

Foreign Membership
\$1.75 per year

Headquarters
317 East 10th St.,
Erie Penna

Issued Weekly
\$1.75 per year.

We welcome the following new members and renewals: Bill Stone
Toronto Ont; Hans Jacobson-Buffalo N.Y., Ken Knutson-Frazee Mich., Ed
Backman-Englewood N.J., Jack Horner-Elizabethtown Penna., Merton Hiatt
Dryden Wash., Pat Reilly-Jamestown N.Y., Ed Feichtner-Erie Penna., Keith
Kilton-Monticello Ill.

--NEW STATIONS AND CALLS--

KBKR Baker Oregon	1500 kc 100w	KYCA Prescott Ariz	1500 kc 100w
KFAR Fair Banks Alaska	610 kc 1kw	WCOV Montgomery Ala	1210 kc 100w
KTFL Tulsa Oklahoma	1310 kc 250w	KVIC Victoria Texas	1310 kc 100w
KWFT Wichita Falls Tex	620 kc 250w	KBND Bend Oregon	1310 kc 100w
	KROD El Paso Texas	1500 Kc	100w.

We are pleased to pass on the latest corrections in the monthly
frequency checks schedule. These changes are current to July 27th.

Add-Monday	4:10-4:25 EST	KDNT	1420 kcs.	Denton Texas
" " "	4:15-4:30 EST	KPAB	1500 kcs.	Laredo Texas
Add Tuesday	3:55-4:10 EST	KWOC	1310 kcs.	Popular Bluff Mo
" " "	4:35-4:50 EST	WSGN	1310 kcs.	Birmingham Ala
" " "	6:55-7:10 EST	KWLK	780 kcs.	Longview Wash
Add Wednesday	4:05-4:20 EST	WGIL	1500 kcs.	Galesburg Ill
Add Thursday	4:10-4:25 EST	WGRM	1210 kcs.	Grenada Mass.
Add Saturday	3:30-3:45 EST	WTOL	1200 kcs.	Toledo Ohio
" " "	5:05-5:20 EST	WHBQ	1370 kcs.	Memphis Tenn.

The following are no longer required to check frequency: WABI, Ban-
gor Me., WDBO, Orlando Fla., and KGVO, Missoula, Montana.

The station in Tulsa Oklahoma is listed as KTFL but we believe that
this station will go on the air as KOCW, 1310 kcs., 250 watts daytime only.

--FCC Chatter--

West Virginia--The commission granted application for a new station
at Charleston to operate on 1500 kc with 100 watts.

North Carolina-- The commish granted a new station for New Bern to
operate on 1500 kc with 100 watts.

Washington--A new station was granted for Vancouver Wash., to operate
on 880 kc with 250 watts, daytime only.

Louisiana--New station for Gretna, to operate on 1370 kc., with 100
watts night and 250 watts days.

Toronto July 26. Erection of a new 50,000 watt tower to serve the Prairie
Provinces has been authorized by Hon. C.D. Howe. Minister of Transport
and Communications. Federal engineers have left to study suggested
station sites in Saskatchewan.

--IDA SPECIAL--

RNE, Moscow U.S.S.R.: August 28th, 1938 from 7:00 P.M. to 8:00 P.M.
EST. Michael C. Michaelson of Minneapolis arranged this program and will
feature a special transcription made by him for this broadcast.

