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Our Twenty-Ninth Season

April 28, 1962

RICKY LAVINE SAYS

"Enclosed is \$4.00 for my annual membership. Without DX NEWS any DXer would be lost and that goes for me too!"

CHANGES IN STATION DATA - FCC

(Purchased from the Seabrooke Printing Company, Washington, D. C.)

NEW STATIONS

~960	Roswell, New Mexico	1,000 D-1 1530 Many, Louisiana	1,000 D-1
1.480	Jena, Louisiana	500 D-1 1560 Nashville, Tennessee	10,000 D-3
		FACILITIES	

√930 W W N H Rochester, New Hampshire, to 5,000 U-2, from 5,000 D-1, same channel.

1260 W N O O Chattanooga, Tennessee, 1,000 D-1. Cancel CP for move of XR site. 1400 W D O T Burlington, Vermont, to 1,000/250 U-1 from 250 U-1, same channel.

≥ 2490 W Z O E Princeton, Illinois, to 1,000/250 U-1, from 100 U-1, same channel.

1560 W Q X R New York, New York, to 50,000 U-4, from 10,000 U-1, same channel. (FCC says now 10,000 U-1, but we believe they are operating 50,000 U-3-ed. DSalamanca, New York, 1,000 D-1. Cancel CP for power increase.

1590 W G G O

NOW ON WITH 1,000/250 U-1, SAME CHANNEL:

1240 WINN -KBMY WKDA 1230 K X L O 1340 A S I D

1450 WANE KIRX WPAM

1490 WSIP WESB

DELETED

1480 W H J D Hazlehurst, Georgia

"AN" SITUATION

1520 K O M A Noted "off" several mornings irregularly of late, including Ma 4/23. CONGRATULATIONS

To Ray H. Kraul, and naturally to Mrs. Kraul, too, on the birth of a daughter on 4/14. This makes six, doesn't it, Ray?

NEXT ISSUE OUT ON 5/12

Don't forget, the next issue is in two weeks, and then we will be on our summer, once a month sked. The June issue will come out on 6/16. Brooklyn and Lemoyne deadlines for these issues will be the Tuesday before publication date, i.e. May 8 and June 12, and one day later in Mendota. We'd like to hear from you for these issues, and remember please to DOUBEE SPACE your reports; limit of 30 lines; and one report per issue per member. Let's keep our summer issues interesting and newsy - you can help! PLEASE NOTE

PLEASE do not send your Editor anything you wished returned, for several reasons. One is your valued letter can get lost and/or thrown out here with old Musings reports. and also we just don't have the time to take care of this detail. Thank you.

VERIE SIGNERS LIST

Since we have so few of them on hand for this issue, we will hold them over until the May 12 issue, and include them with what we receive for that edition. We ask you to please keep sending them in, but kindly check back at least six or seven issues to make sure you're not sending in a "repeat." If your Editor has to take time to weed out repeats, then this could kill the v/s list for good. So, please do your part with your v/s and there can be no trouble in this repitition. This is no contest to see who can send in the most v/s, you see- it is merely a list to help a fellow member obtain a verie from said station. So if KSEL-950 was listed in the 4/74 issue, kindly do not send that name in again for the 4/28 issue - hint! Thank you - see you in two!

Bob Foxworth - 69 Elm Street - Summit, New Jersey

Time again for another overdue report from this corner. No activity to speak of for quite a spell now, I'm afraid, just some occassional listening around. I did manage Ljubljana-917, BBC-1484 and a few domestics bot too spotty to report on. BBC was heard at about 1:10 around the second week in March, forgot the date or I would have sent them a tape, hi. The sunspot cycle should bring better CX next year so I'll bag 'em then, right? Gadzooks, already the band is clogged with static, seems to happen once a week, usually late Surday night. I'm still working on my pulsed and delay-line triggered noise-sampling circuit using silicon planar transistors, designed to dliminate static and leave the signal. But it works backwards - an expensive static simulator, I suppose it is. A wild idea though. Also, a glance at the bench shows a few projects in the mill, such as a matching and phasing network for receiving antennas which ought to give directionalized reception, and a better gain-inverse bandwidth product than loops. Maybe I'll get a used HQ-129-X and work on it, too. That set has a lot of potential if it is brought up to date with new RF stages. So, all in all, I hope to have some brainstorms to spring upon the gentry at Indy this fall. If anyone has some ideas on tuners and such, I'd be pleased to exchange notes. This goes for guys like Rippel who have been too quiet lately. Also I'a like to hear from some European and New Zealand members and exchange notes on the types of antennas you chaps use, especially your thousand-foot directional wires. I'd write you, but dunno who to write to. Tapes and letters will be shot back your way promptly. How about it, guys? I'm writing some 160 meter ham DXers for tips, too. Kudos to all who placed in the Foreign Contest and it'd encouraging to note how well Eastern League's own Ben D. placed. Wish I had tried harder myself. Nice going, guys. Showers due tomorrow, 4/ 23. so guess I'll stay in the sack. 73, all.

