



DX News

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HEADQUARTERS PAGE: John A. Callarman, P.O. Box 99, Cambridge, Mass. 02138

RENEWALS ...

Bill Nittler Robert S. Duggan Jr. Patrick Flanagan*

CORRESPONDENCE ...

from HQ has been at a minimum. Job, publishing, NRC Log-typing, Convention, and preparations for the forthcoming marriage have taken all the time available to Ye Pub. I regret that anyone expecting replies from me is to be disappointed, but conditions being as they are, there simply is no time.

NOTES FROM MEMBERS ...

Jerry Starr, chairman of the ANARC BCD Verification Committee sends verifax copies of some of the first CSL's that committee is providing for hesitant verifiers. "These designs should be going to the printers in June," says Jerry. "Progress is slow but sure. Station reaction has been surprisingly good and a few of the hard-core non-verifiers seem most receptive to our proposals." Jerry also sends a couple of sample pages from the new source for "By-frequency" maps. Unfortunately, I have misplaced Jerry's initial information on the service which I'll print when I find it (probably after Janice and I move into our new apartment since it's undoubtedly packed) but Jerry, at WHOT Radio, Youngstown, Ohio 44505, has further information on how to get hold of them, for around \$80.00.

Ernie Weselowski, ANARC convention chairman, working on the programs for the convention, is advised that our machine at Headquarters is an A.B. Dick 416. The stencil in use here is an A.B. Dick 1260. This in reference to the arrangements Ernie is making for us to provide programs. The Convention, by the way, will be held at the Commodore Motor Inn at 24th & Dodge Streets in Omaha, Nebraskaland. The third convention for the ANARC is hosted by Ernie at 1416 Pasadena Ave., Omaha 68107-11. The convention will begin with a meeting on Friday evening, August 16th, at 7 p.m. You may arrive early if you wish, to meet your friends, beginning at noon that day. Then on Saturday, there is a special tour being set up, which you will never forget. It's still a secret. Of course, the ANARC Banquet will be Saturday night followed by a special guest speaker on an interesting subject. Another meeting will follow the Sunday luncheon at noon. The 3rd-annual ANARC convention will adjourn that afternoon allowing for flights back home, but you are invited to remain another night for further DX chatter. Rates for the Commodore Motor-Inn are very reasonable and set-up for the DXer in mind. Single room: \$9.50. Twin beds for two at \$13.50, and three DXers in a room for \$15.50. Add 2 1/2% sales tax. There will also be a registration fee, to pick up expenses. Send for more information to Ernie, at above address.

Hank Ward will provide some promotional mailers in the McAllen convention bid, which will be sent out with the 400 bulletins to be mailed later this summer, pointing out the McAllen bid will be for August 23-24-25, instead of the Labor Day weekend. White wing dove season would compete then.

New member Danny Myers of Toledo, Ohio, who recently joined the NRC, introduces himself: "I'm 17, and a senior in high school, and have been DXing since Bill Raczko got me interested last August. I also collect SC's, having a total of 1298, mine being third to Frank Merrill and Frank Williams. I've got a total of 22 veries, with only 343 stations logged.

Fellow Jaycee Bill Nittler came within a few votes of winning the State presidency in Colorado in one of the closest races in years. The narrow loss gives Bill a little more time for DXing, after his return from the national Jaycee Convention this month in Phoenix. Bill, you must not've had a big enough hospitalit. room, hi! Thanks also for the kind words to my card-making venture this month's bliss. (If there is such a thing as the latter.)

Ken Murphy of Glenbrook, Conn., offers to chair the report form and letterhead committee. And if our acceptance and acknowledgement of this offer is too late for you to check with your printer in person, I hope Ken can do so by mail. At any rate, we should have letterheads and report forms available again by the beginning of the fall season.

Several persons have sent Musings for the Headquarters address. Please note, on Page Three, Ernie Cooper's address, to which the musings should go.

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A New NARBA change list for Mexico:

XEIO 560	Aguascalientes, Ags.	1000/250 U1	Delete assignment
580	XEAV Guadalajara, Jal.	10000/1000 U1	Now 5000/1000 U1 Probably date 4/5/68
600	XEMN Monterrey, N.L.	500-D1	In operation since 11/8/67, change of call, x-XEEH
650	XETNT Los Mochis, Sin.	500-D1	In operation since 11/14/67
700	XETN Moreleon, Gto.	250-D1	Expected in operation 3/15/69
760	XEABC Los Reyes, Mex.	5000 U4	Correction of an omission; in oprn sinc 8/18/64
790	XEBI Aguascalientes, Ags.	1000/250 U1	Correction; in operation since 1/18/55
790	XEVA Villahermosa, Tab.	5000/200 U1	Correction of omission; in operation with 2000-D1 since 4/13/60. Increase power and hours
970	XEBJ Cd. Victoria, Tams.	1000/200 U1	Omitted; in operation since 12/1/66
980	XEQO Cosamaloapan, Ver.	5000 U1	New, expected on 3/15/69
1170	XE.. Saltillo, Coah.	1000-D1	Assignment deleted
1240	XERPA Morelia, Mich.	500-D1	In operation since 3/2/68
1260	XEOG Ojinaga, Chih.	1000/150 U1	In operation withthis power since 3/3/68
1310	XEIZ Villa de Guadalupe, N.L.	1000-D1	Oper ting since 11/8/67, ex-XEVG
1340	XEBJ Cd. Victoria, Tams.	1000-250 U1	Assignment deleted, see 970
1340	XE.. Cd. Victoria, Tams.	1000/250 U1	New, expected on 2/16/69
1350	XEZD Cd. Camargo, Tams.	250 U1	On since 11/10/67, not 250-D1
1370	XEHF Nogales, Son.	5000 U1	Temporary operation 1000 U1
1440	XE.. Tlapacoyan, Ver.	250-D1	Expected on 1/10/69
1490	XECJC Cd. Juarez, Chih.	250 U1	Expected on 11/15/68
1510	XENPM Villa Cardel, Ver.	500-D1	Expected on 3/15/69
1510	XEQV San Andres Tuxtla, Ver.	1000-D1	Assignment deleted
XELW 1510	Cd. Guzman, Jal.	500-D1	New, expected on 3/15/69
1530	XEEF Compostela, Nay.	1000-D1	Assignment of call letters, expected on 10/16/68
1530	XESD Silao, Gto.	1000/100 U1	In operation this powers since 3/6/68
1600	XEVW Acambaro, Gto.	500/200 U1	Delete assignment

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P R E P A R E D C A R D S ...

seem to be a topic of discussion recently. To use them or not to use them... lots of discussion going on. Several persons say it's the only way to get a verie from some stations. Others say they would never use them, and further, they shouldn't be used. A proposal to have special club-printed QSL's (prepared) has been hanging fire for some time. Ye Pub plans to vote against this, for several reasons. First, I feel the use of prepared cards indiscriminately (Many DX'ers mail them out on first report) cause station personall who might otherwise verify by letter to wait and verify only by prepared card. If a standard, fill-in-the-blank club form were made available, it would further increase this tendency. Secondly, I believe the prepared card should have some kind of individuality to it. A specially done prepared card such as Hank Ward uses is an attractive addition to a collection, for example. Automated EX, where you fill in the blanks an a report form and fill in the blanks on a prepared card certainly takes some of the individuality out of the hobby. Most of us will find our verification percentage, on first report, without follow-up, runs around 70%, purely from the station's own resources as far as the kind of verification. The normal usage of prepared cards is to send a good report, then a follow-up, and on third (or later) try, send a prepared card. Efforts by Jerry Starr's committee to provide QSL's for some of the tougher stations, and by individual DX'ers to visit reluctant stations and explain the hobby ... or help with their verification problems, I believe is a much more constructive way to solve the problem than to flood the stations with the same style prepared cards. I would not, of course, favor any kind of legislation AGAINST prepared cards, but an occasional hint about over-dependence upon them.

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B E T W E E N N O W ...

and next issue (to be dated July 3rd) you should be receiving full details on the NRC convention. The Boston Convention committee is working on the necessary material, and will provide it for you at no club expense.

EDITOR: ERNEST R. COOPER - 438 EAST 21 STREET - BROOKLYN, NEW YORK - 11236
 DEADLINE: TUESDAY BEFORE PUBLICATION DATE THIRTY LINES LIMIT PER MUSE
 PLEASE DOUBLE SPACE NO FM, TV, SW, or v/s TO BE INCLUDED IN MUSINGS
James E. Critchett - 1504 Glenwood Drive - San Diego, California - 92103

Here is some more of Critchett's boasting; I just hope some of it helps other DXers. From 4/10 to 5/20 reception reports have been sent to KTUF-1580 ex-KYNF, Tempe, Ariz. heard on BS from ~~5:55-7:00 AM Sat. 4/20~~ 3-8:15am EST Wed. 4/17; KSWs-1020, Roswell, NM from 7:55 s/on to 8:07 Sat. 4/20; to KIKX-580, ex-KTAN, Tucson, Ariz. from 6:38-7 MM /29; KUBC-580 Montrose, Col. from 6:59 s/on to 7:13 MM 4/29; KKAL-1580, Denver City, Tex. from 6:42-7am Tues. 4/30, w/XEDM off temporarily; KPIK-1580, Colorado Spring, from 7am s/on to 7:15 when XEDM came on, 4/30. Veries have been received during that period from KUBC-580, a very attractive black-and-white mountain scenery letterhead; affiliated w/KRAI/KSLV. From KSWs-1020, v/1; from KUPK-1050, written on a CM; & the KPIK-1580 verified on my returned report form. I had some really enjoyable visits w/Dick Northup while he was out here visiting his mother. Sorry he left a week early, because the stations were really coming in, w/the change to DST. Speaking of DST, Arizona, by staying on standard time has the same operating sked for its stations as California; making them harder to hear, but leaving NM, Col. Utah & Texas clear for us that one morning hour. A list of stations heard here between 3/1 to 5/20 w/many s/ons & s/off was sent to JAC yesterday; I hope it is helpful in compiling the new log we all need. I must close & get ready for work. Best wishes to all verie collectors.

Roy H. Miller - Box 851 - Everett, Washington - 98201

Hello NRC! With little DX to report, perhaps a little info on myself & my DX background would not be out of line, so - I joined NRC in 1952; started actively DXing that Summer w/an NC-125; first post-WW2 verie was KTNT-1400 Tacoma, ET midday 6/3/52 before they were on RS. (I had DXed prior to WW2 from Colorado, but no veries nor records from that era; just memories, hi). RXes have ranged from minimum table radios to HQ-180; presently I operate basic RXes of past ten years or so, a surplus USNavy DAK3 & a German Grundig that JAC once used for DXing in Germany - remember, John? I rarely DX in person between 10pm-6am local time as I need the sleep & don't wish to disturb others, but I have DXed by tape recorder & time switches for past 15 years or so /gratifying results. A few of prized achievements include: VAC (at least until we start recognizing Antartica!); VAS (50 & DC); VAP (Canada). I thoroughly believe little value in mere logging of a station; it is still the verification of same that counts, despite all the problems of "automatic" verifiers; reluctant verifiers, indefinite verifiers & such. Some of my most prized veries are from "Anzac" land of stations w/no parallel XRs on SW or ECB who verified most specifically, sometimes w/newspaper clippings on my reception report, sometimes a "first" from NA. By the way, I was a subscriber to RADEX before it folded; bring back memories? One of my Col. veries was KCRJ Jerome, Ariz., anybody been through Jerome in recent years? If you have, you'll understand why I wish I had that verie! I also had a cute v/q from Auburn, NY entitled "Trying to get out on 100w." Any idea what they were talking about? (I have same v/q from WMBO -ERC) Only two new loggings in May, 5/5, KTUF-1580 Tempe, Ariz. ID 8:01am u/KDAY/XEDM. 5/31- CFWB-1490 Campbell River, BC s/off 2:06am for a highly welcome catch as 50th 1490 logging, & the last graveyard channel to reach that total. CFWB logging also cuts to two the number of un-logged stations within 200 miles (CHQB & KACI, both o/150 miles). 1340 seems to have opened up again to a degree on weekday AMs w/KSMK & CBC LPRTs off; KWSL (Col) seems to be dominant AN signal here w/much QRM. As usual at this season I work a bit on the unverified PNW stations (four states, three provinces); unverified in this area total 49 I believe, running from O in Alta. to 12 in Ore. I have current reports out to CFWB KYME KREN KIXI KSND so I hope for progress!

Dave Citron - Apt. 101 - 1450 NE 191 Street - North Miami Beach, Fla. 33162

Hi! Exams next week & I'm sick this week. I read DX NEWS yesterday (five says - good timing). I will undoubtedly be DXing more often then & will have more to report beside WGBS-710 WRIZ-1550 etc. I am moving next month to Hollywood, Fla. I'll have new address next issue. Watch for it. I enjoy reading the various arguments for & against different things in Musings. But - this latest controversy re PP/cs - what are they, anyway? New DX: WDHC-1450. Hurricane Season starts Sat. 6/1. (PP/c is a verie card prepared by the DXer himself, & sent to station for signature -ERC)

Bob Shaw - 234 Columbus Street - Elyria, Ohio - 44035

Due to a new sked at work I have not DXed at all lately. Most recent was about a month ago. 4/14- WKRW-1270 ET/TT 12:30am. MM 4/15- WDEN-1500 ET w/rr 1:12am. WKSK-1600 ET/TT superloud, 1:26. WQSN-1450 f/c-TT w/phonetic IDs 1:50-2. KWLA-1530 ET/TT c/KFBK (they're now an MM regular, hi - some DXing there) until WCKY put on OC but I forgot to write down the time - about 2:10, I think. WXLI-1230 ID 2:37, not sure $\psi/4$ what they were using because there was one ET/mx & two TTs on the channel at the time, none of which broke for the ID - maybe they were using OC. KLAJ-1600 c/w u/WWRL, @ 2:43. KKHI-1550 during s/off announcements 2:59, heavy KXEL slop (and I do mean SLOP! ERC, you are a c/w fan, & I kinda like the stuff myself - but do you like that stuff KXEL plays AN? (Can't rightly tell here, Bob, due to WPTR -ERC) KICK-1340 3:02am AN KGA-1510 @ 3:46 as I continued my bid to keep the "Last to hear" title. 4/16- WGAP-1400 r/c-TT 12:16-12:22, phonetic IDs. 5/6- WGST9920 10:31pm as local WEOL-930 was off. I didn't investigate but I think this had something to do w/the fact that earlier in the evening they had been messing up CKLW (130k away!) Shock of the year: Coming home from work & seeing an envelope saying WRYT. Headling on the v/1 says they were written over a year ago - what gives? Well, I'm not complaining too loudly, I guess. 73. (How about me, Bob - I didn't get mine at all yet -ERC)

Stewart Drake - 2108 South Simpson Street - Philadelphia, Pennsylvania - 19142
I have been remiss in the past few weeks & not sending in a Musings. Mainly this was due to the fact that DXing was at a real low point as I did finally get my HRC 60 in. to the shop for \$45 worth of doctoring up. And I got up on the roof & reset & rewound my loop. In April I heard three new catches. 4/2- WNEV-910 w/f/c @ 12:11am. On 4/8 I heard WDEN-1500 Tting 12:23, then WXCO-1230 r/c " 1:07-1:25. In May so far only two new catches heard w/WAKX-970 r/c " 12:45-1 on 5/18, & on 5/20, WCVU-1350 for call change of ex-WAVY. This was on RS @ 12:57am. I did note WFSP-1560 f/cing on 5/19 so I took copy to see if I could get a QSL out of the CE. My RS report was ignored down there. Only one QSL in on 4/16 from WFLW-1360. Totals here read 2,400/2,260. We hope that on Friday of this week, 5/24, my Mother will leave the hospital after a better than six-month stay. She is now up walking very well & all complications seem to have cleared up. As for son Bob, he is now at Fort Dix, NJ, promoted to Corporal & is acting sergeant, in drill training. So any of you fellows going in & reporting to Fort Dix you might just run across Bob. He still has restricted use of his hands but they are improving as well as can be expected. Bill Stone has been in these Clubs sufficient years to know there always has been, & will be the "BEE" who is constantly busy improving the Clubs, & the "BEE-LITTLE" who delights in finding fault wanting to change things, etc. ~~xxxxxx~~ I can only say, "Don't sweat them." I hope everyone has a real good Summer. Good DX to all & 73.