Our very good friend and member+ Ernest Law-10439, 69th Ave., Edmon-
ton Alberta. Is on the sick list, and is confined in bed. Lets all drop
him a card or letter. Ernest says that he has his Radio moved over by
the bed and has been doing a little DX'ing. (Cont on Page 12)

Richard Cooper-Kittanning Penna. Dick sends in his latest veries and catches. Latest veries here are KCEK, WBRE, KITE, WTAM, WLW, WHEC, KPLC, KCRC, KLZ, WOAI, WLLH, WSYR, WKAT, KDON and last but no means least KELO. KPLC verified with swell letter as did KDON WHEC, KCRC, KLZ, WLLH, WSYR, WTAM and WLW. Cards from WKAT, KGEK, KRIC and KITE all worthwhile having. Novelty folder from WOAI. KELO say "your report is the most distance this station has ever received. We have been on the air for nearly a year." KDON tell us that they usually do not verify but the engineer took pity on the poor DX'er that had been writing him for the past six months. (MERCHANDISING again, Hi). KPLC came thru with very nice letter after six reports in two years. Almost knocked us over to receive it. WALA returned prepared card for the first station that we have had to resort to this means of verification. Reports out to WGY, WSB, WLAK, KATE, WHIP, WFPM, CBF and several others. Just lack three of five hundred. KRIC logged on the 17th.

Ed Feichtner-Erie Penna. I started DX'ing this month for the first time in 2 years. I met a bunch of fine DX'ers at the Convention here this summer. After meeting all of the boys and having a grand time, and a good old DX talk, it inspired me so much that I didnt wait till fall to start DX'ing, but started with the July FCC Checks and manage to pick up 18 new ones. The best were WFOY. Summer static and electric interference was heavy, but I did manage later in the month to pick up KRIC, KPLT and WGIL. WGIL is on the FCC Check on the 2nd Wed. 4:05-4:20 EST. WGRC is on a test program from 1:30 to 2:00 CST, on August 4th., this may be a monthly test on the first Thursday.

Pat Reilley-Jamestown N.Y. Pats sends in a little report since July 1st, New veries are KRIC, KITE and the only other new one heard was KYSM who have not verified yet. Stations with election returns were heard on July 13th from Oklahoma, July 20 from Montana and July 24th from Texas. KYSM is on daily untill 2 A.M. EST QRM'ing WJBK on 1500 keys. Weather has been very bad because of electrical storms and 70 to 72 degrees about 2 A.M. daily and some mornings too noisy to DX at all. TGW can be heard on 1520 till 1 A.M. with a very good signal. The Mexican on 1110 hasnt been identified yet, they are on several mornings a week all night. WAAB hasnt been on for some time, on their all-night programs. The old log stands at 996 verified with 9 reports still out yet. Some more late news from "Pat" Pat says that WHLS was testing August 4th on 1370 kcs, it was very noisy, (another note of interest) Pat says that the west coast is coming in with good volume. KRE was very good Monday August 1st at sign off time at 3 A.M.. XELO is still on 670 keys, as I heard them today (August 4th) Who is the mex on 1160 lately, till about 3:10 A.M., too weak to catch a call and I have only heard spick used and no English.

Joe Becker-Hamilton Ohio. Joe writes that the ole SWL game goes merrly on, so far since May 17, 1938 I have sent out 1091 Cards, and have received 517 in return. (It looks like Joe will manage to stay on top, and it will not be sugar this time.) Joe says DX'ing has not been so hot, (How about the weather) heard one Sunday A.M. July 31, which may have been KSUB between 2:40 and 2:58 A.M. EST. During July I heard 3 new ones, KITE, KRIC, and KYSM, nothing new during August so far.

Lets hear from some more of you BCB boys, send in your reports, let us now how many stations you have verified, and what you would like to have in the BCB column this coming DX season. So come on with your reports. Yes you can DX during the summer, Hi. We have a few summer DX'ers.

Bill Stone-Toronto Ont. Sends in some very interesting news. WLLH, Lowell Mass, tests the FIRST FRIDAY of the month, from (130) one-thirty, to (200) two A.M. EST. They will verify all correct reports of reception, providing return postage is enclosed with report. Address letters to: William B. MacDonald, Chief Engineer, Radio Station WLLH, Lowell Mass. Note: Although WLLH has two synchronized transmitters, one in Lowell, and one in Lawrence Mass., only the transmitter located at Lowell is used for test purposes.

