just as an indication, unanswered foreign reports mailed in following months namber: Sept. '63 l; Oct. - 7; Nov. - 9; Dec. - 8. The adiltions of AFRTS-Tmula-1425, "Radio Earbados"-795, and HIL-7y0 nave aade tans a gooa season as far as iNorth Anticican foreign DX is concerned. Domesticwise, not much to brag about; WHOU-870, WCNT-1210, WTJH1260, CBUB-900, WHAG-1410 CBXI-610 veries have been nest. Conspicuously absent is any $D X$ on the graveyard frequencies; almost a "lost phase" of the DX game here I'm afrad. Paul Kirkpatrick - 229 Wrest Chestnut Street - Souderton, Pennsylvania - 18964
Now is the time for all good men to come to the aid of their DX clubs, to peraphrase the old saying. You know, the more you think about old sayings, the rore you begin to realize their ireanings still hold true for us today. I think dy now everyone, including myself, has had his say about the rift in our Club. What's been done has been dons and I no longer see any reason to continue quibbling over the formation of Denver's new club. I intend to support the $N R C$ 100\% as long as I see fit, but I think it's childish to keep fighting them. They have as much right to exist as we do and I feel the sooner we realize this, the better it'll be for our Club. As I've sail, if they want to give it a try, I'm not going to lose any sleep over it and neither should any of us. Instadd, why not use our energy to make a bigger and better DX NENSP DX: 1/20-WBIR1240, Knoxville, Tenn. f/c @ 3:45; WNBT-1490, Wellsboro, Pa. @ 3:47. 2/1-WLOK-1480, Memphis, © 4:14m. 2/9- WDOV-1410, Dover, Del. © 1:36pm; WMPT-1450, South Williamsport Pa. @ 2;06p; WILM-1450, Wilmington, Del. © 507 - all t.ree logged in Glassboro, N.J. 4/1- WSAY-1370, Richester, N.Y. s/off © 12:35; KOA-850, Denver, $212: 57$ for State \#27. WRAP-850, iorfolk, Va. @ 12:58. 4/2- Radio Americas-1105, 10:30pm w/SS u/NWV for Country 非5. Trnie, a while back you asked someone what HIC meant. Besides being your favorite expression, HIC means Heard Individual Countries and is used when showing how many countries one las logged, efg. of you have an HIC of 9, you've logged nine countries. Gosh Ern, with all the HICs you've had, you must really have logged a lot of countries. (Ouch!) Okay, I'll stop before I get worse. 73.

Roy Barstow - 16 Harding Road - Walpole, Massachusetts
I hung up earphones on march 26, due to being drafted into the Army. I am located at Fort Dir, M.J., and ill start basic training this Saturday. I willp be in the Second Company and it has the toughest Sergeant of them all. To Ron Schiller, if I can get time to see you I.will try. After four weeks some men will get a weekerd pass. That's if you have been a good boy. Anyway I have two weeks off after basic and that will end around 6/5. Phen I get to basic I will write to you. A little DX I $3 / 23$ if I can remember. WJKC- 1510 Joluet, Ill. on roost of the norning witin ITs. Anoth. er new station on $15 i 0$ in Ga, also neard. I forget the calls now. They were on almost aiderposining. The only verie I can remember was KGEY, a v/l. I will write again when I get time. I will also enclose my address so if anyone wante to write I can talk DX or say something about Army Life. So get those good catches while the sunspots are at a minimum and wish everyone good $D X$ and the best of luck. 73 . (Lots of success to you, Roy, in Uncle Sam's Army - maybe you can get to Ron Schiller's on 5/24! -ERC)

Little to report, but here goes anyway. WVOB's TEST like a local here. Nice v/l already in. A few new calls heard. 3/15- WYTH-1250, seems a Sunday regular at 6 am s/on, WETU, unn also on then, WRYT off. Two in a hurry on $3 / 23$, set still lukewarm when WDGL -1520 , and S-9 plus heard on ET at 1:30, right next, on 1510, was WJRC, almost as strong, also on ET. Too much for me - fell asleep and awoke at 4:50 in time to try tip on Ramey AF' 50watter on 780. He came in 100\% readable at S-6 for ten minutes, with 5 am s/on, a real sock for amounced 50 watts. Then on $3 / 31$ made the 4,720 th eintry in my heard log - WHZN-1300, s/off RS $@ 6: 15 \mathrm{pm}$, formerly WTHT. Enent s low DX NEWS delivery, can only report what many others have suggested. Specially puzzles me why owners of super-EXes can't afford about two bucks a year for first class postage. I have invested in it for years. My DX NEWS made it on Monday every week this winter, exfept once, due to very bad WX and holiday mail jam. It came Tuesday. To me DX NEWS is definitely worth first class postage. I agree $100 \%$ with what HTT says about the objectives of a DX Club and believe that in the present set-up of the NRC we have the best, efficient and economical arrangement to be had. 73.

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\text { Dick Russell - } 36 \text { Alice Avenue - Lynn, Massachusetts - } 01902
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Greetings from the best NRC DXer in Iynn, hy! DX includes, on 3/15- CKOY-1310 at 1:28 even with CFGM, WNAV-1430 at 2:15, WHOT-1330 at 4:26, KAAY-1090 at 5:00 with switch from c/w ix to Beattie mx, CBZ-1480 at 6:00 s/on. 3/20- WGMA-1300 at 6:17, CHEX-980 at 11 mm 45 db over S-9 covering WTRY. 3/26- Senegal-764 at $6-7 \mathrm{pm}$, no ID s , but iny brother assured me that it was FF. 3/27- WCLS-1580 at 12:12am. Who is playing rr u/WCLS? 3/28-WLEE-1480 at 3:C8am, CKOC-1150 at 3:14, CKCY-920 @ 3:51, WPFB-910 a 3:55, KTRH840 at $4: 45$ between musical selections on CBL, WRFC-960 at 5:19, WRUN-1150 at 5:56 s/on WMBL-740 at $6: 03 \mathrm{pm}$, WCPS-760 at 6:10, WCKB-780 at 6:11, WNJ-620 at 6:36, WVMT-620 at $6: 3 \mathrm{mpm}$. 4/3- YVOZ-1200 at 7:35-7:45pm with frequent "Redio Tismpo" IDs, YVFF-1120 at 11:17 with a "Radiendo Naracaibo" (that's the way it sounds) IDs. I am pretty sure that WCOP-1150 is off AN. I haven't heard them the past two Saturday or Sunday AMs. It soundse as if Senegal doesn't s/of $f$ at the usual 7 pm on Friday nights. They have been received here in Iynn on every radio at my place including a transistor and a broken-dom radio. They are my most consistant TA. In fact, they are my only TA, hi. I want to thank everyone for sending the SCs. My collection now totals 40 . I have quite a few UDFEs ana WhKs and very few WHLO WDAK WQAM WKLO WCOL WFUN WAKR for trade. Totals are 386/113. Recent veries are WVOK WOTV WXOX WNBH, last three are PPs and v/1 WKOC with SC and WKID with a question asking me how I knew that he was CE at the station. As they say at WMMB-1240 in Melbourna, Fla., "We Might Make Buffalo." Vill you? 73 s and best of DX .