George C. Greene - 1527 Sunset Avenue - Akron, Ohio - 44301

Hi all. Well, it's time for another of my bi-monthly Musings. I do have a little more DX to mention this time, though. 4/22- New semi-local, WLKR-1510, in Norwalk, O. was logged definitely for the first time on this date. Programming is MoR mx; major directional pattern is towards Akron, which gives it a fairly good signal here. 4/24- KCBS-740 was heard for the first time near the end of the WCAS TEST, WDEN-1500 noted w/rr ET; & of course, the WCAS-740 TEST was logged & reported. 4/26- WAIM-1260 heard easily o/WIXY Cleveland, just after the latter's pattern change at 7pm. Only new verie is WCAS-740, which arrived here a few days after the TEST. I was up in the Toledo/Detroit area during Eastern visiting such NRCers as Bill Raczko, Frank Merrill (& saw Rick Marr & Dale Dawson while there), & Dan Myers. I also saw CHYR/CHIR, WAWR-FM, WMGS & others. I will of course be in Cincy for the get-together, & in BOSTON for the Labor Day Convention. I guess that's about it for now, 73.

Dave Carlson - 516 Hackory Hollow - St. Louis, Missouri - 63122

KIRL-1460 St. Charles, Mo. (5kw. daytimer) was heard w/ETs on the mornings of 5/18-19 beginning " midnight EST. They were formerly KADY but left the air some four years ago. Their ETs consisted or rr, so they might provide some competition to KXOK & KSHE (FM). Not much else to report except on 5/11, KOCY-340 Okla. was heard @ 12:01 end of SSB of s/off, & on MM 5/20- WBTS-1480 Ala. testing w/mx @ 3:23-3:30 & s/off w/SSB. Also on 5/20, I heard an image of XERF on 660 around 3am. One new verie - finally WRYT-950 back w/v/f for the 12/66 DX TEST! Total- 258. As soon as finals are over, maybe I'll hit the dials w/more regularity. ST. LOUIS in 1969 and 73s.

15, 1968

DX NEWS

Bill Campbell - 7503 Elbert - Houston, Texas - 77028

It's been over a year since I even bothered to say hello in ye pages of DX NEWS, so perhaps some of you newer fellers would like to know I use a National NC-125 11 tube RX, w/a very effective loop & Nelson FET Preamp. Let me say I would be willing to pay \$50 for the FET thingie now that I have seen it perform. It raise^s my signals from S-5 to 60 O/S-9, no yoke, on a well-calibrated S meter at six dog biscuits per S unit. Twas the very nicest thing that could happen to have Walter Breville down from Saint Louie to visit us in his 66 Olds Cutlass hurst 3-speed 4-barrel twin exhaust sock-it-to-me red. I thoroughly enjoyed to the utmost his company & hope he enjoyed mine. We spent an afternoon together for a few hours besides the meeting of ye Houston Klan Saturday night 3/16. I have been spending this afternoon bulliding a superduper antenna. It uses the cubical quad design sort of, the UHF helical design sort of, & the BCB loop sort of. A complete report on its performance next time, hey? For those of you who remember the superceiver, well, I finally finished, after a year's hard work, the planning (almost) & have the AF, power, & one RF finished. One final note: If anyone can give me info on frequency synthesizer tuning, drop me a line & I'll pay the postage even - please! 73 & DX from Nashville Cat.

H. W. "Hank" Ward - 9617 Panola Way - Houston, Texas - 77055

August 23-25, 1969 in McAllen, Texas! Won't you vote for a great time on the border? Plan to cast your ballot in Boston, and, if you can't be there, write, wire, or tape your hope that Houston gets the nod for 1969 in McAllen. Incidentally, the Labor Day Weekend is closed to us in the Valley because that is the opening weekend of the famed White Wing Dove hunting season & rooms are tough to come by. If McAllen is your choice, we plan one outing that will be a Texas-size cookout served by the senoritas t senoras de McAllen con musica Mariachi y "Border Buttermilk!" Ever hear an Alaskan from the Rio Grande Valley? Enough "border buttermilk" & you'll swear you heard Murmansk! So, vote for McAllen. We won't guarantee you'll hear Murmansk but you might swear the next morning you did! Viva "Border Buttermilk"! You fellows in Conocoland, watch your mail for Conoco's credit card offer of a Mayfair solid state Cassette tape recorder. At \$49.95 it's a steal. We previewed it at a Houston unit meeting of the IRCA-NRC and all voted it great! DX slow at this location thanks to the static. When dial is relatively quiet the Mexicans & CAs have been coming in well. I finally IDed my "Radio Felicidad" who often dominates 1240 as XES, Tampico. Gives call sign only at s/off. Adios, amigo y mucho felicidad. McAllen in '69!

Gary Peterson - 3705 N.W. 70 Street - Oklahoma City, Oklahoma - 73116

Greetings. Veries: v/q- WNAK-DX KONO WKNX KOZN. v/f: WATM CJNR. v/l- WCAZ KDTH KFIL WVNA KVEG (State #38) WDXN KOYN KBAN KWVO. v/cm: WDOC KECK. v/c- KGYN. KNED sends v/q & v/l. DX: 4/16- WVNA-1590 heard w/r/c-mx @ 1:16am; KBRX-1350 heard @ 1:40 ending r/c-TT; WEAS-900 heard @ 2:04 w/r/c-TT; WDXN-540 heard @ 2:25, ending r/c-TT. 4/29- KWVO-1370 heard well at s/off @ 8:45pm. 5/1- KGHL-790 heard w/s/off @ 1:06am, followed by r/c-TT. 5/5- WKYE-1550 heard @ 5:22am w/SSB s/on; WSEV-930 heard @ 5:43am w/gospel mx; WLUX-1550 heard w/s/on @ 6am. 5/20- WSIZ-1380 noted w/r/c-mx @ 12:06am; KDEN-1340 heard w/Hi Show; KUDI-1450 heard @ 2:03am w/r/c-TT. 5/22- KOZA-1230 (call change from KOSA) heard w/r/c-TT @ 12:10am; WLSM-170 heard w/r/c-TT @ 1:01am. 5/26- KIRL-1460 w/ET/mx @ 2:24am. 5/27- KPND-1340 heard w/r/c-TT @ 12:15am; KLMS-1480 heard @ 12:35am w/r/c-TT; WLDY-1340 heard w/r/c-TT ID @ 12:55am. KGIW-1450 heard @ 1:05am w/r/c-TT. 73 & good DX.

AIC Robert Mark - 2163 Comm Sq. - Box 1419 - APO - NY NY - 09120

Hello to all. I thought it was about time for another Musing, it has been almost a month now. I never really got a chance to introduce myself in my first Musing last time so I will take a few lines now. The age here is 20. My job here in the AirForce is a radar Air Traffic Controller. I have been DXing for about three years. At present my equipment is an Allied 2671 portable & my trusty old Hallicrafters S-38E. I am sort of limited on antenna space & so at present I am using a 15' longwire. Not much DX lately. Only new QSL is AFN-87² Frankfurt " 3pm EST. They sent about half a dozen program skeds w/a very nice v/q. Do we have any members in the United Kingdom? If we do, I'd appreciate it if he would contact me as I have a problem to discuss. Have we no other Air Force NRCers to compete w/the Navy guys? I feel sort of all by myself. To anyone interested I tapespond including British programs, if anyone wants to trade w/some from the States. Gotta get back to work now so 73s until next time.

DX NEWS

Eric Floden - 13 Parkside Crescent - Ottawa 5, Ontario

I trust you've all logged new CHPI-990 in Pond Inlet, NWT; it's the 20w. U-1 replacement for "Inuit Neepingit", the Eskimo pirate that left the air. If you hear 'em (hi) QRA is Box 1, P.I., NWT. It is my understanding (per a phone call to Northern Affairs Minister Laing just prior to parliament's dissolution) that Joop Sanders is the Mgr., Fort Simpson, NWT, has an outlet operating on 1490k, w/25w., but I can't remember the calls just now. They're easier than Swan Island! Veries here are unusual to say the least; to wit: v/f- CKNR-1340/CJNR-730 - neither has been reported, w/ the former not even HEARD here! v/l- KLAQ-1600 for B.C. reception, only 332 days. Many thanks to Larry Godwin, though; 332 is better than no verie, hi. v/l- WTHD-930 Del. & CM, says r/c is third Tues., I heard 'em at about 12:15am EST (when EST was in effect). v/f- WPGC-1580 Md. & CM. And a good 'un- CMBC-690 v/q, it's very attractive. Mr. Johans might be interested in the QRA they give: Infanta 105, Habana, Cuba, Territorio Libre de America, hi! Totals are now 365/90, 39/24, 8/8, 18/14; I "removed" WICU-1330 from my heard log, & am counting WRIE/WICU as one. Upon re-examination of the policy of counting new calls as new stations, which I took for granted since the fateful day I kept a "heard" log, I've decided there's no case for calling it a new station unless other changes (e.g., frequency, DA pattern, KBVU/KFKF) take place; & even then, each case (as such) would depend on its individual merits. What do other members (or even non-members, hi) think about this? I'd be interested to know. Thanks to "The Emsdale Kid" and Fish for info on KGN999 1600k A. Monte says it's at Concord, NH. Have a great Summer!

Bill Stone - R.R. 2 - Claremont, Ontario

I just renewed dues for my 34th NRC Year. Off the record, I think JAC is finding out no cinch to run a DX Club - HQ correspondence stinketh. I haven't gotten up to DX past week hardly at all - storms - lightning - air full of El Statico, & so much work to do - going to bed 8-8:30pm beat. I haven't been able to plant yet - three weeks of on/off rain & no go this long holiday (Victoria Day is 5/20, our 4th of July, yup, May 24th is actual date, but always falls on Monday prior to that date - Federal decree years ago, calling for rain 5/18-20, phooie. Good job & nowt in ground - floated out by now.

Rick Marr - 352 High Point Road - Ellicott City, Maryland - 21043

DX this Spring has been extremely limited in this den due to my heavy workload @ U. of Md. However on 4/18 I drove to Chester, Pa. to visit Dave Schmidt. Dave & I toured WIBG-990 which operates AN. WIBG, which plays rr mx at all times, is 50,000/10,000. We also went through the studio of WHAT-1340, also Philadelphia. WHAT is an NN Soul & R&B station which is 1,000/250. Then on 5/25 NRCer Dale Dawson of Baltimore & another friend, Don Davis of Suitland, Md. journeyed w/me to Chester once again to see Dave. This time NRCer Joe Fela came down from Newark to join us along w/Glenn Jacobs of Philadelphia. We took some time to tour WDAS-1480, another of Phila's NN Soul R&B stations. Indeed, it was certainly great to see all of those NRC members again! Finally, on 5/20 I toured WPIK-730 which serves the nearby Washington DC Metro area from its studios in Alexandria, Va. WPIK is now airing c/w format & is an affiliate of ABC's Entertainment Net. Looking at a CM of this 5,000w daytime station, I noticed the secondary coverage area reaches as far as NE of Philadelphia. Well, w/this past difficult school year finally at an end, DX should definitely pick up in the humid months ahead. At present my plans include working & living during most of the Summer at Ocean City, NJ, a coastal resort town about ten miles S of Atlantic City on the world-famous South Jersey seashore. I'll be working a split-shift which means I'll be able to DX day & night too, alternately from week to week. I'm really looking forward to this new experience because it will be the first time in the 7 1/2 years I've been DX-ing that I've been able to DX seriously anywhere other than home here in Ellicott. After I complete my Summer job at OCNJ in late August, I'm planning to take another trip to S. Cal. where I'll stay until college resumes in mid-Sept. I might also take this time to inform you I'll be permanently moving from Ellicott City when college begins again in Autumn. I do not know my Autumn address as of now, but I'm 100% certain I'll be living in an apartment near college, somewhere much closer to the Washington DC Metro area than I live now. I sincerely hope everyone in the Club has a "cool" Summer, & I'll report again next month with plenty of DX from my Summer residence in Ocean City, NJ. 73 for right now. (Thanks for the pix, Rick! -ERC) **WAITS!**
AS THEY SAY IN JOHNSON CITY, TENN., "Come to Boston (WJCW) **WHERE** a **JOLLY CONVENTION**

June 15, 1968

DX NEWS

Geoff Fox - 6545 Parsons Boulevard - Flushing, New York - 11365

Not much of anything heard here because of the approach of finals but onward & upward anyway. In my last Musing I said I received WEEZ after s/off CBE, make that after s/off of WERY for maintenance. Just heard: WFIF-1500, Milford, Conn, not too far, but after talking to announcer (18-year-old high school student) I found he can't even $\frac{1}{4}$ hear them from his home in Fairfield! QSLs: CBE v/q, WNLC v/q CFOR v/q. Canadians are the world's best QSLers. (They also make great ale, hi -ERC) Never a very long wait. I am presently trying to arrange an NRC TEST from a local station on LI. No calls will be mentioned now but it's 250w. & non-directional but packs some wallop. It's heard clearly in all of NYC & N. NJ & S. Conn. More details soon. I again put in my request for anyone who wishes to exchange tapes of area, regional - any stations. If I can't hear it here I'd like to, so... I can also trade SCs of WABC or WOR-FM or WWRL (ugh, that signal turns my stomach, the hum, the echo, I can't stand it) for any out-of-town SCs. While I'm here thanks to Vin Cavaseno who introduced me to the NRC. Just heard while writing this: WBJP, bootleg, or could it be something else? Never underestimate the power of a bootleg (especially w/a zine-ten foot). I take that back, I know for a fact there is no such thing as a bootleg station. Also men will never be able to fly or go above 50MPH. I'd like to hear from some local NRC members. Phone is 212-591-0434. So until next time, see you either days in the credit dep't of Sears Roebuch or nights at the Voice of the Hofstra Community (WVHC FM-88.7, 320w, antenna 70' below average LI terrain.