KITE, Kansas City Missouri, writes to Bill the following letter: We are actively going to verify all reports of reception, submitted to us by DX listeners, during the coming season. A number of special after-midnight programs are planned, which should make this station a good catch for the DX'ers. Signed Everett L. Dillard-Technical Director, KITE.

--SPECIAL NOTICE--

Bill Stone-The CPC-man for the NRC in Canada. Bill reports the following notice on DX programs from the Canadian station: On June (25) while I was up at Waterloo, Ontario: at the Canadian Band Championship Contests, I had the pleasure of speaking to Mr. W.C. Mitchell, whose station, (CKCR) was carrying the events of this contest. I immediately made myself known, giving my club affiliation, and asked this gentleman, what response CKCR received to their DX program, for our club, on March (20). His reply was: well to tell you Mr. Stone, we received between (50) and (60) reports, on this broadcast, and though these reports were very good, we were not satisfied with the response, and it looks to me, like this game is dropping off. We will not put anymore EDX programs on the air, because, at this time we are on long operating hours, a very heavy schedule, and from your angle, it was not satisfactory, we had a good night for this particular program, every report stressing our good signal, and ideal DX weather, and we do not figure that the response we got from the DX world was satisfactory, for the trouble we went to, to give such a splendid program.

Now members of the National Radio Club, this gives you an idea, which I do not doubt is held by many station managers, so if we want DX programs from these stations, we have to render better response to their programs. In defense of the manager of CKCR, I will say this, they went to great expense to put their program on the air, they put the best talent in their section on the air, and to place a program of talent on the air as they did, for an hour and one-half, amounts to quite a tidy sum. Mr. Mitchell, advised me that CKCR, gets a letter, once a week, the year round from a gentleman in Elizabethtown Penna. So if you want the members of your clubs Courtesy Programs Committee, you will have to back them up, or else DX'ing is going to be the thing of the past, after all these men devote a lot of their time, at no cost to the club, for you to enlarge your log, and when they procure these programs, they rely on you, to write to these stations, on their respective programs, so why not back these men as well as the station. If your club has a program from a station that you have already logged, a thank you card, is in order, and it shows the station that their programs are wanted, so its up to every DX'er, whether he belongs to the National Radio Club, or to any other DX club, to keep his hobby living, so I am asking every one of you DX'ers to do your part, and the stations will do theirs so lets all pull together.

Arthur Brackbill-Lancaster Penna. Head or Chairman of the CPC staff. Writes that he can use a few more CPC men. We have almost a full staff, but if we can line up a few more A-1 CPC'ers, it will make it easier for them all. So far the South Americans, Cuhans and Canadians are all taken care of. Lets have a letter at once as we are printing up the CPC stationary in a few days.

EDITOR

Lawrence (Larry) Lundberg
1020 Lowry Ave., No.
Minneapolis, Minnesota

ASST SW EDITOR

Leo Herz
730 Roscoe St.,
Chicago, Illinois

--THE HONOR ROLL FOR THE MONTH OF JULY--

Although the weather has been hot and sultry, it has almost been impossible to DX, the following members still found time to send your Editor a report and as a result they deserve a place on the Honor Roll. Your Editor thanks you all for your VFB work. Ken Miller-Chicago., Leo Herz-Chicago., Art Johnson-Fort Hamilton N.Y., Martin Olthoff-Indendence Kansas., and Bob Hoynes-London, England. (Thanks again fellows)

--EDITORS CHATTER--

Your Editor has been getting his rig, antenna and equipment all ready for the coming winter season. All veries are being looked over and the old DX den all fixed up. Let this be a tip to you all. Get your equipment ready as it wont be long now and we will all be spending our evenings at the old rig. Hi. On another page of the bulletin you will find write up on "DIRECTIONAL ANTENNAS" that might prove of help to you.