Chucli Reh - 34 Garrison Avenue - Leamington, Ontario
DX is still pretty good here, thanks to lessened static CX on MM. These ners ones have been heard since last report: 3/13- WFOL-1560 6:45pm s/off. 3/15-WNDY릉N00 6:45pm s/ off. WITZ-990 6:58 pm. 3/16- HJJX-755 1:30am, KSEL-950 2:37 on AN, KNYC-1410 2:40, sounded like a test but it wasn't midnight in California; KGER-1390 3:01 s/off just as WYNR came on with a test; WDXL-1490 r/c 3:49; WVOB-1520 TEST 4:01. 3/17-WKTS-950 6:55pm. 3/19- WRKV-1470 6:40pn. 3/22-KSIS-1050 7:15pm s/off; KMYO-1050 (eX-KVLC) 7:16 s/off. 3/23-WHAT-1340 f/e 1:23am; WKSN-IBAO 1:25; WDGL-1520 ET 1:32; UJRC-1510 ET 1:50; KHJ-930 2:59 s/off; CMGT-660 3:05 parallel to 670-680-690-700. 4YA-780 4:00 giving time. 3/27-WIMS-14206:35pm; WKRS-12207:00pm s/0ff. 3/30-HJCil-1100 12:32am with HJAT and KFAX; KBSF-1460 ET 1:34, Senegal-764 2:20 for seventh TA and first African, great signals. Mystery-1160 after KSL s/off, Hawaiian ste el guitar mx : ith feminine announcer. $C \mathbb{M}$ jammer made going rough. I believe it was EE but not sure. Aayone know who? EIKI-830 $3: 33$ for best station in the log. WCCO made things tougin with an on/off OC aind tone; HJCU-730 4:03; CMJE-680 4:10; WPET-950 4:22. 4/1-KLO-1430.2:03am. Till next issue, best $D X$ and 7.3 s .

John R. Tudemham - 4248 West 12th - Ararillo. Texas - 79106
Haven't seen a Musing from Ararillo for quite some time, so I better get busy and send one in. Mo much DX to report but here are a few local items. KGNC-710 is now AN except MM. KIXZ-940 has a new studio location and is in the process of being sold to a group called "C.A.Simmons Stations." They also own KELI-1430 KTRN-1290 and KHOG-1440. Houston Colt $B B$ games will again be heard this year on KIXZ KFYO KWFT and amny other stations. Glen Kippel, how about a letter of tape? 73. (WWL also with Houston BB, John, and relcome back to these pages! -ERC)

Spring is playing havoc with the airwaves as you all have probably discovered. Now to DX for this week, which was fair. 3/28-WCHN-970 @ 6:07am. 3/29-Brought several surprises. At about 4:15am I heard EE on 1040, which I take to be KHVH, but only tentative, with report sent for $\log 4: 25-4: 30$. Next new one was WGST-920 0 6:58. 3/30 MM brought these new ones : AM- WIBC-960 $\times 5: 30 \mathrm{~s} / \mathrm{on}$, WPET-950 $4: 02$ son. PIK was good for Caribbean stations. WTF-Guadeloupe-640 $\rightarrow 6-6: 30$ in FF. St. Lucia-840, 6:40-7 in FF, WORA-760 7 7:08 in EE, Nicaragua stations on 615 and 605 in SS $9: 45$, YPPR-940 in SS @ 8:37. Costa Ricans on 975 and 1025 in SS $9: 50$, YSC-1015 in.SS 010 mm , and an SS station on 775 with a 20 x 9 , either Honduras or Costa Rica (Anything on it, Ernie?) (Not here, Richard - WABC's too close, hi -ERC) 3/31- WNOW-1250 @ 6:16pm s/off. 4/1, AM-WVKO-1580 $2: 05 \mathrm{ET}, \mathrm{WBAB-1440} 1 ; 07 \mathrm{f} / \mathrm{c}$, WPAL-730 $1: 13 \mathrm{f} / \mathrm{c}$, WEOL-1560 © $280 \mathrm{f} / \mathrm{c}$, WEAG-1470 $\sim 3: 50 \mathrm{f} / \mathrm{c}$, WKFE-1550 $\sim 3: 18$, and last but best, brand new KBIB-1560 in Monette, Ark., 250w. ET, not officially on the air yet. 4/2, AM- MNC-1350 $32: 05 \mathrm{f} / \mathrm{c}$. $4 / 3$, AM- KFVS-960 © $1: 05 \mathrm{f} / \mathrm{c}$, and another new station. located at Blue Earth, Minn., 25 GN ., and the call letters are eitner KWW or KBW or something li'se that. (Did you near them Trnie? If so, what are tiae correct call latters?) (KBEW-1560, according to VJ \#5 - EAC) 4/4, Ali- WSENT-1550@1:18 f/c, and a tentative on KSO-1460@2:01 s/0ff with SSB. Veries have finally started coming in: CBK-540 KLO-1430 KPRC-950 ard KBOM1270 (first M.D.) all $\mathrm{\nabla} / \mathrm{c}$; KLMS-1480 KSEL-950 with airmail reply, and last but best, KORL-650 also aimail reply, all v/1. My totals now run like so: Logged 861, verified 64 , but the last figure is on the uprise. States $47 / 40$, Er8vinces 8/4, and I won't even bother with countries because it's too horrible to think about. Reports tinis week to: CKRW YIIZ CINB KHVH TIBICA Guadeloupe, St. Lucia, WICC ( $I$ ' $m$ ashamed) KBIB WILS and KEW when I find the correct call letters. On $4 / 2 \mathrm{AM}$ CBE- 1550 was off from 2-4am, and SS was there, along with someone with beeps between NX items. Who? I suppose everybody has heard KORL-650 by now. On 3/30, they came through with steady S-7 with old rr and some sort of dedication program. Now to log some New Zealanders! Why do some of those CEs foil to give IDs during f/cs, just that misarable TT? I spend so much time waiting for IDs that never come. 73 s from Midlletown.

