

JOHN CALLARMAN, Exec. Secy. P. O. Rox 99

Cambridge, Mass. 02138
ERNEST R. COOPER, Editor
"Musings of the Members" 438 East 21st Street Brooklyn, N. Y. 11226

GORDON NELSON International Editor 19 Irma Avenue Watertown, Mass. 02172

Volume 34 - Number 30 OUR THIRTY-FOURTH SEASON
May 20, 1967

THRE'SAGOTMYN TN THE (WESTERN) SKY
"Thenks to all concerned for making the NRC a goldmine of DX info, even for a West Coaster. ${ }^{\text {H }}$ - Bob Jacoby - 556 East Alvarado Street - pomona, Calir. - 91767
SPECIAIS

EVERY MONDAY CHNO gCO Sudbury, Ontario Mon. June 19 W W U iN 1590 Jackson, Misciscippi

|  | A.M., E.S.T. |  |
| :--- | :--- | :--- |
| 1,000 watts | 2:00-2:30 | AIL. |
| 5,000 | $2: 00-7 ? ? ?$ | NRC |

## HUGEDE IS THE SCHE

Just a reminder of the great 1967 NRC Convention coming up in Eugene, Oregon, September 1-4. The Eugene Convention Committee - as outlined in previcus DX INEWSes - has planned lots of things for visitors, including a bar-b-que, DXing session, deep sea filshing trip, crab feed, and all that radio talk that never seems to get boring. If the Convention Cormittee ever gets into one place at the same time again, we ${ }^{1} 11$ try to draw up an hour-by-hour schedule to show you what ${ }^{\text {is }}$ s coming up. Once dgain, we ask that anyone who knows he is coming to the Convention, please let us know either via the Musings or by writing to me. So far, we have assurances from only about SEVEN people, and that ain't many! Also if anyone wants information on Eugene, Lane Ccunty, or Oregon, let me know, and. I'll forward. the information to the Chember of Commerce to let them flood you with literature. Also, If $\phi$ would like to see again the charter aircraft info from the New York delegation, and get scmething rolling on that.
If you are concerned about the weathor: fast year, In the first four days of September, the temperature ranged from 44 to 94 with an average of 63.7 . IIumiudty averaged $62 \%$ at $10 \mathrm{am}, 39 \%$ @ 4 pm , and $68 \%$ at 10 pm , which is very comiortable.
OREGON OR BUST? -Bart Cromin - Box 5353 - Eugene, Oregon - 97403
BEKNTE CUEFY sends us an article which tells the surprising information that the FCO has exactly THREE (3) persons to investigate something likely, 000 complaints that are received. annually by the FCC. The story says also they work in pairs, so it would seem that only two of the three can operate simultanecusly. It is explained that out of the approximate 14,000 annal complaints from listeners, only "abcut 40 " are actually investigated! So, is it any wonder that the seemingly endless equipment tests without any IDs continue unabated.?

## Hext Issue June 3ra

And, this is two weeks from now. Since Tuesday, May 30 is a Holiday, the deadine will become Monday, May 29th for this issue. Then, the next DX NEWS will follow, two weeks later, dated: June 17th, with a June 33 deadline. The July and August issupa will be dated. July 15 th and August 18 th, which will bring us through the 34 issuea of Volume 34. We hope you will all eupport these Warra-Weather bulletins by senaing in information for all sections. And, to those btill experiencing delivery problems with DX NEWS via third clase mail, how abcut considering subscribing via first class maill? It's a first-class publication (you tell us), so why not go first class all the way? You'll thus assure prompt delivery of your DX NEWS each issue.





















DGER oncre murarms:

The TFCA's mmund Convention is ethetilad for Aug ej-6-27, in Denver:

The INVRC has a pianto getmogethen comstr up on Sat. Jime lith. Detianls later. It is in Ner Jeracy, in the Asbury Park viotition,


 the menbers, "hot' newe on stations heginning to print or ducontifuning surveys and newly "discoverel" survers, a perpetcen tich of the members" enlisotions, pus eaticLes on today's lending rir groups attoct The neme: Niso woth Amertean Survey Tub, Sample bulistins orack ismues ave aballable from Geogge Jinak, 1P20 Forth Villa Rica Avenue - Pesmena, Cal. 93i07.

## FOR TAPEGODEPS ONIE: A TAPWSOWERS CUR:

$\because$ rad Action Doze reginiy as pringotithe jetrott free Press, \& an interesting quetionmanamswer apeared in the $2 / 15$ tolum, Sorcuody asires about how to contact
 (Onty afiress given). \$4 per yezr for " $k$ dinectory of members" nomes from almost draty comitiy in tha wowld - new memors get a preference cheet w/ilo exeas to check."
 Sanse to contact that tapegpondent from Angola or Burman whom you have beon locking for for years: (The abole two articles sent in by Frank Merrill; Milan, Michigan).



1450 WTH U Thimpot, Meryland.
1050 KP P X E Iibety, Tex., fr: KFAZ -PACELTTES

69 K B O S Flegataff, Arigone, $1,000 / 500$ Unit, Move XR NE.

70 CKDA Vontria, British Volumbia, wity be 50,000 U-3.
di60 W J J z Moxt Folly, Wow Jerisey, 5,000 D-3. Mingr pattern changes. (We beILeve thin station is stit stima man) (Han been siace lest summer)
3590 KUDU Vonbuna, Caltfornia, from Vertura/0mara. Move XR SE. (Drcpa sooond. matn abuato in Onaza).
et's teen those Mrangs coming in, lads. Be sure to donde space your reports, and Iso please lint cates 8 times of aiz catches, ait frequencies. of Also, in Zisbing
 me ebout the company;s operations. ABC accupies almost all of the 40 story skyscraper, but their operations are so large that half of it is in their 66th St. Central Park complex. The radio net occupies about six full flapors, \& the rest of it is on 66th along w/the IV networis \& WABC-TV. WABC occupies three full floors w/countless number of studios. The radio net employs abcut 400 engineers, \& WABC has about 75 NXmen, 26 staff announcers, \& about 50 engineers. This, along w/their listening audience of abou't 14 million in the NYC area alone, sf \#l nighttime ratings in many states just abcut places them as the largest station in the nation, that night I heard on WK BW that Stan Robette, Jeff Kaye, Dan Neavreth \& Bud. Ballcu were leaving for NYC in sumpathy w/AFRA so I went beck the next dey to see them, \& they weren't there. You mean this was all an April Fool's joke?

$$
\text { Hal Robie }=273 \text { Scuth Street }=\text { Medfiela Massachusetts - } 02052
$$

on $11 / 1 / 65$ I heard Aleppo, Syria on 746 k . My priginal report wasn answered arter a considerable length of time so $I$ sent a $f / u p$. In due course this resulted in two replies via registered airmail. Both were exactly the same, very vague - \& eaid only thet my report had been received. So I took one of them \& typed the word. TO:, followed by my mame \& address, then I added. "This will verify your reception of our station on a frequency of 746 k to the body of their memecd $\mathrm{v} / \mathrm{f}$ \& left a space for signature. I enclosed a copy of my original report \& a long letter explaining the value of a verie, along $W /$ NRC DX Slip, explaining the hobby. On $5 / 1$, long after, I had. given up hearing \& 18 months after my original reception, I received a new memeod $f / f$ that indorporated my additions including a space for frequency, which had been filled. in as 746 k . I didn't realize I was re-designkng their verie or $I$ would have included. power, date, time, etc, hi. They do include a complete list of stations by frequency however, \& the 746 k outlet is listed, as 100 kw . Perhaps this is an increase as all other sources I have, including FBIS, whow 20 kw . I think this points up the fact that more foreign etations would reply w/specific veries if they were aware of what we wanted (Surface mail on this one, by the way, posted: $3 / 30$ ). Activity here has been nil. An intended report the end of March never got written. I see from my not: s that Cairo was the best of the season on $818 \mathrm{k} .3 / 22$, \& was interested to read. the exact words in Ben Dangerfield's comment of $4 / 8$ in IDXD on 773 k . This frequency was not as good here as 818 k . It's been a long time since Gordon's get-togetbrer' which reminds me how remiss I have been in expressing my appreciation for the oppor tunity of meeting so many I knew only by name in the past. It was a real pleasure. The Admiral sure hosts quite a party! If the pressure of work eases up a little, perhaps there will be more time for DX another season. A pleasant Summer \& 73 toell. PS- DX NEWS arrives here on Saturdeys via third class mail! Perfect for week end or MM DZing.
Relph Vetalaro Jr- - 97 rrer Frankin Street - East Somervilie, Mossachusetts-02145 Hi agoint $D \mathrm{X}$ hasn t beem too great but veries are pouring in: WFM WPON HJIQ (\& two pennents) WDR-1586 WLIH (pp/1) all v/1. Andorra-818 \& Batra-818 sent cards. Andorra ilso returned my tepe. CSA2 sent a nice printed. card. Few reports out, \& where's WCAS? 73 \& remember, BOSTON in 168!. Right now, I'm in a study in schonl so I can ${ }^{\text {t }}$ t exectly remember my DX times \& xeports sent out, hi. 73.
 bathle occura when every DX NEWS arrives at our howee, but at 's only becaus my wite \& I chioy reauing it. She likes the gis ( so do I), so I gucse all yog guys are making everything very finteresting o thenke. The wife's an SNJ tan \& I do have to give her the credit for WFAA-3c0 way luak on $8 / 22 / 60$, the first night I started DXing for veries. I always enjoyed listemins to distant gtatione but didit know about the vertes until lae Leunatd mentioned the hobny on WNEC \& that, whac also had a whole department to teke cexe of DX reports. Vexies ingpixe me to kesp on bisteaing for new stations because when no mail comes I get lazy for a wile Aleo re:lee gire me romething to look back to as I have. v/Ls from WIAC \& UKHR whose cails are now histom


 Ai,so "son't QSI from VOA. I I twlsted my dje? al. the way to the end \& sonething ahout 1530k?? I got a VOA broadcast. Anycie else witness this phenoneman; ERN, I tried your hint on 1400 on $4 / 22$ but I found out my dial wasn't so nalibrated. I got WWe \&o WAV- 1430 both ofomJR ( 00 miles awey). Aryhow I got to $140 n$ a couple days Leter \& all $\bar{I}$ ECt WEE WGAS u/WGCH depending on how $I$ turned the RX (ny GE \#1830-a real whiz for a nine-bronsistor'. Yes, ERC, WNIC is along US H just W of the mames River. I saw it at night w/all the lights blinking ‥ it even outaid WKBW. i dida"t lnow whose erray it was unill I got their $v / q$ which had a $\frac{3}{c}$ àureof the towers. For 54 reports out sinced $2 / 27$ (when I.started sending return postage), I've gotten 30 QSLs. Reports are out to such as XFRF WDXR \& WSME (w/a SAGE). If any of this trio verles, I'll flip. WHOM also has Mets BB in SS, WMAQ has Chiscx. WRKL has funry s/ of $\hat{i}$ too - real noisy. WaDK sent map. Thassebut it. Hasta la vista a Better DX: As they say in Bonaire: PJB - Pittsburgh Just Eeckons for ${ }^{6} 68$.
H. W. "Tank" Werd - 9617 Panola, Way - Hagston, Texas - 77 C 5 Since joining back into the fun of beb ing in mí- Decmber \&rcugh 476,190 stations were reported to. Verie return to date is $66.3 \%$, a considerable impavement over the situation in the late 50 s when I "retured" from DXing BC?. Iccal Mi MNUZ off the air $4 / 29 \mathrm{AM} \& \mathrm{KSLO} \& \mathrm{IRSY}$ added on 1.230 . Activity has slowed considerably w/return of Summer static' however, the CX have spurred activity on that other unmentioneble phase of DX which is seen as vell as heard, hi. Tnterceting to note that the petty bickering continues after a seven-year absence. only some of the namea are changed. If the attitudes are no better when an NRCer visits a station perthaps the by-..laws should be amended to ma, e it verbowen to set foot insjce a station! This hobby needs a great amount of 'missionery' work within its own ronks - in tus relationship w/stations - \& particularly to kilp the neophyte DXer. The socrer the NRC sets i"uself to that task \& knocks off the in-fighting - the sooner the hobby can \& will improve. First step each of us can do is when visiting a siation that has those non-Club member reporta on hana is to ask for them or cony tye names $\&$ send. them to Collarman for sample bulletins to be sent. John con probsbly put together a letter of welcome to join the NRC \& alco enclose a DKcode of ethics. That way, if the person does not join the NRU, he witl at least receive sme gutdelines to imm piove his situation if ke so desires. Well - everyone have a great Sumer \& I hope wadoll get oum WPY \& KMM veries before the snow slies this Fall! 735 .
-GE/SPij Swingiev - B Btry I/78 Arty - 2nd Armd, Div. Fort Hcod, Tex. 76516 Time for one of my very rare lusings. I guess a chould report more often, but being in the Army sort of limites my DXing quite a bit. I just came back from leave abourt a week ego \& needioss to say I had a very wonderful time. The best was I thins, when $I$ was listening to CKLV-800. As for recent DX, it goes like this: 4/A- FYA 1600 (0) 2: 45 pm on PS. $4 / 2$ brought in two new ones for my log book which were KCDA 1030-r/offe e:05pm, then at 11:00 s/off, KRRV-910. 4/4-KBTA-13\%0 © 1:0101:30 f/c. KICK $-1340 @ 1: 30-R \mathrm{~S}$. $4 / 23 \sim$ KAND-1340 3-3:30prn Rs for a report\%. Then at 5 A 55 FS of KCED-1220. 4/26-KCCM-1550 RS @ 5:15-5:45 for a reprrt. 4/27-WRR-1310 © 6:40 RS. At 7:00, KVEI- 300 cane in on RS very nicely. Teries: KCOMm-1550 $\mathrm{F} 30 \mathrm{X}-1480$ WHTs-fio -KWD-1360 KRBC-1470 KRIO-910 KGIW-1450. Weli, my totals have finally gone up a 1ittle as of nov; I have 608/217. They shaild increase quite a bit in about eight
 GUGEN TS TTH SOENE - SEPT. 1-2-3-4, OVER THE LONG LGBOR DAY WEEKEND. EE TIERE/ being spent $W / W O R-F M$. I did come acrose one interesting BCB item, though. On $5 / 7$ © lam EDT, I heerd the VDA in FE on 830 k w/ TThe Breakfact Show." In Sptember 166 , I had heard the VOA on $820-830$; I have not yet seen it listed in any log. I don't know where the transmission was originating from, though the regular mailing addrese Weshington 25, D.C. - was given. I once heard spurs from the 80 m harn band on the AM dial of :ncther radio, but have never heard Shbroadeasts on the BCB of my Hallicraf. ters $5-120$. I've shortened my outdoor antenna, clipping down the last $20^{\prime}$ of wire, which ran parallel to the wooden fence of my backyard, \& about five feet above the ground. Perhaps now my antenna \& RX will be matched better. I eympathize w/those who are getting the bulletins late, although fortunately for me, I get them on Saturdys (I understand they are eing mailed on Frideys). What if Mickey Mantle could厅tay heelthy, \& keep up his torrid hitting? Would. you believe a pennant for NY? (No - ERC) Thd FB Giants next fall play Green Bay, Chicago, Detroit \& Minnesota, among others. That's it, \& 73s.