Ralph M. Johanns - 11 East Chippewa Street - Buffalo 3, New York From CBU-690 their 25th anniversary v/l of CBC 701 Hornby St., Vancouver mentions 408' XR towers with a N cardiod, PST sked is 6 am (SM 7)- midnight, also the new CBC-Vancouver v/q with decoratives (blue front) fill-in and signed (back). V/l Missionary station WIVV-1370 lkw. Vieques Island, P.R. with the WIVV Story showing all the Lesser Antilles Isles. Broadcasting is all EE in AST from 5:30-11:30, also broadcast in San Juan through WFID-FM-95.7 until able to build their own SS-AM and EE-FM stations. CM by Robert C. Ardrey, PD and Prom D of ONLY Negro power station WDAS-1480, WDAS Building, Belmont Ave. at Edgely Rd., Philadelphia 31. Said 24 hours daily except Sunday night silent from midnight-5 am; 40th anniversay edition of Broadcasting and Sponsors will have interesting WDAS story. (My '54 verie was 1400 kc/s.) V/l on WKBA-1550 continuity/1 by M.F. Kavanaugh, 6E saying never used WODI call, day sked for WKBA and others in Roanoke area as May, 5:15-7, June 5-3,5July 5:15-7:45. Got the Vt. map and folders, later the oversize v/q (picture of WJOY shanty) and the lkw-250w CM folder, WJOY-1230, 633 Main St., Burlington Vt., info on v/q, sked 5 am(SM 7)-12 midnight. F/c second Wed, night, 001000 (I don't know how he means this). The last week DX poor Relieve OC/AN-1560 is a "newie" getting ready. Pat, KKHI-1550 s/off at 4 am EST. 4/ 20- Heard SSB 5:58:45, then 5:59:45 "Good morning, this is WHILE Medford, ass. (6:00) bang. and CKFH. 4/19- r/c-M WAGF-1320; at 3:47 KGUL-1560 500w. with XR test, then 3:59 TTer to 4:59 s/off finally said WQXR New York; a s/on at 5:23:15 by W--W (either WLEW or WGAW) on 1340; while WHMI-1350 Howell Mich. signed at 5:58:30 am. WTKY-1370 Tompkinsville, Ky. heard at 5:15 and 5:17 s/on. 4/16- Got WBCR-1260 Christiansburg, Va. s/on 5:00:15 am and I put an hour in on 1380 listening to SS Radio Clube program and so Ernie, thanks and Pat, don't get fooled 4/23, it is WBNX New York going SS AN The "Queen's Printer" Ottawa Ont. sent notice, new issue with supplements for list of Canadian stations (Am FM TV SW and relays) \$1. Is going to print now. Rugg (the CTOX spot) is starting a radio library. Local WYSL-1400 hasn't started any 1kw setup yet. 4/23, took CHIQ-1280 AN; at 5 am WHVR s/on and held it half hour; WATR-1320 was tops RS at 5:20, WILA-1580 "Open House" religious RS 5:48 to WPGC s/on at 5, then s/on 6:04 by WOWE 'front' and so goes the Early Bird with 73sss.

HEARD SINCE LAST ISSUE 920 W K V A Now 1,000/500 U-2 ·/1350 FCC FCC KSRO Now 5,000 U-2 WKYO √970 WAMD Now 500 U94 NRC NRC 1360 Caro, Michigan ,⊿300 W B S A NRC WRCK Ex_WCHP (Not WCRL) NRC Ex-WAVC **1410** 1540 KPOL Now 50,000/10,000U4 FCC WFFG FCC Marathon, Florida /1330 W E A W Now 5,000 D-3 MRC ·/1600 WFNL North Augusta, S.C. NRC

Frank Williams - 5237 Elmwood Avenue - Lyrwood, California DX here is slowly giving way to spring, with fewer loggings per week. Since last Musing: 4/2- KIRO-710 Seattle logged with KMPC off for Conelrad 3:30-3:48 with TT and ID at 3:31. Then my third Alaskan, KFQD-730 plasting in over CKDM 3:58-4:10 am. Next my "best catch of the season" and my first Quebec station, CJAD-800 Montreal in S-7 at times from 4:30-4:44 with NX WS and a few records. There was no QRM, just fading, and this one a real surprise while looking for the elusive 1YZ. (Hello up there, Andy.) Finally CJOB-680 Winnepeg, 5:20-5:30, with early morning RS. On 4/9, my lone logging was CJAT-610 B.C. with NX WS, s/off 3:00-3:09 am after pest KFRC left the air. 4/9 was a pretty good night, with WTAR-790 blasting in loud and clear AN but unn. WABC like a local at times, but I gave up DXing at 2:15 am PST after a long hard day on the beach. Still one more logging, KWAY-1570 Ore. r/c 4:05-4:30 on 4/12. XERF was on in SS but KWAY cut right through them indicating "Radio Fiesta" has had a drop in power. I've also noticed CHUB QRMing them, which never used to happen. Incidentally, all these logaings were on the Pontiac car radio, except KWAY. That includes CJAD, which I believe is a long long shot for any kind of a receiver. My Zenith, sitting nearby on 4/2 was unable to get anything on 800 except a very faint glimmer of a station while CJAD was strongest on the car radio. Unusual, should be the other way around. Anyway, all you EC DX-perts who have been getting KGBS S-9 on MMs, sorry to inform you they're non-directional at that time. "With KDKA off, there's nobody to protect, wo why be directional?" says their CE, Mr. Reeves at the MR five blocks S of here. Totals here are 486/283, and I'm getting frustrated since KICY and WAPA didn't verify. Nor KWIC KSAY XEW, all of which I want very badly. Much doings in Los Angeles rr radio, with KRLA to be off by 4/16, although this is 4/14 and still they haven't mentioned a thing on the air. KDAY-1580 today, according to a friend, mentioned they're "sold out" and will change hands on 4/16! The Eleven-Ten Men go to 1530, perhaps? still don't know, but by the time this hits the press the mess should have resolved somewhat. How about another abbreviation, Ernie: "SC" for Survey Collecting, since the need is becoming apparent now? Variations can be SCing, SCers. 147 surveys now, Alex - take that, hi. Denver '63. 73s.

Ricky Lavine - 505 South Berks Street - Allentown, Pennsylvania
On 1/28 local WSAN-1470 had a XR fire and was off the air for three days. I took
good advantage of this by logging CHOW/CFOX-1470, WOKO/CKRB-1460, and WHBC-1430. All
veried except CKRB. Other DX: 2/4- KRMG CKAC. 2/9- KFI. 2/10- CKGB-680. 2/3- CJSS1220. 2/21- WHEB (just before their studio fire). 3/4- WSIG Mt. Jackson, Va. 790 on
s/off. 3/8- WHLD-1270 Niagara Falls, N.Y. 3/10- WING. 3/14- WHLL KWK. 3/17, a big
sur rise - KPRO-1440 in Riverside, Cal. at 2:30 am. 5/24- WMT CFCF and WBCB-1490 in
Levittown, Pa., also WTAC in Flint, Mich. Latest DX: The new WYNS (semi-local) 1150
in Lehighton, Pa. whosigned on at 10 am on 4/12, also WHUN-1150. 4/14, heard WHISBluefield, W. Va. Totals: 335/252 with 40 CMs and 30 record surveys. Incidentally, I
have plenty of WAEB WIBG and a limited number of WKAP surveys. Anyone want to trade?
Keep 'em coming! Frank Williams, I'll make up your list as soon as time allows.
That's about it from A-town. Don't forget the surveys. 73s.