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\text { Wayne Plunkett - } 124 \text { John Street - Weston, Ontario }
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The first half of karch produced some of the season'g best DX, while the last half has been somewhat lacklustre. 3/2-WSAZ-930 audible at times u/TBEN 7-7:15 pm; one of wy most wanted catches made it with ID @ 7:30 in person of CBT-540. Between 8-8:30 signal was way o/XEWA - funny how good CBT became that evening yet never neard before ar since although tried for many times. 3/3- First breakthrough for American daytirers on 900 brought WISI with ID a 6:25 and believe may have s/off $6: 28$ - how about you other mem. bers in CHIL's territory - any luck with daytimers on 900p VDXN-540 logged from 6:55-7 cm s/off, then KWMT-540 logged 7-7:05 - both these two with NX at the time; WHE-710 mixed with WOR/CKMM © 7:10; ID from KKJO-1550 7:30. 3/4- WJSO-1590 s/off $5: 29$; log on WIRV-1550, 6:30-6:35 when went u/CBE; after a bunch of s/offs on 1220 arovind 6:45-7 [m on whicin Imissed the IDs because the frequency was such a jumble, stumbled onto what may have been a real dandy - believe WX for Colorado was given 7 7 05 so winder if thes might have been KFSC? Anybody else on 1220 at this $t i m e ? ~ 3 / 5-$ Log on KKCM-1420, 6:12-6:15 s/off; FCPE-940 has good signal most evenings, 6:3 $2-7$ s/off - anybody got a verie fro: them y由? WPUV-1580 s/off 6:28; WTHM-1530 s/off 5:3 with "Arsric $a^{\prime \prime}$, log on KFDF-1580 7:25-7:29 s/off - anybody verified them this year? A most surprising catch was WVNJ-620, barely on top of rather dead 620 from 7:48-7:54, according to nap book, their night pattern would throw virtually mil signal this way - am waiting to see if verie mentions this. $3 / 6-$ WALY-1400 r/C watn ID @ jx:lo was a now ona; CKwle-1230 ID at 7:30am but still can't get good enough log for report due to WNIA; WYTI-1570 s/off 6:31 pm , another nei one; WSBP-1580 s/off 6:44-no answer on two-month old report yet; Bel-ize-834 strong like back inNov. so relogged from 10:55ll:02 s/off \& air letter verie back in two weeks. 3/8-Toronto papers tipped me CFL was going to be off 1-8am to allo work on XR so KCBSA740 logged 1:20-1:30 although western CX were not really too good. Up 6am to try 730 \& 740 \& between 6-7:30 added four for best SM this year. WACE-730 s/ on 6am with good signal; missed ID on another 730 s/on 6:16 that soon faded, whor WPIT730 s/on 6:30; WAYE-860 logged 6:31-6:36; tentative ID of WMMT-12206:41, are they on this early Sis? WCLW-15\% s/on 6:45. 740 was quite dead till 7am when WVCH s/on \& good $\log$ to 7:10; WPIK-730 breifly 7:11; log on little-heard WBMD-750 7:15-7:20. ID of WFOX-860 7:3; CBI OC back ghortly after 7:30. 6 mm , FCED-1:20; WANN-1190 5:05-6:12; an nther new catch, WFAR-1340@6:15.

Well, this is probably the only report you'll ever get from me while in Florida! Thanks to S, iller for the following SCs for collection: WQAM WFUN WDRC WHOO KDGO. TO G. Greene for WHK; Mason's. Traders now numerous in WQOK WABC WONK WITH. Bery CMs: WGTO WAGF. Visitjed WGTO. If anybody in Canada heare 'em, don't bother to report they aren't allowed to get up there (protecting CBT, CBK.) CE was very corlial - same at WIOD. A: taking pics (color) of all XR towers possible. Negatives or prints vilz be available to all at a srall fiee to be determined later (there, guess thatill scare everybody, hi). P. Kirkpatrick; L. Rand; K. Butterfield - if you haven't written in the last tro weeks, do so! If you have, I'll answer upon return. What are you doing now, P. Rizzo? Dave Pope - I think you've got the ideal DX location! All you've got is one semi-local? 73, all!

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\text { Joe Fela - } 167 \text { Goodw in Averne - Newark, New Jersey - O7112 }
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Not much to report this time. Veries contimue to be slow. It seems like it takes two reports to get one verie. Those which did come in came from WCPC-940, WHT-1300-TEST, Bordeaux-1205, WJAS-1020, and WHJB-0ZO (took elght montas, no f/up sent). All were v/l except WHEE which sent a v/q. Recent DX: 3/23-WHLT-1300 TEST heard around 3:30arn, mostly behind WERE AN, but not a sign of the WJEO-1150 DX as WCOP was S-9 at the time of it. 3/27. "Radio Belize"-834 noted at 11:14pm s/off using CST. Everyone should get them as they were noted at work at lopm a few weeks ago on a crumm five-tube set! 11:30, 720 had a "Radio Rebelde" atop the channel with much talk about a revolution, guess Cuban. 3/28-12:11am, CJKL-560 atop the channel; 12:13 WCAW-680 atop the channel with an S-9 plus signal (don't see how they can do that with 250w. nighttime!) ; 1:06am s/off WKBR-1250; 1:11 CKDM-730 noted; 1:16 s/off WEMJ-1490 (this one has becoine a regular after -idnight); $1: 43$ WABD- $1370 \mathrm{r} / \mathrm{c}-T \mathrm{~T}$ u/WDPD AN and an ET/OC by FCOA around 1:50; 2:05 WCHS-530 still on, bothered mostly by WIEN just u/them. 3/30-12:03 s/ofin WBOS1600; 12:35 WIAQ-1410 atop the channel on ES; 1:10, what seemed to be KTOK with ir on 1000; 2:10 ZBRT2-1340 atop the channel for five minutes or so. I guess ZBlid replaced ZBM1-1235 with AN program; 2:45-3:02 s/off KERN-1410 mostly ufSS, probably lieicican; no HIBZ here, mostly WKSN atop channel. Reception to the S all week, noted ZFBI-960 atop the channel $90 \%$ of the time during the evening hours, even on transistor set, also $F F$ atop 840 on at least three separate occasions, guess St. Lucia, and ZBM1-1235 up to S-Q furing the evening. Senegal-764 tentatitely heard at $7 \mathrm{fm} 5 / 0 \mathrm{ff}$ one day this :,eek with what must've been s/off message and NA. S-8 signal for most part but faded somewhat during the s/off ressageaand local WABC only $6 \mathrm{kc} / \mathrm{s}$. away dian't help things any so no positive ID. Dallas John, we know what you mean by corecive material, especially since you wers the co-author of some of it. Jerry Bond - don't you owe me a letter? And welcome to the NRC! Quote from WCRB-1330, "WCRB considers DX reports a valuable guide to propagation CX throughout the year, as well as an indication of sky wave coverage. The time and effort of DX Club members such as yourself are much appreciated." Too bad many more stations don't feel like this, namely that $25 \%$ who don't answer DX reports. 73 Ron B. Schiller - Box 456 - Monmouth Beach, New Jersey - 07750
Added five vories this past week, to increase the fold to 1,365: friendly $v / 1$, QSL and two CMs frca VGIR-610 who apparently (because of his highly directional array, protecting WIP \& CHFC) gets few DX reports. They s/off m 12:05 and run NBC's ionitor for those who need. Nice $v / q$ from DDR-782, East Berlin, depicting their town hall, country \#38! QSL from WSAI, picture postal of Heilelburg College from WTTF, \& WYZEts $\mathrm{V} / \mathrm{I} \& \mathrm{CM}$ completed the week's mail. New logeings are scarce, too: $3 / 30$ - ViARN- 1330 Ft. pierce, Fla. rr in and out witn WFBC 8-Ypm witn locals silent. PJAo-900, aruba, monemtarily or top at 7:30. 4/5, long-desired WGHM-1150, Skowhegan, ike. slipped through $06: 23 \mathrm{pm}$ s/ off 6:29. TDGL-1520 whom I missed on ETs recently cutting up wKBW 7-7:05 witin local NX WLCB-1530, ©ulton, Ala. RS 7:08-7:14 s/off w/"Dixie." Unn WAGC-1560 s/off then through VOXR, also WJVA- 1580 heard but unn. Utwally good SSS skip continued with WAWA1590, West Allis, Wis. at their 7:29 s/off, followed minutes later with the s/off of WIXK-1590, New Richmond, Wis. Alongside, unn KCHA \& EWNT doing nicely to their 7:45pm s/offs. Then, the best twilight logging of the season, KZIX-600, Fort Collins, Colo. ID © 8 cm , then rose to the fore at $8: 10-8: 13 \mathrm{~s} / 0 \mathrm{ff}$, 1 kw , through $40-\mathrm{mile-away}$ IICC! 4/6, 4:00an, sat on 1340 and "disected" that graveyard channel for an hour to dig out ZEM2. Unn heards were WGNI $c / w$, WAIR rr, WKSN, and WKGN joined then at thair 4:54am. s/on. Hots of Las audible but too groggy to bother, hi. 73 AS TITRY SAY IN AT. JOHN, N.B., "CFBC". "COME EOR BUFFALO CONYENTION!" LaborDay weeker