Greg Moores - 111 Forest Avenue - West Iong Branch, Dew Jersey - 07764 I havent renored to these pages rom some time now, so I decided that was abcut tine to send in a feport. Itm in my new location now, \& I've repaired my loop \& created a new DX den, so. I'm ready to go. Unfortunately, all this comes rather late, as I can hear that Summer static starting to build up. Iatest catches include, on $4 / 30-$ WEAG-1470; Tenn. © 4:55am. 5/6-WGPA-1100, Pa., @ 7:01pm; WIIM-1450, Del. © 8:10pm. 5/7-WISZ-1590 Md. © 3:34am. 3/8-MM-WLVA- F90, Va. @ midnight s/off; WLCB-1310 Me. @ 12:57am; WOOD-1300 Mich. (1) lam; WHEB-1230, Nass., (1) 2am. All times EST, or is DX NEUS on DST now? (No, EST it is -ERC) Mo veries yet, only two reports sent out, to WWRL \& WARM, who never answered my report of 14 months ago. Any day now I will send. out ryy fourth report to WKYC. Anyone who might owe me a letter, please send it here. Don Kaskey, thanks for the info you sent. I almost forgot to say that I heard. KIMII$950 @ 1.45 \mathrm{am}$, little QRM, unn: Also, for the second morning in a row, I heard an HI show on 920 , looping SW \& $\mathrm{u} / \mathrm{CKCY}$, believed to be KARK, Know of eny other HI-ers on 920? (No -ERC) Totals now 624/127. IXIX pIus IV.

I haven Tf done much here, becauce of the anual advent of tatic the IV 7 MX season occurring almost simultaneously, hi. DX since last Musing: 4/30- SRS, WPIK$7305: 37$, KNOK-970 5:40, KLVL-1480 5:55, \& FTNALIY, CHIN-1540 6:30 $/ 10 \mathrm{n}$, all AM, \& all in EST. No $B C B$ veries since CJSP's $v / 1$. as I haven't been repprting (shame on me hi). Re the WFMJ article in 4/22 DX NEWS: I belięve we should send WFMJ-1390 a large quantity of leaflets explaining how to report, also maybe list/ping the major radio clubs (NRC, IRCA, $\operatorname{MNRC,~CDXC)~\& ~how~to~contact~them.~Then~we~could~suggest~to~WFMJ~}$ that whenever they get "poor reports" in the future, that they should NoN verify reception, but instead send out one of these leaflets. I feel this would help the "poor reports" situation a lot, because most all the poor-report senders are not affiliated w/redio clubs, \& how else to "fill them in " on how to report? Thic leaflet idea would. be especially helpful if we could get some of the $50,000 \mathrm{w}$ giants to cooperate w/this iden. What do you think, fellows? Definitely the best way to combat this is to bring it out into the open. Uniortunately, it won't help most of the DXers who have already "hit" the large stations \& me now sending to the smaller ones. The same could be done at WHOT. Jerry Starr, who is WVIK $\mathrm{v} / \mathrm{s}$ ? Another issue I wanted to aring up is the location of the Conventions, viz, the INRC \& IRCA Conventions being on the same side of the "big river" every year. It would be better if the two clubs held their conventions on opposite sides of the river in any given year, especially for the two-club members who have access to both convettions but can afford only one of them, in e given year. The present method hurts these DXers, because the years when the Conventions are both held on the other side of the river they can usually afford to attend neither one that year, but they could probably attend conventions on their side of the rivep two years in a row. Thus, these DXers (me included) would. be getting two conventions instead of one. Huf said. 73. I think it's nuch better to list stuff in IST since most of the country is on it. If we keep EST, there will always be many who "miss." \& list in IST instead of EST leading to mass confusion, hi. -3ut for listing it in DST, there won't be that many people who will "goof up" \& list in EST. I'Il remember! Who are the 11 states remaining on standard time?
 published as Dx wew of $4 / 1 / 67$ diun't show till $4 / 27 \mathrm{w} / 4 / 8 \& 4 / 15$ lssues lititle bet: ter. I fear pescimisn re service from Boston area was justified; real worxy about this, JAC. $3 / 26$ found WHCJm870 TEST easy log. $3 / 27$. I added WGTA-950 $\mathrm{s} / \mathrm{on} 5: 30 \mathrm{~mm}$. $r / 17$ found WCMB $1460 \mathrm{~s} /$ on 5:01am for weicome catch for Contest 73 (And, where ane Contest Standings, IRC? (I'm wondering too; Rcy -URC) 4/21 netted CKOO-1240 Osoyoos, BC s/off 4:09am (I knew nothing of their DX for JRCA as DX IEWS late; same story on KOHU's. TEST; apry, Mike). $4 / 24 \& I 0 c a l$ KNYZm 230 off so I added three new calls on that iong neglected frequency, i.e.: KRDR Grechar, Ore, s/off 3:0cam (s/on 8em; ET muco of the morning); KTAY Tas Vegas; ID in heavy QRM © 6.59am; KGFib Bakersfield ID 7:29em. Veries: KFID-900~TEST, WONA 1570 (best on that frequency past seai. son). Also KIOE * WHCU duplicates for contest. Above 1570 verie brings totals thereon to 40 logged, 29 verified. Logged but unwerified include: KFen KGGG KWAY (all Forest Grove, Ore. calls!) XEGE (Mexicali), Chinese outlet, WAPL WPAP (Fernandina Bench, Fla) VIIK KLEX. WFUR \& Asiađic Russian outlet. Veried: CHUB KRWC (Foreat Grove) XERP KCVR KOHU KNIC (Salt Lake City) KMRS (Morris, IAInn) KLOV WPDB KRKC (King City, Cal.) CFRY (Portoge la Prejrie, Man.) KOLS WRWJ CFOR WAFS KMCD KMAR WDEW (Massu:) WFIR WHOT (Cambell, O.) WPIK KBRI KNDY KUXL KZOL KACE KJFJ WONA \& KTAT. An inter-. esting frequency; I would be interested in knowing how scme of the other Western DXerst heve fored on 1570. 73. (This report was "returned to sender" by cur-farous Booby-Hatch Post Office - very sorry, Roy --ERC)

$$
\text { Gene } 11 \text { ien } 134 \text { Bret Harte Way - Vollejo, California - } 94590
$$

About time for my annal report However, $1 \$ 967-68$ season should be better as I'3l be working here in Vallejo. Veries in the last tyo months are KREL-1370 CFAX-1070 WHCJ-870 KAPS-1470 KZIT- $2450 \mathrm{KORE}-1050$ KCLR-1530' KMFB-1520 SRS-725 \& 4QD-1550. The latter was \#31 from Austraida : Total. verief now 2, 574 . I tried out the HA-700 at Laiayette in Berkeley but not a good. test in the store \& they wouldn't let me test it at home against the HQ-12g-X. Dial calibration not equal to the Hammarlund dial. Sensitivity very good on all bands, including LW \& all SW bands. Selectivity on KPAT-1400 not. too good. as they covered. 30k! I hope to make the Eugene meeting if plans work cut. 73s: Jerry K. Conrad - Box 244 -Alexandrie, Kentucky - 41001 $5 / 6 \mathrm{DX}$ NHW here on $5 / 6$ via FIRST CLASS that the way, boys - Hey, Jerry starr has no info about the CAncy get-together. That should read Jerry Conrad and. Pat Flanagan! I cure hope GPN gets to feeling better. Ycurs truly is quite under the weather too as I write this. I had a nice chat $5 / 7 \mathrm{w} / \mathrm{TIm}$ Davisson who plans to come to Cinconnati $6 / 9-10-11$ w/George Greene. Also letters frem Chuck Rader who'll be here w/. Chris Maslen. Alan Merriman also plans to be here, he writes Gordon \& John plan to be here, aoso Dave Fisher (R.S.S.), Bob Foxworth, Frank Merrill, Walt Breville \& others are going to try to make it, they say, so it should be a fun-packed weekend. As to the EST/EDT question, 1 think we should stick to EST year...round as most of our logs are in stmatard time \& too many conversions lead to errors. IST may be observed. by one \& all but that doesn't change sun time one bit. On the "vote" question for the Conventions I feel that the two year plan is best. A mail vote would not necessarily represent the members who actually attend Conventions. EC Conventions should. vote for EC Convention sites \& WC Conventions for their sites. Cnly new DX here has been reloggings on some TAs for another try at veries. GPN has most of that. See you in 14 \& everyone in Cincy June 9-10-11.

Jerry Sterr-whor Rodio- Ycurgstown, ohio
$\mathrm{H} i$ there. No mew DX due to HNL, but Dr. Jerry ${ }^{2}$ Verie Magnet strikes again. Friendly v/l from non-verify (usually) WDXR: \& $v / q$ from, would you believe, KARK. KARK card. hes pix of XR building wheavy fence all around \& a sign reading: "No visitore, No Fhotogrephs. " Huh? KARK v/s is Dm Winn, CE, \& WDXR v/s is Pepper Lipsinx. WPepper says thet they will soon $\phi$ be $10,000 \mathrm{w}$ fulltime, but still 1,000w nights at this time. This Musing continued from $5 / 3$. - Cme new station to report, my best Class 4 reception this morning ( $5 / 4$ ) KGVL-1400 $\mathrm{f} / \mathrm{c}-\mathrm{TT}$ 12:10-12:25. This check not listed in any f/c list, Joe Fela, take note. Several more veries in today: CrRY-920 for IRCA Special, they got only seven reports, \& WOMP-1290 on report (rats). 73\%, everybody, \&
 PLETSE RUEMBER TO DOUBIE SPACE YOUR REPORTS, BOYS! AISO, PIEASE MAKE SURE YOU GIVE SIART \& FTRISH (OR TUNE-IN \& TUNE-OUT) TTMES WHEN REPORTIVC FREQUENCY CHECKS!