Bill Raczk - 3015 East Lincolnshire Boulevard - Toledo, Ohio - 43606

CX have deteriorated, but I'm still getting a few new catches: 5/4- WSHN-1550 f/c 12:24am, WCBY-140 f/c lam, WDUZ-1400 s/off 1:03am, YVMN-940 1:07am. 5/13- TIQ-1200 12:58am, WISL-1480 & WDAS-1480 both AN, WWIN-1400 2:02am. 5/27- WICK-1400 HI 2am. 5/28- WCER-1390 (now 5kw?) 12:18pm. 6/3- KWKY-1150 f/c 12:36am, unkn KTWO-1470 good @ 1:01am s/off w/WMBD & WOHO off. CKLW was also off for an hour at lam. Veries in: (*denotes verie from f/up): WAMS* WHWB* KAMI* KLAJ* WESY* LT8-830 WPGC WRDW* CSB2-1034 Dakar-764 Tirana-1394 WPET* KNOE* WRIC*. ERC, how's your deltiology coming along? (Huh? That word has too many cylinders for me -ERC) Many members have been commenting on PP/c veries, so I guess I'll throw in my 2@ worth. I think PP/cs are countable, & if I had any I would count them! but personally I don't like them because of their poor appearance generally. I have tried v/PPs on a few stations however, but none ever verified (SRS-725 WCLW WLBI OAX4A-854). Looking back on the 1967-68 DX Season, I find that my best catch was ZP14-1020, & best verie was LT10-1020. Anyone know how to get veries out of ZP14 OAX4A SRS or St. Lucia? Recently I received a "KTCG-1610" verie, postmarked in Arkansas. Didn't someone get something like this last year? I notified the FCC's Detroit office about it, & they're investigating. But now after reading the latest DX NEWS, I see that Frank Merrill is behind it! Better talk to the FCC about it, Frank - hi! Does anyone know if an Ameco Navistor preamp (for SW & ham bands) can be converted to ECB use? No chance of my being at the ANARC or IRCA Conventions this year, but I'm almost certain I'll be in Beantown. Anyone hear about the Canadian DXer who claims Radio Havana is transmitting from the Yucutan peninsula? 73, & BOSTON in '68! (Bill, I certainly would have printed your Musing about WTOD's fire - if I had received it - no sign of it here - can you re-submit it? -ERC)

Steven R. Russell - 8914 Mohawk Lane - Bethesda, Maryland - 20034

Fish: Glad to see you finally received your WOKJ-11550 verie as they mailed it to me first! Still wondering who got my verie! This ever happen to anyone else? Why does it always happen to me, hi? Veries: v/l- WBEJ WMIK WPET (18 months) WMUC, U. of Md., KIRL KLAJ (thanks to Larry Godwin) WCAU hi, WIKI WCMF. v/f- WCRV. DX: 5/8- WBEJ-1240 2:45-2:59 r/c, WINT-1270 @ 1:15 ET/mx _ heard almost EVERY AM in May - they must have received a real pile of reports; WMIK-560 r/c-TT 1:30-1:46, WBLC-1360 r/c 1:59-2:12 s/off. 5/20- WMAJ-1450 in @ 1:57 w/NX & WX, KXLR-1150 ET/TT 2:20-2:36am, CKGM-980 @ 2:33 & on w/MOR mx, KIRL-1460 ET/mx (rr oldies) 3am, WCHB-1440 @ 3:56-4:15 in the clear 5/24- WCRV-1580 r/c @ 2:09am. Static level is quite high now, so I think that about does it for this season. Did everybody receive a verie from WYND-1280 TEST of 12/67? Still waiting for mine (as usual), hi. For the record, I'm against the use of PPs!

Richard Peary - 524 34 Avenue - Tuscaloosa, Alabama - 35401

Not much to report, only three stations heard: WFEM-1260 Indianapolis; WAVE-970 Louisville, & WREC-600 Memphis. I hope David got my letter, & I hope the info helps him. Best of 73s & good DX.

Fish - 5039 South Street - Lincoln, Nebraska - 68506

4/30- WJBO-1150 La. s/off w/SSB @ 12:05, also heard an SS. KSAL-1150 Kans. (my day-time & night dominant) s/off midnight w/SSB & OC until 12:07. KDEF-1150 NM in nice @ 12:20 w/mx. CKOC-1150 Ont. in well o/KDEF at times. 5/3- KSTT-1170 Ia. finally caught clear u/KVOO - my loop doesn't bite KVOO too well! KBIL-1140 s/on 6am, a c/w station w/many "good life" SID/ID, "K-Bill". KBIL all day u/KSOC, SD. 5/4- CJOC-1220 Alta. RNG (Random Noise Generator, i.e., rr!) WCEN-1150 in well @ 4:52am SIDs, mx, 1150 loaded w/s/ons @ 5am! WIMA-1150 O. in very good w/NX - R. Lima - 6:25am, followed by Ports of Prayer. CKXL-1140 Alta. in for 15 minutes very well @ 5:50am, mx. 1220 loaded! Few IDs so far @ 6:50am. Boy, this new loop input is really something! No more losing 60% of signal in coupling coils, etc! 5/5- KGKL-960 Tex. s/off 1:27am after ER, KBYP-1580 Tex. solid w/ET beginning @ 3am. KEWI-1440 Kans. say that more & more Union members listen to K-Wee" they "pick it" every time! I have much much radio gear I have no need for although the space it takes for storage there - of I do need - send for list of RXes, headphones, etc. SASE, please. Thanks. 5/6- CFQC-600 Sask. in w/nice set of IDs @ 7am or so - lotsa light QRN this MM. FCR SALE: Road Atlases for USA, Canada, Mexico w/all towns having AM stations neatly circled in red ink, \$2.25 each. I have three. Also lotsa (brand new) USA, World & NA large multicolored wall-type maps, \$1 each. 5/9- A report on regulars WOI/WNAD-640. WOI off @ 8:30, on @ 6, & WNAD off @ 8:31 w/SSB. No SSB for WOI, just announcement of off. WOI always plays cl during last hour or so - modulation is always like enough to allow WNAD through much of the time. They are interested in tapes from NRCer: 3 3/4" at two tracks here - quick replies. Best of DX & I'll show again. I am now an ex-map-collector.

David Kulka - 160 Tioga Lane - Greenbrae, California - 94904

Wow! My hair almost turned white when I saw ERC noted that "No name, No address" business at the top of my 5/25 Muse. Watch that! I have done no DXing lately due to a RX that needs aligning. A friend & I started aligning some little five-tube RXes for friends & got cockey & started fooling around w/my old Philco - that was a mistake, hi. I am going to endeavor to get that letter out to BG magazine this Summer, I hope to meet some NRCers & visit KSON-1240 my best Calif., & KPPC if possible. I'll be taking an "ARX", my Zenith H-500 Trans-Oceanic. It has a little loop that'll come in handy. I can promise all many skeds from the S. Cal. stations. The only v/l's have been CKBI & CJVI. Be sure to send for the free booklet, "Forty Wondrous Years of Radio" published by CKUA-580. It is free & includes some very interesting incidents from CKUA's colorful history. Write for the booklet to CKUA, Alberta Block, Edmonton, Alta. I did get a v/l from WKDO (ex-WPHN) after a call to GM & a long letter. He said he may try DXing! Any GMs in the NRC? Not much more to say but this; no member has a right to complain about missing a TEST or something because he missed a DX NEWS. When you pay the ten bucks, you are paying for surface mail. That means by TRAIN, boys. Just be thankful you get some in a few days by airmail & save 4@. I'm sure the NRC could start sending out DX NEWSes via Air mail if enough rich members request it. I got it off my chest for now - C U N 21, I hope.

Sheldon Miller - 840 80 Street - Miami Beach, Florida - 33141

Some new DX here, but mostly LAs & unIDs. I was in NYC last week on business, but was unable to get in touch with anyone from NRC. I'll try again in August. v/l: WIXE-1190 Monroe, NC, began RS on 5/1. They're an rr station. Locally, WGMA-1320 has switched to c/w mx. They're not operating fulltime yet, but they'll be the only S. Fla. fulltimer w/c/w. Radio Americas-1157 has indeed quit broadcasting! The last day of transmission was 5/15, but the jammers are still there. I guess the jamming will now switch to 1140 or 1180. WMIE-1140 is changing calls to WQBA. "QBA" sounds, in SS much like the name of a certain country just S of here, so apparently no format change is planned. In White Plains, NY, I noticed two NN-oriented stations on 1600, one WWRL & who might the other have been? This was in the daytime, WLNG? I have been noting a SS pop mx station AN MM on 730k, which I think is CB73, Chile. Also, Dominican stations on 1380 & 1290, unID. HIJP is definitely now on 1010 from 1020, & not doing as well there. WSRF-1580 now plays mostly Top-40 in the daytime, w/HL show AN. Not much else to report. CX here are typical Summer CX, which for Florida is pretty poor, even worse than what you guys Up North are used to. I might be a permanent NY resident next year! 73

AS THEY SAY IN IONIA, MICHIGAN, "WION." "Welcome Is Out to NRCers - in BOSTON '68!

June 15, 1968

D X N E W S

9

Glen Hauser - 303 Ash NE - Box #435 O Albuquerque, New Mexico - 87106

This should be my last Musing from Albuquerque. By the time you read this I should be back at my "permanent home address" of 1312 West Oak, Enid OK 73701, trying to cope w/more or less imminent military service. Judging from my personal correspondence, there is a large amount of interest in New Mexico BCB station news, so I pass along what I can find out. Frank Quinn is trying to sell his CP for KPAR-1190 to Paul Britt late of KGCM & KDEF. It's yet to be approved by the FCC. Britt told me they have a studio/XR building & tower up already, & that the red tape of transfer & the installation of equipment should make sometime in August the earliest possible airdate. Britt says he plans to cater to motorists & family-types; and that the call KPAR will probably be retained. Albuquerque is already supersaturated w/radio station for a city of 300,000! KPAR will be the tenth AM station if KARA-1310 comes back on. There are also seven FM station w/another on the way; and another AM (1520) on the way, too. Now, as to KARA: Station went dark after s/off at sunset 17 May due to financial troubles. Is authorized to stay off 30 days but there may be extensions up to a year. Some of its programs ("religious") have been shifted to KBNM (FM). KARA was the only SS competition to KABQ-1350. KARA was all-SS except for morning religious programs & NX @ :55. KABQ, on the other hand, formerly all-SS except for some commercials, is making a pitch for broader listenership w/TV ads in EE extolling "beautiful SS mx" & increasing bilinguils. on its own air. KABQ also has been signing off early some nights; seems to be at sunset on Sundays. It continues to deceive its listeners by IDing as "The 5,000-watt SS Voice of N.M." & "transmitiendo con 5000 watts de potencia" - after sunser when it must, & presumably does, cut back to 500w. New KZIA-1590 seems to be doing nicely; they even enticed one of KOB's newsmen away. KNFT-950 Bayard, down in the SW part of the stare, is aiming for a 1 July target date. Already I've I've heard either a TT or a strong speechless het on 950 some evenings. My own BCB DX has been mainly Mexican drifters & spurs which keep dullness out of Summer. Glad to see people are reading & thinking about my constructive criticism, & I'm willing to take the brick-bats along with the bouquets - but NOT for stuff I've never advocated, such as ridding NRC of "dictatorship" as Wayne Heinen claimin in his 11 May Musing. Until the next, 73.

Martin Blumenthal - 10 Cutler Street - Worcester, Massachusetts - 01604

Let me tell you the story of an RX known as the Hammarhund HQ-145 - PHOOEY! Right now it picks up nothing but vross modulation, harmonics, or whatever you call it from the four local stations all over the dial. A wave trap, which the dealer will soon install, may help somewhat but I think a preselector is needed here. I don't know much about this kind of stuff so if anyone could suggest a remedy I would be most grateful. I still have the S-108 but I haven't done much listening lately. Every $\frac{1}{2}$ time I think of DX I look at the HQ-145 that sits on my desk completely unusable & I start to cry. In the May 11 issue I asked if anyone could provide me w/v/s on some of my outstanding deadbeats. So far no one has written. Can't anybody help me w/these? PLEASE. My grandiose plans to start verifying the 150 or so stations from New England & NY that I can usually hear have been drowned in waves of apathy. I just don't feel like typing up all those report forms. I may have only 198 veries but all but seven of them are from stations more than 200 miles away. I go in for quality not quantity, hi. Verie rate this season so far is 80% - 135 out of 168. Is this good? (Indeed it is, Martin -ERC) How about the rest of you? Veries since last time: WCPC WAAY W100 WHLO WCBW WRNL WVNJ WPNX & WHOT (Thanks, Jerry Starr; I guess it is a great catch!). I plan to see the Hallidrafters S-108 once I get straightened out w/the new RX. If anyone is interested drop me a line. I'm asking \$60. Keep cool & 73s.

Gray Scrimgeour - 227 Hanna Road - Toronto 17, Ontario

I've been reading all that nice DX in the bulletin lately, but haven't had much time to listen. We're moved into our new house in the Leaside area of Toronto, & my DX den is partly set up. Enough to notice a decided drop in TVI here. W/a YNX-750 verie, my countries veried total is up to 39. Although I've not had much time this year for DX, I've been able to keep adding gradually to the totals. I hope I'll get around to more TAs next season, w/a better antenna system(including some outdoor wires Jim Warner & I plan to hang one of these days). I'll be in the Boston area for the 7/6 publication stint - just to see what the BAD guys really do! Mike Northam seems to have survived his visit, so maybe I can, too. Have a good Summer, everyone. 73.

AS THEY SAY IN CHAMBERSBURG, PA., "WCBG." "Wonderful, Cheerful Bad Guys" INVITE YO!8

Hi. DX: 5/19- KCLM-1390 @ 8:04pm. MM 5/20- CFOS-560 was logged easily from 1:31-2:15am s/off w/rr. I think they were on late for a holiday. MM 5/27- WYSL-1400 broke through WROZ 12:42-12:45am w/20-20 NX & ads. WYSL is my best catch on 1400 at a distance of 820 miles. 5/28- KBIZ-1240 @ 6:06am and WERE 51970 on 8/SSS 8pm s/off. MM 6/3 found WMBD off again, I guess for about four weeks in a row, so seemingly permanent. I hope so! XESM was dominating the channel, but did manage to ID WOHO & also heard an unk c/w. WMBD s/on @ 5am. Veries: v/q- WENO & KBOM. v/1- KBIZ (dated on 5/29 for 5/28 report!) WROZ & WYSL (back in a week, believe it or not, hi). v/f in SS from TIOS. On the prepared verie controversy, I personally don't like them, but if someone else does, it's his business. However, I would not be in favor of any effort to get DXers to send them on the first report. DX totals at 1,297 heard & 613 verified. Top states in stations heard are: 1. Texas (123), 2- Mo. (92) 3-Ill. (67), 4-Kans. (54) 5-Tenn. (51), 6-Iowa (47) & 7- Ark. (44). The top states in/veries are: 1- Texas (56) 2-Mo. (39) 3-Ont. & Iowa-(28) 4- Kans./Ill. (25), 5-Cal. (21), & 6- Ohio (20). The best states for answering reports have been Pa. & Mont., w/all 11 Pa. stations reported verified, and all eight Mont. stations reported verified. Make your plans now to attend the ANARC Convention in Omaha this August! Think of the fun of being an ANARCHIST for a weekend, hi! A number of NRC members are planning to attend, s/ why not join us? See you there? 73s & play it cool. EG-WROZ's sked is now 5am-1am seven days, 100% c/w (hooray).