Stef Kreedger - 210 Ivyhurst Road - Buffalo, New York - 14226
This Sprins vacation I thought Ita get a lot of DXing done. As of now (one day left in the vacation) I have four stations logged. No comment. The varies have been coning in as frequently as the loggings. 3/30- (the worst MM I've ever had). It sounded as if somene was gargling all over the dial). WFMJ-1390 - 11:59-12:03m s/off. CKCY-920 f $1: 04-1: 10 \mathrm{am}$. WNIN-H00 2:22-2:27am. 4/1- WFEA-1370 7 7:11pm to 7:16 (ny first New Hampshire). Varies (for the past four months) - v/l- WAAM KBEA WSPR WCIGC THAT CERB WFBG ZFBI CJOE CENO KCMO WWGO CKY CKEY KRSI WEAW. v/c- WADC KDKA WNLC WCOL WROK WDBJ WOHO CKTB WACB CFAC CFAM WTRY KGO. I hope Illl be able to report more of ten from now on, and most of all I haps I have something to report about! Good DXing, and 73s Buffalo '64, from Buffalo 14226.

Tiarl W. Seitz - 34 Manitou Avenue - Pougnkeepsie, New York - 12603
In my last using I wrote that I received KOKA. I lied! I just figured out that it was XRRF-15\%O. So sorry! I must compliment KOKA. They were kind endugh to send me a letter saying that they were not on the air at this time. QSIs in since last time: WLIK WAVY Delize-834. 3/14- WJTS-1370 with s/off $6: 15 \mathrm{pm}$; WTOB-1380 a 6:20pm. 3/15-WWOD-1390 all morning, 3/30-WCLS-1580 $11: 05 \mathrm{pm}$. Here comes the BIG night, 4/3-XERF $-1570=3: 15 a m$ (pretty strong with minor QRN from CKLM) ; VKYR-1270 w/4:00 s/0n; HJED820 4 4:40-5:00 - mailing adaress, P.0. Box 1,941, Cali, Colombia - coming in perfectly till WGY s/on; VCMB \& WRAD-1460 both e 5:15; WIVE-1430 \% 5:40. 4/5- CKCY-920-1:101:40 u/o/w (now there's a beaut!) WJAR; WSUN-620 - $2: 55-3: 25$; WGR and CFNB-550 both @ 3:35. Now a little, and I mean a little, status report on me: I DX with a five tube RCA and a six transistor Trancel w/lonewire aerial $1501 \mathrm{E} / \mathrm{w}, 1001 \mathrm{~N} / \mathrm{s}$, and 30 TV rast. M立 totals come to: veries, $243 / 69$; states $32 / 28$; countries, 10/3. Here's hoping that the $D X$ season goes out with a bang! 73 s .

## Beraie Puffy - 77 Livamora Avenue - Staten Islana, New York - 10302

Thanks to a phoned tif irom Ernie, I logged two new catches, $4 / 0$, botn on $1500 \mathrm{kc} / \mathrm{s}$. , about the sane time - they were KGMR, Jacksonville, Ark., heard 0 1:30-1:38an rith $\mathbb{T}$ and ID, nd YNDY, Indianapolis, who began ETing atop them @ $1: 38$, playing records. The only new verie is a nice colored map type card from Radio Americas-1165. It shows them to be on Swan Island, of $f$ Honduras. The address is Box 352, Miami 1, Fia.

Ralph. Johanns - 11 East Chippowa Street - Euffalo, New York - 14203
Heh, Dick Cooper, W.T.NcKibben got appointment of Gvi by Taft Broadcasting at Vigr-550. He's an old ' 51 friend of WACR, Kittannings Pa. A new Atomic Clock beans inost exact time with a 9,192,631,700 "tick" per secona and may only lose or gain one secoind in 3,000 years. Two new LW stations by National Bureau of Standards use it - WVVI-20kc/s and WWVB-60 and they trigger the time for WWV and WWV, time and frequency stations. DST (4/26 you'll get ti) was first suggested in France in April 1784 by our Ben Franklin. The $4 / 3$ tornado in michita Falls didn't damage KNFT- 620 so $/ 18 \mathrm{DX}$ most likely'll come. I wonder where all those veries are from WCSS WFAW WAGF KNWC KWBB? (Specials). Received v/1, CMi WJBO-1150, Box 496, Baton Rouge 1, La. by CE Ler Benson; it's their 30 th anniversary. Next 30 th anniversary, from Max J. Weiner, CE at WNEW-1130, 5555 Ave., New York 17, v/ls, he often wondered if the recipients of their QSLs keop them! (He signed my 11/44 one when WNEW was only 10 Kw ), the 50 kw runs AN NSP, and aights is beamed $94^{\circ}$ true; he also sent me the v/q. Hi, ERC, the NRC is on its $31 s t$ aitiversary! $V / q$ by $P, V / 1$, station merno by CE \& CM by WNLC-1510, Mohicen Hotel, New Londoin, Conn. \& also Wateriord where XR is, Thames Broadcasting Corp., they moved from 1490 in ' 61 and directional, one lobe to New London, other to Hartford. My '46 v/q was for 1490. Daylight is early now and you may catch some West stations or some closer Easterin dadime stations now. I hear KSOn through WRVA, etc., then WBEX-1490 s/on, WGIC-1500 on RS in Tenia, 0 . THEC-1460 SM s/on 6:58am, but no CJOY now in the daylight; CJOY s/of 1 1:07 am. Ray Edge, your neded WMAY-970 nice at 5:38am, alone showed. 4/5- VBAX-1240 said 24 hours, seven days and I can hear (at times) WHAT- 1340 and the WIRY-thing, but can't get ehough for $\mathbb{T} K S N$ AN; I'll have to get a loop made and by the way, how're those plans coming? 4/4-4:04:30-4:25am, a TTer noted; at 4:52, WNDY-500 for test rurposes only; WIOS-1380 5:03 s/on strong; $1240 \mathrm{~s} / \mathrm{on} 5: 28$ sounded like WUM, studio ?? Hotel on $2^{2}$ th Street and $1 \mathrm{kw} \mathrm{D}, \mathrm{250w}. \mathrm{N;} \mathrm{earlier}, \mathrm{KSTP-1500} \mathrm{asked} \mathrm{for} \mathrm{reports} \mathrm{and} \mathrm{rromised} \mathrm{QSL}$ cards, otc. And so, tune in EARLY now, When Tuning Broad-Cast, says WTBC, in Tuscaloosa, Ala. ri3.
LET'S KEEP UP THE WONDERFUL WORK, GANG! THESE HAVE BEEN THE FINEST APEIL ISSUES OF "DX NENS" IN THE 31-YEAR HISTORY OF THE NATIONAL RAD IO CLUB A THANKS TO ALL WHO REPORTED!