Greetings friends. No new DX to report since ry last lusing dje to colilege work at U. of ${ }^{2}$. keeping me busy. I would, however, like to call attention to wiy $17 W$ address, printed above. As yau cen see, I:m no Ionger living on Dunloggin Road although Itm still living in the Ellicott City area. (Ycu're all "dun-loggin? there, hi -ERC) My new home on High Point Road is about one mile from my old one on Dunloggin Road. $N_{\mathrm{y}}$ femily \& I will be living here cnly temporarily until we find a permanent residence somewhere else, probably some time this coming Autum. In any event, I would. like all of my letter correspondents to take note of my new dadress ac use it until further notice. In six years of BCB DXing from my home on Dunloggin Road, I loged. 735 AM radio stations from 43 states, seven Canadian provinces, \& 11 countries. Back in early February during our college senester break, a friend named Dave Henninger journeyed w/me up to Syracuse U. to visit Russ Fdmunds. We spent two enjoyable days there trudging through the snow \& slush \& managed to tour four Syracuse stations: WSYR-570 WHEN-620 WFBL-1390 \& WOLF-1490. Several of you NRCers have written me and. esked which nearby Wrshingtion DC racio stations are network affiliates \& at what time these stations broadcast NX. WTOP- 1500 presents CBS NX every hour on the hour; WRC980 presents NBC NX every hour on the hour; WMAS-630 presents ABC NX at five minutes before every hour \& WINX-1600 presnts Mutual (MBS) NX every hour on the half hour, while WOOK-134日- presents Mutual (MBS) NX at five minutes before every hour. Wookevidentiy tapes the MBS NXCast when it is broadcasted. o/the $/ t / 4 \mathrm{f} / \mathrm{/} / \mathrm{q} / \mathrm{d} / \mathrm{d} / \mathrm{h} /$ the network every hour on the half hour \& then presents that tape o/their own station at five minutes before the hour. All Wrshington Senator BB games, both home \& away, afe being brodicast as usual o/wTOP-1500 this season. I'l1 report again next month. $H_{p}$ ve great Summer \& bysickle for now. (What's the rest of the Washington BB net?) Bob Shaw - 234 Columbus Street - Elyria, Ohio - 44035
 $1410 \mathrm{ET} / \mathrm{CC}$, also one TJB record, for report, I finally heard CKSL-1410. They were in there weakly w/c/w. WOTT was the strongest signal present. At the time, though, I. was thinking it was $5 / 1$ \& said so in my Werl report which is a neat way not to get veries. $5 / 1-M M-K Y O X=1310$ concluding $f / c-T T$ @ $12: 31 \mathrm{~lm}$. By the way, WOTP ET was heaxd. 12:31-12:52am). WBUD-1260 ID 12:46, I believe for ET/M, not sure. WMID-1340 almost no QRM @ 12:59. $5 / 8$ was a loss since I turned off the alarm without waking up. WAKR was back on 5/1. Veries are from WदN $v / q$, \& WGPA TRSI $v / 5$, also w/letter stating if you $H_{\text {aven't }}$ got a verie by $5 / 15$ to send. a $\mathrm{f} / \mathrm{up}$. Does anyone have a WDXN-540 v/s? As to EST/ CST, EDT would make more sense w/only $8 \%$ of the country not using it. But not in IXDD. Concerning the Conventions, a mall vote is the best solution for this year, I think, \& then the two year plan would be a fine icea. I read in Newsweek a story ar bout NIIB-1190 \& it said they plan to go 10 kw . I haven't seen anything on this; is it true? And now it's cold outside \& the rain is pouring down so I think I'II say 73. Dave Schmidt - 44 Grean Lane - Green Ridge - Chester, PennsyIvania - 19014 Hi dx is realy siow w/the last few weeks school making that way. In fact, I didn't scend any reports for three weeks up till $5 / 7$ when I reported $\mathrm{WBOS}-1600 \mathrm{w} / \mathrm{HI}$ AN (C) 5:53am, WINC-1300 on f/c-TT @ 4:31 till 4:40, then into s/on, \& WPXY-1560 @ 5:02am s/on, then into $\mathrm{c} / \mathrm{w}$ w/Uncle Relse. That's all. I haven't been up for about six weeks for a $M$ session, to tired, h1. Recent veries: $v / 1-W X H R-7$ H-MEST (thenks to Pete \& John), WFLB-1450. V/f- WCPA=1100-TEST. Total: 459. I rinally IDed just who the HI gal is, alias Donna Holliday - wonder how many stations she's at now? WIMM1450 hes dropped their AN sked about five months back, now 6-12. Ihave gotten my third class permit in here recently, I may be working at WWCH by the time you read this on SMs until school ends, then maybe the "stand-in" men for the Summer. This isn't $100 \%$ positive as of $5 / 7$ but I'm hoping, hi. If I do get in, maybe you'll be sed ing e TEST from WVCF, \& veries, too. I noticed they konked out on $5 / 7$ around 2 pm \& WGSM plus enother one were on top. WEEZ waen ${ }^{\text {t }}$ off, power failure in all of Brookhaven, phooey! Hey, EFC, heve you heard of Heinen-Schmidts Beer from Johanns-LaRoche, WY? Thet's about all for now from the Land of WEEZ on $1590 \& 1580 \& 1600$, etc. Bob Schmarder - 4 Pinewood Circle - Corning. New York- 14830 -
Now on the air: WIQT-1000, Hofsehed.s, TY They ceme on 3pm 517, taking phone calls from as far as Oswego, NY (140 miles N) \& Jemestown, NY ( 175 miles W). Address: Hanover House, Henover Square, Horseheads, NY. They are "beautiful mx" radio, \& start RS 5/8. 73.
 that was third class! Maybe our problems are solved - or was it mailed early? DX iss very little lately, \& is almost $a s$ slow as last Summer. Here's what's been heard: on 4/10, MMMJ-750 ITing w/JBC QRM @ 3:18am. 4/12-WCWW-13,9 © 7:30pm s/off. 4/17-WNBS-1340 f/c@1:30am, WYSL-1400 2:55, WBAX-1240@3:10, WRIT-1340 finally on $\mathrm{r} / \mathrm{c}$ © 3:20am. Then 4/21, WBSC-1550 on a tect @ 3:500n Is time. Un 4/23, @ 12:03am, e/w mx \& CFGM-1310. On 4/24, my wish came true w/WJR off; but just a Cuban, CMCD © 1:25 om, I had hopes for R. Demarara, but wJR back on w/OC @ 4 am \& s/on-SSB @ 4:10. Later WPAZ-1370 test ID @ $4: 30 \mathrm{~mm}$, off @ 4:35. $4 / 26$ brought WAWK-1140@7pm. 5/1 was a mess, DST \& all, times are EST: WZKY-1.580 f/c @ 11:340m (Sun, alght), CFRA-580 pounding in © 2:05am, KTTN-1280 w/talk show © 3:9 w/Fs CJMS off. Finally, WSTL-1600 testing © $3: 23$ \& also WAAM OC w/some TT. $5 / 3$, only WINZ-940 @ $2: 15$. Only newie $5 / 8$ was KIVI- 560 good. © 5:15am. Back to MM $5 / 1$, who was the weak SS on 700 all AM w/ WLW off? Really weak. Also an InID TTer, not too strong on 780 (e I:43, definitely not WBEM. Veries: $v / q-\operatorname{HJLQ}$ WAMI ChNO for DX-test. v/1-. on 4/22. Ed Marr, an IRCA member from Joliet, Ill, came up on his way to Califomia (kind of a round-about way) hi - \& he stayed intil 4/23, we had a lot of fun \& just messed around. Attention, all SCere: I have begun collecting SCE again, \& have traders of WTOD \% WCHO, plus a few others. SCre, write! looking back over the past season, my first full season of DXing, I find that my best veries were probably CSA3-665 CSB9-782 BBC-1214, $R$. MOntserrat, KENO KWYO KGA KYOS \& CFCN. Totals now approxiamtelw: Stations $900 / 230$, states $47 / 44$, provinces $10 / 9$, countries $32 / 19$. Compare thise totals $w / 315 / 101,35 / 34$ $7 / 7,7 / 4$, respectivefy, \& you have a eumary of my DX activity for the past 11 months. 73 s \& PITTSBURGH in ${ }^{\prime} 68$ '

Patrick Flanogan - 1987 Winding Lane - Loveland, Onio - 45140
 now on, they will be silent l-3am the first MM of every odd-numbered month! Boy, is thet good news: I recently picked up the current copy of Holiday Inn Magazine which lists all the HII AN stations. By frequency, they are: 560 -WGAN, $570-\mathrm{KLUB}, 590-W O W$, $630-\mathrm{KIDO}, 770-\mathrm{KOB}, 790-\mathrm{WMC}, 920-\mathrm{KARK}, 930-\mathrm{KITE}, 950-\mathrm{KRSI}, 1060-\mathrm{CFCIT}, 2090-\mathrm{WBAL}, 1110-$ WBT, $1170-\mathrm{KYOO}, 1330-$ WBTM, $1360-$ WKMI \& KRYS, $1380-$ WTVR \& KWK, $1400-\mathrm{WICK}, 1520-\mathrm{KYMN}$, 1600 -WBSS. This progrem is broadeast $12-5$ am local time. Well, I hope this clears up some of the confusion about these DX-Wreckers. DX: 4/26-WAWK-1140 4:06pm, down from 1570k, WHBU-1240:4:30pm, WERT-1220 5pm, WVJS-1420 7:25pm, WAZY-1410 overriding semi-locel WING © 7:37pm, WPCFO14307:30pm. 4/28-WIL0-1570 5:27pm, WKBX-1500 \%x8× pmetpm. KMPL-1520 7:30pm, \& logging \#600; WAPX-1600 9:33pm: 4/29- KIIO-1440 12:30 am, thanks to Jim Morey's tip. $5 / 4-K L A A-1570 \mathrm{~s} / \mathrm{Of}^{\circ} \mathrm{f}$ 8:13pm: $5 / 8$ - WIS 560 topm. Only recent veries: v/1-WGPA YSS WRBC. v/q- WMAZ. 5/5-6-I Was at SFC in ploretto Pa. taking placement tests, \& evening of $5 / 6$ I had a nice phone chat w/Steve Weinstein. 73s \& don't forget Cincinnati 6/9-10-11. As they say in Kittanning, Pa.. WACB - We're All Gfncinnati Bound. Morm Shacet - 200 Beinbridge street - Molden, Massachusetts - 02148 First of $\vec{f}$, Ive always thought that we should pick the convention site bu a vote or the whole membership. I don't think it is a very good idea to have Special DX Teste scheduled. In the early part of the Summer. In June \& most of July, CX are at a low \& long distance loggings are nearly impossible. Also, you run into many thunderstorms that can ruin reception for many miles. I'm in favor of DX TESTs for as early as August \& I'm plaming on setting some up at that time. When I helped, out at Jacls a Pew weeks ago, I noticed so many members that I've never heard of. Come on, let's hear from you ali! ERC needs the practice o/the Summer. (You're not just aowhislin' Dixie, Horm, hi-ERC) Down to DX. 4/21-C???-1480@9:40pm. This one is an FFC. Anyone know about this one? It's dominant most nights. 4/27-WRYM-840 © 6:28, \& that's all. CX seem worse now than they did last June. Reporte went out to WXVA $f /$ up WHLO $f /$ /up W/PP ZNS f/up YNKW WEIM WKBA WCSH. I Iogged \& verified WKBA w/ikw. If they verify, I'm going to count it as two veries. Should I also ccunt it as two log* gings? Veries since last time are: v/q-CFRB KYW WEAV w/postage due, WGIR \& ZBMs on f/up. $v / 1-$ ORTF-1554 WCRV \& WKYB. WKYB's reply was very friendly. I enclosed $5 \phi$ postage \& he malled it up airmail. Also on the stationery, it said, "Pending final approvel by FCC." 73, \& BOSTON in '68:
WHETHER IT'S BOSTON OF PITTSBURGH in '68, REMEMBER, IT's EUGENE IN '67! SEPT.1-2-3-4:
H.. DX was pretty good in Aprit w/60 new cnes 20 ged \& tm off to a preve good staxt this month. DX: WM 5/1- Only station logged was CJOC-1220 for report (6) 1:582:12am. KUKU-1330 Mo. in o/WJPS for a few minutes © 7:34pm. KBHM-1220 Mo. clear @ 8pm. $5 / 6 \mathrm{mCIJ}-980 \mathrm{La} / \mathrm{w} / 5 \mathrm{em} \mathrm{c} / \mathrm{on}$. WMBL-740 NC w/5:06em s/on, then rr show. 5/7-XIMR-980 finally IDed as my mystery SS here - e 12:44ane WSGN-1340 © 1:03; KRAY - 1360 Tex/ © 5:59am e/on, KERS-1360 s/on © 6:01, KRCB-1560@6:04-6:21 for report, WINX1550 Ga . © 6: C7, WMQM-1480 w/NX © $6: 30$, \& WHIP-1570 o/SSB of local WOKZ @ 6:45am to round out that SM. Still 5/7, KYND-1580 s/off is e9:12pm. NiM 5/8. Tentative KFBB1310 Mont. on $\mathrm{f} / \mathrm{c}$ (0) 2:06-2:09. WKGN-1340 Tenn. w/rre © 2:25. KOYN-910 another Mont. (1:) w/f/c © 2:45-3am w/several Morse ccde IDs. WIID-1270 © 3am. Report to WDVA1250 © 3:42-3:55 \& also heard WDAE u/them © 3:55-WREN was off. WTT-970 one of two s/ons © 4:03 - who might the other be? (Might be WERH -ERC) WWHY-1470 putting in a good signal @4:06. 5/9-KRNY-1360 Nebr, s/off@ 8:45pm. KPUR-1440 good. w/rre @pm despite a little WII slop. $5 / 10-$ WJECr-1480 ( 1480 \# 75 ) s/on © $4: 59 \mathrm{em}$. So far in ten days, 30 new stations! Only veries: $v / q$-WNOX. v/f-CJCC-1220. Totals now 559/153. 73 s \& go CARDS (end. Stars, too!)

Bruce Reynolds - Route 2 - Warrensburg Miscouri - 64093
Hi. Not much DX lately, but I got lazy \& missed the last issue so some old stuff to catch up on. Fellow c/w lovers, we lost one. KSIR-900 changed ownership, call, \& format. Now KEYN w/mild rr. On the bright side, semi-locak KBII-li40 is playing almost $100 \% \mathrm{c} / \mathrm{w}$ this afternoon, so they may be ready to walk the "straight \& narrow," hi. DX: 4/15-WFPR-14C0 in well o/KFRU w/f1ocd reports © 4:01am \& WMRFI-1/50 w/c/w @ 4?24am, HRTV-715 in @ 11:21pm. 4/18-Much-wanted. KELO-13E0 xdxx thrcugh mess @ 12:51 am \& WKLIr-1370 thr ough much WSPD w/r/c @ 1:14am. 4/22-KBTO-1360 missed on DX TESTC in @ 5:03pm u/KLRS \& KLMT-1230 also much wanted u/KWLX © 5:30pm, KRSL-990@ 8:16pm s/off. MM 4/24-WROZ-1400 thrcugh pest KFRU © 3:28am, KNPY - 2070 apparently ANing w/ $\mathrm{c} / \mathrm{w}$ © $4: 16 \mathrm{~mm}$ (heard again MM 5/8), WING off \& WEGO-1410 in very weak © $4: 57 \mathrm{am} \mathrm{s} / \mathrm{on}$, WCPH-1c:00@6:05am, WFIAtg00 @ 6:22am, KVSA-12e0 s/cn-SSB weak u/WSIM © 6:30am, then $\mathrm{c} / \mathrm{w} \mathrm{mx}$, KZYM-1220 way u/KVSA/WSIM @ 6:5lam $\varepsilon / \mathrm{on}$. 5/5-WAVI-1210@ 5:3lam. MM 5/8CX seemed good for a change, but cnly WRGA-14 40 © $4: 40 \mathrm{am}$ \& WHBC-1480 © $4: 46 \mathrm{am}$. Veries have been slow. v/l-KVOL KHOS KCMR ( $/ 4 C O$, for Dec. report) KRDO KPAC KWRF \& WFPR. v/q-CJAD CFRB KSO KWSC. v/f-WCOJ. Totals: 962/409. I'm in favor of retaining EST. A change would only cause a lot of confusion. Surely you Easterners can make this simple change for the off season months. The rest of us have to do it all the time. $v / 1$ from YL traffic manager at $K H O S$ says I might be hearing more of 'em, as they are applying for a "50 watt license!" I think she means 50kw. Hi. I guess I'll get busy \& build a doop this Summer. Present equipment: Heath GR-64 w/ mechanical filter \& 200: longwire. Ny sympathy to any others who have to make do w/ a $\$ 40 \mathrm{RX}$. Hi. Well, as they say in Buck Owenc Land, "Where Does the Good Titmes Go?" "Sam's Place?" Hi, \& 73 s .