Charles Bell - 34 Garrison Avenue - Leamington, Ontario

Greetings. It's been a few months since I last sent in a report. Last reported DX was for 12/67 but I'll start off w/DX since April. 4/12- WITM-1450 10:30pm during the eclipse; WORG-1580 ET/tx, this on 4/13. 4/20- KCAN-1560 f/c 1:16am; WCUM-1230 1:27, WJEJ-1240 2:00; both of these had Orioles' BB. 4/21- WEPG-910 f/c 2:29am. 4/22- WCAS TEST 3:33am. 4/23- WJSM-1110 6:46pm s/off. 4/24- WSEW-1240 ER 12:15am. 5/6- WDIX-1150 3:57am s/on. 5/8- WCLG-1300 7:30pm s/off. 5/9- WFLW-1360 f/c 2:45am; WROY-1460 7:49pm s/off. 5/13- WAAB-1440 2:47am. 5/17- WKCU-1350 r/c 1:47am. 5/19- WFBS-1450 1:59am. 5/21- WPEC-540 ET/tx 2:30am; WIKI-1410 7:15pm s/off. 5/26- WHON-930 7:35pm. 5/27- KIRL-1460 ET/tx 12:51am; WNOV-860 (ex-WFOX) 8:10pm; WYXI-1390 f/c-TT 11:46-11:53pm. 5/31- WEAU-960 9pm w/Yankees BB. 6/2- KCCR-1240 f/c-TT 12:27am. 6/3- TIQ-1200 12:50-1am s/off in EE (Thanks, Frank Merrill). 6/3- WTMP-1520 (new, Garden City, Ga.) ET/tx 1:12am. 6/4- Looking for Florida stations on for Hurricane I found only WCCF-1580 (um) on. The set conked out @ 2am & is now in shop. 6/5- Using five-tube table radio - WIFB-1450 12:26am at end of Pirates BB; I didn't know I had a new station as I was only listening to see if Drysdale would get his sixth shut out. At 2:30 I got the sad news from California on KYW and didn't feel like DXing any more. Can someone tell me who carries the Orioles' games on 1450? Have a good safe Summer & best DX, & 73.

Ernest R. Cooper - 438 East 21 Street - Brooklyn, New York - 11226

Wow - a verie arrived - after 15 months - YVLF-830, I suspect, due to efforts of Richard Wood - if so, thanks, Richard! 5/23- UnID TTer on 1350 12:11-12:18 & on. Another one likewise on 1300, same time. MM 5/27- Nothing new, but I did hear CHEC-1090 @ S-5 around 1:30am. WMBD-1470 was off; XESM in charge there. A Colombian on 650k, maybe an AN. Evening, WADR-1480 sneaking in u/local WHCM when they had talking on, but not enough for a report. Unverified WRYT-950 heard u/WPEN @ 7:25pm, again, not enough for a report. 5/31- Finally, a log on XEUN-860 w/opera or oratorio 1:25-2:03am, in the clear here. An alternating TT/rr on 1300 o/u WERE 2:11-2:30 & on, w/ no announcements heard. Castro was delivering a speech this AM on many channels. MM 6/3- My 890 SS again to s/off around 1am, still unID. WKYC-1100 was on after 1:05 w/rr, but off later. WJBK-1500 & WLAC-1510 were testing around 1:33am. 1460 was a beehive of activity this AM! I first noted WOKO ETing @ 1:34, nope- WKAM was first, @ 1:22am. Then @ 2:22, WPNX was ETing w/rr, and then, also w/rr, came KIRL, the only new one, fading rapidl S 5-8, logged 2:23-2:43. Also brand-new CJRC-1150 heard in FF @ :38 & on, didn't sound like an ET, but rather like another FF AN show - I hope not! Reports to CJRC & KIRL. Report also sent to semi-local WLIX-540, never known to verify for anyone, to my knowledge. MM 6/10- Another blank AM, an EE on 730 o/u CKAC, unID. TTer on 790 u/WIAR's HI Lady; WKYC seemed to be AN today w/rr, and WCKY 1530 testing much of the AM. Now, it's off to good radio-land, Cape Cod, for two weeks. I hope the WX is better this year than it was last - unless you like foghorns.

June 15, 1968

DX NEWS

Bill Hittler - 4590 South Julian Street - Englewood, Colorado - 80110

The decision on whether to use PP's should rest on the hobby of each individual, and everyone is entitled to his own opinion. Some DXers just get tired of the expense involved in sending report after report to the same station. I have many many such cards in my collection & would still have a void in my verie total because this is the only way these stations would answer. We're not putting words in anyone's mouth. I go to the other extreme, Glenn Hauser, in not keeping a heard total. Collection of veries is done by more people in the hobby than not, I would venture to say. At least most reporting to the Club bulletins indicate so. It's more work & effort to get a verie than it is to put it on tape. Granted, they don't mean a thing but make a good record of reception. I have been DXing since 1950, the first 3½ years out verifying. My interest picked up tremendously when I did start receiving veries. Once again, everyone to his own way of running this hobby. However, let's use our Clubs to benefit the majority of our members. Only reception since last report was KINO-1230 Winslow, Ariz. logged @ 12:30am EST on 5/14. v/1 back immediately. Other veries in past month are KKEP-1470 WSJC-810 KBZB-920 and KIFN-860-TEST. Total now 2,326. I will be in Phoenix for the U.S. Jaycee Convention from 6/15-22 & hope to come back by way of the Grand Canyon. ERC, my HJKC verie came from Emisoras Nuevo Mundo, Departamento Tecnico, Calle 19, No. 8-48, Bogota, D.E. V/s was unreadable, but is a nice v/q. Local KDEN-1340 now running HI NSP. KDKO-1510 off/on w/their AN program; doesn't seem to be much of a pattern as they are on for a couple of nights, & off one, then on again. See you in July! 73.

Dick Truax - 3363 Eisenhower Road - Columbus, Ohio - 43224

Greetings from this DX Den again, nothing spectacular to report but a few new rather short distance domestics keep showing up, adding to the totals slowly but surely. 5/23- WVOC-1500 @ 7:55pm w/c/w, s/off @ 8pm o/WJBK. 5/26- WPUV-1580 Va. @ 7:23pm w/r/r/s/off @ 7:32 w/local WVKO nulled, WCDS-1440 Ky. @ 7:45pm s/off. 5/28- WHYP-1530 Pa/ @ 7:10pm w/ad for c/w show in Erie, then c/w w/WCKY nulled, CHIN-1540 Ont. with what sounded like SS to me, s/off in EE @ 7:30-m - definitely not FF. 5/29- WOAP-1080 Mich. @ 7:23pm w/traffic fatality report, then mx o/WKLO, WJOR-940 Mich. @ 8pm s/off w/SSB, WIDG-940 Mich. also s/off @ 8pm w/SSB u/WJOR. 6/4- WOOD-1300 Mich. @ 7:30pm w/NBC Emphasis. I wonder if anyone else has heard the outlaw on 1610 lately w/uninterrupted c/w? I noted Dave White in Ky. has mentioned it earlier. I got a 25-minute tape on 5/29 from 8:05-8:30-m, has been noted on several nights since. W/my unbalanced loop I get almost exactly same bearing as WAKR-1590, thus ruling out a SW direction. Anyone in Cleveland-Akron area hear this one? It's as strong as WAKR w/professional quality audio. No WCAS verie yet, how about you, ERC? Seems we are the last two! (Not yet either -ERC) It certainly seems strange not to hear that het on 1157 any more since the demise of R. Americas. I plan on being in Cincy 6/15 for the big doings there. Hopefully more to report next issue - C U then.

Ralph M. Johanns - Buffalo, New York

Noted 6/10 WCAZ's r/c-TT on 990 right after CBW's s/off @ 12:15am; WSAO-1550, WC DL-1440, WNCG-910 r/cs also noted (see list). One hour earlier now during EDT. S/off's doing ditto. WDXR-1560, KKHI, etc. 5/27 had WKBW-1520 off, but only an SS Minute Men station noted. v/q's by CFRB-1010, is a colorful new City Hall picture & also has FM & SW on it. A combo-WSAI-1360 & WJBI-FM Jupiter Bg. Inc., glossy v/q from Cincy. a hundred or so have not answered. 6/17, I'll be 69 & have NOT changed my point of view in re PP/cing. To R.E. Wood, Hawaii, I got a 'Lotzburgisch' dictionary (in case that 'L'/YL?). To Dave Kulka, ERC mailed it. 5/25, a v/1 from KLAQ-1600 Kloc Radio, Denver, by CE for 1/29/68 report (no info). W. Plunkett stopped in & will go Mexico-tripping w/Parsons-Whitnough-Rugg. Chuck Rader went to Cincy's doings BC mentioned SOLD stations: WAPO-1150 WTOW-1570 KBBB-1600 WDEC-1290 KWIP-1580 KUOM-1500 (770? -ERC) KMEQ-740 & WTSA-1450. FINED \$200: WFTL Fla. & WSIB NY. New pipples: WDXN-Tenn. got Verne Brooks, M. Don Martin, GM @ WHCU, NY. J.C. Ogle, M @ KSWB (Oré); Al Moore to AM of KDCR Ariz; L.H. Hall, DPR @ WOR, NY; W.E. Hall now VP/M @ CHML-900; Keith Draper of WCFL Ill. has resigned & so has John Daly of VOA. WWHG-1320 in Hornell NY sold to S.W. Hagrish & Co. Local WYSL-1400-AN will move XR six miles away from ,e (Murray) by first week in July, as they want toe 250w. reaching North more. Transferred OKed by FCC: WKMF-1470 WRKT-1300 KOME-1300 KWMT-540 KCUB-1290 WRAC-1460 KFAL-900 WYPR-970 & WPIN-680; these'll have personnel Have a nice Fourth of July JAC, s'long for now.

Chris Lucas - 89 Round Hill Road - Fairfield, Connecticut - 06430

It's been quite some time since last Muse, but now that school is out I have some time for DX & hence a Musing. First, some DX from Troy, NY: 3/31- WKST-1289 New Castle, Pa. @ 6: 4pm. 4/1- WWDC-1260 @ 4:21am, WDEL-1150 @ 5am. 4/15- CHFI-680 Toronto @ 4:02am; WLOF-950 Orlando, Fla. @ 4:24am. 5/26- WFAD-1490 Middlebury, Vt. @ 7:30pm. 5/27- WVIN-1550 Newton, Mass. @ 5:08pm doing quite nicely beside 50kw. WPTR. Also near the end of May I noted college WHVC (Hudson Valley Community College, Troy) on 1594.6 one afternoon, 1589 that evening, & 1600 the next day. They always announced 1600 kc/s., & were stronger than daytime signals of both WTYM-1600 & WBRY-1590, at a distance of about three miles. DX since returning to Fairfield: MM 6/3- WVCB-1410 Charlotte, NC testing @ 22:19am, o/WING here; WKAM-1460 Goshen, Ind. testing w/nx @ 12:28, KIRL-1460 St. Charles, Mo. testing w/old rr, generally u/WKAM, logged @ 12:58am. 6/4- WVIN-1550 o/WEXT @ 7:04pm. 6/6- WHAV-1490 Haverhill, Mass. @ 10:59- in s/off. SM 6/9- WEER-1250 Warrenton, Va. just about alone on this frequency @ 5:01am, WTOP-1570 Towson, Md. generally o/CKIM @ 5:20am. WTOP has NX @ :15 & :45. Also, last week, WTEL Philadelphia was noted w/strong OC on 820k during the day throughout the week, with two IDs per hour. The only Philly stations stronger here is WCAU-1210, & WYV -1060 & WIBG-990 are just a bit weaker. WTEL-820 is stronger than WGY-810 at same distance, but WNYC-830 is stronger than WTEL-820. MM 6/10 ~~was~~ lost to heavy static. Recently I got v/1 & CM from WRKO. After I looked at CM, I'm amazed that I used to be able to receive WRKO at all here in daytime; their 500 mv/m contour goes only as far as Southboro, Mass. in this direction. Since WRKO's pattern change, however, they are much stronger here than they used to be. 73.

Jeff H. Ross - 125-12 Cronston Avenue - Rockaway Park, New York - 11694

Hi fellas. There isn't much in the line of DX this time, but here's some stuff to make ERC happy, hi. 5/4- WKEE-800 W.Va. o/PJB/CKLW @ 7:25pm, but not enough for a report. v/1 in from CHOO WOTT & WEJP-630. Well, I hate to cut it short, but that's the way it goes. C U next month, I hope.

HEARD SINCE LAST ISSUE

680	WRKO	New day pattern	NRC	1350	K T O H	Ex-1490	NRC
800	CHRC	Now 50,000 U-3	FCC	1370	W L T H	Now 1,000 D-1	FCC
820	WTEL	ETing 10kw. days here	NRC	1390	K B E C	New XR site & pattern	FCC
		while on RS on 860			K B L W	ditto	FCC
860	WNOV	Ex-WFOK	NRC		K J P W	New antenna	FCC
900	CHWI	Pond Inlet NWT(20W)	NRC	1400	W R O Z	New XR site	FCC
770	WCAL	New XR site	FCC		K U N O	Now 1,000/250 U-1	FCC
1050	WCMS	Now 5,000 D-3	FCC	1460	W A K S	New XR site	FCC
1060	CJLR	Now 10,000 U-4	FCC		K I R L	Ex-KACY	NRC
1070	QKOK	New night pattern	FCC	1480	W Y R N	Louisburg, N. C.	NRC
1110	KPOP	Roseville, Cal.	FCC	1500	W J B K	Now 50,000/5,000 U-4	NRC
1140	WITA	Now 10,000 U-3	FCC	1510	W L K R	Norwalk, Ohio	NRC
1150	CJRC	Ottawa, Ontario	NRC	1520	W N M T	Garden City, Ga.	NRC
1230	WTVV	Now 1,000/250 U-1	FCC		W K M G	Newberry, S. C.	NRC
1300	WKDO	Ex-WFNH	NRC	1580	W B B R	Now 1,000 D-1	FCC
1320	WGM A	Now 5,000 U-4 (AN-6)	NRC	1590	K T C H	Wayne, Nebraska	NRC
1340	KENT	Now 1,000/250 U-1	FCC	1390	W C E R	Now 5,000 D-3	NRC
	KVOB	ditto	FCC				

VACATION SUGGESTION

If your vacation travelling brings you in the vicinity of a BCB station, we suggest a brief friendly visit, and a "plug" for DX and DXers, and the NRC in particular. Perhaps you might be able to see some of that station's recent DX reports, and if you should find some of those "horrible examples" we suggest you jot down the names & addresses of those who sent them, so that our Poor Reports Committee (or ANARC's, rather) might contact that young DXer. Friendly in-person contacts with stations which might lie along your route of travel are certainly the best means to win over, or keep, that station's Chief Engineer and other personnel, on our side. You might also learn of special PoP tests, f/cs, or other irregular up-coming late broadcasts which would aid many NRCers who might want to log that station. Not only this, but it is very interesting to pay a visit to a radio station. Most of them are very happy to welcome visitors, as well. So why not "lobby for your hobby" in person, whenever the opportunity presents itself? You'll be glad you did - and so will we!

Please note: The above new address will be effective July 1 for all correspondence and contributions. Contributions need not be separated by category, but please include the frequency, call, state, date and time in EST of each item. Deadline is Thursday mail before publication. DX printed will be limited to s/ons, s/off, ETs, AN & F/c changes, schedules, new stations; plus any and all graveyard, pirate & college stations and other unusual DX. Please refer to the NRC Condition of Frequencies and Frequency Check Lists, and to recent DDXDs, before reporting.