Flash! KPOL-1540 Los Angeles has been ordered to leave the air! FCC accused KPOL of transferring ownership without pemission, altering logs, and making false statements to the FCC. KPOL has been ordered off by $5 / 1 / 64$. Boy, L.A. County is really setting records for stations beang kicked off. Furst KRLA, now KYOL. Youlll notice how law-abading, sinless, and clean the Vor tnern Calliomad stations are, hi. Any comients, Greg? Now Jown to DX. Now that Eastor vacation is over, DX has dropped off, but the veries have been pouring in. This last week ( $3 / 30-4 / 4$ ) I got 15 veries, a record for me. Also on Friday 4/5, I got seven veries, a record for any one day. Veries received by dates have been: 3/30- KNYC KGHF KFDA. 3/31- KCEQ, along with five 4 Cs, a progrem guide, and CR. 4/1-KOIN. 4/2- XINO. 4/3- KINT KRNT WHNY WKYR WMBD KIQS KCFA. 4/4KRED WLIK. Now for DX. 3/30-KCLX-1450 f/c, WKCW-1420 s/on, KOKA-1550, CJDV-910. 4/3VSMB. Totals now stand at 395/26\%. That's about 67\% varified. To Glan Kippel, what do you mean then you say you want to improve your $91 \%$ verified stations? most of the rest of us are lucky to get ro\% verified. You might talk to Hank Tyndall, he claims he has $100 \%$ veried. Got up a new antenna a few weeks ago. Improves reception and got rid of almost all my images. One wire runs $N E / S W 75^{\prime}$ and 20-30' above the ground, and the other runs $E / 50^{\prime}$ and 15-20' above the ground. Now if only the property was wide enough for a directional atenna to the E. Ernie, do you still want posteards from the S.F. Bay Area? If so, I could send you a few of the Eastbay area; rather thin San Francisco. (i'd love sora, Rich - thanks! aERC) Next week Illl try to get in a mage $v / s$ list and a long list of corrections for the $A N$ Situation. When is the $164 \mathrm{f} / \mathrm{c}$ list coming out, irmie? The one I have now is almost useless. Well, guess trat just about does it for this tima. So until next week, 75 s and gooi DX.

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\text { Stan Morss - Boute } 3 \text { - Bradford, Massacmusetts - } 01832
$$

3/31- CJSS-1220 Corrvall, ont, testing 3:42am, cl mx. CFNB-550 seems to be Lf AN, WKRC on top? ? SS on 690 AN noted 4 am . Verie, WhLT. 4/1- "Oh Canadat on 1490 4 4:57am, maybe CKAD. "x fair byt voice weak with deep voiced announcer. Copied till MHAV turned on carrier at 5:30. QRM by WBCB, and TT at 5:10. 4/2- FQXB-1560 test at 1:25. WPOP-1410 back on AN. WXTR-550 s/off 2:00am to return, 5am. Verie, PP/c from VTLK1570 after EIGHI f/ups! for Sept. ' 62 report. A verie from TGUX, my PP card and a nice picture card after about 20 tries. It rakes persistance - three tough ones this season in WITK WTTC TGUX have answered, so it takes time, curtesy, and about $\$ 2.50$ each everage in postage - what a business! 4/4- KBIB-1560 monette, Ark. on ET 5:20ers and $u /$ WiQXR OC after 5:30. A cute $\nabla / \mathrm{f}$ from CBZ - returned my iime, too. 4/5- WRBD-1470 Pompano Beach, Fla. s/on $4: 44$ with Gospel mx , QRM by TMBD. Then at $5: 00$, s/0\% of WHUT, Anderson, Ind. for second new one $u / M M B D \& W R B D$. Another son © 5:05 covered by the above three. 4/6- WNDY-1500 InIlanupcils, on ET Lam, nix and OC. WINU, Higilaind, Ill. 1510 concluadis test $@ 2: 35$. CFNB-550 back on AN. WKSN-1640, Jatuestown, N.Y. Jam on AN show, QRI by WAIR WGNI and others, GKLM noted off part of AM cut XERF in well. Ernest R. Cooper - 438 East 21 Street - Brooklyn, New York - 11226
$\mathrm{V} / \mathrm{q}$, and folder about station, with Portuguese canceled stamps carefully placed between pages, fro: CSB4-1594, says 10kw. in Lisbon - NNRC claims there are four such stations. synchronized, but not according to their v/q! Also v/f from THLT-1300-TEST, and third from old 196a reception of WAXE-1370. Three from one statoon; other stations need three reports for one varie, hi! CBL-740's Mrs. Connie Masters says in answer to my queries that the CBC-AN show on 920 is on CJCJ, Yoodstock, N.B.; on 1050, on CJIC, S.S. Marie, and on 1400, it's one of their micro-powered ones; CBLL, Longlac, Ont.! DX in the last fortnight: 3/30-AN SS on 730 still goes unDD here. Unk TTer, no aminouncing, on 1520, 3:15-4 and on and on, weak -who? WMMP-1590 with another of their almost weekly FT/Ms. To sign of HIDZ here, sheldon and others - sorry! But I did get one new one in AN KBGO-1580, Waco, Texas, 3:35-3:57am, in between trise on $\mathbf{1 3 4 0}$ for HIE'L. After WBNX- 1380 4are s/off, notal. WAOK on there, AN? 4/4- The third! tine this season I got to 1500 just "in tine to be too late" - neard "Broadcasting Co. testing on $1500 \mathrm{kc} / \mathrm{s} . "$ at 2:16am u/TTOP's cl mx - then TTs, but who was it? 4/5-Unn CKCW-1220 RS 1:50am, c/w $m x$. Pop $m x$ on 580, but no announcements heard - is this new CKWW? WCLS-1080 AN this AM. 4/6- Brand new WSTH-860 Taylorsville, N.C. ET/C/W mx, 2:45-2:55 on top. ioted unn VINU. 1510 on ET/T/M, $2: 35 \mathrm{~mm}$. "St. Louis Blues" on 920 @ 3:06, unID. FTLAI-1390 ET/ $M$ mos $t$ of $A F$. Then, new WNDY-1500 on ET/M 3 3:52-4:00 and on $0 / K S T P A N$. 4/7- Noted. unn WPOP-1410 AN again; noisy rainy AM here. CHFI-1540, logged for second try for verie 6:39-7pm s/off, easy here in April as WJMJ/WDNi/TPTS all s/offo 6:45 this month! 73.