Bill Chetham - 6900 Westmoreland Bogd- Falls Church, Virginia-2zo42, $D X: 4 / 29-w 1 A S-910 \mathrm{w} / 6: 45$ e/off. 910 most crowded frequency now, w/eight stations. 4/30- WFGC went off early © 6:30pm; un WGOT © 6:35 \& newie WEIT 1590 © 6:44. Th frequency is a solid pile of stations at this time $w /$ the eight transistor I used. 5/1- WILU-16CO s/on, then SSN © 5:55. 5/3-WKYE-1550 rre 7:17-7:30 s/off \& SSB. 5/7-WBAP-820-e 1:04am w/report taken - QRM from 830 Cuban. Veries: v/f-WKIX (five months). $v / q-$ WOR \& $v / 1$, WIOO. I wrote to a DJ on this one after two reports \& received a very nice reply from Fred. Adams. He said they have an TTA XR w/one "stick" in a very good loction \& lkw. Also he said that "if anyone in your radio club would like confirmation, please feel free to give them my name \& address which is: Fred Adams, c/o WICO Fedio Carlisle - 33 West High St., Cerliele, pa. 17031. Presently they are in the processs of having a map printed w/info concerning patterm, power, \& population of their area. I guess he means a CM so maybe they will mail these out eventually as verification. R.S. Station, your 7380 Richmond is WIBR. They recently chenged. from WMBG. I'm now heading to ward the 400 mark of received. etations w/37 to go. I'm going to have to write out order for wire (for loop) as local Iafeyette didn't have it in stock. Reports out to WFMD (third try) WAYE WBRJ \& WBAP. That's it from here. 73 \& Down w/Static!
B.S.S. $=$ Richmond, Indian

Keep DX INES on EST! We ve got a problem either way \& we may as well stick to a standard usage throughout the year! I "vote" for EST 12 months a year! Hi there. Since this is my first report I might as well introdnce nyselr. I'm it yeare old \& in Grade 9 at school. Ny DX totals are: $424 / 275$ stations; $32 / 28$ states, \& $5 / 5$ provinces. Conntries? I think $I^{\prime} 11$ skip that for the present time. Ny RX is an RCA-Victor five tube clock radio. I don't use an antenna but one of these days I hope to billd a loop. I am also and SCer ( 336 total) so SCers, please write. The $5 / 6 \mathrm{DX}$ NEWS got here on $5 / 9$ which is pretty good for third ciass. I think the NRC should stay on EST since it would only be of convenience to Eastern members to use LST. Now to BX: MM 5/I (all AM): KONE-1450 frp, $4: 42-5 \mathrm{w} / \mathrm{rr}$; KIOA-940 5:20-5:30 w/
 ;23-s/on @ 6:30; KYIT-1340 unn's/on @ 6:47; KREX-920 unn s/on @-6:50; KHEI-1260 \& KPUR-1440 heard once again 6:06-6:18 w/rr but much louder. KRYS-1360@ 5:30; unTD$1360 \mathrm{w} / \mathrm{VOA}$ IDs $.5: 15-5: 45 \mathrm{w} /$ talking in a foreign lenguage \&s NX. Is my radio "gibbled." or did I actually hear VOA on 1360? Well, so long for now, 73 \& good DX. (Weicme to the MRC, Brian, \& do report to us often! Scmeone else "up front" from here heard. a. VOA transmission on 820 or 830 k - meybe something 's'going on $\mathrm{W} / \mathrm{VOA}-\mathrm{ERC}$ )

$$
\text { Philip L, Suliven - } 94 \text { 11th Street -Troy, New York }
$$

Greeting: Tine to Muse auain DX lately about nil just a fen emi-luna graveyarders I hadn't bothered to log before. \$ noticed local WHAZ (1700 feet from herel) was on all day today ( $5 / 13$ ) programming // to WRPI AM/FM for special Parents Weekend. feature here at RPI. Regarding the EST VS EDI question: 0 gee; the DX MEWS should. stay on EST - I keep my logs in EST year-round as I find. this makes it easier to check back on previous loggings at a later date without having to worry whether the time I logged for the station Was EST or EDT. The same goes for times listed in the DX IEWS - I don't want to look up a reception of a station in a past issue, check the date of that issue \& try to decide whether that issue was on daylight or standard time. The argument that daylight time is easier to use \& understand because it corresponds to the locsi time only holds water for those in the Eastern Time Zone. members in cther areas have to convert their local time anyway. Daylight savings time was invented by an old Indian who cut a foot off one end $\mid$ of his blanket \& sewed it on the other to make it longer! The $5 / 12$ issue of TIME magazine, pp. 58-60 has an anticle \& map showing what areas are on daylight time \& those that ain't. Southern Mich. \& Tastern Ind. are on EST, same as CDT which the rest of those states are Cn. Parts of Central Neb. \& Kensas are on CDI instead of MDI. Southweet N.D. \& the EI Paso region of Tex as are on MDI (i/e., they stayed on CST). Alaska \& Hawaii stayed on standard time. Ky . is a mess, w/four different zones. On to other topics - I like the idea of $\frac{1}{\mathrm{p} p i c k-}$ ing the Convention site two years in advance, the end result of which would probably enable more members to attend at least every other Convention. JAC- I like the SR/SS charts you've been running; the monthly table like you did for AI ril seems to be the better way but $E J{ }^{1} \approx$ maps sound. like the best idea yet. Well, I must be near my 30 lines by now; so I will s/off. 73.

Herold S. Williams - 50 Third Avenue - Seymour, Connecticut - 06483
It has been scme time since 1 have sent in a Musing. The reason is that on May 5, I retumed from my third threeweek stay at the hospitai following my third major surgery sonce last October. Very little DX activity has resulted: \& but eight DX reports heve been sent since $1 / 1$. They are WYNX- 1550 Smyrna, Ga., WGCG-1000 Walhalla, SC, WLOp-Jesup, Ga., WYO-970 Pineville, W.Va., WHEN-1600 Riviera Beach, Fla/, KETX-1440, Livingston, Tex., WDXI-1490 Iexington, Tenn, \& WSRF-1580 Fit. Lauderdale. X Those un derlined. are verified. W/m wife seriously ill \& hospitalized, from $12 / 65$ to $7 / 66$, very little DX has been done here for the 18 months so that my totals now stand at $2,645 / 2,407$. I want to add my thanks for the fine job done by Dicli Caoper \& Joe Brouner \& to wish Hohn Callermen, Gordon Nelson \& Ramay Kane the best of luck in their new assignnents. All they need is the support of the members. I would be remiss if I failed to also extend my thanks to Ernie Cooper for the great job he has done for these many years. I will try to get in some regular vusings in the future if I an iucky enough to catch some SR or SS DX. 73. (Sorry to hear of your illiness, Hal - let's hope that alI this is behind both you \& Mrs. Williams for good -ERC) StevenB. Busseli - 8914 Moh Hk Drive - Bethesda. Mery land - 20034
DX: 4/19-WJOB-1230 1:03 am w/rr* 4/26- CHCB-1310 in FF 12:24-12:33 s/orf, WBIH-1400 on late w/Cincinnati BB 1-1:43am s/off-SSB. Veries: v/1- WIIN CHNO WMNS CHIN WBBQ WAWK. WJOB WKYB WDSL CFRY WUSM WLET CHGB. v/q- WDSU KYW WKUC WJIM WBAY KMAQ WOKE WRCY. $\mathrm{v} / \mathrm{f}-\mathrm{KFJB}$ WVGG WGPA KRGI. v/r-WSIP. UnIS tester of $4 / 3 \mathrm{on} 1500 \mathrm{w} / \mathrm{c} / \mathrm{w} \mathrm{mx}$ was (P.II) DX NEWS should be WIKYB. 73 \& best oi DK.

Glenn Mauser - 303 Ash N. E. $=$ Box E435-Albuquexque, Now Mexico - 87106 Several matters cry out for my comment I am somewhat amused by the EDIFST contoverst. Fellows, it really doesn't make ANY difference which zone is used; just so it's specified. Time is time. However, I think the best compromise is to go over to GMI. This would put NRCers in step w/the rest of the $D X$ world.; \& ORT is far enough away from us that nobody could complain of favoritism. With twice yearly time changes in store for the US from now on, this is the best solution. Follow the wise exampleof WW: On Conventions, I see not why just ONE site must be the official NRC Conventimon each year. The Club covers a lot of territory, so why now have three, four, or more regional NRC Conventions every Summer? One DYer complained that stations were stealing his money by not replying. Really, no one has any obligation whatsoever to reply to unsolicited correspondence. And another lambasted. those who send reports to Cuba. Having a QSL from Cuba doeen't mean you're a Commie - just shows ycu!re able to extract something YoU want from the enemy, hi. I suppose if he didn't like IBJ, this DYer would boycott KIBC. Can you imagine how much anguish this would cause poor KIBC? And finally, Id like to remind those domestic DYers who favor varies for authenticity over tapes, that it's always possible to exchange report info w/scmeone else \& claim "verification" that way, DX: 2/21- YSS-655 9:59pm EST w/ID \& NX, for a new country here; \& 4VEC-1035 (10 10:04 w/hymns, for another. 2/25-After KIZ s/off, KSFO560 in clear $\mathrm{w} / \mathrm{NX}$ © 2:32am. 2/27-XEQK-1350 w/ads/TX © 3:57. Two minutes later as $I$ tuned across 800 , I heard. ID of KINY , for another new country in Albuquerque (Total heard: 21). On $3 / 10$ XENSM-830 (studio Culiacan; XR Nevolato) s/off w/"Cielito Linda" © 8:59pm. On 3/12 a Mexican on $680 \mathrm{w} / \mathrm{ID}$ only as "R. Aetualidades" heard. Ppm soft or powed/antenna change, which station? 3/20. I noted. XEFW-810 © 9:18pra $\mathrm{W} / \mathrm{ID}$ \& beer. ads claiming 50 kw . On $4 / 4 \mathrm{KDEF}-1150$ failed. © 12:52-12:58, allowing KSAL through w/10cal NX:55. 4/10, I heard KFSC-1220 (XR Arapaho County) in SS concluding "Atardecer Musical) 8:26pm, then spoff message on SS \& EE, no anthem. 4/15, @ 12:55, KGHIm790 dominated, w/light $\mathrm{mx} .4 / 20$, © $11: 54 \mathrm{pm}$, CJOC-1220 invited free messages for those isolated by snowstorm, as an emergency BC station. Now back to my IV DYing, hi. 73. Ralph M. Johann s-11 East Chippewa Street - Buffalo. New York - 14203
In re DT/ET, it d. help the DDD page by giving weeds in the actual station time, learing the rest as heard in IST; the IDXD is best kept on IST. When the members Muse, they might mention as heard IT (their time), as many times the heard station time may ${ }^{\text {- }}$ not be known to the individual DYer. ADT is just odd-looking in the PST zone as viceversa. Red print v/q by CKLW-8C0; v/q black-on-white glossy WVKO-1580/ V/1, CM written on WLET-1420 423 Prather Bridge Road, Tcccoa, Ga. 20577, mentioned each third. Friday @ 1:40am EDT is $\mathrm{f} / \mathrm{c}$. v/1, CM CJOE-1290, is AN -7, beams mostly N. v/l CFRY920 (for $4 / 10$ Special). v/工 for Special WERA-1590 \& CM. $v / q$, color/giossy by KSTP1500. This Sat. AM $5 / 13$ heard WHI-1350 TT 1:40-1:53am TST \& $5 / 7 \mathrm{WWJH}-1580$ @ 1:40 am EST, no reply yet for RS report of $4 / 19$. $5 / 3$; heard. WHEL-1570 between 12-1:07am, they used to be WIRP: Then, WOWI, WNWH. Other nomanswer \& even Specials NIX. Andy Rugs, thanks for Expo-67 newspaper. 73.

Walter LoRoche - 475 Morrison Drive - Pittsburgh Pennsylvania- 15236
Hi. $v / 1$ - WNYN. DX nil. I will be working most of the summer in Germany (Essen) \& will also visit France, Holland, \& England. All those knowing of SC printing stations there add./or those interested in receiving some, please write. I'Il be leaving from Norfolk Va . (by coal ship, hi) on or about $6 / 15$, so $\mathrm{w} /$ Semesters \& shots (\& a parental NO) I cen't get to Cincinnati. Also, fox some reason, like money, no Eugene. Maybe PITHSBURGH in 168. - 73s \& Happy Static Collecting.