- A After hours: Midnight to sunrise DX
- 910 WNCG-SC r/TT/c(5/21):0325-0342½/off:lhr/earlier(EST) (Ralphie)
- 940 WINZ-Fla TT and OC 0245-0315 6/2. (Walter Rogers, Hialeah, Fla)
- 990 WCAZ-Ill r/TT/c(2nd MM):lhr/earlier;hrd:5/13 & 6/10:right after
CBW s/off:0014-0030/off (Ralph Johanns, Buffalo, NY)
- 1070 WPLI-Tenn Noted AN w/rr on 6/3. (Jerry Starr, Youngstown, Ohio)
- 1090 CHEC-Alta Heard s/off 0207 on 5/27. (Starr, Ohio)
- 1150 WDEL-Del S/off 0008 5/27 w/SSB. (Rogers, Fla)
- 1220 WCLB-Ga R/c w/MoR mx 0115-0129 6/5. (Starr, Ohio)
- 1250 KALC-Ark Had a test 6/9 0100-0115 w/TT & IDs every 1½ min. (Dave
Carlson, St Louis, Mo)
- *1260 WAME-Fla Off SM 6/2 0230 tune-in, CoF lists says off MM only. ("
- 1290 WPVA-Va doing TT/ET/c 5/26(SM) hrd:0125-0209, thru:KOIL/WIRL/
AN'rs.. (Johanns, NY)
- 1320 KXLW-Mo Had a brief ET from 0200-0212 on MM 6/10 with several
soul songs & SID. (Carlson, Mo)
- WJAS-Pa Had ET/TT 0250- past 0345 6/10. (Starr, Ohio)
- 1410 WVCB-NC Heard w/TTs and plenty of IDs o/WING on MM 6/3 between
0015 tune in and 0020 tune out. (Chris Lucas, Fairfield
Conn)
- 1420 KTOE-Minn Apparently on late MM 6/10 due to tornado watch; heard
0023-0045 & on. (Carlson, Mo)
- 1440 WJLJ-NY had a M/c:6/3,hrd:0310-0330etc... (Ralphie) Testing w/mx
0300 on 6/3. (Jerry Starr)
- WCDL-Pa r/TT(4th/MM)now lhr/earlier: on 5/27 quit at:0350 (RMJ)
- *1450 WOCN-Fla Off at tune-in 0010 5/27; Xr on and off intermittently;
CoF List says NSP for this one. (Rogers, Fla)
- KOKO-Mo In o/everything at 0000-0001 6/10 ending Nx/Sports and
into s/off, I think. (Carlson, Mo)
- 1460 WKAM-Ind Testing w/mx, especially "Loving You Has Made Me Bananas
between 0028 tune in and 0045 tune out 6/3. (Lucas)
- KIRL-Mo Testing again 5/27 & 6/3 at 0100; and 0200 6/5 w/all ol-
dies. Verie back, says not yet RS but has been testing
frequently. RS should begin within the next several weel
5000w daytime, replaces the deleted KADY. (Starr, Ohio)
- Heard ET w/old rr between 0004-0103 6/3, under WKAM til
0045. (Lucas, Conn)
- WBNS-Ohio Heard ID only, 0036 MM 6/3. Test? (Lucas, Conn)
- 1470 WKMF-Mich S/on w/SSB 0330 on 6/3; WMBD off w/only OC this AM.
(Starr, Ohio) Should be B, sorry. (rk)
- 1480 WCIN-Ohio Was the AN TT here 6/5. From the signal strength, would
assume they were using 5kw daytime power. (Starr, Chi)
- 1490 WDAN-Ill F/c as per list on 6/7 0120-0130. (Carlson, Mo)
- WFKY-Ky Test w/scattered TT MM 6/10 0122-0137, ID at 0130. ("
- unID-Wyo ETer ID 0237 6/5; neither city nor ID fits any Wyo lis-
ted in VJ. Sounds like KQXR, Clarks, Wyo. Help! (Roy
Millar, Marysville, Wash) Why not send a tape here or
to Gordy maybe we can help unravel it. (rk)

(A)

- 1510 unID (*WKBW/AN:Off):5/27 hrd a M/c 0240-0258:gave a K?/ID, while CJRS still RS, then WLAC came TT/OC'g&M/c to 0334 etc. (Johanns, NY)
- *1520 WCSV-Tenn New, Crossville. AN 6/10 repeating the same announcement every 30 sec, saying their RS would begin later than planned, probably 6/12. Delay due to phone line problems. (Starr, Ohio)
- 1550 WSAO-Miss r/M/c(4th/FRI):1hr/earlier:5/24 0100-0115 (Ralphie)
- 1560 WBOL-Tenn R/c w/much mx 0130-0145 6/5. (Starr, Ohio)
- 1570 KVRA-SD This new station w/500w heard w/TT and many IDs, sounded like f/o; 0230-0246 6/10. (Starr, Ohio)
- 1580 WSRF-Fla AN with "ABBY-Hurricane-info":6/4 (Johanns, NY)
- *1608-1610 An Ohio pirate here is in Madeira, a NE suburb of Cincinnati & is running a considerable amount of power. (Starr)
- B Sunrise s/ons, daytime DX
- * 640 WYBC-Conn This is Yale's AM outlet, heard here in Fairfield (20.5 miles away, all solid ground.) Weak here, but IDable. Noted 1026 6/11. (Chris Lucas, Conn)
- * 820 WTEL-Pa Each day from 6/4 through 6/8 noted strong OC from this stn, with 2 IDs per hour, Generally 0900-1700. Is this a recent CP? (Lucas, Conn) Not that I know of. (nk)
- 960 WELI/CKWS AN'r:WBRC-Ala cut by SSB & WELI s/on:0416 $\frac{1}{2}$, who got cut by pre-s/on/ CKWS-Ont til:0429 group/sings CAN/Anthm & RS s/on(hrd:6/8) (Ralphie)
- 980 unID Who is u/WTRY-NY SM around 0540? WILK-Pa s/on at 0545 before could ID; I was hoping for needed WCAP, this on 6/9. (Lucas, Conn)
- 1250 WEER-Va All alone SM 6/9 at 0500 s/on. (Lucas, Conn)
- 1510 WMEX-Mass 0401 SSB & s/on 5/27.- (Johanns, NY)
- 1570 WBUZ-NY wk/s/on:SSB at:0459(250w/D) (Ralphie)

C

Sunset s/off, DX until midnight

- 990 WFAB-Fla S/off w/SSB 2302 5/26. (Rogers, Fla)
- 1140 WMIE-Fla No audio, but open carrier 2310 5/26; carrier still on at 2325. (Rogers, Fla)
- 1220 WCAH-Fla C&W mx for test, no ID, 2300-2312 6/2. (Rogers)
- 1230 WMNB-Mass S/off Sun night ("MM") 6/2 at 2358. (Lucas, Conn)
- 1260 WAME-Fla Hrd test 2320 5/26: Xr on, ID, xr off. 15 sec. (Rogers)
- 1350 WNLK-Conn Normal s/off 2100, exc around 1800 Sun. However, they carry Mets BB and sometimes stays on past 0000. (Lucas)
- 1490 WHAV-Mass S/off weekdays at 2259. (Lucas, Conn)

D

Schedules

- 1240 WSEW-Pa Per verie, schedule is AN exc silent Sat 2300-Sun 0600 & Sun 2300-Mon 0500. (Joe Brauner, Punxsatawney, Pa)
- 1320 WGMA-Fla Announces "24-hr C&W mx", NSP so far. (Rogers, Fla)
- 1450 WNAB-Conn Is AN-6, off SM, 2300-0430. (Lucas, Conn)

"LETTER, etc, rcd this 6/11, from DICK COOPER.." PFC. Joseph A. Cooper,
US52856385.

Co.A, 793rd MP Bn.
APO:New York, N.Y.-09177-

Jose is in ANSBACH, Ger'y; got drafted in OCT/67 & had to leave WEEP.-
DROP HIM A CARD!..(RMJ)" Your editor seconds Ralphie's motion, of
course. Joe, as you know, is former Publisher Dick Cooper's son; Ralphie
adds that there is rumbling from both him and Dick about attendance
at BOSTON '68...let's hope so.

73, sandy

* * * * *

CONTRIBUTORS: Deadline for mail reports is Tuesday AM; for phone reports, Tuesday PM. Please submit all information in standard IDXD format, in EST, and with standard NRC abbreviations - preferably on standard-sized 8½" x 11" paper, one side only! Please qualify all tentative or assumed receptions as such in order to reduce errors; check past editions of IDXD before asking for help with unidentifieds. Thank you.

DX conditions here in the Northeast are now totally summer-like: a few of the AN TA's around 2200, lots of South and Central America, and plenty of static. We can now confirm our earlier impressions: for the first time in 5 years, there was no definite South African reception this spring. The outlook for the long-distance Summer East Africans is likewise pretty grim; Angola's scheduled new 100 kw transmitters on 1088 and 1367 just might make it a few July and August evenings, but there probably won't be anything hrd from Mozambique-737, etc. In Florida, Sheldon Miller reports, "CX are real poor now, with rain almost every day for the last 2 weeks, and lightening all over the place at night." In Jamaica, Mike Silvera agrees, "Cx are poor." In Chile, John Hoogerheide complains, "Conditions to put it in the words of a layman - stink. Static, static, and more static. Practically no U.S. stns - only 6 noted this AM in 2 hours of DX'ing (5/26): WGBS, WOAI, KTOK, WLCY, KSL and - hang onto your hat - KDON! Why a weak Salinas, Calif. stn when cx are as bad as they are I can't explain." THE PREDICTION: this will be a good summer for modifying equipment, writing articles, etc.

*Lord Howe Island, located in the Tasman Sea midway between Australia and New Zealand, now has a MW outlet. It is currently being hrd in New Zealand on 640; according to a QSL from the Supervising Technician of the Civil Aviation Department on the island, the station usually operates with 250 watts; currently it is radiating only 50 watts however. This is a NEW COUNTRY for the NRC country list.

*At a recent press conference, the Czech Minister of the Interior announced that the Czechoslovak government had terminated jamming of all radio transmissions "except for some transmissions from Radio Free Europe which Czechoslovakia does not regard as a radio station"; he also added that a proposal to terminate jamming even of these programs has been submitted to the government. (Ed)

*According to a Polish Press broadcast, preparations are being made for the construction of a 1500 kw central radio broadcasting station in the region of Gostynica; the antenna will be the tallest in Europe (600 meters) and the station is expected to provide coverage of the entire country. No frequency has been announced yet. (Ed)

*Malta. According to a letter recently received by a NASWA member, the BBC's Middle East relay station in Malta has been closed down; the station had operated on 1178 with 10 kw.

*American Samoa. Word has come at press time that WVUV's long awaited 10 kw transmitter is now in operation and being widely heard throughout the Pacific area. Sked as given by NZDXRL is 1230-0415. A good bet on the West Coast!

*Kuwait is getting 3 Marconi transmitters of 750 kw apiece; two will be used in parallel, according to an item in the February Broadcast Engineer. (Sullivan)

*Mike Silvera reports that quite a few Colombians are now running AN; in addition to the usual AN pests, he's also recently noted:

610 HJKL Emisora. Nueva Granada, Bogota

660 HJJM R. Uno, Cali

750 HJDK L.V. de Antioquia, Medellin

770 HJX R. Tequendama, Bogota

950 HJFN L.V. del Cafe, Pereira*

1090 HJBC L.V. de Cucuta, Cucuta*

* indicates CARACOL net in
// with HJED, L.V. de
Rio Cauca, on 820 and with
the R. Reloj chain.

*A new 600 kw stn is being built on the Isle of Man by Philip Solomon, who owned the Radio Caroline pirate radio ship. The stn is expected to be on the air by September and will operate 24 hours a day on MW. (Billboard Magazine)

BROADCASTING IN CHINA - SUPPLEMENT

G.P. Nelson

The character of broadcasting in China continues to reflect the political and social confusion associated with the so-called "Cultural Revolution". As China continues to drift back towards prerevolutionary centralization (but with "Provincial Revolutionary Committees" replacing earlier political structures), the amount of locally-originated programming broadcast by regional stations continues to provide an indication of the mercurial relationship between the central regime in Peking and the local authorities. Since the beginning of the year there has been a slight but apparently significant tendency for the pattern of regional broadcasting to revert to the prerevolutionary mixture of locally originated programming and relays of CJKT programming from Peking.

As of May, 1968, only Foochow, Lhasa, Sian, and Urumchi continued to broadcast CJKT relays exclusively, with no local programming of any sort. This is believed the result of still unresolved political tension in these areas. As reported previously in DX News, many Provincial JKT stations also dropped all local programming in favor of nonstop CJKT relays at the height of the disorders in 1967; local material gradually crept in again as some measure of order was restored in these areas. Not unsurprisingly, expansion of the Chinese broadcasting system has effectively come to a standstill since the beginning of the "Revolution".

For further information concerning the Chinese broadcasting system the reader is referred to MW Broadcasting in China, published in the March-June IDXD in 1967.

Chinese schedule information for Summer-Autumn, 1968, and effective now:

Central JKT, Peking.

*Program I (many frequencies):

1430-1230 (except Tuesday and Saturday)

1430-2330; 0320-1230 (Tuesday and Saturday)

*Program II (many frequencies):

1600-1400 (Sunday)

1600-2245 (except Sunday)

2250-1000 (Tuesday and Saturday)

2250-0100; 0435-1000 (Mon., Wed., Thur., Fri.)

Sample excerpt from Program I schedule:

1845 Quotations from Chairman Mao set to music

1855 Revolutionary Song of the Week

1901 Study of Mao's quotations

1910 Selected passages of works by Chairman Mao

1930 Important Documents and Articles of the Great Proletarian Cultural Revolution

2000 Revolutionary Literature and Arts

Program II is similar but also contains children's programs and dictation speed news in Standard Chinese.

Chengtou Provincial [Szechwan] JKT (1220, et al.):

1440-2000; 2225-0115; 0445-1030

Harbin Provincial [Heilungkiang] JKT (1120V, et al.):

1455-1950; 2255-0025; 0355-0935

Korean: 0356-0455 and 1500-1600

Wuhan Provincial [Hupeh] JKT (770, et al.):

1530-1915 (except Sun.); 1530-2000 (Sun.); 0435-1105

Sample excerpt from Provincial JKT schedule (Chengtou):

0450 Relay of CJKT

0530 "Strike Down Li Ching Chuan and His ilk" program

0605 Mao-quotation song

0610 News and press review

0640 "Revolutionary Committees are Good" program

REGIONAL STATIONS:

Lhasa, Tibetah Regional (590):

Tibetan language: 1915-2015; 0000-0145; 0530-0725 (CJKT FS relay)

Remainder of programming consists of CJKT relays in Standard Chinese; sked unknown.

Urumchi, Sinkiang Regional (850, etc.):

Chinese: 1750-2230; 0625-1115

Uighur: 0630-1130

Kazakh: 0700-0800

Mongolian: 0800-0930

* * * * *

*Latest list of New Zealand stations including changes effective 4/1 per IRCA:

570	2YA	Wellington	100kw	1070	1ZB*	Auckland	10kw
630	2YZ	Napier	20kw	1100	3ZB*	Christchurch	10kw
640	4YW	Dunedin	2kw	1130	2ZM*	Wellington	2kw
660	2YC	Wellington	60kw	1140	1YW	Hamilton	2kw
690	3YA	Christchurch	20kw	1160	3ZC*	Timaru	2kw
720	4YZ	Invercargill	20kw	1180	2YW	Gisborne	2kw
750	3ZA*	Greymouth	2kw	1200	2ZW*	Wanganui	2kw
760	1YA	Auckland	20kw	1220	1ZE*	Whangarei	2kw
780	4YA	Dunedin	20kw	1250	1ZM*	Auckland	2kw
800	2YB	Wellington	20kw	1280	2ZC*	Napier	2kw
820	4ZA*	Invercargill	10kw	1310	1ZH*	Hamilton	2kw
830	1YX	Whangarei	2kw	1340	2ZN*	Nelson	2kw
840	2ZD*	Materton	2kw	1350	1ZC*	Rotorua	2kw
860	1YZ	Rotorua	10kw	1370	2ZP*	New Plymouth	2kw
880	1YC	Auckland	10kw	1390	1ZT	Taupo	0.1kw
900	4YC	Dunedin	10kw	1400	3ZM*	Christchurch	2kw
920	3YZ	Greymouth	10kw	1420	1ZO#	Tokoroa	2kw
940	2ZA*	Palmerston N.	2kw	1430	4XD	Dunedin	2kw
960	3YC	Christchurch	10kw	1440	1ZK*	Whangarei	2kw
970	1ZN*	Whangarei	2kw	1460	3YW	Greymouth	2kw
980	2ZB*	Wellington	20kw	1500	1ZA#	Taupo	2kw
1000	1ZD*	Tauranga	10kw	1520	1ZU#	Taumaruni	1kw
1040	4ZB*	Dunedin	10kw	1540	2ZE*	Blenheim	1kw
1060	2ZG*	Gisborne	2kw	1560	2ZH*	New Plymouth	1kw

* Commercial advertising station

Part-time commercial advertising stations

All stations are operated by the New Zealand Broadcasting Corporation except 4XD-1430 which is a privately owned station.