--VERIES DEPARTMENT--

Ken Miller-Ill. TGWA, RNE, SPW, HI2X, TPA3, YSM (Also booklet on Salcador), COBC, COJK, TGX, TG2, TGQA, COCM, (VFB OM.ED.) Bob Hoynes-England. RNE.: Lundberg-Minn.-W9XUP and OAX4J. (Not bad boys considering the warm weather.)

--VERIFIED ALL CONTINENT RATING--

Boy Oh Boy! Art Johnson of Fort Hamilton N.Y. came through with his VAC and VIC list and the rest of us stick in the muds will now have to do some real hustling to catch OM Johnson now. Art holds the TA, TP, SA, and DSW degrees of the IDA.

STANDINGS

VAC RATINGS

Art Johnson VAC-22
Leo Herz VAC- 4
Lundberg VAC- 1

VIC RATINGS

Art Johnson VIC-59
Leo Herz VIC-48
Lundberg VIC-25

Starting NEXT month we shall list the total number of Veries that our members have on SWBC stations. Send this dope down to your Editor at once so that we may have an accurate list. Art Johnson starts off by telling us that he had 569 SWBC veries. Lets all count the number of veries we have.

--NEW STATION SKEDS--

PSH-10.220 Mags is on a new Sked from 8-8:30 pm Mondays only. (Herz)

Leo Herz sends us the New Sked of the French Stations.

Call	Frequency	Time E.S.T.	Direction
TPB-3	17.765 mc.	8:30am to 10:00am	East and Far East
TPB-6	15.130 mc.	6:00pm to 8:15am	South America
TPB-7	11.885 mc.	8:30pm to 11:00pm	North and South America
TPB-11	9.570 mc.	1:00am to 4:00am	(Africa and Eastern Mediterranean)
		10:15am to 4:00pm	
TPA-2	15.243 mc.	5:00am to 10:00am	East and Far East
TPA-3	11.900 mc.	1:00am to 4:00am	(Africa
		10:15am to 4:00pm	
TPA-4	11.718 mc.	6:00pm to 8:15pm	America
		8:30pm to 11:00pm	America

Short Wave News

During the summer months Italy may be heard over 2RC, 11.810 mc. All reports should be sent to "5 Via Montello-Rome Italy. Their Sked is as follows. (Herz-Illinois.)

--DAILY--

5:00 am to 8:45am and from 10:00am to 9:00pm EST. With the North American Program being heard from 7:30pm to 9:00pm EST. The North American Hour may also be heard over IRF 9.830 Megs.

--NEWS FROM HERE THERE AND EVERYWHERE--

Ken Miller of Chicago received a verie that we would like to have. It is none other than CR7BH. His report was out only 3 months. Ken sent in the dope on this verie and here it is. The verie it-self is the size of a post card. There is a map of Africa with circles emmitting from Lourenca Marques. The printing is done with Green ink on a white back ground. CR7BH operates on 11.718 megs and uses a $\frac{1}{2}$ wave zepplin antenna. Their transmitter is a crystal control Collins, Model 300-3A. Their slogan is "Gremio Dos Radiofilos Da Colonia Mocambique." The QRA is "Caixa Postal 594, Lourenca Marques, Africa Oriental Portuguesa, East Africa." (Thanks you Ken OM for this very interesting information.Ed.)

TGWA, 15.17 megs has a concert dedicated to the USA every Sunday, Monday and Friday at 5:00pm EST. (Herz-Ill)

News in English may be heard over TPB-7, 11.885 megs every day at 10:00 pm Est. (Herz-Chicago.)

JZJ, 11.800 announced that beginning July 15th the 7-7:30am EST transmission will be change to JZK, 15.160 megs. (Herz-Chicago.)

Of the French Stations the best heard are TPB-7, 11.885 megs at 8:30pm and TPB-6, 15.130 megs from 6:15pm to 7:00pm. (Herz-Chicago.)

The Hellenic Government has decided to erect as soon as possible in the vicinity of the capitol a 10 kw SW radio transmitter. A recent Royal decree has changed the names of certain Greek towns and the capitol is now to be known as ATHINAL. (Hoynes-England.)