WHBQ

Seattle, Washington, $\$ \varnothing 5,000$ U-2. Will maintain two separate XRs at
CKE Y Toronto, Ontario, to $10,000 / 5,000 \mathrm{U}-3$, from $5,000 \mathrm{U}-3$, same ciannel.
W D UX Waupaca, Wisconsin, to $5,000 \mathrm{D}-3$, from $1,000 \mathrm{D}-1$, and move XR NE.
K I K I Dallas, Texas, 1,000 D-1. Cancel antenna changes; stays as is.
$K A A A$ Kinguan, Arlzona, to $1,000,<b 0$ U-1, from UbU Uel, same channel. K S ST Sulphur Springs, Texas, ditto. Also, move XR SE.
W Q XT Palm Beach, Florida, $250 \mathrm{U}-1$. New (shorter) antenna (4i1', was 4501). W I R A Fort Pierce, Florida, to 1,000/250 U-1, axicuercaxis.
WH $I$ F South Boston, Virginia, 1,000/250 U-1. Move XR SE.
1490
different sites; new one for day use, SW of present one, whic.i will be used for nighttime programing. (was 5,000 D-1).

## HEARD SINCE LAST ISSUE

| 710 | CJSP | New (day) pattern | FCC | 1260 | W1 D | pattern | CC |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 860 | W S TH | Taylorsville, N. C. | NRC | 1390 | W M P Po | Now 5,000 D-1 | FCC |
| 91.0 | C J DV | Now 5,000 U-4 | FCC | 1430 | W B U | Ridgeland, S. C. | FCC |
| 960 | K R I K | Roswell, New Mexico | FCC |  | WENO | Now 5,000/1,000 U.2 | FCO |
| 980 | $\mathrm{K} \subset \mathrm{AB}$ | Dardanelld, Arkansas | FCC | 1440 | W A A B | Now new XR site | FCC |
| 1050 | K M Y 0 | Ex-KVLC | NRC | 1450 | KNOT | Now 1,000/250 U-1 | FCC |
| 1210 | ACE* | Ft. Brooke, P.R.ex-1470 | NNRC | 1470 | W D OL | New antenna | FCC |
| 1230 | CKLD | Now 1,000/250 Uq1 | FCC | 1550 | W J A Q | Jackson, Mississippi | NRC |
| 240 | K VRD | New ground system in us |  | 1560 | K B I B | Nonette, Arkansas | NBC | K 2

ONS

710 K G NC Exc. Mis
"AN" SITUATION
810 KGO Exc. Mis.
920 K XLY SPU
1060 CFCN Exc. MMs.
1140 TK R A K Exc. MMs.
1230 TK GE NSP
1320 KXYZ Inc. MVIs.
1540 IK B V U NSP-?
1340 Z BM 2 NSP-P (raplaces ZBNI)
1410 i: P OP Back on, exc. Nulus.

OFFS 590 KUGN


1470 W S A N
$1570^{\circ} \mathrm{C}$ K L in First WN ondy.
Keep us posted on the AN situation as it
cnanges, ana it does - day by day it seeme

Myy thanks to Ralph Johanns of Buffalo, too. He was good enough to call WIKBW, that city, and persuade them to remain silent on their own regular ly scheduled test so that WVOB coyjld get out with no trouble from that source. I'm very pleased with the work and response from all of you. 73's." (signed) Pierce Burgess, of WVOB.

We revel in lir. Burgess' feelings after his very successful test - a satisfied CE!

LIST OF LICESED LOV POME fELAY TRANSMITTERS OMED

(Received from Mrs. Connie Masters, fesearch Assistant, Audience Rel., CBL.)

| $\mathrm{Kc} / \mathrm{s}$ | Call | Location | Watts |
| :---: | :---: | :---: | :---: |
| 540 | C B A C | Barrington, N.S. | 40 |
|  | CBEC | Senneterre, Quebec | 40 |
|  | C B L I | Deep River, Ont. | 40 |
|  | C B L J | Wawa, Ont. | 20 |
|  | CBLU | frooth Rock Falls, Ont. | . 40 |
| 560 | CBDE | Dawson, Y.T. | 40 |
|  | C B D D | Elsa, Y.T. | 40 |
| 550 | C B A H | Meteghan, N.S. | 40 |
| 600 | C B L V | Bancroft, Ont. | 40 |
| 610 | CBXI | Hinton, Alta. | 40 |
| 690 | CBD | Beaver Creek, Y.T. | 40 |
|  | C B L G | Geraldton, Ont. | 20 |
| 730 | CBRF | Fernie, B.C. | 40 |
|  | C B U A | Oliver, B.C. | 20 |
|  | C $\mathrm{BXE}_{\text {X }}$ | Golden, B.C. | 20 |
| 740 | C BNB | St. Fintans, Nwfld. | 40 |
|  | C BRE | Creston, B.C. | 20 |
|  | C BRIT | North Bend, B.C. | 40 |
|  | CBRO | Greenwood, B.C. | 20 |
|  | C BRQ | Quesnel, B.C. | 40 |
|  | CBUC | Salmon Arm, B.C. | 20 |
|  | CBUI | New Denver, B.C. | 40 |
|  | CBUII | Kitimat, B.C. | 40 |
|  | CBUQ | Lake Windermere, B.C. | 40 |
| 860 | C BDA | Fort Nelson, B.C. | 40 |
|  | $C B D B$ | Tatson Lake, Y.T. | 40 |
|  | C B D F | Haines Junction, Y.T. | 40 |
|  | C B D I | Fort Srith, \$.W.T. | 40 |
|  | C BRA | Revelstoke, B.C. | 20 |
|  | C $B R B$ | Burns Lake, B.C. | 20 |
|  | C BRC | Terrace, B.C. | 20 |
|  | CBRD | Field, B.C. | 20 |
|  | CBRG | Prince George, B.C. | 20 |
|  | CBRJ | Grand Forks, B.C. | 20 |
|  | CBRL | Williams Lake, B.C. | 20 |
|  | C BRP | Princeton, B.C. | 40 |
|  | C BRR | Cranbrook, B.C. | 20 |
|  | C BRS | Ernithers, B.C. | 20 |
|  | CBRT | Asheroft, B.C. | 20 |
|  | C B U E | Hope, B.C. | 20 |
|  | C B U F | Ocean Falls, B.C. | 20 |
|  | C B U G | Kaslo, B.C. | 20 |
|  | C B U H | Chase, B.C. | 40 |
|  | C B U J | Slocan City, B.C. | 40 |
|  | C B U I | Lillooet, B.C. | 40 |
|  | CBUP | Yerritt, B.C. | 40 |
|  | C B X ${ }^{\text {P }}$ | Eanff, Alta. | 40 |
|  | C B X J | Jasper, Alta. | 40 |
|  | CBXI | Blairmore, Alta. | 40 |
|  | C B X | VicBride, B.C. | 20 |
| 880 | CBDH | Uranium City, Sask. | 40 |
| 900 | C BRI | Kimberley, B.C. | 20 |
|  | $C B U B$ | Osoyoos, B.C. | 20 |
|  | C B U II | Nakusp, B.C. | 40 |
|  | CBUO | Proctor, B.C. | 40 |
| 940 | CBDI | Destruction Eay, Y.T. | 40 |
| 990 | CBAA | Wedgeport, N.S. | 40 |