Hi guys! I decided that it was about time to muse again, so you all wouldn't forget that there are still some NRCers in Oklahoma. With the spring storms sweeping down the plains, DX has come to a near halt, with only a few SSSes recorded at this den. The only thing worth mentioning was KCCO-1050, Lawton, Okla. on 4/10. By the way, I'r going to be in Dallas for the National AIA Convention at the Statler-Hilton, from May 7 through May 10, if anybody is in the area, drop me a line soon, and we'll get together. Also, my SX-99 and DB-22A preselector are still for sale. \$200.00 worth of equipment for a measly \$100.00. It's a real bargain, so the line forms at the left. Come on boys, I'm broke! That's about the full scoop from this den, so 73. WATCH THE MONTHLY SUMMER ISSUES FOR IMPORTANT DETAILS ON THE UP-COMING INDIANAPOLIS NRC CONVENTION OVER THE LABOR DAY WEEKENE. IN THE MEANTIME, MAKE PLANS TO BE THERE!

Season is waning, the skiers in Vermont will soon have to give way to the golfers and trout fisherman. DX will become sporadic and the poor receivers can cool down to room temperature. Caught every special DX I needed but CHAK - no trace of ID on him. CFCB and CB73 were the toughest, On the latter, HJCU had the most fantastic signal I ever heard from a Colombian, You could hear the announcer draw in his breath. Only Mr. Smeedge's tape saved me - thanks, Roy. Finally landed a verie from WAFS-1570 and that PP card cost plenty of time and postage. Wonder what Amsterdam has against us? Only way I got WGAV who failed, after testing on 1570, was to have a friend take my card in and he finally got it signed. WCSS also was real tough. Hank Wilkinson had a musing in some time ago and he had statistics on his returns and costs, but I liked the way he ended his findings. He remarked that he loved his hobby and would continue to try and confirm his catches. All hobies cost money, The ZP9 verie I got from Asuncion, Paraguay cost me almost three bucks but I'm sure proud of it. Takes a heap of writing but it pays off. Jack Diamond, PD at WENZ-1450, Richmond, Va. stated that writing veries did not come undet the head of his duties but (quote) "I've noticed your name on the return address section of too many envelopes to be pure coincidence." He added that the XR is located in Highland Springs, three miles from Richmond. Ernst is so wight - a radio station is a business, not a plaything. However, you can write a f/up every two months or so without arousing any umbrage, but only if you keep them painfully polite. Was pleased with a recent verie from WISA-1390. I got a bit of ribbing from Villiam C. Reeve for spelling Isabela with two 1s - that was #43 from Puerto Rico. It was a mad season and I squeezed all I could out of it. The count is now 5.923 and so 6.000 is no longer beyond reach, if I can only live a bit longer. hope your Easter eggs were fresh and ff they weren't, don't throw them at our Editors. They all did a tremendous job - gracias y 73.

John Swanson - 3654 North Paulina - Chicago 13, Illinois
School has really ruined DX. Luckily, I will be off all next week so am planning on overworking the rig. 3/17- KVPH-1550 on ETs as a new station © 2:10. 4/8- Unn WGEM-1440 with S-9 signals on RS at 1:20 am. 4/15- WKLX-1440 on f/c @ 2:18. Veries: WREN WMPO-dx KVPH v/ls, WAPI and WTCH v/qs. WTCH took seven and a half months to come. If you wish to trade surveys, I will be glad to abilige. I have locals WLS and Living-

ston's (ex-WJJD) to offer. 73.

Ralph R. Hartman - 127 South Columbia - Naperville, Illinois
Greetings! This is my first report since receiving the first NRC bulletin. It looks very good and was very pleased to find a f/c list inside. This is something I've been wanting for some time. The antennas are a "folded longwire" 200' long and about 25' high and a spiral loop 38" on each side. The receivers are a Hammarlund HQ100C and a National NC-57 as auxiliary. Since I started keeping a moderately accurate log on 7/22/60 I have compiled a record of 529/81 stations, 39/32 states, and 13/3 countries. Haven't had much time to DX lately since I'm taking 16 hours of college and it keeps me busy. As for April the only new DX was heard on 4/17: KBRX-1350 fair with f/o-TT from 1:32-1:39, WKYO-1360 (new station appatently in Caro, Mich., audio a little muffled but didn't sound very much like WWRO), S-9 plus 20-35 over with TT from 1:43 to 2:00 and beyond, knocking out WSAI. WMIN-1400 barely discernable at 2:05 s/off, WTTC-1550 good with moderate fading from 2:13-2:15 and beyond on f/c-TT. No veries as no reports have been sent lately. 73s. (Welcome to the NRC, Ralph, and your Caro, Mich. station is definitely WKYO, as they had a call change recently from WWRO. We hope to hear much more from you as your DX rolls in! -ed.)

Roy Barstow - 16 Harding Road - Walpole, Massachusetts

A little DX toreport. 4/15- WDEW-1570 ET 1:25 am. Some station on 1570 off at 1:38 am with SSB, who? 4/16- KENO-1460 in the clear at 2:30 am for a log. This one may not be heard again in a handful of months. 4/17- WTTC-1550 f/c at 2:15 am. WMSJ-1480 f/c 2:20 am. Reports to both. 4/21- CBK-540 finally heard instead of AN VDAK for a report, 1:00 am. CFRA-580 at 1:30 am for a logging on a change of frequency. That's the DX here. Verie are WDSK "Radio Monte Carlo" "Radio Luxembourg" saying "thanks for the report on 6,090 kc/s." They got the frequency wrong and even the date of the report wrong! Other veries are KOIL WPTX and WZZZ who also got reports from Brooklyn, Buffalo and Reading, Pa. That's it from here, so until next time, 73. REMEMBER THE NEXT ISSUE IS IN TWO WEEKS. WE'D LIKE A REPORT FROM YOU FOR THAT ISSUE, BUT REMEMBER PLEASE - ONLY ONE REPORT PER ISSUE PER MEMBER, WITH A LIMIT OF 30 LINES.