THE N. R. C. DOMESTIC LOG ...

is growing, the typing up to Pag 16, in the midst of 800 kc. Target date for mailing remains July 1st. There still is time to get schedules, other changes in, because correction fluid can make changes in the sten-cils that are already cut.

NOW, SOME SPACE FOR YOU TO REPORT YOUR FOREIGN DX:

SINGLETON - ELIMINATOR FOREIGN CONTEST STANDINGS

As of May 15, 1968

1. Wood (Hawaii). S: **2RE-1560, **XEAE-1600, **XERF-1570, **XEDM-1580, **4YA-780, **3GI-830, **3ZB-1100, 4QB-910, *4QN-630, JOKB-1600, *JOHR-1290, *Americas-1157, *5AN-890, *1YZ-860, *2GL-820, *JOBF-1200, *4GR-860, *5MV-1590, *JOQR-1130, *XEB-1220, *4BU-1330, 4YC-900, *DYLA-1550, *1YA-760, *4BC-790, *2YZ-630, 2IM-900, DZCH-1599, VOA-1580, JOSF-1330, JOER-1350, 2NC-1230, 2GB-870, 4QD-1550, WXLG-1220, XEW-900, JCGE-1590, 2YC-850, JCCR-560, VUNC-1270, 3LC-770, JOLF-1310, 1YX-830, 3YA-690, YSQZ-1276, 3YW-1460, 3NE-1600, 3TR-1240, 3YZ-920, 3YC-960, 1YD-1250, 1YW-1140, 4ZB-1040, 2ZC-1280, 3YB-1210, 2VM-1530, JOZU-1440, XEWA-540, JOJR-1280, 2BL-740, 2NU-1580, 2KP-680, 2ZW-1200, 4ZA-820, 2WL-1430, 4AK-1220, 3CV-1440, 2SM-1270, WSZD-1450, XEJP-1150, 7HO-860, 1ZE-1220, 2TM-1290, 2UW-1110, 2CA-1050. E: AFNT-1560, Tahiti-1400, 4RK-840, JOAB-690, Thai TV-1146 (3/25), USSR-1475. 1784
2. Reynolds (Calif.). S: *AFNT-1560, **CX-16-850, HCEW2-995, **YSC-1015, *KIMO-850, HJBW-812, *USSR-1475, Tahiti-1400, *HJDA-1260, *JOPB-760, *JOUC-1070, *JORK-990, *JQCB-1190, *HJED-820, *TIRS-975, *JOIG-650, *TIHB-700, 4RK-840, *2BA-810, *9PA-1250, Thai-843, *USSR-1250, *ZYX9-1270, *WMDD-1480, HRVC-1380, RJR-770, YVNA-660, Thai TV-1146 (1/14), YSAX-800, YVJ-670. E: YNX-750, JOQG-850, JOKB-1600, Montserrat-885, PJC2-855, 4QB-910, HCAW2-975, YVQR-910, BBC-1214. 1031
3. Godwin (Colo.). S: *HIPQ-890, *4VEC-890, *HIDV-1200, *HIAM-660, Montserrat-885, *HIOR-880, *Tirana-1214, PJC2-855, HCAW2-975, *HCFA-2-540, JOQG-850, *YSR-730, *HJJM-660, *YVMP-880, BBC-1214, VRH3-890, HJEY-900, YSQJ-905, YVSH-820, TIW-771, HJCC-1010, LT10-1020, YVOP-1100. E: HJBW-812..... 480
4. DeLorenzo (Mass.). S: **VOA-1196, Dakar-764, **HRTV-715, NDR-1586, BBC-647 118
5. Kennedy (Calif.). S: YNX-750, PJB-800, **KFAR-660. E: KIKI-830, KIMO-850. 78
6. Silvera (Jamaica). S: *CB73-730, PRA6-890, DLF-1538 62
7. Conrad (Ky.). S: *PJA5-1435, *Nice-1554. E: Langenberg-1586..... 61
8. Northam (Ore.). S: *JOAB-690, *JOKR-950..... 56
9. Sullivan (Mass.). S: *Tirana-1394. E: HCEW2-995, PJB-800, Senegal-764.... 51
10. Kaskey (Calif.). S: *KSRM-920, *KZOC-1210..... 48
11. Seaver (Calif.). S: YVRQ-910, HJKR-1220..... 32
12. Foxworth (N.J.). S: *PRF4-940..... 28
13. Raczko (O.). S: *HON-1500..... 24
14. Rugg (Quebec). No entries..... 0

DEAD STATIONS (now ineligible): HCEW2-995, YNX-750, HJBW-812, PJB-800, Dakar-764, JOQG-850, JOKB-1600, Montserrat-885, AFNT-1560, Tahiti-1400, 4QB-910, YVRQ-910, PJC2-855, HCAW2-975, 4RK-840, BBC-1214, Langenberg-1586, KIKI-830, KIMO-850, Thai TV-1146, USSR-1475, JOAB-690.

NOTE: Each asterisk (*) indicates that the 10 point BONUS AWARD has been made for each 3 months that the station has remained a Singleton. Where Singleton and Eliminator are both newly awarded for a station, date of reception is also shown.

***Considering that the best DX season is now past, it would appear that the above standings are a fair indication of the final standings. However, there are still possible standing changes below the first three places for those who might wish to improve their lot. Entries are welcome throughout the summer, along with comments, suggestions, etc. about the SE contest.

CONTEST MANAGER: Don Reynolds, 10955 Hollyvale St., Glendora, Calif. 91740.

MONITOR REPORTS...

- The editor calls your attention to definitization of Reunion-665, a slight chance for Angola-1367 later this summer, and more word on the Beromunster-1562.
- **529 Algeria. The stolid Swiss seem to have won the fight for control of this channel; the Algerian is no longer operating on this channel according to SCDX. No word of the new frequency however. (Ed)
- 585 China. Latest schedule for Changchun PJKT, as of mid May: provincial nx 1630-1700 and 0630-0700; CJKT relays 1620-1630, 1700-2320, 2330-0630, 0715-0725, 0730-0945; entertainment pgm 0700-0715. (Ed)
- 600 Brazil. PRH2, R. Farroupilha, Porto Alegre, a surprise w/ID in PP atop mess 1930 5/25. (Hoogerheide, Chile)
- 660 Chile. CB66, Santiago AN again on SM 5/26 w/US pop mx. (Hoogerheide, Chile)
- Cuba. The high power xmitter on this channel now provides perfect daytime local signal in Key West, like 640, 690, 720, et al. (Miller, Fla.)
- New Zealand. 2YC now splatter-free, loud and clear w/BBC relay 5/19 0200. (Wood, Hawaii)
- 665 Reunion. This station is definitely on the air here; the Zedders are hearing it regularly now and have received verifications listing power as 4 kw. They believe the power to be higher however. (NZDXRA, ARDXC)
- **680 Argentina. According to an article on broadcasting in the Argentine magazine Siete Dias Ilustrados, LU12, Rio Gallegos has raised power to 30 kw on this channel to reduce the effects of QRM from the Chileans on the frequency. (Ed)
- 700 Ecuador. HCJB, Quito, hrd at 2243 6/2 with ER; some QRM. (Objio, D.R.)
- 730 Argentina. LU14, Rio Gallegos has a special program in SS and EE for the Falkland Islands at 0600 local time. (SCDX)
- Bolivia. CP27, R. Cruz del Sur, "Luz que senala el camino de la vida" 5/25 w/classical mx 2045-2100, then old dance mx. (Hoogerheide, Chile)
- 740 Venezuela. R. Maracaibo, easy 0015-0102 s/off; some US R&R, SS only in announcements; this one is hrd SM's. (Cooper, N.Y.)
- 750 Venezuela. R. Caracas noted well atop all others w/ads and US pop mx 1910 5/29; not often hrd here in the past. (Miller, Fla.)
- 760 Puerto Rico. WORA Radio hrd s/off on 5/19 at 2315 w/"La Borinquena" and SSB. (Objio, D.R.)
- **770 Colombia. R. Tequendama, Bogota (Todelar); new stn on the air; hrd ID at 0000. (Objio, D.R.)
- 782 Yugoslavia. A number of Slav stns are now carrying German programming between 0500 and 0600; perhaps for tourists. In addition to Zagreb on 782, these pgms are also carried by Ljubljana on 917, Koper on 1169, and Dubrovnik on 1133. (SCDX)
- **820 Colombia/Bolivia/Unid. Re GODWIN'S unid SS reported some time ago and suspected to be a Bolivian: 2 SS stns on the dial 5/26; the most powerful was HJED, the other in SS seemed to be CA and mentioned Panama often. Definitely not Bolivia as CP35 is hrd every AM at 0600 s/on. They are in Aymara and use mx like that of R. Mendez at that time. (Hoogerheide, Chile)
- 830 Argentina. LT8, R. Rosario is AN'er here 5/26 at 0300. (Hoogerheide, Chile)
- 830.5A British Honduras. R. Polize drifted up to here 5/22; hrd 2327 inviting letters, s/off announcement, anthems, off 2331: Dominating WCCO and easily separable; this is probably BRUBAKER'S unid. (Hauser, N.M.)
- 840 Brazil. Only one PP noted here; not the two AN'ers claimed previously. Unid but mentioned Sao Paulo often; this on 5/26. (Hoogerheide, Chile)
- 854 Peru. R. Nacional at listenable level 2240 to past 2310 on 5/21; pgm of pop-type mx, some U.S. hits several months old; female announcer. Tape and report sent for another try at a QSL. New WRTVH lists call as OAX4H; I always thought it eas OAX4A. Typo or change? (Starr, O.) Typo, I believe. (Ed)
- 870 Ecuador. R. Cristal alone on channel on AN sked 0310 5/26. (Hoogerheide, Chile)
- **875A Cuba. This stn is in Eastern Cuba; it cannot be hrd in Key West in the daytime. (Miller, Fla.)
- 890 Colombia. HJCE, L.V. de Bogota, pop mx at 2313; hrd for first time here. (Objio)
- 900 Colombia. HJEZ, L.V. de Cali, now s/off at 0100 w/NA. (Objio, D.R.)
- Cuba. This "R. Liberacion" stn is still operating; noted o/WSWN in Key West. (Miller, Fla.)

- 930 Montserrat. R. Antilles noted very powerful in FF broadcast, 5/29, at 1915; seemed to be community announcements for Guadeloupe and the French half of St. Martin. Signal almost equal to PJB at times, although there was a noticeable het. What power does this use? (Miller, Fla.) The transmitter is a 200 kw unit, Sheldon, but they've seldom operated it at full power previously. (Ed)
Nicaragua. R. Mundial, Managua, w/National Lottery; prizes on Sunday at 2320 5/19. (Objio, D.R.)
- 960 Australia. 4AY, Townsville/Ayr, Qsld. Very good w/ABC nx relay 0600 5/22; later into own pgm. First commercial stn I have hrd carrying ABC nx, although this is probably quite frequent in country districts. (Wood, Hawaii)
- 970.3 Mexico? Strong het 2140 5/29; XEJ, C. Juarez, Chih. believed responsible; ID as "Onda 97" at 2150. (Hauser, N.M.)
- 975 Ecuador. HCAW2, Ondas del Pacifico, Guayaquil, hrd on 6/2 at 2222 ID'ing and pop mx, ER at 2226. (Objio, D.R.)
- 1000 Nicaragua. YNY, Managua. ID 5/19 0305 as "R. Mil, desde Managua, capital de Nicaragua en Centroamerica". Did not realize it was AN (at least SM's) or on this late. (Wood, Hawaii)
- **1002A Mexico. XECC-960 back here from 998 2140 5/18; more recently observed on 999A.

*** (Hauser, N.M.)
- 1020 Tonga. ZCO outstanding in EE 5/19 0100. (Wood, Hawaii)
- 1030 Mexico. XEQR, Mexico City. Mexican mx 0030 5/19. (Wood, Hawaii)
- 1070 Colombia. HJAI, Emisora Atlantico, Barranquilla, very strong now that they've upped power to 10 kw; dominates freq most evenings. (Miller, Fla.)
- 1088 Angola. Will operate w/new 100 kw xmitter in July; // 1367. (SCDX)
- 1090 Colombia. Caracol net stn here at 0315 6/3; assume it was HJBC but no positive ID hrd; low frequency het made copy rough. Was hoping for CX28 but no luck. (Starr, O.)
- 1100 New Zealand. 3ZB, Christchurch. Very good 5/19 by 0030. (Wood, Hawaii)
- 1120 American Samoa. WVUV, Pago Pago. Very good for my 37th country w/full EE ID 5/19 0058. Carries AFRTS relays and plays much Hawaiian mx. (Wood, Hawaii)
- 1150 Venezuela. Ondas del Caribe, Punto Fijo, like a local 4/29 at 1930; many ads for US products noted. (Miller, Fla.)
- 1157 Cuban Jammers. The unmodulated jammers remain here in spite of Americas being off the air for the past three weeks. During my recent visit to Key West, the jammers were noted very strong in the daytime, as well as the jammers on 1140. (Miller, Fla.)
- 1160 Colombia. HJAZ, R. Cordobesa, Monteria. Noted most evenings u/jammer; this stn was on 1060 when last hrd a few years ago. (Miller, Fla.) Emisora Sinu, HJAZ, pop mx at 0330, AN, Monteria. (Change of name from R. Vigia). (Objio, D.R.)
Unid SS. Over and under KSL w/pop SS mx; used a whistled jingle melody between each selection, melody similiar to the R. Mil-1000 jingle. Not enough for ID; any ideas? (Starr, O.) Cordobesa/Sinu/Vigia? (Ed)
- 1178 Sweden. R. Sweden will start a Saturday show for listeners abroad 1815-2000; the DJ is Roger Wallis, style like the "pirates". The program will begin on June 1; we can arrange a special for the NRC next winter. (Ericson, Sweden)
- 1240 North Vietnam. The schedule for R. Hanoi's FF service on this channel is 2315-2330, 0830-0900, and 1130-1200. (Ed)
- 1290 Mexico. XEDA, R. Trece, Mexico. Nx 0100 on 5/19. (Wood, Hawaii)
Dominican Republic. The unid Dominican reported here in 5/25 IDXD must be R. Bonao, H1VM. (Objio, D.R.)
- 1300 Chile. CB130, Santiago, AN at 0400 5/26 as usual. (Hoogerheide, Chile)
- 1337 Honduras. HRHG, R. El Mundo, San Pedro Sula. 5/19 0230 w/ID as "El Mundo" for country #38. (Wood, Hawaii)
- 1340 Cuba. Very strong "Reloj Nacional" outlet noted in the Florida Keys, location unknown but probably Western Cuba. Never hrd this one in Miami. (Miller, Fla.)
- **1367 Angola. A new 100 kw outlet will go into operation in July on this channel