Dave Fischer = Prof, Dep it of Mathematics - Earlham - Box 836 - Richmond. Ind. Well, this isn;t much of a report, certainly not much for a Musing, but I thought Id. drop a line \& say I'm pretty inactive now since $I^{1} m$ getting ready to move to Lincoln, Neb, where I've taken another job. I will give you all the support from Lincoln that I can muster when I'm set up again. Presently handicapped. w/an S-38 RX w/ LV \& a good. antenna coupler. I leave in June \& should be in Nebraska by the end of June. This time $I^{\prime} m$ not going to get stuck w/any of this "R.S. Station" business. Take care, \& I'Il give you a note when I'm back at the dials. (Good luck \& success in the new job, Dave, \& we look forward to more of your interesting Musings! -ERC)
BE SURE TO LET THE BOYS IN EUGENE KNOW YOU'RE CONING TO THE BIG NRC CONVENTION THERE! so fine on the NRC DK front. In Santo Domingo, D.R., I visited. various stations. Detaile will appear later in IDXD or the Features Section. Among them was Radio ABC540 , where I was pleased to see three reports of the highest calibre, from Brale Coper, Alan Merriran, and George W. Jones. The Director, Ing. Jaime Nelson Rodriguez, noticing the good reports on NRC stationery, inquired about IRC \& DX NBWS. Being shown the Club paper \& reading, in IDXD, our members' logsings of his station; Ing. Nerlson Rodriguez was struck by a peculiar resemblance between an IDXD logging which mentioned one program detail - the name of one recording artist - and an airmail "report", which R. ABC had received same time the publication of that issue. Thd Director came to the conclusion that the "report" was based, not on reception of his station, for which no veriflable details were given - but on the copying of the solitary IDXD program detail plus the widely-publicized station slogan. A v/a text was dram up \& vexifications will shortly be sent to Cooper, Merriman, and Jensen, but Ing. Nelson Rodriguez said he would not verify the "reception" claimed by the fourth "reporter" who is a member of 7 the MRC. Beming these painful facts in mind, end mindful of NBC's dedication to the maintenance of our hobby's standards, I have decided - wile the person in question remamins a member of cur club - not to submit for publication in DX NEWS any reception information which might be abused for the scquisition of a verification where no reception has ftaken place. And I urge all other members to take these same precausitons. (Rdohaxd, a letter will be forth-caming as soon as I learn your new permanent addres - ERC).

Bob Jacoby - 556 Eest Alvarade Street - Pomona, California- 91767
The season is fuct about over hrre w/warm nights just about cating down all DX. Some of the better veries received this Spring are v/ KAPS KWIC. $v / q-K H S L$ KOL KRDU. That makes a toteI of 60 veries this season $w / a$ few still trickling in. What DX. there's been lately went like this: : 4/7-KWIC-1550 Salt Lake City in very well at their 9:02 April s/ofe. Their v/1 advertises 10kw. nondirectional. 4/7-KWG-1230 Stockton s/off 3:06m. 4/17-KUDI-1350 Great Falls r/c in feir 3:05-3:15am: 4/24-KDB-1490 Santa Barbara f/e o/KWAC 3:08am, KONE-1450 Reno 3:30am w/rr \& epparently AN. 4/25-XESS -1450 Ensenada logged. for a newie w/SS NX 9pm. Listening since then I ve found them atop 2450 many timec. $5 / 4$ - KRLUM-2130 2:152:30am $w / T T$. Their $v / 1$ mentions a nulil toward Pomona but they were still $\delta /$ chwX. 5/8-XHIQ-960 Hermosilio o/KABL 2:05en for another new Mexidan. $5 / 10-\mathrm{KHFH}-1420$ Sierra Vista, Ariz. in well $9: 10 \mathrm{pm}$ w/Dodger BB . 73 , \& thanks to all concerned for making the NRC a goldmine of DX info, even for a WCer.

$$
\text { Tom Hortioff - } 179 \text { Deper Ayonue - Jyege Hew York }
$$

I'm all for a NYC area meeting this Sumer if possible. For the "data" column: WBNR, Beacon, WY wants to change corporate name frcm WBNR Inc. to Beacon Broadcasters, Inc. I also hope WBIC verifies as they did Alan Merrimen. I sent them a report for $1 \frac{1}{2}$ hre. of broadcast. Q/THH I Main St., Bay Shあre, NY. Bect of everything \& Kanahiku Kuma Kolsu. (73:) (Thanks for the fine cardfy Tcm: -ERC) Baiph Irace Jr: - 4 Fox Ridge Iane =Avoni Connecticut $=06001$
Greetinge. I have nothing of signifjcant intereet to report this month except for a few veries guch as WEII \& WWHC both Conn. rolled in the mail box. However just to be a good sport III list a few catches, hi. $4 / 30-\mathrm{wHJB}-620$ e 859 pm u/wnI, very weak \& I'm not positive about ID. 5/7-MMM-1260 © 11:02am, WIIB-1190@ 11:04. Reports oft to WOHO WSAI WRTV WPAC \& WMTR. I urge all you to push your suggestions for more con'tests vie your reports to this section, if you want more condests. BOSTON in :58. Bob Zwier $\theta$ 38 West 17 Street-Holland, Michigen $=49423$
No Wuse for a long time because I haven it DXed since March. F/up time is about here, so does anyone have the $\mathrm{v} / \mathrm{s}$ for these? CJET WIMA CKBW \& Barbados. I would appreciate it if you would either write to me or put it in the $\mathrm{v} / \mathrm{s}$ column. As they used to say in Brookly, "Wait Till Next Year," 73s.

Maxc DeLorenzo - 535 Mount Hermon School - Mount Hermon, Maseachusetts. 01354 Only item of interest here lately is a vague v/I from WEEZ "acknowledging receipt or your reception report." 73.
$5 / 6$ DX NEWS received $5 / 10$, but since $4 / 1$, average time has been $10-15$ days. More normal now compared w/bulletins from Kittanning.

50A Water St. Medford, Nass.

This column wili remain on Eastern Standard Time thru the summer.

## A

550 KBOW-Mont. S/off nightly at 02:15. (Stewart Drake, Philadelphia, Pa.)
650 UnID

680 CHLO-Ont.
740 CBX -Alta.
790 WRUM-Mo.
CFCW-Alta.
910 CJDV-Alta.
990 UnID
1000 WYY'B-S.C.

| 1230 | WHUC-N.Y. |
| :--- | :--- |
| 1240 | WCNG -N. |
| 1290 | WIRK-Fla. |
| 1300 | WLACON.C. |
| 1370 | WCOA-FIa. |

1400 CKSM-Sask. 1420 UnID
1440 CFCP-E.C.
1450 WFTR-Va.
1480 CHAC-Que.
1490
1580
WCVA-Va.

WPUV-Ve.
B
1300
1310
1340
1440
1550
WLIVC-N.C. WDOC-Ky. WENT-N.Y. WGIG--Ga. WEXY WII.C. WYNA-N.C.

WRIZ-F1s.
(After Hours: Midnight to Sunrise)

Poorly modulated RR, s/off w/S55 02:00 MM 5/7. Tither a booties or spur... (Tom Holmes, Waltham, Mass., via GPN. Jerry Conred or Johnny $T$ : know of a likely NRN affiliste on at this time? ( rk ) Very loud on 5/6@ 04:30, announces 24 hrs , probably off MM. No WRKO again! (Dave Schmidt, Chester, Pa.f Weảnesdey AM at 02:15. (Drake, Fa.)
Has ET most MM's at 02:00. (Gordon P'. Nelson, Watertown, Mass.)
S/off MM at 02:05. (Drake, Pa.)
Off nighly at 03:30. (Drake, Fa.)
Strong TT \& OC 00:08-00:31 5/9, no ID's. (rla)
Hemingway. Had another ET 23:40 5/5. (Bob Foxworth, Raloigh, N.C.)
Hrd w7Th \& cycles 23:30-50 5/8. (rk)
Hrd $5 / 9 \mathrm{r} / \mathrm{c}$, but $t: 11 \mathrm{past} 00: 05, \mathrm{w} / \mathrm{T} T$ \& ID's. (rk) Hed TT \& ID $23: 404 / 30$. (rk)
Had $\mathrm{f} / 0 \ldots \mathrm{TT} 5 / 6,04: 30-40$. (Schmidt, Fo.)
Atop at $00: 03 \mathrm{~s} / 0 f f^{2} 5 / 5 \mathrm{w} / \mathrm{Tavy}$ Hymn; mentioned seourity agent patrolilng their facilities while silent. (Foxworth, N.C.) Shucles, I hac my eye on those towers; too. (rls)
Oft'nightly at 02:00. (Drake, Pa.)
Strong TT \& DT 00:14-315/9. ( mk )
S/off nightly at 03:15. (Drake, Pa.)
F/c-TT, ID every minute, 23:50 5/8. (rl)
Drummondivilo? Erd s/off 03:00, 4/23, in FF, (Ralph Vatalaro, E. Scmerville, Mass.) Hrd call ID for new station 23:35 5/12. (rk)
R/e hra under another TT 00:245/9. (ris)
Next f/c will be 6/9/'67 per letter from James Pleklo, ACE. Warning: I'm gettins Xerox copies of thelv reports. (Vatalaro, Mass.)
R/c $5 / 9$ u/CBJ in Rusian (for Expo 47), 00:21 IDthis one is on EST... (rk)

## (Sunrise \& Daytime DX)

Hrd s/on 04:40 $5 / 6 \mathrm{w} / \mathrm{SSE}$. (Schmidt, Pa.)
S/on 04:45 5/6 for Ah \& FM. (Schmidt)
Finally hra s/on 04:32 $5 / 16 \mathrm{w} / \mathrm{SSB}$. (rk)
Hrd s/on 04:00 $5 / 16 \mathrm{w} / \mathrm{D} 1 \mathrm{xxte}$. (rk)
Fird s/on 05:02 5/6. (Schmidt, Pa.)
Where, who is this one? Hrd $05: 15$ s/on $5 / 6 \mathrm{w} / \mathrm{RR}$. (Sohmidt, PA.) Foxy says they are a obytimer in his area. (rk)
Hrd s/on 05:07 5/6 w/00 \& ID. (Schmidt, Pa.)

C
650 WBRS-Mass.
690 WELD-W.Va.
910 KRRV-Tex.
1030. KCTA-Tex.

1100 WLBB-Ga.

* 1090 WKTE-N.C.

1120 WUST-Ma.
1190 WLIB-N.X.
1500 WKER-M.J.
(Sunset and Zvening DX)
Brandeis University Radio. S/on 16:00, carrior NSP. (Tom Holmes via Fuzzy P. Nelson.) Hrd at 19:00 a/off. (Bill Alisauskas, now at Newport R.I.) What date, Bili? (riz)

Signs off 23:00. (Phil Swingley, Fort Hood, Tex.) S/off 19:05 w/preyer. (Swingley, Tex.)
Hrd s/off 19:29 severml days in May. (Foxworth)
Hird s/off 19:00 4/25 leaving wenk \& WMWM. (Foxy)
Hrd s/off 19:15 several deys in May. (Foxworth, N.C. Abrupt s/off 19:45 5/5. (Foxworth, Ni.C.)
Still s/off 17:00. (Alisauskas, N.J.) EST? (nk)

## (Schedules)

550 KFYR-N.D.
565 WHRB-MISS.

640 WTBS-Mass.

680 WPTF-N.C.
850 WKIX-N.C.
1080 CKSA-Alta.
Off MM only: (Drake, Pa.)
Harvard U. Radio. Has AN prse, nominally 5 watts carrier-current. (Nelson, Mass.)
RS 07:00-01:00, carrier NSP. Nominally 5 watts car-rier-should be on this summer. (Nelson, Mass.) Audible here in Medford, about $6 \frac{1}{2} \mathrm{mi}$. (rix)

1240 WRNC-N. C . RS 04:00(05:00)-01:05. (Foxworth, F.C.)

1410 CFUN-B.C.
1420 WVJS-Ky. 04:00-approx. 23:57. (Foxworth, N.C.) Off MM's, not NSP. (Drake, Fa.) silent Min on7y 00:00-04:00. (Foxworth, N.C.) Is NSP, not off MM. (Drake, Pa.) 1490 WSSS-N.C. (Foxworth, N.C.) $\operatorname{Is}$ AN-7. (Foxworth, N.C.)
 Stew Drake says those tips of his are from a DX'er in Edmonton who saw the NRC Condition of Frequencies list; send us his name \& address, Stew, \& JAC will get a sample bulletin to him. The carriermourrent tips from Gordy should help those local DX'ers looking for good low-power oetches; we have heard WTBS and signs of WHRB, durins mid-afternoon, in Malden \& Medford. We have held back seversl April s/off recva in May from Gene DeLorenzo; if we hear from enough DXers who want them, we will print them, otherwise they'il wait till next season.

Keep up the good support, remember BOSTON ' 68.
73. randy


## WOAS...

is now on the air, after a lot of blood, sweat, and tears ... sleepless nights ... endless days ... and, looking at Pete Taylor's jow when the dentist got through with him, and Jicls eyes when bedtime finally came late this week, you can call us "Mugvump" and "Droopy" respectively. Ali this is a prelude to the fact thet the bulletin is being maled thres dsys later then usual this time. (And here's another item to ponder: bocause I felt we should try to get a Saturday delivery if at eil possible, I set a schedule up that would compress ell the publishing functions into Thureday night. Most of the labor, however, hes come from schoolboys (End working men) who have to get up Friday morning.... and don ${ }^{\text {d }}$ t heve to get up Seturday morling. The mothers have already objected regarding Friday morning conditions. And I heve changed qy schedule to where I get to work at 6:00 a.m. Insteed of 8:30 ...)