Doug Murray - Box 305 - Dartmouth, Nova Scotia

Hitthere. Greetings from one member of the NRC's Nova Scotia quartet. A great Poc has spread across this land known as the "exam." This the scarcity of reports from this den. DX since last report: 10/3- Noticed WICE off and logged CKSL and KOIL-1290. 20/3- I caught tests from WISL-1480 WLSC-1570 and WPYB-1580, all between 12:30 and 1: 26/3- WCDL-1440 testing at 4:45 am; WKRT-920-dx. 28/3- WDEW-1570 finally logged after WPEP s/off. WAFS s/off noticed at 6:15. WRDO-1400 6:05 pm; CJFP-1400 7:30 cm. 29/3- KCHA-1580 on for flood CX and WCOY-1580 TT asking for reports; WTIX-690 1:40 am. 4/4- WGIR-610 at 5:46 am; WWSR-1420 s/on at 5:59 am (#8 in Vt.), CBY-790 s/off 10:30 EST. 5/4- WEEE-1300 s/on at 6 am (haven't answered previous report); WBVM-1550 s/6n 6:15??. 9/4- WVLK-590 noticed on AN; WCHS-580 4:36 am; WHIO-1290 s/on 5 am, WSYD-1300 s/on 5:00; CKLD-dx-1230 heard. As far as I know CJRW was not on - I tuned in then during the last half hour of their sked broadcast. 3/4- I listened to 730/740 and noticed WGSM s/off 6:30, WTAO s/off 6:30, WVCK s/off 6:45. New veries: WKFE-1550 WYTI-1570 KONO-860 KPMC-1560 WTRB-1570 CKSL-1290 KTRH-740 KKHI-1550 WEUN-790 WKRT-920dx Wrdo-1400 CJFP-1400 Wagm-950 Wcdl-1440 Wdew-1570 Kcha-1580 Whyn-560 Wisl-1480 CKPT-1420 CBY-790 WJOY-1230-dx. WJOY sent me maps and a QSL. I got fourth prize in their contest for most distant listener - who else got prizes? Has anyone seen a verie from WMOD-dx as yet? Please excuse me for not answering correspondence but exams are keeping me busy for a couple of weeks and you will hear from me then. An idea just struck me. Ernie seems dissatisfied with the v/s list due to repeats etc. How about having one member in charge of v/s? All names would be sent to him and he could arrange a list and those members needing names for f/ups etc. could contact him? I would be quite willing to take on the job if you like the idea. Let's hear a few opinions.

Robert Feulner - 17305 South 70 Court - Tinley Park, Illinois Greetings from what seems like Tinley Park's only DX den. This is my first entry in the Musings since I became a member of the NRC, two months ago. DX has been slow lately, with only a few new ones heard. 4/7- WCHS-580 Charleston, W. Va. heard at 9:45 pm 4/14- WHHY-1440 Montgomery, Ala. at 8:10 pm. 4/15- KTOE-1420 Mankato, Minn. at 7:30 am. 4/17- VPCF-1430 Panama City, Fla. on top of WIRE/WIL at 9:00. Totals: 303/74, with 15 reports still out. 4/17- I felt like having a good laugh, so turned on XERF. They must have cut down their power, because they were way under CFOR. I have lots of WLS surveys for anyone who might want to trade. I thought that some of you might be interested in knowning what some of the call letters of the Chicago radio stations stand for, so I have made a short list of them. WGN's call letters stand for the Chicago Tribune's slogan "World's Greatest Newspaper." WLS was once owned by Sears, Roebuck & Co. and so their call letters stand for Sears Roebuck's slogan "World's Greatest Store." WCFL stands for the Chicago Federation of Labor. WMBI's call letters stand for the Moody Bible Institute. WJJD's call letters stand for the initials of Sen. James J. Davis. Back in the 20s the Chicago stations agreed to go off the air dne night a week. This was to encourage DXing and therefore stimulate the sale of radio sets. That's all for now. 73s. (Welcome to the NRC, Bob, and we shall be hoping for many more fine, interesting reports! -ed.)

Larry Godwin - 1506 Broadway - Boulder, Colorado

Hi gang! Back at the books at CU, that DX-less campus 30 miles from Convention 63 City! Last night at Marv Robbins spartment in Broomfield the following NRCers convened to discuss plans for the '63 Convention! Francis and Maurice Nittler, Hal Wagner, Murray Mann, George DeGrazio and our special guest Ernie Wesolowski from Omaha,/4 on vacation. Thanks to a gracious host we all had a very fire time. We are planning an overnight trip to either Mt. Evans or the Trail Ridge Drive to test DX at 14,000. Just received a letter from Chris Hederstrom in Venezuela on his world-wide cruise aboard the ::/s Soya Pacific. I'm looking forward to seeing Dave Roys' Convention Agenda and to joining the fun dver Labor Day. Anyone located between Amarillo and Indianapolis (roughly) drop me a line and will give you a ride. By the way, any NRCers on vacation this summer, and travelling through Amarillo, I'd like very much to hear from you, and you would be welcome to stay the night. KSCJ-590 Pueblo, Colo. is scheduled to change calls to KOAA, says Marv. I have about 50 old KFDA surveys for anyons who desires one. Summer is my strong DX season, free from schoolwork, and I'm really look ing forward to pulling in some good catches. Thanks, Len Kruse, for the f/c list material. Hats off to the very fine foreign and domestic CPC! See you in Indianapoli, 162, and Denver 163, Park Barton! You'll have a Musing from me each month this summer

Andy Rugg - 16 Lakebreeze Avenue - Pointe Claire, Quebec Hi. Right now (7:10 rm, 4/19) I'm trying to get a new station on SSS but nothin! doin!!