*** according to SCDX; this will be the best bet for Angola in the US I believe. (Ed)
- 1380 Bolivia. CB130, R. Cruz del Sur, Santiago w/nx and ads 5/13 at 1700; woman ID's as "Emisoras Cruz del Sur". (Hoogerheide, Chile)
- 1400 Tahiti. ORTF now a regular, e.g. 5/19 0110 w/FF mx. (Wood, Hawaii)

- 1411A Mexico. XEAS, R. Juventud, Nuevo Laredo, Tams., up to here from 1409A; nicely separable signal; 1 minute fast CST TC's; frequent ID's, ads for Laredo TX, upbeat mx, after 2118 5/28. (Hauser, N.M.)
- 1425 Peru. Certainly a Peruvian here on till 0325 on 5/26; seems to have a regular late weekend schedule. Gives EST TC's but no ID at 0300; plays constant Indian type mx w/much yelling and screaming; very distinctive mx and much livelier than Amerind mx noted on R. Mendez. **This one bears watching if your locals don't bother too much.** Believe location is in Arequipa, but only a guess; will check more. Language is SS, not Indian dialect however. (Hoogerheide, Chile)
- English Bootleg. A "Wonderful Radio Bumble broadcasting to the North of England" has been hrd there announcing future operation on 1425. (SCDX)
- **1430 Dominican Republic. L.V. del Momento, La Vega; this is a change of slogan from R. Monento. (Objio, D.R.)
- 1470 Peru. OBX4E, R. Inca, Lima AN again 5/26. (Hoogerheide, Chile)
- Mexico. XESH, R. Fiesta in well 0230 on 6/3; freq was clear of all domestics except for WMBD OC; easy ID by the "R. Fiesta" jingle which follows each selection; hasn't answered last two reports do didn't bother again. (Starr, O.)
- XEBBC, Tijuana, B.C.N. Requests for San Diego 5/16 0015. (Wood, Hawaii)
- 1467.2 Unid SS. Measured here 0130 to past 0200 on 5/29; pgm of SS mx w/short announcements between selections. Looped into YV-land but weak signal and 1/170 slop made ID difficult. (Starr, O.)
- 1480 New Zealand Pirate. R. Hauraki is now operating MSP except for a silent period 0800-1200. (NZDXRA)
- **1507 Maldiv Islands. A schedule from the stn lists a 7 kw transmitter on this channel; lists s/on time as 0000. (SCDX) Nobody in North America need worry too much about this one, I suggest. (Ed)
- Mexico. XEHI-1470, C. Miguel Aleman, Tams. had powerful distorted spur here 5/23 after 2100; upbeat Latinized mx, CST TC's. ID 2147, s/off announcement 2211, then Cielito Lindo. Listed 250 watts, not audible on 1470. (Hauser, N.M.) Obviously a relay by the Maldiv Islands stn, Glenn. (Ed)
- 1520 Peru. OBX4D, R. Reloj, Lima; AN and very loud 5/26 - but is off MM's. (H'heide)
- 1550 Mexico. XEBG, Tijuana. Local ad's 5/19 0015. (Wood, Hawaii)
- **1562 Switzerland. Beromunster is still on the air; last Saturday until 1900; not as strong as during the first test period. (Ericson, Sweden)
- 1590 Mexico. XEKC, Mexicali, B.C.N. ID 5/16 0030. (Wood, Hawaii)

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V E R I F I C A T I O N S . . .

- 825 COSTA RICA. TIOS, San Jose. SS form v/1, pennant, stamps from R. Titania; 11 days by air. Address is Apt. 512 and v/s is Fernando Lopez F. (Reynolds, Mo.)
- 830 VENEZUELA. YVLT, R. Miranda, Los Teques, Estado Miranda. V/s is Ramon R. Arreaza A. For report of 2/12/67! (Cooper, N.Y.)
- 850 NICARAGUA. R. Continental, YNAV, Managua. Long v/1 from Mariano Valle Peters, Gerente de Ventas. Has Gates 10 kw transmitter; address as in WRTVH. (Starr)
- 880 AUSTRALIA. 4WK, Warwick, Qsld. Cryptic note from W.O. Kinane, Station Manager. (Wood)
- 940 AUSTRALIA. 7ZR, Hobart, Tasmania. ABC card from Hobart, no signer. Transmitter is at Ralphs Bay, southern Tasmania. (Wood)
- 946 ECUADOR. R. Ifesa, Guayaquil. Full page, single spaced EE v/1 from Camilo O. Andrade Grenda, Administrador. Says still using 1 kw, have purchased a used 10 kw xmtr from stn in Florida and plan to have it on the air soon. Very friendly to DX'ers and asks that NRC'ers keep monitoring 945 for the new transmitter and report their receptions. **Verification message very concise.** New Address is Apt. 2020-U. He gives call as HCDA-2. (Starr)
- 1050 AUSTRALIA. 2CA, Canberra. Letter and card from Bruce Lansley, Pgm Director. (Wood, Hawaii)
- 1110 AUSTRALIA. 2UW, Sydney. Card from J.R. Jeffcoot, Manager. (Wood, Hawaii)
- 1475 ASIAN RSEFSR. Card from Moscow, via Australia/New Zealand Service. Frequency is rounded off to 1.47; this is a regular practice with R. Moscow because Russian has no verbal way of expressing the decimal point, and has to speak in terms of "hundredths". (Wood)

1525 CHINA. Personal letter which verifies in a rather backhanded manner and says my tape is being returned soon with songs of the Revolution in EE and CC; evidently Sidney Rittenburg's ouster as head of English section of Radio Peking is all to the good. Also received a package of books - 10 in all, with such intriguing as "On the Counter-Revolutionary Double Dealer Chou Yang" (yah, I got that one too, Stan, but it turned out to be like most cheap paperbacks - a great but a lousy plot; however I was convinced that he was indeed a counter-revolutionary double dealer though. Ed); this for report of 2/21/67 and no follow-up. (Morss, Mass.)

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DX PROFILE: JERRY STARR

Equipment here in Youngstown, Ohio, includes: Hammarlund HQ-180A receiver with a Collins mechanical filter. Dissimilar filter (Japanese) will be added when it arrives to help smooth out passband ripple. The 180A also has been modified with tracking error correction tuning assembly and exalted carrier equipment using a QF-1 multiplier. A R-55A rx is used for standby with a 1650 IF crystal filter modification. It's not a great rx, but OK for standby purposes. Other items include a 4' box loop made of RG-174A, a FET loop booster, a 2' spiral loop and tuning unit, a 320' longwire running NE-SW about 45' above ground and associated tuning unit and traps, a 20' vertical with counterpoise. Frequencies are measured with a BC-221 IM frequency meter, accurate to 0.01% (so they say). All foreign reports include a tape made on my Ampex "cheapie" with Pultec-curve audio filtering, should the audio need touching up. Additional Ampex dubbing facilities are sometimes used at work at WHOT. A "T" notch filter helps prevent me from DX'ing only my color TV set which has sweep harmonics everywhere. Future plans call for a new scope for SAH, outboard IF amplifier with the new filter, and negotiations on a new Hammarlund SP-600-JX (about \$1400... ouch). Plans also include moving to a quieter location, preferably in Youngstown's western suburbs where 5 of the 6 full-time locals all have directional nulls.

As for myself, I'm 28 and a disk jockey at WHOT, Youngstown's Number One station out of the 13 in the marketing area. I do the 11 AM to 3 PM shift Monday through Friday. I've been a DJ for 14 years except for one summer quite a few years ago when I worked for a tower erecting company between radio jobs. I'm married to a lovely gal named Judy who is interested in DX'ing also. Our daughter, Jamie, is seven months old and is already learning how to out-smart her father. We live in Youngstown's Kennedy Park Terrace section which is all residential and consequently full of TV QRM almost 24 hours a day. Aside from that, DX'ing cx here are pretty good.

I began BCB DX'ing in 1954, with a short retirement from the hobby after moving to Youngstown in June of 1964. Since I began again in September 1965, I have accumulated 632 verifications from all 50 states and 37 countries, all continents except for Asia. 40 countries have been reported to but no answer yet from Peru, Argentina, and St. Lucia. Other hobbies include playing cards and stock car racing, both watching and driving, depending upon whether my Ford stocker is running or not. I understand my experience on the oval track will come in handy when I attempt to drive in Boston this summer!

-30-

Klutz Corner. Correct v/s for LR3-950 in 5/25 IDXD to Maximo Koelbe. Correct credit for logging of PRB9-1000 in 4/27 IDXD to read "(Hoogerheide, Chile)". Correct price of TMC receiver on page 2 of 5/11 IDXD to read "\$5000". Also on page 2 of the 5/11 issue, I stand corrected regarding the HQ-160 receiver: while it does have a tunable 455 kc/s Q multiplier, it does not have a true bandspread. The stability and smoothness of tuning are probably sufficient to permit the use of multiple mechanical filters without further modification. If a bandspread for the BCB is desired on the 160, a varactor vernier tuning circuit of the sort described by Ray Moore in this issue can be installed very simply and inexpensively.

MECHANICAL FILTERS: word just in from Japan says that the first order will be airmail this week. After we check the units individually we'll mail them out right away - you should have them within a couple of weeks. Assuming quality control proves satisfactory, we will then place the second order. Please notify if interested.

Safety for DX'ers and Preventative Maintenance

By Jerry Starr, WHOT

You're probably saying "What? Safety for DX'ers?". Well, my friend, right there in your DX den there might be some dangerous gremlins lurking. When improperly used or poorly maintained, electronic equipment can be very dangerous, particularly if you're an "automated" DX'er who DX'es while asleep with unattended equipment. Here is a checklist of do's and don't I have accumulated from a good number of years of working with electronic equipment. Some of it was learned the hard way. Please don't you learn it that way!

RECEIVERS:

- a. Periodically inspect all your receiving equipment. Remove the chassis from the cabinet and check closely for signs of over-heating and frayed or melted wiring. If something looks suspicious and you're not sure about it, have a qualified person evaluate the situation for you.
- b. Clean your receiver's "innards" well; don't let gobs of dust accumulate inside the cabinet - dust can burn. Use a soft bristle brush and vacuum cleaner at least twice a year. Keep it clean!
- c. Ventilation of equipment is most important. Don't shove your equipment into something. Don't pile one piece of equipment on top of another. Tubes and transformers give off great amounts of heat so leave the equipment out in the open where it can breathe; equipment all cramped together just doesn't last as long or operate as efficiently when things start to heat up.
- d. Work carefully. If you are planning to modify or repair your receiver, always unplug it first. Even if it's turned off, you can still get a dangerous jolt if the plug is still in. Be careful of power supply capacitors - even after the set has been turned off and unplugged it may take a few minutes for the charge to "bleed off". If you are doing alignment or some other repair requiring the equipment to be turned on, be careful. The average receiver is likely to have a few hundred volts floating around in it. There are several important rules-of-thumb for working on live equipment. Keep one hand in your pocket - the natural tendency to rest your other hand on the equipment has jolted many a man! Keep all tools on the table, not in your shirt pocket. It's too easy to forget and bend over the equipment, dropping a screwdriver or a pair of pliers into the works. This might produce a short circuit or you might get a nasty shock trying to retrieve the tool. Don't work on equipment if you're tired or sleepy - that's when mistakes happen. The dangers of working on "live" equipment can't be stressed enough; even if one of these shocking experiences doesn't leave you permanently damaged, your equipment may be dashed to the floor and ruined when you instinctively jerk back. And remember, don't even start on a repair job unless you KNOW what you're doing. The Radio Amateur's Handbook provides a good introduction to construction practices.

TAPE RECORDERS:

- a. Don't let the recorder run for long periods of time unattended. I know many DX'ers like to let the recorder run while they sleep and many have a timer wired in for this purpose. I hate to spoil the fun, but this is a dangerous thing to do. I can personally recall three different times I've seen unattended tape machines catch fire because of overheated motors. These were all heavy-duty units, so needless to say, home recorders can be even more prone to overheating. Suppose a bearing goes dry or something in the transport system jams - it does happen you know. Either of these problems will place undue strain on the motor and it can start to smoke in just a few minutes - and where there's smoke there may soon be a fire! If your machine is running when you're not around, be certain that someone checks it frequently.
- b. Lubricate the recorder as recommended by the manufacturer. If a bearing goes dry and becomes scored or gouged, no amount of oiling will fix it. On the other hand, don't over-oil! If the motor should heat up, excess oil could start a fire just that much faster; excess oil can also find its way onto transport belts and wheels. Follow the maintenance schedule in the instruction booklet carefully.

Ventilation is very important for long life in a tape machine. If your recorder has a ventilation fan opening on the bottom or rear, don't cover it up and don't place the machine so that the opening is flush with the tabletop. Just like you, your recorder needs lots of fresh air.

ANTENNAS:

- a. Disconnect all outside antennas when not in use and during nearby electrical storms. Even though an electrical storm might be miles away, static charges and induced voltages can appear in an antenna system and damage receiver components. Even lightning arresters, while they are a good idea, will not always offer sufficient protection to your valuable equipment.
- b. Never suspend your antenna from a power pole. I've seen this done many times. It's not only dangerous but illegal. Keep your antenna well clear of all power lines. Wind storms have been known to blow antennas across near-by powerlines with disastrous results, even though they were a good distance apart. Make sure your antenna is mechanically strong for the same reason.

FUSES:

- a. Check all your equipment for fusing. Many smaller pieces of equipment, especially tape recorders, do not have fuses. If have such a unit, install a fuse or have your serviceman do the job. Alternatively, fused power strips with 8 or 10 power receptacles are available. Fusing all your equipment is quite inexpensive and could well save you the price of new equipment or even a new house should trouble develop.
- b. Don't ignore a blown fuse. Fuses aren't like light bulbs - they don't just "wear out". Whether it's a fuse in the equipment or a house fuse, don't just plug in a new fuse and forget about it - locate the reason for the fuse blowing and repair it.
- c. Intermittent shorts in power supply filter capacitors are a common cause of mysteriously blowing fuses; sometimes the equipment will operate for hours before the replacement fuse blows. If this problem is suspected, look for signs of overheating or charring of resistors in the power supply. Trust your nose - often the smell of overheated resistors or insulation is the first sign that something is wrong somewhere. Be particularly alert for the smell of overheated components after you've turned on an untested piece of gear for the first time; by the same token, equipment which has been unused or stored for a long time should also be treated with special care. Electrolytic power supply capacitors very often go "sour" after prolonged storage.
- d. Always use the proper fuse. Don't replace a fuse with one of higher rating, a penny, paper clip, or such. It's generally better not to use "slo-blo" fuses if it can be helped - your equipment may suffer extensive damage in the few seconds while the fuse is "slo-blo'ing". To defeat the safety factor of a fuse is to invite big trouble!