| $\mathrm{Kc} / \mathrm{s}$ | Calls | Location | Watts |
| :---: | :---: | :---: | :---: |
| 990 | CBAD | Plaster Rock, N.B. | 40 |
|  | CBAE | Digby, N.S. | 40 |
|  | C BAK | Kedgwick, N.B. | 40 |
|  | CBAO | St. Stephen, I.B. | 40 |
|  | CBFB | Niegantic, Que. | 20 |
|  | CBFD | St. Fabien de Pane | e. 40 |
| 1010 | C BEB | Manitouwadge, Ont. | 40 |
|  | CBLD | Dryden, Ont. | 40 |
|  | CBLR | Red Rock, Ont. | 20 |
| 1070 | C BUU | Clinton, B.C. | 40 |
| 1080 | C BRE | Lytton, B.C. | 20 |
|  | CBUD | Castlegar, B.C. | 20 |
| 1090 | CBEC | Ellid¢ Lake, nnt. | 40 |
|  | CBLC | Chapleau, Ont. | 20 |
|  | C B L K | Kirkland Lake, Ont. | 40 |
| 1110 | CBLX | Hearst, Ont. | 40 |
|  | C SRH | New Hazleton, B.C. | 20 |
|  | CBRV | Vanderhoof, B.C. | 20 |
|  | CBUR | Houston, B.C. | 40 |
|  | CEUS | 100 Mile House, B.C. | 40 |
|  | CBUW | Fort St. John, E.C. | 40 |
|  | CEXD | Elson, Alta. | 40 |
| 1140 | CBAN | Andover, N.B. | 40 |
|  | CBAP | Shelbourne, N.S. | 40 |
| 1200 | CFFB | Frobisher, N.W.T. | 40 |
| 1230 | CBA J | Yarmouth, N.S. | 40 |
|  | CBAL | St. Quentin, N.B. | 40 |
|  | CBDC | Mayo, Y.T. | 40 |
| 1240 | C BLE | Beardmore, Ont. | 20 |
|  | C B LN | Naikina, Ont. | 40 |
|  | CBLO | Mattawa, Ont. | 40 |
|  | C BLP | Espanola, Ont. | 40 |
|  | CBLS | Sioux Lookout, Ont. | 20 |
|  | OBL W | White River, Ont. | 40 |
| 1340 | CBDG | Cassiar, B.C. | 40 |
|  | C B L B | Scnreiber, ant. | 40 |
|  | C BLH | Hornepayne, Ont. | 40 |
|  | C B L Z | Hearst, Ont. | 40 |
| 1350 | C BAB | Grand Falls, N.B. | 40 |
| 1400 | C E L L | Longlac, Ont. | 20 |
|  | C E L Y | Haliburton, Ont. | 40 |
| 1420 | CBFG | Gaspe, Que. | 20 |
| 1450. | CBLF | Foleyet, Ont. | 40 |
|  | CBLQ | Latchford, Ont. | 40 |
|  | $C \mathrm{BMA}$ | No randa, Que. | 40 |
|  | C B X C | Coleman, Alta. | 20 |
| 1490 | C B X N | Natal, B.C. | 20 |
|  | C BAM | Edrundston, N. B . | 40 |
|  | CBDJ | Hay River, N.W.T. | 40 |
|  | CBLA | Atikokan, nnt. | 40 |
|  | C B L M | Marathon, ont. | 20 |
| 1550 | C B AG | Weymouth, N.S. | 40 |
| LIST SHOWS CBLX \& CBLZ 234081110 , Hearstont |  |  |  |
| We want to thank Mirs. Masters for her a. urfesy in senilng us this wonderful |  |  |  |
| a. urt | esy in sen | naing us this wonder |  |
| list, unavazlable anywhere else to our |  |  |  |
| knowledge. Keep this sheet with ur log. |  |  |  |

Page 14
Send all "TTPS".TO Ev Johnson-504-16th st.inendota.III. In-T.S.T. FREQ. 600

WFRM
620 WIRD
620 WIEZ
740 KRMG
730 WIIT
910 WORD
1150 WJBO
1190 KiDS
耷 320 WKAP
I34:0 IEBTA
1360 WHJC
1380 WLOS
1460 CJOY
I. 1.90 WEM

1490 WBTA
1490 WBEX
1500 WTDY
1510 WINU
1510 WNLE
1390 WYNR
1150 WDEL
1170 WLEO Poñce P.R.-Sked 0400-2400 Mon thru Sat; 0600-2400 Sundays v/s Charles Cordero, Manager (Jchanns)

Was kinda worried but now find that the threatened Railroad strike"has been posponed for at"least 15 days, which will just be after our läst weekly issue of $D X$ News is mailed. Howēver lets hope that the powers to be fiñ a solution and this strike does not occur. Howẽver in case it looks bad for our April 25 th issue, we will try our best to somehow get DX News to you without too much delay.

- Thanks to Ralphie who so readily gave Pop a hand with this weeks issue. With a bad cold and touch of some type of virus last Saturday it looked as if Pop would be in tough shape for this issue, but thanks to the faithful family Doc and then with Ralphies heIp, everything worked out OK.~ Was kinda~nice having a little DX gab fest.after the bulletin work was done and seeing so many veriẽs that I would like to have just makes a felliow drool. In my many yẽars, knowing Ralphie as I do, this fact keeps showing up. He is persistant in getting information from the stations he writes. Why? In order to hãve definite information that will enable the other members to hear stations they might need. Knowing under what conditions he DXes, I am surprised as to what he pulls in. Blinking elec̃tričsigns"all around him that are not shut off until 3AM or Iater plus busses passinf within 50 feet of his place every few minutes, I am sure many of us in that case would throw up our hands and give it up quickly. But with Ralphie, its try a little harder and harder Thanks again Ralph for lending your hand when it was needed anc loads of good luck and good. DX to you.