DX: 3/27- HOS22-645 briefly at 12:15 pm. 3/30- Hurray! Log on HOS22 10:22-10:30 pm and CBN s/off clobbeted 'em at 10:30 as GSQ and 0 Canada splattering all over the place That nice-sounding mx on 640 was HOK for a new call. 4/2- KCRG-1600 12:07 am, too brief for a report; WXKW-1600 ET/TT 12:25; WJNC-1240 r/c 12:42; WBKN-1410 f/c 2:06. the last four new calls; KCTX test 2:17, this on 1510 and a new call. 4/3- WHIN-620 through WCAX @ 11:57 for new call. 4/5- CFCY-630 11:10 pm, new call. 4/8- KTCR-690 test 1:12 am, new call; CBAF-1300 7:25 pm and new call; log on YSC-1015 9:53 and report 4/12- WEEE-1300 7:25 pm and a new call and a tentative out to WJDA; WLSH-1410 6:37 pm for a new call; HRVW-1185 11:0-11:19 pm for #2 from HR-land. 4/15- WMIC-1590 f/c 12:19-12:30 am; tentative to WSWW-1590 as Braves Baseball behind WAKR; WKLX-1440, test 1:35 am new call; WGR-550 2:06 reported. Frank Williams' favorite, CFCF Ville Newspaper says one of the locals will quit soon - wonder who? Thanks for the CJOR survey, Dave Bennett. I've kept trying for Connecticut on 840, but alas! CJAD-836 and CKVL 815-860. By the way, does WYRE or WLAT verify without a PP? How about WEER WAAB WEZE UPRS WINR WRVM? It's 7:28 now and no knew DX yet. Guess I'll send a new report to WFIL. Strange, WCSH-970 loud and almost clear 7:40, with CKGM ten kc/s. away. Logging som thing like WIBG in Montreal makes Newark reception of PJA5 with WNJR on look like nothing, hi. Art Bjork - your Radio Tiempo on 740 is WIAC, lOkw. Dal, my rig is in the basement and those drafts have given me many a cold. Jeff Stewart, I agree 100% re XERF. Veries: WKBO WKYR WGHQ (PP a year old) PJA5 WHUN WGTO WKRT HJAF WOOK CMHQ (v/s is Technical Department) CJMS WGN WJNC CFCF CBAF CHGB KCTX WBVM WIAC KIMN CHLN KTCR. Can I use the "curse" of Carroll Seth as an excuse for flunking Math? Jim Ernst's 4/14 DX NEWS Musing brought up some very good points. Sure hope CKBC gets 1360 as I need 'em. Lastly, Phil Jacobs admits he was not serious about a "Montreal 64" Convention. I never was. Gatineau 64! What say, Sam? 73 from Montreal's most Harold Wagner - 1264 Longs Peak - Longmont, Colorado SW DXer.

Had a wonderful time at Marv Robbins' last night with eight of us local DXers in attendance. Ernie W. was trining to give away his return ticket to Omaha but no takers we all likes it too well out here. Got the Super-Pro going and taped 20 minutes of cl mx on 1420 kc/s. MM 4/16 which Fran Nittler with a more directive antenna that-a-way says was 2AP, Samoa, but they faded out here with no announcements, sigh. Tuesday AM the power lines out loose and have fouled things up since. Was getting better reception on the car radio coming home from Marv's this AM than I could do on the house ra-Streat lights went out tonight and electrical crew out inceking so hope that may te the source of the noise. Splits were quite good earlier in the week and also surprised to hear CHOK battling KNX. Never know what's going to be coming in when you turn on the set - sure is changing fast. To those of you who don't subscribe to Outdoor Life or the Washington (D.C.) News suppose I had better set your minds at rest. YOGI-870 can be any one of 77 grizzly bears in Yellowstone National Park which have been tagged with radio XRs broadcasting on 370 kc/s. My compatriots out here couldn't resist after I showed the article to them. Give a listen when touring Yellowstone this tear. YOGI-77 is the one on his hind legs at the entrance gate greating visitors, hi. And in '63 don't forget Colorado's infamous slogan "Help Keep Colorado Green - Bring Money! "

Wayne Wisniewski - 4545 Mercer Street - Philadelphia 37, Pennsylvania Since I joined NRC only a month ago this is to be my first report to the Club. Instead of listing my recent catches I'll give you a rundown on myself. The receiver I use is a seven tube Zenith with a 45' outside antenna. Have logged 217 stations in 37 states, six provinces and eight countries. Best DX are: CJGX-940 KNBC-680 KFI-540 KOA 850 KOMA-1520 WPAP-1570. Also I will send anyone who sends me a survey from his local stations a copy of local WIBG's survey. Before I shut my big mouth do you know the call letters of a Detroit station around 950 kc/s. Ernie? I logged one on 4/15 but I could not get call. 73 to you all. (Welcome to the NRC, Wayne, and we hope for many more Musines reports! Your Detroit station is WWJ-950. -el.)

Bob Duggan - 1112 Mason Woods Drive NE - Atlanta 6, Georgia The latest program sked from Bogota shows HJND on 570 with 100kw., and HJHF (Manizales on 960 with 10kw. Both are operated by Radiodifusora Nacional. The 100kw. outlet should be audible fairly readily in North America. MEXT ISSUE IN TWO WEEKS. LET'S BE SURE WE HAVE A REPORT FROM YOU IN IT! 30 LINES!

Pete Taylor - 2340 Pacific Avenue - San Francisco 15, California During early March, I sent out 200 questionnatires to radio stations with SAS and at no expense to or mention of the NRC. 67% replied after six weeks; "NA" here means "no answer. The queries were as follows: (1) DX reception reports are: interesting and useful, 56%; just interesting, 7%; routine, 25%; of no interest or value, 8%; NA, 4%. (2) Does your station generally answer DX reception reports? Yes, 99%; No. 1% (no comment!). (3) If "YES" above, who generally answers them? CE, 81%; PD 5%; GM, 4%; Prom M, 2%; other, 7%; NA 1%. (4) If "YES" in question 2, do you use: personal letter or card, 54%; QSL, 20%; form letter, 21%, "r" letter 2%; PP card only, 5%; other, 3%. (Over 100%, some use more than one). (5) Do you prefer, both as evidence of reception and for convenience's sake; written report, 91%; tape, 0%, both 4%; NA, 5%. (6). If you prefer "tapes" above, would you still prefer them if all reports were in the form of a tape recording? Three out of four who answered "both" above said yes. (7) Are you personally interested in any phase of DX? Yes, 39%; No, 55%, NA 6%. (3) If "yes" above, are you interested in: AM DX, 26%; FM DX, 7%; TV DX, 6%; SW DX 3%, amateur radio, 14%, citizen's band, 2/2 (some checked more than one answer so is over 100%). (9) What U.S. DX organization's members seem to provide the most interesting and beneficial reception reports? NRC, 34%, NNRC, 7%; both NRC and NNRC, 7%; other, 3%; NA, 49%. (10). Has your station every consented to or considered or actually put on a special "early hour" DX program for one of the DX Clubs? Yes, 29%; No 70%, NA, 1%. Those were the questions. They were also asked how we could make reports more useful and beneficial, and what their criteria was for verification. Signatures were not required. stations said they were just about to a PP card stage only due to time. Eleven more said they were still plagued, and irritated, by "I heard your station. Please verify" type reports (no details). The less than 70% return is disheartening and is even less than mt report/verie average. It should convey the fact most station personnel do not consider DX mail an overwhelmingly glorious event. I doubt if 49% of reports are from non-club members; this noncommittal figure doesn't seem to indicate CEs know what the DX Clubs are or that Club Member reports "stand out" for accuracy. Three speifically stated tapes were a nuisance. More next week and are available to anyone for postage...