GROUNDING:

- a. Equipment should be grounded for safety to a common ground - that is to say that all ground wires should terminate at the same point. The most popular and easily available ground is a cold water pipe. Ground clamps are available for this purpose at any electric supply store. Don't try to ground to a hot water pipe or a gas pipe. If your den has an outside window, a better solution is a good grounding rod, also available from the electrical supply store. Be certain to drive the rod deep into ground that will always be damp. For the best ground, if you want to do it well, bury the rod or a large piece of copper screening in a mixture of marble dust and charcoal. Ask your electrical supplier to recommend the proper heavy ground wire.
- b. Keep all ground wires as short as possible and be certain all connections are clean and tight.

Safety and preventative maintenance go hand-in-hand to keep your equipment in good working order and to keep your equipment.... period!

EVT - Electronic Vernier Tuning

By Ray Moore

The semiconductor industry produces a device called the Voltage Variable Capacitor (VVC) or Varactor Diode, which is used in large numbers in commercial and military equipment. There are several areas where they can be used in sophisticated home built receivers and modifications when one is interested in ultimate performance and operating ease. This article will describe one such application where a VVC is actually in use and suggest other applications for the same basic circuit.

The VVC is a variable capacitor that can be used for any of the normal variable capacitor functions such as tuning and trimming; unlike ordinary variable capacitors, however, the VVC is entirely electronic and contains no moving parts. One advantage of the VVC is that it can be physically located anywhere yet it can be tuned from the front panel of the receiver with a potentiometer. Most circuits with which variable capacitors are associated require that the capacitor be located close to the circuit itself and the capacitor must be tunable from the front panel. With mixer and antenna trimmers, main tuning and bandsread gangs, BFO tuning, and Q multiplier tuning all clamoring for front panel space along with the associated circuitry, the receiver designer finds it necessary to compromise the preferable circuit layout in order to meet the desired front panel layout.

I have added Electronic Vernier Tuning (EVT) to my homebuilt receiver using a VVC. The circuit is similar to that used in various ham transceivers to vary the VFO in the receive mode. The EVT control solves two problems which have been annoying:

1. It can be used to "zero" the main tuning dial of the receiver. When one uses a dial with an extreme ratio (e.g., the National PW dial where $1 \text{ kc/s} = 3/8''$) even a small amount of oscillator drift is very distracting.

2. When using Nelson's exalted carrier technique¹ I find it necessary to tune within 50 cps of the carrier. This is difficult even with the PW dial. A 10 turn potentiometer coupled with a 0-1000 counter to control the EVT circuit makes such close tuning a simple operation. (Using the reverse procedure of setting the main tuning control of the receiver and tuning the Q Multiplier is a less desirable procedure because any drifting of the receiver local oscillator will change the position of the carrier in the IF passband).

To install EVT in a receiver you must disconnect the high side of the oscillator trimmer capacitor at point "X" in Figure 2. Point "X" of the EVT circuit (Figure 1) is then connected to point "X" of Figure 1. All the components enclosed in the dashed lines in Figure 1 must be mounted as close to the oscillator coil assembly as possible. The rest of the components can be mounted anywhere. The capacitance of C1 is not critical, anything from 0.1 to 0.01 mfd is okay but it should be good quality mica or mylar. The voltage rating can be anything from 25 volts up. Diode D1 must be selected to have the same capacitance as the original CT in your receiver. The V20 diode which I used has a value of 20 mmfd at 4 volts and can be tuned from 15 mmfd to 35 mmfd as the bias is varied from 1 to 8 volts.

R1, R2, and D2 make up voltage dividers. If a positive voltage source is used the polarity of both D1 and D2 must be reversed. The values shown for the three components should be satisfactory for any voltage source from 50 to 200 volts. An even simpler arrangement (particularly suitable for transistor and car radios) is to eliminate D2 and R2 and connect a 9 volt transistor battery across R1.

R1 can be any value from 50 K ohms to 100 K ohms or more. It should, however, be a good quality potentiometer if smooth tuning action is desired. In my case I used a Bourns 3500S-1-503 ten turn potentiometer with a readout dial that can be read directly to one part in 1000. If you wish to use a standard 270° potentiometer for R1 it is advisable to use a different arrangement for the voltage divider across D2 in order to obtain a good vernier action. The arrangement in Figure 3 is recommended with $R1A+R1B = 2 \times R1$. First it is necessary to determine the voltage needed to bring D1 to the proper capacitance value to track the oscillator. This is done by temporarily connecting R1 as shown in Figure 1 and adjusting it to "zero"

the receiver main tuning dial. Measure the voltage from the arm of R1 connected to ground with a VTVM. Then calculate the values of R1A and R1B which are needed to give this voltage with R1 at the center of its range. This is done as follows:

$$R1B = \frac{E}{5.5 \times 10^{-5}} - \frac{R1}{2}$$

assume voltage (E) found above was 3 volts and R1 = 50 K ohms:

$$R1B = 0.57 \times 10^5 - 25 K = 57 K - 25K = 32 K \quad \text{and}$$

$$R1A = 2R1 - R1B = 100 K - 32 K = 68 K$$

OTHER APPLICATIONS AND NOTES

1. What Q Is Needed? A low Q diode is usually satisfactory when the diode is used to trim an oscillator as described above. The V20 diode which I used is specified to have a minimum Q of 15 at 50 mc/s. Since Q is inversely proportional to frequency, it will have a minimum Q of 750 at 1 mc/s.
2. Remote Tuning of Loop Antennas. The VVC is ideal for remote tuning of a loop antenna. By "remote" we mean several feet - serious technical problems appear in really remote loops such as rooftop installations; these are explained by Nelson in his loop article². The VVC should be used as a trimmer across the regular loop tuning capacitor. A VVC with a capacitance of about 35 mmfd a Q of 25 at 50 mc/s is suggested. See Figure 4 for a recommended circuit for this application. R1 and the battery can be located at any convenient location within a few feet of the loop capacitor. In practice, the loop is rough-tuned to the desired frequency with the variable capacitor and fine tuning is done with R1. This circuit will eliminate the hand capacitance problem that is troublesome with some high Q loops and allow the loop tuning control to be placed in a convenient location.
3. Mixer and Antenna Trimmers. Use the circuit of Figure 1 for these applications. The same considerations apply except that there is little necessity for really fine tuning and use of a ten turn potentiometer would be an unwarranted extra extravagance. The Q of the diode should probably be 25 or more at 50 mc/s.
4. BFO Tuning. Use circuit of Figure 1 and same considerations apply.
5. Q Multiplier Tuning. Use either Figure 1 or Figure 4 depending on whether both sides of the capacitor must be isolated from ground or not. Incidentally, the Heathkit GD-125 Q multiplier has the tuning capacitor connected across only one of the feedback capacitors which is rather undesirable when operating close to the point of oscillation since varying the tuning control will change the feedback ratio and cause the circuit to go into oscillation. The tuning capacitor in the GD-125 can be replaced with a VVC using the circuit of Figure 4 and give smoother operation when used for exalted carrier operation. It should be connected across the whole coil, not between one side of the coil and ground as in the original circuit.

REFERENCES

1. Single Sideband Reception on the Broadcast Band with Mechanical Filters, NRC Bulletin, June, 1967, pp. 16-18.
2. High Precision Direction Finding on the BCB, Part II, NRC Bulletin, February, 1968, pp. 2-3.

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To Osc. Coil

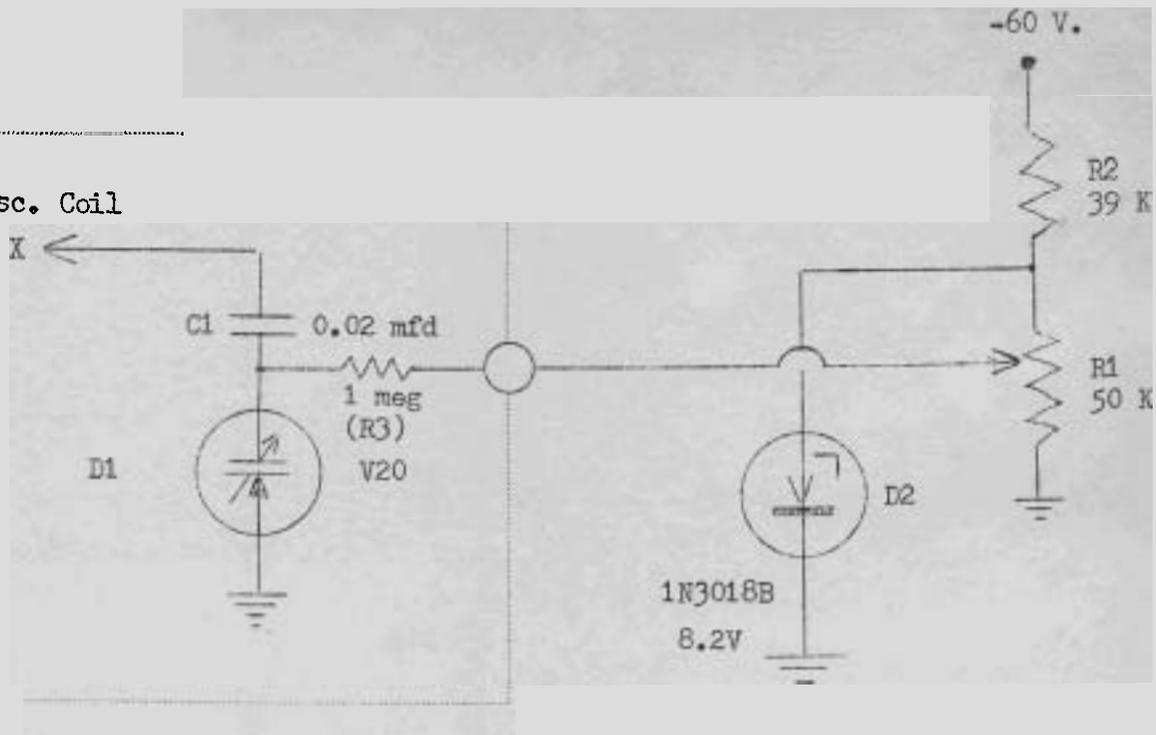


FIGURE 1

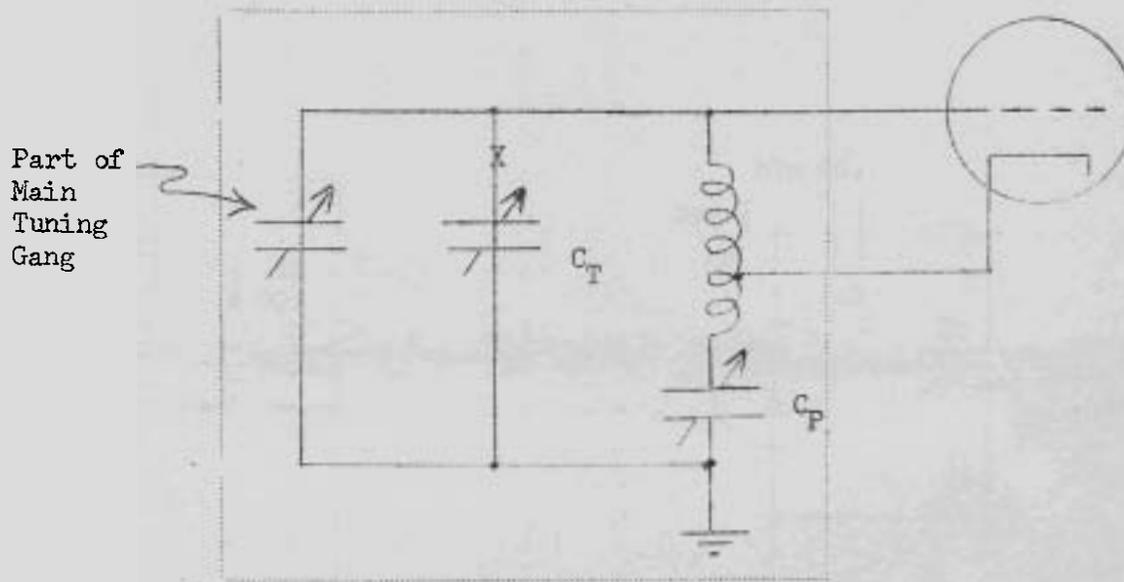


FIGURE 2

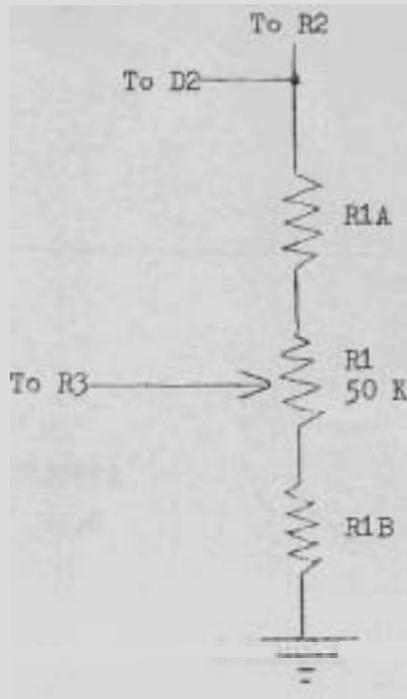


FIGURE 3

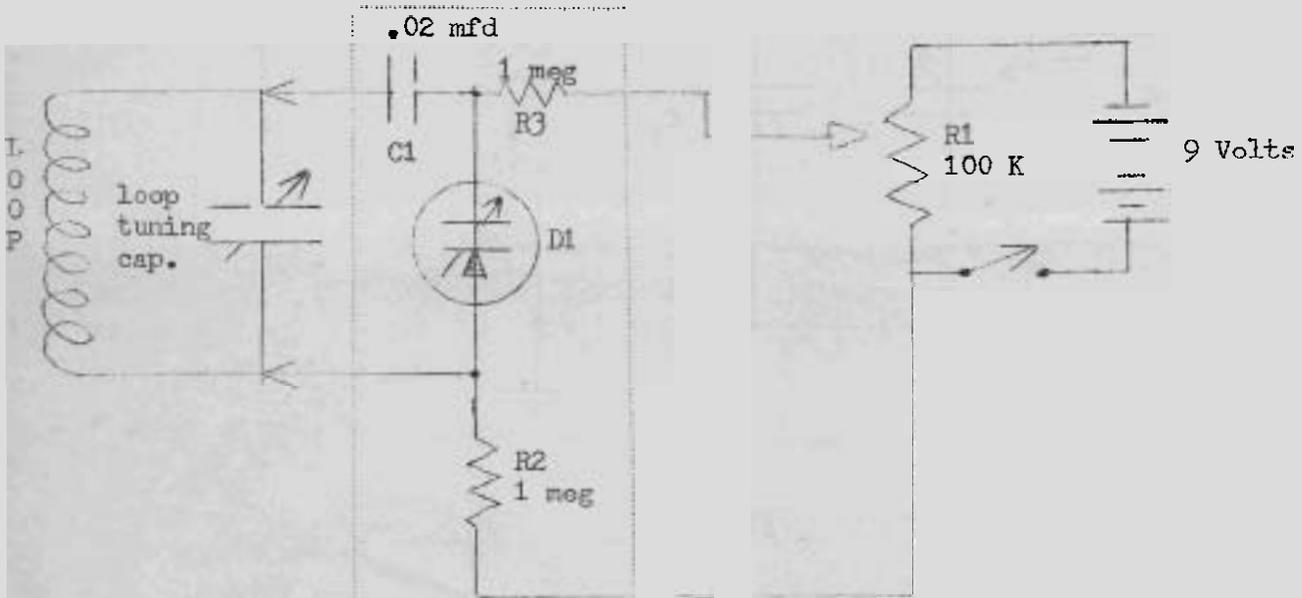


FIGURE 4