THE HIRSUTE ESTABLISHMFENT...
strikes again ... with a foreign section which, for the first tiwe in my memory, is beger than the musings. One thing the good Admiral did not touch upon in his otherwise thorough surmer DX treatise wes the potential for reoeption of Australia and New Zealand in the Western helf of the country after the eastem clear channels have feded out. Sometimes, itis quite good. Try Aussies on $700,770 \& 830 ;$ Zedders on $760,980 \ldots$ in JULY, yet:

DX conditions definitely seem to be on the downswing again. Here in the Northeast, condítions on most long-haul paths are definitely below par compared to the last few years. Only the highest powered AN TA's remain audible (for an hour or two after tocal sunset) and only a few traces of the South Africans have been noted. Unusually good reception from West Africa has been noted recently, however, particularly on the nights of $5 / 15$ and $5 / 12$. On the West Coast, DU's have also been generally poor, but Godwin experienced a major DU opening on $4 / 24$ which netted 10 DU's including the New Zealand pirate, Radio Hauraki. Also in California, Revnolds reports an unusual reception from Malaysia on the morning of $4 / 17$, a most excellent catch. In Now Zealand, conditions are also way off normal: "To date, the South American DX season has not been up to par; signals at your editor's location have been Iater than normally expected for the beginning of May, and they have not been numerous at all... Once again we have had another quiet month on this band. Asians are about the best bet for a good nights BX... During this month, J. have kept a careful, watch on these bands and can say that I have not experienced worse conditions for years..."
On Reciprocal Paths. April-May loggings in New Zealand included: CBK good at 0245; KOA good at 0215; WBZ good at 0245; KFAB good at 0300; WCAU good at 0200; CFRN excellent at 0145; and WSIR fair-good at 0115. In Morocco, Mike Bugaj notes that. MYidwestern stations are cropping up with WCFL 58 at 2325 on $4 / 11$, WWI S9 at 2334 on 4/11, KMOX S9 at 2030 on 4/14, WLS S7 at 2040 on 4/14, and CBA 56 at 1800 one day." Philippines. VOA latest schedule shows they have withdraw the VOA transmitter Malolos ( 920.50 kw ) from service. (NZDXT)
Malaysia. Radio Malaysia has signed a contract with a Tokyo Company for throe 50 kr BC transmitters to bo installed next year at Johore Fahru to improve reception in Southern Mialaysia. (NZDXT)
Thailand. The fustralian High Commission to Thailand handed over their third transmitter to the "Thai government recently. Two are of 50 kw and one of 10 kw . The new transmitter is installed at Korat 140 miles NE of Bangkok, while the 10 kw nig. was. installed at Ubol. These transmitters have been installed under SEATO. (NZDXT) Taiwan. The government of Taiwan will shortly acquire a 1000 kw transmitter which will probably be used on the wN band. (rayYWN)
El Salvador. The new relay station of Deutsche Welle will be erected in Fij Salvador. There will be two 250 kW -transmitters and one of 150 kN as well as one 100 kW medium wave outlet. (SCDX)
Megawatts for Cutlaws is the titie of a short article in the April 24 th Broadcasting magazine which outlines the rapid proliferation of very high powered iN transmitters throughout the world. A couple of interesting items appeared in this piece: "Already in use in United Arab Republic is one-megawatt ( 1 million watt) mediun-band (AM) transmitter striking into anti-UAR countries, and with new five-megawatt.station under construction... Being installed in Eeirut, Lebanon, to counteract Nasser, is threemegawatt station costing $\$ 4$ million... Costa Rican station under construction by American is for conmercial, rather thian propaganda purposes, will use megawatt on lowband 'midchannel' and has not only J.S. broadcasters in know but United States Information Agency deeply concerned..." Let's hope their information is better than their prose. (Ed)
The BEC has ordered six one kw transmitters from Marconi Company for their Popular Music Program. These transmitters will operate on medium wave. (RNYWN) Navassa Island, a tiny U.S. owned piece of land between Haiti and Jamaica, seems to exert a strange influence on that handfull of DX"ors (3) who get their kicks from submitting fraudulent information to the DX community. The latest, probably inspired by Tom Kneitel's irresponsible. Confessions of a Radio Sman Hoaxer (Electronios Inlustrated, May 1967), would have us believe that a 50 kv Mw and 20 kw Sil will soon go into operation from Navassa under the callsigns WOW and K1I. Unfortunately this fnformation appeared recently in no less an authoritative source than the World Radio Bulletin and is therefore being widely reprinted. We suggect that this item be filed away with all the rest of the Navassa Island hoaxes until that time when convincing authentification is supplied.

The Voice of America is reportedly now sending out a letter to the effect that no more VOA QSL's will be issued to U.S. DX'ers because the volume of reception reports "is diverting staff time from and funds from our basic mission which is to reach audiences in other countries." We suggest that anyone seeking verification from a VOA MN outlet write directly to the engineering staff of the overseas station concerned, since the station personnel have been very cooperative in the past. Let's hope that this turns out to be just a "front office" policy, a la the BEC, The NZDXT Pacific-Asian Log supploment 1-A, dated May, 1967 includes:

530 DZXR, Manila 500 watts
3UL, AN Saturday only
539 Kuwait, 200 kw , AN
$550 \mathrm{KMVI}, \mathrm{CP}$ for 5 kw , s/off 0400
600 HLSA, S. Korea, 500 kw
605 Pyongyang
610 KUAM, Guam, CP for 10 kw
690 KULA applied for call change KKUA

755 Macau, 10 kw
760 Lucknow, India s/off 1530
830 1YX, Whangarei, 2 kw relay
870 KATM , s/off 0430
890 BFRS, Cyprus 7.5 kw
965 Cuttack, India s/off 1505
970 Erunei, 1200 watts
Nhatrang 10 kw

## TALKS AGAINST RADTO ADVERTISEMENTS IN THE DCMINICAN REPUBLTC

> -By CEsar Objİo-

Just after mailing my last article "Dominican Products on the Air" there started some talks at the National Congress about passing a now law in which it is recommended to delete from the air rum and cigarette advertisements.

The supposed new law "under study" asks "to forbid rum, cigar and cigarette advertisements" through radio and TV between 6 asm. and $9 \mathrm{p} . \mathrm{m}$. because during this time there is the opportunity that children, boys and girls will have to listen and watch those ads urging them to smoke and drink all kinds of products and they "ask the opinion of all personalities who wish to speak about this matter, because of the harm that is being done to the Dominican youth in its moral, physical and intellectual education by the use and abuse of alcohol and tobacco, whose sales are increasing greatily due to so much propaganda used."

After this, a hurried meoting was called by leading personalities in Radio, TV and publicity agencies in order to face the problem since those advertisenents are the lifeblood which supports most of radio and $T V$ stations in the country. They said that if the ads are forbidden between the times mentioned, a privilege will be created on behalf of newspapers and magazines, which will be ssen and read by minors.

Instead, they arrived at the conclusion of proposing the following recoimmendations: to forbid the advertisements in the way of free gifts of rum and cigarettes: to forbid contests in which there exists the exchange of labels or bottle caps; to protect the public against ill-intentioned ads such as: inciting the public to drink or smoke; to forbid the use of young people in the presentation of those products; to forbid that popular personalities, such as artists, singers, ball players, etc. be used to present those products; to forbid the presentation of the act of smoking or drinking; to forbid the sale of those products to minors and to create a commssion which will watch for the fulfillment of these recommendations.

## MONITOR REPORTS...

The editor calls your attention to logging of Malaysia on 660, Midway Island on 900 . Nigeria on 1358, Guinea on 1403, and Radio Hauraki on 1485...

* 540 Doninican Republic. HICM, R. ABC. Change of street name from Calle 28 to Anibal Espinosa ( 760 ), In a visit to the station w/Richard Wood, director Jaime Nelson Rodriguez said he is going to answer letters, but he was waiting to have a QSL card made. Be patient, the QSL card will be mailed soon. (Objı́o, D.R.)
550 Costa Pica. Can anyone tell me the exact frequency of R. Progreso, TIJJH, Alajuela?. I am at a loss to explain my consistent reception of thom on about 27540 kes , and while far-fetched, their 50 th harmonic would fall on that freq if the fundamental is up almost to 551. (Hauser, N.M.) Very unlikely, Glenn, since the power radiated in such a high harmonic is very, very slight. Much more likely you have a parasitic oscillation in your mixer or local oscillator . Do you ever hear this during the day, or only at night? (Ed)

570 Colombia. No I didn't hear it again but I did do some research on it. The call jis HJND, Rdfa, Nacional de Columbia, Bogota. This info from JAC's 8/13/66 IDXD soction. (Shacat, Mass.)
590 Alaska. KHAR hrd w/nx and wx 0505 4/10. (Fortzer, Wash., IRCA)
${ }_{* *}^{* * 600}$ Dominican Republic. HI,$~ R$. Unica, Calle Duarte, Castillo, Prov, Duarte, Owner
640 Australia. 5 CK hrd w/much fading $0715-0730 \mathrm{NM} 4 / 17 \mathrm{w} / \mathrm{recorded}$ pop mx and announcer w/very "Australian" accent. Too spotty for report. (Reynolds, Calif., IRCA)
**660 Malaysia. Penang. "R. Malaysia" hrd"w/weak but steady signal on MM 4/17 w/pop mx on criental stringed instruments and vocals by man in lalay language from 0745-0807. At 0800 a woman announced station in Indian, then a marr in Malay, then another man in Chinese. Signal was fairly loud for a few minutes about 0755. I thought I maybe had Taiwan until the 0800 ID, but when I hrd the 3 different languages used. I found a vast difference between Malay and Chinese. A real pleasant surprise for post-sazson DX'ing. (Reynolds, Calif:, TRCA)
764 Senegal. Dakar hrd s/off w/anthem 1900. Arthem ending 1901:15 w/oc till 1901:55. This hrd on 4/26. (Shacat, Mass.)
780 New Zealand. 4 YA in $\mathrm{w} / 6$ pips and TC for $9: 00$ at $0400 \mathrm{MM} 4 / 24$. Then wix immediate ly after IS. (Godwin, Calif., IRCA).
800 Alaska. KLNY W/SSB s/off under CKOK s/off at 0305 on $4 / 10$. (Kesteven, Alb., IRCA) Cuba Reloj Nacional all alone on channel 0230 MM 4/28. (Ed)
818. Unid TA. A very weak one hrd s/off and cut carrier 1900 on 4/26. (Shacat, Mass.) Andorra, Norm. (Ed)
836 Spain. ECS5, L.V. de Granada hrd $19073 / 31 \mathrm{w} / \mathrm{classical} m x$ until s/off 1930. Fair signal w/moderate QRM from EFJ51. (Weber, England, IRCA) Probably yours, Een D. (Ed)
860. HISD, Servicio Cultural de R. Television Dominicana. 1200-2200 daily except Sundays. (Objío, D.R.)
**880 Peru. OBX4N, Radio Union, Lima in weakly w/4 note IS prior to s/on $0555 \mathrm{NM} 4 / 24$.
** Is now 10 kw , but will soon go 50 kw according to QSL: (Godwin, Calif., IRCA)
885 Nicaragua, Definitely the best from that country, YNKiN good from 2130-2200 w/ $R \& R$, ID's between songs, and many TC's as "La hora de Libertad...". (Shacat, Mass.)
**900 Midway Island. WMTH in readably w/R\&R show MI 4/17 0518-0635. Had AFRS mx thru
** 0613 , then definite call ID. TC's at 0624 and 0635 , even tho XEN on top. Some
** CHML QRM prior to 0600. Reported. (Godwin, Calif., IRCA)
Alaska KFRB s/off $05004 / 10 \mathrm{w} /$ instrumental SSB . (Godwin, Calif.., IRCA) South Korea. HLKV w/nx in Korean MM 4/10 at 0800 amidst much QRNV. (Reynolds)
910 Thailand. According to WRTVH, they use 1 kw on this channel for their North American Service at 2315-0015. How's that for audacity? They even have a hard time making it on SiW. (Hauser, N.M.) Wonder how many reports they've gotten?
**938 Colombia. HJAF. Emisora Fuentes, Cartagena drifts here again. (Silvera, Jam.)
**995 Ecuador. HCEN-2 now back here, very strong signal. (Silvera, Jamaica)
1030 China. Kweiyang JiKT hrd MM $4 / 170825 \mathrm{w} / \mathrm{man}$ making speech in Chinese w/lots of cheering. Also hrd MM $4 / 10 \mathrm{w} /$ strange oriental language at exactly same time. (Godwin and Reynolds, Calif.)
Argentina. IS10, R. Libertad $100 \%$ readable $03040312 \mathrm{w} / \mathrm{XERR}$ looped out on MM $4 / 29$ for best recoption of this one yet. Woman announcer. (Ed).
1080 Puerto Rico. WLEY, Cayey hrd u/KRLD w/ID's at 0411; pgm of nx and mx hrd $4 / 5$. (Silvera, Jamaica)
1106 Germany. AFN, Munich s/on $0000 / / 872 \mathrm{w} / \mathrm{DJ}$ show and top 40 music; time and temp spots often, movie spots, etc. Some Russian QRM on 1106. (Bugaj; Morocco)
1120 China. Noted in Russian $05164 / 10$, mentioning America and North Vietham. (Feterson, Calif..,IRCA)
1150 Colombia. HJFI, Pregones del Quindio, Armenia quite weak at $18504 / 26$; "CARACOL" sports report. (Silvera, Jamaica)
1178 Egypt. Hrd here $4 / 102145$ on a clear channel w/chanting. (Bugaj, Morocco) Ckinawa. VOA in weak at 0752, 4/24; but was in much better in chinese at 0808. (Peterson, Calif.. IRCA)