Veries, WKBA-1550 (after two f/ups) KHHH-1230 KECK-920 (after five months) WGMM-1380 WWNS-1240 WGAU-1340. 4/9- WZZZ-1510 Boynton Beach, Fla. new station on ET at 2:15. Another new station, WGMM-1380, Millington, Tenn. also on ET/M most of morning. KGER-1390 briefly atop KCEC at 2:30 ID. KSEL-950 logged on MM AN show under KIMN; WERL test ID also heard 2:44. KDON-1460 s/off 3:00 with another WC s/off at same time - KENO, I imagine, but missed ID. KYW-1100 ending AXR test 3:25. Unn KVIL-1150 ET/OC, only ID heard was at 4:12. 4/16- WGAU1340 f/c-TT 1:17-1:27. KOMA noted off AN; Station on 1520 with continuous mx; 1:30 ID in SS mentioned Havana, so most likely CMBD. WGMM-1380 on test again. WISM-1480 until 2:03 s/off, atop KBOX. KELI-1430 off AN for past two M s, so maybe they do have a silent period. WVLD-1450 f/c ID 1:51, never veried last year's RS report. WWNS-1240 f/c-M 2:09-2:14. Verie said f/cs are made on "the first Sunday night" but this was heard on third Monday (??) WLCO-1240 f/c-TT ID 3:20. Mexican AN on 1300 atop WERE.

Jeff D. Stewart - 3018 Washington Street - Amarillo, Texas
Greetings! DX has calmed down a little since that TP outburst of early April, but DX is still fair. On 4/14, KXO-1230, El Centro, Calif. RS @ 2:06. Tuned to 820, and heard a weak signal there. At 3:00, I was all set for an ID on 2GL, Glen Innes, N.S.W. but it turned out to be 4ZA, Invercargill, N.Z. for a new one. Invercargill is the home of some of the NRC's most active members, by the way. On 4/16, CX were poor. Only new logging was KGON-1520, Oregon City, Ore. as KOMA was off for a change. Two new veries: WDOW-1440, Dowagiac, Mich. and ZAP, Apia, Samoa (Western) for a welcome one. Congratulations to Sam Simmons on hearing CHAK. Is Ken Hooker/still a member? That8s it from here, so 73s.

Ray H. Kraul - 6423 33 Street - Berwyn, Illinois

Not too much to report this time in the way of DX. However, I would like to report a new daughter to the Club. Born Sat. 4/14 and all is well. As far as DX, only four new ones in the last couple of weeks. 4/9- KLFW-1390 s/off 7:45 and KOFO-1220 s/off 8:00, both SSS. 4/10- WCWC-1600 ET 2:30-2:40 and KELD-1400 r/c 3:17-3:31. V/ls from WPDX WWIN WIBG WCWC WNTT WSTL KGPC KLFW. QSL from CHSJ and PP from KMDO and KWAY. Hoping all had a nice week of WX, like we just had.

Bob Karchevski - 188 Marlborough - Boston 16, Massachusetts

4/18- CX are improving lately, rather than getting worse. I wonder for how long? Start right in on DX: 4/12- WOCB-1240 ?? at 5:53 pm. All I neard was ad for Lob's Department Store. WSKI-1240 logged o:05-025 pm. ±/14- Logged WHDH-850 (just for drill, hi) 1:04-1:21 pm. WABI-910 6:48 pm, WHAY-910 also unn, 6:54. WTRY-980 unn at 7:30 pm. 4/15- KNBC-680 in SINPO-34322 2:50-3 am, unn. Logged WXYZ-1270 (my home town) 3:07-3:16 am. CKSL-1290 logged 3:23-3:36 am. WKAT-1360 logged 3:56-4:13. At 4:02 a new station boomed in with RS and no ID. It was WKMI which evidently went to daytime 5kw. then. Logged WKMI-1360 4:02-4:35 am, when first ID given. Got a slight ID from KONO-860 before they went back into the mud. Not enough for a log. WEAT-850 logged 4:49-5:03 am. 4/16- Logged WEGP-1390 7:18-7:32 pm with mucho QHM from WFBL. Veries this week\frac{3}{4} a v/c from WCME-900 who had already sent me a letter a month ago, CJOB-630 KTCR-690 WLNH-1350, WCAM-1310 (60 days), those v/ls. V/q: WSUN-620 (oversize) and CHOV-1350

Fran Nittler - 2634 South Josephine Street - Denver 10, Colorado A little DX to report but only new catches were on MM 4/16 with four new catches that morning and five reception reports out. First, good logging on KOHO-1170 Honolulu from 5:45-6:01 in Japanese for another report as didn't verify last season. Then new catches were WFLI-1070 Lookout Mountain 4:23-4:51 finally heard on AN show with fair signal with no sign of usual ANs KIRL/HJCG on this frequency. Signal was best though when KNX was on ET with OC and said testing lOkw. AXR. WTND-920 Orangeburg, S.C. logged at s/on at 4:59 just ahead of WGNU/WEAG for welcome catch. At 5:30 heard station signing on the air on RS with "Dixie" and at ID would have sworn they gave location as Bowab, Alabama, so for a minute there I thought Alex had started up not only his own station but his own town but turned out to be WBSA, Bo-az, Alabama, ex-WAVC and a welcome new catch. Then at 5:35 KKAS Silsbee, Tex. logged on TT on r/c for another example of the swell f/c list Larry put out this season but f/c started five minutes later than the list shows. Four veries in this week including TGJ9880 QSL card for new country verified, WRCK-1410 letter and s/on daily at 5:00 as says so right on letterhead. WSYD-1300 sent a postcard and best verie was nice long letter from XEWE-1420 Irapuato with colored info ramphlet about station. Veries coming in slowly again and looks like it will take half the summer to get f/ups out this year. Will be leaving on vacation for two weeks so probably not much DX to report in May. Did note 2AP-1420 Western Samoa at 3:30 past 1 onday for third MM in a row heard. Enjoyed visit from NRC member Ernie W. of Omaha this week. KOMA-1520 off AN all this week except noted they were back on this AM. 4/19, noted unn KDTH-1370 on ET/M most of AM and said testing new 5kw. daytime power so should be increasing power soon which should make Len happy. WSON-860 noted on ET with OC and TT 2:30-3:00 with 20db over S-9 signal. Listened a little while this AM 4/21 with nothing new but noted KCUB-1290 and KXIV-1400 running late with Los Angeles Angels baseball game to about 2:45. One last word. I'm going to attend the NRC Convention in Denver in 1963 ...