Edited ey Peter V. Taylor, d/o kfog, 420 Taylor St., San Francisco, Calif. 94102 Not an overwhelming week, but somethina new to shoot for: Radio Caroline on 1506. It's moored off England. For details see below:
660 CM. . MATANZAS, CUBA AN $3 / 23 \& 3 / 30$, // TO R.Progreso OUtLets 660-70-80-90 \& 700 (CF
715 hrtv tegucigalpa, hovDuras verified in less than a week for $2 / 17$ report with souventr patch and in EE (JKC)
755 CSA3 Lisbon, portugal good several evenings at SSS til s/off 1915, long report out here (JKC)
764 .... Dakar, seneghl heard $3 / 300220$ with loas of music but few announgements, at S8 (CR); good most eves and especially til after 0300 MMs . On $3 / 23$ THL 0305, 3/30 TIL 0330 (JKC)
780 4Ya dunedin, new Zealand. Hieard $3 / 23$ aiving time. Then quick fade ano unreadable after 0400 (CR)
 mon; apparently KCAM not yet on (rhm)
830 KIK! honolulu, hâwall heard 3/30, weak but readable. Best logaing. wcco on/off oC \& tone and this made report immessible. Gone by 0400 . Do they s/off at this time? (CR)(OFF 0400 SN: \& 24 hours others---pt)
830 hr.. Comayaguela, honduras. perhaps the mystery for so many of you. "r.istmanta Comayaguelall s/off mms 0300. Can't hear them during week so don't know schedule other AMs (JKC)
834 .... Belize, BRitish nonduras noted $3 / 29$ til 0200 with Easter servi ce(JKC) 880 4nk Warwick, Qsld.australia. Heard 4/3065\%-0732 when Chinese took over. Probably 1 kw at this late hour. Also wonder why so many of us are hearing CHINESE THIS SEASON ON FREQS WHERE JAPS HAVE HELO FORTH IN OTHER YRSi(RHM)
895 0EX4X Lima, PERU S9×10de TIL s/off $00003 / 29$, Latin mx, quite a bit of talk(Juc)
1088 .... Droitwioh, england. Definite verie eack for $2 / 24$ report, verje from London and also acknowledgment from Droitwich (JKC)
1160 --UNID-. Heard $0230-0300$ after KsL s/off. Hawalian steel guitar music with feminine announcer. Believe it was ee but not sure. am Jammer made things tough (nothing new here reforted like that--pt)
1200 prb6 Sao Paulo, brazil. Probably the la here 0200-0257 3/30. Not a "minute man" but I can:t tell if SS or Portuguese. Tape sent with tentayive type report(RhM) (Anyone log new Braztlians ourtng recent upheavali-pt)
1205 .... Bobezaux, france verie in for $2 / 24$ report wi th that wilo signature. Really strong most mas and often durina week 0000-0200(JKC)
1466 3am2 Monte Carlo, monaco strongest ta here as much as s9x25 at times; $3 / 29$ they were 250 and splattering 0460-70 U.S. stations (JKC)
1506 .... "RADIO caroline on 1991 began tests 3/28, 0000-1200. Commercial programs planned. Man behind it is Ronan OPRahlly; company operating it is registered in Switzerland. Ship is 763 ton Caroline, flying Panama flag. 2 10 kw transm! tters moored 5 miles-in international Waters- off of Harwich, Essex. No eve broadcasts due to difficult reception. Pirate station and Mr. Bevins, postmaster General, has said it is likely that legislation will be introduced to deal with it--breaking international rules and endangering international agreements on frequencles(KB); as above; good signal in Dergy all day long (RP)
1550 Xenu Nuevo Laredo, mexico. Verified by letter in ee from Miguel Villareal, Preg. OK to send us stamps for reply; QRA-Box s14, Laredo, Texas (rim)
AROUND THE WORLD
IRELAND--HAs Extended transmission to 1900 Wed. naghts. Also they plan to bullo number of relay stations to help cover poor areas entountering qPM. Also plan Fm(RP) ISRAEL---ON DAYLIGHT TIME FROM APRIL 19 (RSDXB)
REPORTERS (KB)KEN BROWNLESS, 7 The AvENuE, Clifton, York, England; (RP)ROy PatRick, 8 Sidney St., Derey, Enaland; (JkC) Jerry K. Conrad, 710 South Limestone, Lexington, Ky. 40508 (Halli crafters Ss-110, $4 \frac{1}{2}$ Ft loop and 20 Ft. high 2001 long wire; welcome aboard Jerry!-pt); (RhM)Roy H.Millar, Box 91, Marysville, Wash.; (CR)Chuck Reh, 34 Garrison, Avenue, Leamı ngton, Ont. (Thanks Chuck-pt). Dontt forget lads wetre weekly for April. Summer dogent have to be a hiatus. Use it to bring your totals up to date and forward info to Hank Wilkinson; good time for those follow-ups you've been putting off; and GOOD TIME TO SENO MEV/S FOR ADDESSEE FOR PAST SEASON. CONTEST ENTRIEG TO ME AT THE above adoress til our volunteer ply pulls through - 73 .
16. GERMM EUR(WEST)
17. GI BRALTAR
18. GREECE
19. HUNGARY
20. I CELAND
21. IRELAND
22. I TALY
23. KHRELIAN-FINNI SH(USSR)
24. LA簿TVIA (USSR)
25. LITHUANIA (USSR)
26. LUXEMBOURG
27. MALTA
23. MOLDAVIA(USSR)
29. MONACO
30. NETHERLANDS(HOLLAND)
31. NORTHERN IRELAND
32. NORWAY
33. POLAND
34. PORTUGAL
35. RLMANIA
36. RHODES-COURIER
37. SARDINIA
38. SCOTLAND
39. SPAIN
40. SWEDEN
41. SWI TZERLAND
42. UKRAINE (USSR)
43. vatican state
44. NALES
45. WHITE RUSSIA (USSR)
46. yugoslavia

TRIESTE(During 1947 to 10/5/54)
CHANNEL 1S. (No BCB)

1. ALGERIA
2. ANGOLA
3. BURUNDI
4. CAMEROON (REP.)
5. CENTRAL AFRI CAN REP.
6. canary I SLANDS
7. CHAD (REP.)
8. DAHOMEY (REP.)
9. EGYPT (U.A.R.)
10. ERI TREA
11. ETHIOPIA
12. GABON (REp.)
13. GUINEA (REP.)
14. I VARY COAST (REP.)
15. KENYA
16. LI beria (Rep.
17. ALASKA
bÄhamas islanos
BERMUDA
BRITISH HONDURAS
CANADA
canal zone
18. COSTA RICA
19. CUBA
20. domini can republic
21. EL SALVADOR
22. GREENLAND
23. GUADELOUPE

W

1. argentina
2. BOLIVIA
3. BRAZIL
4. BRITISH GUIANA
5. CHILE

COLOMBIA
33. SENEGAL (Rep.)
-Q4. SIERRA LEONE
35. somíliland (French)
36. SUDAN
37. TANGANYIKA
38. TOGO (REP.)

39m TUNISIA
40. UGINDA
41. UPPER VOLTA (REP.)
42. ZANZI BAR

## I NACTIVE

TANGIER - before $7 / 1 / 59$ SPANISH MOROCCO before ' 55
GHANA - No BCB
31. RHODESIN \& NYASALAND
32. SAO TOME \& PRINCIPE(REP.)

## NORTH AMER! CA

13. GUANTANAMO BAY
14. GUATEMALA
15. HAI TI
16. HONDURAS
17. Jímalca
18. LEENARD ISLANDS--INCL. Antigua, Nontserrat,
St. Kitts
19. MARTINIQUE
20. MEXICO
21. NI CARAGUA

## SOUTH AMERICA

7. ECUADOR
8. Falkland ISLAiNDS
9. NETHERLANDS ANTILLES, including Aruaa, Curacao, Bonalre

## 22. PANAMA

23. PUERTO RICO
24. ST. PI ERRE 3 MI QUELON
25. SNAN ISLAND
26. U.S.A.--does not include Hawal:, Alaska.
27. VIRGIN ISLANDS
28. WINDNARD IS., I ICluding Gremada, Dominica, St. Vincent, St. Lucia
INACTIVE: LABRADOR) (AFTER Newfoundland 4/4/48)
29. PERU
30. SURI NAM
\#ii3. TRINIDAD \& TOBAGO
31. URUGUAY
32. VENEZUELA.