1187 Hungary：Szolnoc o／u Caroline $4 / 10$ at 2145．（Bugaj，Morocco）
＊＊1194 Cuba．CMJP，Ciego de Avila is the one here down from 1190．（Silvera，Jamaima）
1200 New Zealand．2XA probably the DU w／play 0515 and several tones at 0530 ．Not geod enough for log．Great NZ AM．（Godwin，Calif．，IRCA）
1235 Bermuda．ZEM1 very clear from $2250-2259$ on $4 / 18 \mathrm{w} /$ mixture of classical mx and R\＆R．ID as，＂This is ZEM1，the pioneer in broadcacting in Bermuda．＂Time then given and just before nx ID as，＂This is the Bermuda Broadcast，System．＂（Shacat， Mass．）
1240 Dominican Republic．HICV，Ro Rarahona．Calle Padre Eill Lini．esq．Anacaona，Aptdo \＃25，Barahona．Cwner：Fodolfo Lama Jaar．Operates 0600－2200 daily except，Sun． 700 watts．（Cbji゙o，D．R．）
1268 Canary Islands．Radio Popular de Gran Canaria on is reportedly hrd in Central Europe at 1800，with full ID hrd at 1830．Not listed in WRTVH．（RNYWW）
＊＊${ }^{*} 358$ Nigeria．Ibadan logged for the first time this season $2355-0021$ on $5 / 12$ with the best signals ever noted from this station； $1.00 \%$ readable at times in spite of bad QRN．Highlife music and man announcer noted past 0000 ．This one definitely announced as the＂National Service＂at 0010，so is not the West Regional pgrm as listed in WRTVH．This one is a best bet now that the channel is empty of other TA＇s．（Ed）
$\$ 1370$ Dominican Republic．R．Horizonte，Santo Domingo to move here from 1380 per announcements．（Silvera，Jamaica）
Unid．EE newscast pretty strong at 0438 MM 4／24．Maybe NHK Japan or 2XP．A strange time for a newscast in New Zealand，tho I think．（Godwin，Calif．，IRCA）
＊＊1403．Guinea．Conakry noted w／best signals ever hrd 0105－0116 in French．About $40 \%$ readable at best，and severe static．Watch for this．when 1358 is in．（Ed）．
＊＊1440 Dominican Republic．HTFS，R．Rahia，Nagua．（only info available）（Objio，D．R．） $* * 1485$ International Waters．Radio Hauraki is the one hrd $4 / 17$ ，and had goci signals iM $4 / 240330$ 0500．Frequent TC＇s and mention of NZ，w／Hauraki ID at 0442．Pgm was all R\＆R．Reported．Rich Heald in Sitka hrd this one on $1480 \mathrm{Mi} 4 / 10$ and noted in NZ as low as 1477 ．（Godwin，Calif．，IRCA）
1490 Hawaid．Krof s／off 0405 MM 4／24．Weak and not hrd for quite a while previously． （Gcdwin，Calif．，IRCA）
1510 Austreliag．2NA was the strongest Aussie noted 4／24，in quite well at 0405．No signs of it $5 / 1$ though．（Godwin，Calif．，IRCA）
1520 Czechoslovakia．CS1 hrd $4 / 102125$ clobbering WKEN all morning，but KB was giving them a hard time， 40 db ．Usually oc w／tone on and off．（Bugaj，Morocco）
＊＊1540 Cojombia．HJBV，R．Canca，Turbaco now moved here from 1506 to fit new HJ ＊＊pattern．（Silvera，Jemaica）

1550 Costa Rica．TICCK，R．Cima，Cuidad Quesada hrd at $20204 / 15 \mathrm{w} /$ sports pgm ． （Silvera，Jamaica）
＊＊ 1580 Dominican Republic．R．SamanA，Address：Barrio 1 ilmore，Samaná．Director： Franklin del Toro．Apartado 124．Operates 0600－2200 daily except Sundays with 1 kw．（Objlo，Dominican Republic）
VERIFICATIONS．．．
620 MEXICO．XENK，R．6．20．Pleasant letter from Victor Blanco Rodriguez，Director－ Gerente．Balderas 32， 4 piso．（Wood，Indiana）
660 COLCMBIA．R．Tunja，Tunja（Boyacd）sent view card w／full datails in SS for ＂1120 kilosoclos＂．Signed by illegible Gerente．（Wood，Ind．）
670 ARGENTINA．LU9，R．Mar de Plata，Mar de Plata sent nice long v／I in EE giving definite verification of taped report of Feb．27th．Sent gold pennant and some huge postcards of Mar de Plata，also newspaper elipping in which my report was featured．V／s Evaristo Marin Palmero，Director．QTH：Cordoba 1861－65．（Silvera）
715 HONDURAS．HRTV verified by Guadalupe de Murillo，Apartado．734，Tegucigalpa． （Morss，Mass．）
755 PORTUGAL．Lisbon QSLed w／beautiful extra large v／q，in 1 month via airmail for 1 TRC．（Vitalaro，Mass．）
818 EGYPT．Batra in a month w／a colorful v／q and a 2 page pgm sked，by airmail for a single IRC．（Vitalaro，Mass．）

818 ANDORRA. Verified with a colorful picture postcard, 4 travel folders, pgm skeds and returned my tape for 1 IRC. Took $3 \frac{1}{2}$ montlis, (Vitalaro, Mess.)
830 ARGENTINA, IT8, R. Rosario, Rosario sont verie typed on postcard signed by Amadeo Francisco Vitola, Director; :very specific as to time and date. QTH: Cordoba 1825. (Silvera, Jamaica) :
MEXICO. XELA, Buena Música en México. Ity report returned undeliverable at WRTVH address. Anyone know new address? (Wood, Ind.)
836 SPAIN. EFJ51, Huelva verified w/letter signed by Charles Hidalgo, Directora He was apologetic for taking so long to QSL; my 16th Spaniard, a very nice verie, and very glad to get it. (Gustafson, Ill.)
945 ECUADOR. HCDE2, R. Ifesa $v / 1$ from Camilio O. Andrade Granda, Administrator. Says that their 1 kw xmitter was made in their own factory in Ecuador which is a very large manufacturing firm. He goes on to say that they have been well received in the U.S. so they are thinking of boosting power to 5 kw . (Gustafson, Ill.)
990 MEXICO: El Pregonero del Norte, Nonterrey, N.L., sent Ietter and beautirill pennant. My first Mexican pennant, 204th in all. Ing. Jesús Orozco A.i. Gerente General, Apartado Fostal 203. (Wood, Ind.)
1125 COSTA RICA. TISRHB, R. Popular a "no esta conpletamente" letter like Clarence Freeman's, gives SW freq but says details are correct - no pennant here though. (Morss, Mass.)
1130 VENEZURIA. YVNA, Ondas de Ios Medanos, Coro sent definite v/l signed by R.J. Oberto Mármel, Director, QTH: Edificio Don Beto, Calle Bolivar, Coro. (Silvera)
1169 INTERNATIONAL WATERS. R. Caroline North snet poorly worded QSL card. It lists both Caroline stations and simply says "Many thanks for your reception report". However it is obviously intended as a QSL card and I am counting it as such, especially as (1) it bears an Isle of Man postmark, and (2) my report to them, for reasons previousiy noted, program items from both stations. (Stanbury, onta) (-??? We always thought that the basic idea of a verification was for the station to actually confirm the fact that you had indeed heard the station. Where do postmarks come in, Stan? Ed)
1175 EL SALVADOR, La Voz del Pacffico, Sonsonate. Letter from Vilma Etelia Herrera, Secretaria Administradora. 3a. C. O. no. 19. In rather illiterate Spanish. Is key station of Cadena de Enisoras Departmentales, along with YSCG-1210, 2acatecoluca and YSCD 890 , Santiago de Maria. All are 1 kw . (Wood, Ind.)
1187 INTERNATIONAL WATERS. R. Caroline South sent fine QSL letter signed by Mrs. Jean Dale, for Paul Dale, Engineering Department. (Stanbury, Cnt,)
1340 BERIMDA. ZEM2 sent picture post card of the 96 ft . brigantine Yankee from Wes Sutton - Programme Director. Verie back 2 weeks after f/up sent. (Shecat, Mass:)
1466 MONACO. R. Monte Carlo QSLed after 3 months for country \# 20. (Vitalaro; Mass., )
1515 COLOMBIA. HJIQ sent a nice letter in SS, along w/2 pennants. Sigrer is Cristina M. Castro, Secretaria. Took just over a month via aimmail. for 1 IRC. (Vitalaro)

1520 PERU. OEX4D, Lima sent friendly v/I, quite specific, for f/up to $11 / 14 / 66$ report of election returns. V/s Jorge TorresmLara A., Director-Gerente. QTH: Jiron Ocona No. 484; 20. Piso. (Godwin, Calif., IRCA)
1554 FRANCE. ORTF sent letter in EE in a month via seamail. Letter from J.F. Fabrem. Chef des Services Artistiques. Reported in EE and FF. (Shacat, Mass.)
1586 GRRMANY. Westdeutscher Rundfunk by $f / 1$ and a colorful and specific card in just over a month. (Vitalaro, Mass.)

EANDOMNESS... Many thanks to all of you who expressed sympathy and concern while we were ill... It, turned out to be a bad case of mononucleosis and we're feeling much better now... We!d like to extend our best wishes to veteran IDXD reporters Richard Wood, now on an extended research visit to the Netherlands West Indies, and John Hoogerheide, whol's just begun a 3 year business stay in Santiago, Chile.a.: And congratulations to Tom Holmes on his forthcoming June wedding... Had a very nice visit from longtime NRC'er Carl Parsons recentiy... Oops, credit sharp-eyed Yankee Stan Morss wi.th spotting my accidental substitution of local personality Edward Snow's name for Edgar Snow's in the China article... Good sumer DX and be certain to drop in for a visit if you're passing through Boston...

Admiral Nelson

After the arguments held by Radio Nacional (1060 in Santo Domingo) and Rediorama with the Dirección General de Telecomunicaciones last year the matter came to a standstill. Then R. Nacional started again with test transmissions at the beginning of the year.

Later there comes the news that "A radio station is assaulted and transmitters destroyed". The station is R. Nacional and according to the news this is the other case (given to the press by the operator in care of the transmitters):
"In the night of March 29th, after $110^{\prime}$ clock when the station has ended the tests of the day and the the transmitter had signed off, one car arrives at the place with two persons, one of them, visibly drunk, threatens the operator with a gun, the driver comes out with a machine gun and holds him with his hands up while the first man starts destroying the equipment, finally the crystals are taken off the transmitter and the two men leave the place without a shot being fired.".

The Government designated a Commission to investigate the case and this is the result:

The man who went to the R. Nacional transmitter that night was the Director General de Telecomunicaciones. There is no sign of violence in the transmitters except that the crystals were taken away. The owner of $R$. Nacional does not have permission to operate the station, he only had a test permission which lasted until November 10, 1966, and consequently is void. The Commission adds that although they recognize that the Director General is legally authorized to inspect any radio station in the country so that they work according to the rules, they do not understand why he did visit the station at such an unusual time, since the station had been working in the day also and that visit should have been paid in broad daylight. Othor things mentioned is that $R$. Nacional has been requesting the permission to operate but it has been denied because there is another station to operate very close to this one (supposed to be Radiorama).

The operator in care of the transmitters then said that the Director General did not use a gun or any other weapon against him that night and that his statement given to the press at the time was false,

The owner of R. Nacional says that he has been asking the licence for a long time but it has been denied to him only because of political reasons and adds that he has invested money in this enterprise and until now it has not been permitted to operate. The Director General says that his denial is soley based on technical reasons according to the international agreements that our country has signed. The Commission presented the report and says that the final word will be said by the Government, After this incident Radio Nacional has not been heard anymore. -30-

RF amplifier plans available. Forced to use a short antenna due to space restrictions? Not enough signal pickup from your loop? Then what you need is a field-effect transistor RF amplifier. We've designed and tested a very simple circuit based on the new Fairchild "cheap" (about 70申) FET that fills the bill very nicely: more than 20 db of gain (aboost of more than 4 S units), extremely low noise (much quieter than a vacuum tube amplifier), and, best of all, high resistance to cross-modulation to reduce spurious responses, When used with a loop antenna, the high input impedance of the amplifier results in higher loop Q's and sharper loop tuning, All this from 1 transistor, 3 resistors, 2 capacitors and a batteryl Anyone interested in trying out one of these FET amplifiers (still too new to be incorporated in any communications receiver that wo know of) can just send us a SASE for plans and details.

## SUMMER RECEPTION ON THE BROADCAST BAND

Broadcast band DXting, like many other hobbies, has accumulated a considerable body of expertise that is all too of ten simply taken for granted. Summertime DX is a good case in point. As early as the $1920^{\prime} \mathrm{s}$, North American MW DX'ers quitted the BCB dials in droves during May, not to return until "the $D X$ season began again" in September And in a very real sense, the old $\begin{gathered}\text { timers were right - most if not all of }\end{gathered}$ the stations that were well received during the winter were in fact inaudible during the static-laden summer months. And so MW DX'ing, especially for foreign stations, all but vanished during the summer months, to be replaced by conventions, golf, and horseshoes.

Then, during the early $1960^{\prime}$ s, a handfull of Western DX'ers began to realize that many of the stations South of the Equator, especially DU's and Deep South Americans, were received if anything better during the midsummer months. Since that time many fino South American loggings have been reported by those Western DX'ers who were willing to brave the summer static. But, because these Western receptions depended in part upon the dawn-induced fadeout of the Eastern clear channel stations, there was still no motivation for the East Coast DX'ers to tackle the sumer static.

In 1965, while developing the so-called "E20" computer program for the prediction of dawn-induced fadeout times, the editor began to realize that there were compelling technical reasons to suspect that reception from West. East and South Africa should be highly favored during the summer months. With the aid of the E20 predictions of fadeout times, we have been able to confirm these expectations with frequent midsummer loggings of stations in Botswana, Mozambique, Tanzania, Nigeria, etc. As the smaller African nations continue to install high powered MW outlets, more and more of these rare countries will become possible during the summer months.