J. B. "Pat" Reilley - 628 Spring Street - Jamestown, New York
KSEL WPTS WEND, three new veries after a 12-day drought of no veries; 29 reports still
out. 4/14- Picked WPTS-1540 up in afternoon for new call. 4/15- Unk on 1560 at 3:18
and off at 3:53, call sounded like CKTO and off with GSQ but noise drowned out correct
call and town. 4/16- HJCU-730 good S-5 at 2:35 - hope they will berify old report.
KSTN-1420 off air at 3:00. WDOE-1410, test at 2:59. Unk TT on and off atop KFH-1330.
KFH has an above db5 signal here daily. KKHI-1550 off at 4:00 after NX. 4/17- WKBA1550 test at 1:34. Unk in Pennsylvania left air at 2:00, sounded like WPTM but very
noisy at s/off. OC on 540 atop WDAK at 2:40, on and off, but no ID. WDMG-850, f/c at
3:00. 4/18- Worked late and no DX. 4/19- Unk TT on 1560, 3:21 and off at 3:43 but
too noisy when ID given. 4/20- WJTN-1240 tone at 2:26 ant end of the meter. Unk TT
atop 1280 mess, on and off, 2:37 to after 3:13 when I got disgusted and went to bed
again. 4/21- Up late with company and went to bed early.

Bernie Duffy - 77 Livermore Avenue - Staten Island 2, New York

By adding WPFE-1580 Eastman, Ga. 4/17 at 3:30 am, with its third Tuesday f/c and WSSL1600 North Augusta, S.C. ETing 4/23 at 2:00 am, my additions for the '61-'62 DX season
numbers 53, for a total of 2,854 total heard. Latest v/ls from WSVM, Valdese, & WPFE.

Ernie Cooper - 438 East 21 Street - Brooklyn 26, New York

V/ls from WUFO-1080 WZZZ-1510 and v/fs from KBOX-1480 WSVM-dx-1490. Only addition was on 4/23 New WFVL-1600, North Augusta, S.C. (my fourth call from that odd-named place) on ET/M with lady announcer at 2:22-2:30 and on. KKHI-1550 and KCBC-1390 loud this AM.

FREQ CALL LOCATION REMARKS
540 KNOE MONROE, LOUISIANA Officially began transmitting on this freq at 5:40 PM April 20 1962. (John Callarman(Texas)
1240 WATN Watertown, N.Y. went back on the air at 6:57-10 AM, Feb
13 1962. (Good Luck and loads of success-Harry) (Edge)
1420 WKCW Warrenton, Virginia S/on week-days at 0400 (Edge)
1520 KGHT Hollister, Calif had ET on 4/20 from 0400-0500.
1600 WFNL No. Augusta So Car had ET 4/21 (no time given)

To Andy Rugg WUFO-1080 S/off at 7PM in April and its 7:30 in May.

Well boys it muct be Summer as the only 2 items Ev Johnson had were the 1520 and 1600 kc the others I had here, so making up this small sheet in order to get them out of the way as no DX News until May 12.

Its been a long tough season in so far as your 2 Editors are concerned and both of those lads, including myself will kinda look forward for the coming issues as they no doubt will be smaller and some much earned rest can be had so we can be in shape again for the 1962-1963 season. So if you DX during the coming months, send in what DX information you have, but lets have good DX info as many a good catch can be had during the summer months. So good luck and enjoy the nice weather that will be coming our way. Also have your Domestic Contest entries to Nittler as I imagine there will be an up to date listing in the May 12th issue. Lastly remember Daylight Saving Time begins at 2 AM Sunday, April 29th so be sure and set those clocks ahead 1 Hr.

INTERNATIONAL DX DIGEST

Edited by Fred L. VanVoorhees, Box 132, Lemoyne, Pennsylvania, U.S.A.

Well the new Olympia didn't "cut the mustard" as they say, so I'm back with the old Royal again. Sorry that last week's edition was not as clear as usual. Guess this is the only answer since I must usually use a portable. Apparently this marks the end of a truly wonderful DX season, for the post office box yielded only one report. Here it is:

THE DX TRAIL

740 2BL Sydney, Australia, again logged on 4/9 between 0430 and 0500 with up to S-5 signals at times bothered by KCBS OC.

880 TGJ Guatemala City, Guatemala, QSL card received for report of

4/14 for new country verified, #25.

1160 4MB Maryborough, Queensland, believed to be the station longed here on 4/9 with up to S-3 signal but no definite ID but believe mentioned Australia on weather forecast. They are 2 Kw.

1170 KOHO Honolulu, Hawaii, logged 4/16 for another report 0330-0400 s/off in Japanese with ID in English at s/off, giving studio location as 1140 A 12th Ave., Honolulu. Didn't verify last season.

1180 3KZ Melbourne, Australia, believed to be the station logged on 4/9 from 0448-0503 in English with American tunes to 0500 when ID'd, gave 4 time pips and then a TV announcement, all in British accent. 5 Kw.

1250 XEDL Verie card received with verie signer being Francisco Vidal Gerente. Slogan is "La Voz de Sonora". At Hermosillo, Sonora, 1 Kw.

1410 Mystery SS has been heard AN here past 3 Mondays with sort of oriental sounding music. Seems to be a religious station. Who?

1420 2AP Apia, Western Samoa, heard on 4/9 with classical music to s/off at 0333 with anthem. A new country reported before. Also logged on 4/16 from 0303-0333 3rd Monday in a row.

XEWE Irapuato, Guanajuato, nice letter verie in Spanish received for a special fund drive show heard on 2/25. Signer is Jose Antonia Hernandez and address is Apartado 118, Irapuato.

Newcastle, N. S. W., English speaker noted here on 4/16 from 0330-0400 with educational program and no doubt needed 2NA but too noisy to get a report. TP's faded out early and were all gone by 0400.

All above from Francis H. Nittler, 2634 South Josephine, Denver 10, Colorado.

NOTES FROM OTHER SOURCES

Deutsche Welle

SENEGAL-*-Radio Senegal, Dakar, lists operating stations in the BCB as Senegal Inter 1538 Kcs.; Senegal 2 1304 Kcs.; and Senegal 3 1484 Kcs.

RADIO 4VEH

HAITI-*-Schedule for 4VE (1035) is Sunday 0600-0900, 1200-2300. Monday-Thursday 0600-0900, 1200-2015. Friday-Saturday 0600-0900, 1200-2300.

TUNE IN

NORTH VIETNAM-*-Hanoi now operating on 1200 Kcs. and has English twice a day for hour programs.

SOUTH VIETNAM - *- VTVN Saigon uses English on 838 Kcs. and French

on 1360 Kcs. for many news periods during the day.

CEYLO N-*-Commercial Service of Radio Ceylon is operating on a new frequency of 540 Kcs. with 250 watts.

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April 28, 1962
                                                                 DX NEWS
INTERNATIONAL PAGE 2
          TAIWAN-*-Taichung on 1520 is deleted but added frequency is now 060 Kcs. Military Broadcasting Stations in Taiwan are as follows: BEC25 Taipei 3000 1250 BEC29 Kaosiung 1500
on 1060 Kcs.
           BEC25 Taipei 3000
BEC35 Tsoying 500
BEC38 Fenghwa 300
BEC22 Taipei 1500
BEC27 Taichung 1500
 700
                                                                         1330 BEC36 Tsoying
                                                                                                                             1500
          BEC35 Tsoying
  840
                                                                      1350 BEC33 Hualien
                                                                                                                             1500
1090
                                                                       1490 BEC39 Penghwa
                                                                                                                             3000
1110
                                                                       1520 BEC23 Taipei
                                                                                                                            3000
          MACAU-*-CR9XL Vila Verde is on 1000 Kcs. in Portuguese, and
CR9XM is on 1200 Kcs. in Chinese. CR9XL-1 Kw., CR9XM-3 Kw. SINGAPORE-*-Using 630 Kcs. in English; 680 Kcs. in Chinese; 790
Kcs. in Malay-Tamil; and 990 Kcs. in National Cultural Services. All
CHINA-*-Powers of Chinese Stations
560 Peking 135000 980
570 Peking 135000 990
580 Kirin Province 1000 1000
600 Peking 135000 1020
610 Peking 135000 1060 1
660 Canton 100 1070
Harbin 100 1100 5
680 Kaingsu 10000 1110 5
720 Peking 135000 1160 1
740 Tsitsihar 250 1240 1
790 Canton 500 1250 C
Tientsin 500 1260 H
820 Peking 250 1290 S
Nanking 250 1310 C
850 Fushun 250
Tsingtau 500 1330 C
860 Kansu 250 1360 K
870 Tientsin 500 1370 W
880 Fukien 1000 1380 I
890 Peking 3000 1390 T
Antung 250 1400 T
Tangshan 500
900 Shensi 500 1410 C
910 Peking 5000 1420 H
940 Anhwei 1000 1450 W
950 Anshan 500 1470 K
60 Inner Mongolia 500 1480 F
                                                                                                                       5000
                                                                                      Shenyang
                                                                                     Shanghai
Kweichow
                                                                                                                       5000
                                                                                                                        250

      1020
      Peking
      500

      1060
      Kwangtang
      500

      1070
      Tientsin
      250

      1100
      Shansi
      1000

      1110
      Shanghai
      1000

      1260
      Peking
      1000

      1250
      Chinghai
      250

      1260
      Hunan
      500

      1290
      Shanghai
      1000

      1310
      Chungking
      5000

      Penshi
      250

      1330
      Changchun
      500

      1360
      Kirin
      250

                                                                                     Peking
                                                                                                                     50000
                                                                                     Kirin
Wuhan
                                                                                      Inner Mongolia B 250
                                                                                     Tientsin 500
                                                                                     Tsingtao 500
Wusih 1000
Chingchow 250
                                                                                      Honan
                                                                                                                    2000
                                                                                                                        100
                                                                         1450 Wenchow
                                                                                                                   1000
                                                                       1470 Kukien
1480 Fushun
            Inner Mongolia 500
960
                                       1500 Shanghai
                                                                                1000
          JAPAN-*-Japanese changes as follows:
            JOMC Miyazaki NHK 1000 1360

JO7AD repeats JOIF 50

JO-- Yonago rpt JOHF 50

JOBQ Shingo NHK 100

JOFT Tsuruga NHK 100

JONQ Komoro " 100

JOQ Miyako " 50 1420

JOTS Hamada " 100 1440
                                                                                      JOQU Miyako NHK
                                                                                                                                    100
 790
                                                                                                  Ikeda "
                                                                                                                                    100
                                                                                      JOXU
  800
                                                                                      JOMU Miyakonoja NHK
                                                                                                                                    100
  920
                                                                                                  Nemura NHK
                                                                                      JOPS
                                                                                                                                    100
1040
                                                                                                                        11
                                                                                      JORP
                                                                                                                                    100
                                                                                                  Yusuhara
                                                                                      JO-- Nakatsugawa "
                                                                                                                                    100
                                                                                                  rpt JOER/1270
                                                                                      J05A
                                                                                                                                  3000
                                                                                                  Uwajima NHK 1000
                                                                                      JOZU
                                                                                      JO--
                                                                                                                       _{
m NHK}
                                                                                                                                    200
                           Nakatonbetsu NHK 50
                                                                                                  Shimbara
            JO--
            JO-- Hiroo NHK 50 1470 JOCC JO-- Sukumo " 50 JOSD JO-- Tamadi " 50 JOJD JO-- Mugi " 50 JOFZ
                                                                                                  Asahikawa NHK 1000
                                                                                                  Saga
                                                                50
50
50
50
                                                                                                                                1000
                          Tamadi " 50 JOJD Tsuroka "
Mugi " 50 JOFZ Tsuruga "
relays JOUR/1220 100 JOQT Kamarshi "
Obihiro NHK 100 1510 JOIZ Sacki "
Uwajima NHK 1000 1540 JONZ "
                                                                                                                                  1000
                                                                                                                                    100
            JO--
                                                                                                                                    100
            JOUE
1060
                                                                                                                                    100
            JOOC
1080
                                                                                                  Komoro
                                                                                                                                    100
                                                                                      JONZ
                           Uwajima NHK
                                                            1000
            JOZY
                          Saeki NHK
                                                                                                  Yawatahama "
                          Saeki NHK 100 JOZI Yawatahama 100 Nakatsugawa NHK 100 JO-- Nakashibetsu NHK 100
1160
            JOIS
We will conclude this list in the May DX NEWS, and bid you best 73s.
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