The basic pattern of seasonal variation in reception from Europe and Africa is very simple and is outlined on the next page. Since, to a first approximation, the fadeout time of a weak TA signal coincides with dawn at the transmitting site (E20 times are almost always within 30 minutes of the time of transmitter site dawn), the most important factor controlling seasonal variation of reception is the orientation of the light-dark or shadow boundary. As the shadow boundary moves Westward (or, to be more precise; as the earth turns into daylight), various geographical areas fade out in a particular order depending upon the orientation of the boundary, which in turn depends upon the date. The diagrams on the next page explain why Lourenco Marques, Mozambique remains audible for some 20 minutes after FNE, Barcelona on 737 has faded out during midsummer. The Westward tilt of the shadow boundary during the summer months also illustrates why late reception of European sta tions is impossible, and Why the African stations by and large remain perfectly free of European QRM during that season. The diagrams on the next page are not exact, and are meant only as illustrative examples. The shadow boundary actually follows the curve of a great circle, and thus cannot be represented by a straight line on "nice" map. At solstice, the exact figure of the shadow boundary can easily be represented by a taut string on a globe which makes an angle of $23 \frac{1}{2}$ degrees with the Equator. West Coast summer receptions from Deep South Mmerica are easily visualized by merely moving the shadow boundary further. to the West.

East Coast DX'ers trying for summer Africans need considerable patience. Since the distance is considerably greator than to the usual European $\mathrm{TA}^{\prime} \mathrm{s}$ ( 8000 miles to Mozambique vs. 4000 to Vienna), the African signals tond to be rather weak. This, combined with the increased sumer noise level and local static, tends to make these stations a real challenge to the North American DX'er.

Most if not all of the summertime DU and Deep South American stations (with the exception of a few of the Anters) haven't made it further East than the Panhandle of Texas. The Africans, because of the factors mentioned above, probably will not be heard. very far to the West, and thus should be considered as primarily East Coast catches. A few have made it to the Midwest, however, Mali to Ohio and Nigeria to Illinois, so the inland situation is not totally hopeless.

## MIDWINTER

2330 on the day of the winter solstice, December 21. On this date the shadow boundary reaches its greatest Eastward tilt, thus leaving a full darkness path to Europe as far East as Moscow at 2330. East Africa has been in daylight for several hours at this time, making reception impossible. As the shadow boundary moves toward the West, Western Europe remains in darkness even after dawn-induced fadeout has occurred in West Africa. As the season advances, the shadow boundary tilt is reduced daily as the Equinox is reached.


## ERUTNOX

2330 on the day of the Equinox, either March 21st or September 23rd. On these dates the light-dark boundary is oriented directly North-South. As the shadow boundary moves West, East Africa and East Europe first fade out, followed by most of West Africa and Central Europe. As the season advances into summer, the shadow boundary tilts increasingly to the West, reaching its extreme orientation during midsummer.


## MIDSUMMRR

2330 on the day of the summer solstice, June 21st. The shadow boundary is now at its maximum Westward tilt. As the boundary moves toward the West, dawn first occurs in Europe. Ey 2330 all but Easternmost Europe is in daylight, whereas a full daydarkness path from most of Africa to North America remains open. Dawn-induced fadeout occurs in Barcelona some 20 minutes before it occurs in Mozambique, thus leaving Lourenco Marques clear on 737. Within an hour, all Europeans have faded out, leavin, the African stations alone on the TA channels. Stations in West Africa remain audible long after the Europeans have faded out.

The following is a guide to aid in the logging of those rare DX catchs favored during the summer months. Generally speaking, most of Deep SA's will be logged only in the Western half of the continent, while African reception will be limited to the East. *indicates a good bet, ** a best bet, and \# indicates that the station has not yet been logged in No, America. Inx to Randy Seaver for the excellent. South American. list from IRCA.

| 660 | *CB66 | 50 kw | Santiago | R. Chilena | s/on 0600-0613 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 670 | Lu9 | 25kw | Mar del Plata | R. Mar del Plata | 0300-0330 (AN?) |
| 680 | *CP34 | 5kw | La Paz | R. Mendez | $0400-0500$ |
| 700 | HCJB | 50 kw | Quito | (Unid Argentine) La Voz de los Andes | $0400-0410$ $0530-0600$ |
| 705 | CB69 | 10 kw | Santiago | R. Santiago | s/on 0555 |
| 730 | LRA3 | 20 kw | Santa Rosa | R. Nacional | 0324-0350 |
|  | CX10 | 5kw. | Montevideo | R. Ariel | AN? :- |
|  | CB73 | 10 kw | Valparaiso | La Voz de Chile | 0559-0613 |
|  | \#CP27 | 5 kw | La Paz | R. La Cruz del Sur | s/on 0600 |
| 760 | *CE76 | 75 kw . | Santiago | La Voz de Chile | 0533-0630 |
| 780 | *OAX 4 X | 10 kw . | Lima | R. Victoria | s/on 0558-0610 |
|  | LV8 | 10kw | Mendoza | R. Iibertador | 0405-0422 |
| 790 | LR6 | 50 kw | Buenos hires | R. Mitre | 0420-0445 |
| 820 | LU2 | 10 kw | Bahia Blanca | F. Bahia Blanca | 0541-0600 |
|  | 4 CB 82 | 1 kw | Santiago | R. de; Pacifico | AN |
| 830 | *LT8 | 10 kw | Rosario | R. Rosario | 0330-0457 |
|  | LV9 | 10 kw | Salta | R. Guemes | around 0400 |
| 840 | **CB84 | 10 kw | Valparaiso | R. Portales | 0530-0604 (3 gong IS) |
| 850 | *CX16 | 50kw | Montevideo | R. Carve | 0427-0540 |
| 854 | $0 \times 14$ | 20 kw | Lima | R. Nacional | s/on 0604. |
| 880 | **OES 4 N | 10kw | Lima | R. Union | s/on 0555-0620 (4 note. Is) |
| 900 |  |  |  | (Unid Argentine) | 0430 |
| 950 | *IRJ | 100 kw | Buenos Aires | R. Belgrano | 0345-0415 |
| 1020 | **CF4 | 20kw | La Paz | Emisora del Estado | 0527-0551 |
|  | ZP14 | 5 kw | Asuncion | R. Nanduti | s/on 0430 |
| 1030 | **IS10. | 25 kw | Buenos Aires | R. Libertad | AN |
| 1060 | CB106 | 100kw | Santiago | R. Sociedad Nacional de Mineria | 0600-0625 |
| 1140 | *CB1 14 | 50kw | Santiago | R. Corporation | 0517-0537(no longer AN) |
| 1160 | *OAX1K | 2kw | Tumbes | R. Nacional | s/on 0601-0624 |
| 1180 | **CB118 | 50 kw | Santiago | R. Portales | s/on 0530-0630 (3 gong IS) |
| 1200 | LU3 | 10kw | Bahia Blanca | R. del Sur | 0542-0601 |

917 100kw \#Mozambique
611 100kw *\#Kenya

AN

| 638 | 100 kw |
| ---: | ---: |
| 1286 | 2 kw |
| Tanzania |  |
| S. Africa |  |

$$
728 \text { 50kw *\#Uganda }
$$

74620 kw \#Zambia s/on 2245; Sun 0000
764 10kw Malawi s/on 2245
126850 kw \#Kenya. s/on 2245; Sun 0000
926 50kw Botswana.
737 50kw **Mozambique
1088 10kw Nigeria
1358 10kw **Nigeria
1484 4kw Congo (B)
s/on 2300
s/on 2330
s/on 2330; Sun 0000

1475 1kw Dahomey s/on 0000; Sun 0200
1200 10kN **Sierra Leone
1268 4kw Mali. s/on 0100
1403 4kw **Guinea
650 10kw Liberia

Rnglish and Afrikaans
Swahili
Vernacular/commercial
English commercial
English
Vernacular
Hindi
BBC English relay, jammed
Portugese
English
English National Service
French/Vernacular
French
English/Vernacular
French
French. may be high power
French/Vernacular
English

| DXex | Location |  |  |  | Foroim | South America Bost |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H. Tyndald | Vormont | 166 | VAC | 6635 | 1615 | 268 | ZP-9 |  |
| A. Slator | Encland | 123 |  | 452 | 444 | 35 | 2P-10 | Paraguay |
| B. Dangorfield | Pomsylvania | 104 | VAC | 395 | 326 | 40 | ZP-14 |  |
| R. Andorson | Virginia | 96 | VAC | 1431 | 416 | 78 | HC2TA |  |
| H. Holbrool*** | Maryland | 94 | VAC | 2209 | 669 | 88 | ZYB-5 | 1270 1k |
| H. Gustafson | Illinoia | 89 | VAC | 811 | 267 | 30 | CX-16 | 850 10k |
| H. Robie | Mascachusetts | 81 |  | 252 | 138 | 14 | LRA |  |
| B. Botzun** | Pennsylvania | 72 | VAC | 4475 | 700 | 85 | CX-2.6 | 1050215 |
| A. Merriman | Virginia | 71 | VAC | 931 | 175 | 6 | PRH9 | 840 |
| R. Millax | Mashington | 65 | VAC | 1705 | 429 | 25 | LSII 1 | 1270 |
| G. Calkin | N. B., Canada | 63 |  | 378 | 238 | 23 | Rosuceso | so, Ecuador |
| C. Froeman ${ }^{*}$ | California | 58 | VAC | 1213 | 296. | 19 | PRG-8 1 | 1040 |
| W. Millis** | California | 55 | VAC | 826 | 165 | 19 | CP-27 | 730 |
| A . Rugs | Que., Canada | 5.3 |  | 1327 | 1150 | 41 | CB-73 | 730 |
| R. Hoore | Massachusetts | 53 |  | 81 | 79 | 9 | 2YD-8 | 820 5k |
| G. Allen | California | 52 | VAC | 2568 | 456 | 26. | LR-5 |  |
| 耳. Maguixe | New Mexico | 51 | VAC | 2836 | 389 | 16 | HJIABN | 1190250 m |
| S. Drake | Pennsylvania | 51 | VAC | 2187 | 278 | 9 | HCRG-1 | 1145400 w |
| J. Callaman | Massachusetts | 49 | VAC | 738 | 136 | 20 | HCFV-1 | 805 7.25k |
| W. Routzhan | Ponnsylvania | 46 |  | 3036 | 361 | 36 | LR-1 |  |
| B. Nittler | Colorado | 37 | VAC | 2260 | 175 | 16 | LT8 | 830 |
| R. Sperry | Conncticut | 37 |  | 1558 | 225 | 14 | CX-28 |  |
| R. Leamy | Pomsylvania | 37 |  | 287 | 95 | 4 | HCJB | 700 |
| J. Conrad | Kontuoky | 36 |  | 554 | 86 | 3 | PJB | 800 |
| J. Koene | Texas | 35 | VAC | 133 | 47 | 6 | HCPM-1 | 565750 w |
| G. Scrimgeour | California | 33 |  | 362 | 146 | 5 | CP-34 | 10k |
| H. Williams* | Conncoticut | 32 |  | 2392 |  |  |  |  |
| R. Palmer | Illinois | 32 |  | 750 | 89 | 6 | YVLL | 67010 k |
| W. Stone | Ont. . Canada. | 29 |  | 2776 | 2459 | 24 | CB-73 | 730 |
| J. Weff | New Yorls | 28 | VAC | 227 | 75 | 4 | R. Trin | nidad |
| E. Johnson | Illinois | 27 |  | 2700. | 272 | 12 | OAX4A |  |
| J. Starr | Obio | 25 |  | 360 | 58 | ? | HJBI | 840 |
| F. Wheoler | Pennsylvania | 23 |  | 1567 | 73 | 8 | PRF-3 |  |
| S. Stoele | Illinois | 22 |  | 2678 | 263 | 9 | CX-26 |  |
| B. Vatalaro | Massachusetts | 19 |  | 185 | 23 | ? | HJLQ | 1515 |
| İ. Lehmer | Iowe | 18 |  | 575 | 71 | 2 | HJBI | 840 |
| F. Curran | Pennsylvania | 18 |  | 172 | 29 | - |  |  |
| B. Raczko | Ohio. | 16 |  | 204 | 16 | 3 | R. Trin | nidad 730 |
| L. Kruse | Iova | 15 |  | 3907 | 77 | 3 | HCJB |  |
| B. Karchovski | Massachusetto | 15 |  | 473. | 110 | 4 | HJIQ |  |
| B. Reynolds | Missouri | 14 |  | 393 | 41 | 3 | R. Trin | nidad 730 |
| No Shacat | Massachusetts | 11 |  | 128 | 27 | 3 | YVRQ | 910 |
| W. Hoinon | New York | 10 |  | 321 | 63 | 1 | HJGE | 1030 |
| T. Davisson | Ohio | 9 |  | 335 | 35 | 1 | R. Trin | nidad |
| M. Northam | Orogon | 9 |  | 175 | 40 | 2 | HJBI | 840 |
| R. Edmunds | New York | 8 |  | 188 | 42 | 1 | PJB |  |
| G. Seniro ** | New Jersey | 7 |  | 87 | 13 | 1 | PJB | 800 |
| D. Shoaf** | Teras | 5 |  | 337 | 14 | - |  |  |
| R. Hays** | Kentucky | 5 |  | 149 | 5 | 2 | YVLX | 560 |
| W. Campbeil** | New Yorls | 4 |  | 394 | 4 |  |  |  |
| T. Haxtloff | New York | 4 |  | 155 | 23 | I | PJB | 800 |
| B. Campbell | Texas | 4 |  | 35. | 4 | - |  |  |
| A. Casamassima* | New York | 3 |  | 124 | 13 | 1 | PJB | 800 |

A lot of members fill be dropped from the standings unless they bring their totals up to date. Nolcome to Shecat and Vatelaro. Next time, bost North American DX. NOTE:. There will not be a June issue of Supremacy Ratings. Next column in July. Have a good summer. Aloha, Norm.