Tests are to be carried out shortly from Turkeys 2 new SW stations which the Ottoman Government is installing at Ankara. The stations are TAQ, 15.195 megs and TAP, 9.465 megs. The former will use 2.6 kw and the latter 20kw. (Bob Hoynes-England.)

Bob Hoynes writes in and states that he has a friend that is getting interesting in SW'ing and he is teaching him what R/5 QSA/3'a Ect means. That is what we call VFB. Bob also has started in collecting SWL cards and has a dandy card and he states that he would like to exchange with all NRC members. Bobs QRA is in this issues SWL corner. Lets all send our cards.

--NPO SW REPORTS--

AFRICA

Canary Islands	EAJ43	10.370	YL speaking in English at 8:30pm. (Ken Miller Ill.) Heard occassionally 8-8:45pm R/5-7, QSA/4 announcing as "Radio Tenerife and Relaying Salamanca. (Herz-Chicago)
South Africa	ZRK	9.615	R/6-8 QSA/4 occassionally from 11:45pm to 12:45am EST. (Herz-Chicago)

Short Wave News

Japan	JZK	15.160	R/5 QSA/5 at 6:15pm. (Miller-Chicago.)
	JZJ	11.800	Heard daily from 7-7:30am on an average of R/7 QSA/5. (Herz-Ill) R/8 QSA/5 at 7:15am with Jap official speaking of war. (Miller-Chicago)
	JVN	10.660	R/6 QSA/4 and very fluttery at 6:30am. (Miller)
Java	YDB	9.550	Just the carrier wave audible at 6:15am (Miller)

OCEANIA

Australia	VLR	9.580	Dance music at 6:30am R/5 QSA/5. (Miller-Ill.)
	VK3ME	9.500	R/7 QSA/5 at 6:45am with dance music. (Miller)
Fifi Island	VPD-2	9.540	R/4 QSA/4 at 5:45am. (Miller-Chicago.)

EUROPE

Czech. England	OLR5A	15.230	R/6-8 QSA/4-5 at 8:00pm occasionally. (Herz) All stations on transmission #5 are being heard with VFB signals. (Herz-Chicago)
France	TPA3	11.900	R/7 QSA/5 at 2:00am. (Miller-Chicago)
	TPB6	15.130	R/8 QSA/5 at 8:00pm. (Miller-Chicago) R/6-8 QSA/4- average from 6:15pm to 7:00pm. Herz-Chicago)
	TPB7	11.885	Heard on an average of R/7-9 QSA/5 at 8:30pm daily. (Herz-Chicago)
Germany			All G stations DJD, DJB, DJC DJO and DJP are heard with VFB signals. (Herz and Miller-Ill)
Iceland	TFJ	12.235	Heard on July 10th from 1:40pm to 2:30pm with a R/5-7 QSA/3-4 signal. (Herz-Chicago.)
Italy	2R0-4	11.810	On the North America hour is heard with an average signal of R/7-9 QSA/5. (Herz-Chicago)
	IRF	9.830	Heard at 8:15pm with an Opera program, R/8 QSA/5 Ken Miller An average signal of R/6-7 QSA/4 (Herz)
Poland	SPW	13.635	R/7 QSA/5 at 8:30pm on Sundays (Miller-Chicago)
Russia	RKI	15.080	Heard 7-9:15pm daily with a average signal of R/8-9 QSA/5. (Herz-Chicago.)
Switzerland	HBJ	14.535	Signal off on June 24th at 7:34pm ending a special test to Lima, Peru with a R/7 QSA/3 signal. (Martin Olthoff.)
	HBO	11.402	Activities of the League of Nations of the past week were heard on June 26th at 7:21pm with a R/9 QSA/5 signal. (Martin Olthoff-Kansas)

--SOUTH AMERICA--

Argentina	LRX	9.660	R/5 QSA/4 at 10:30pm. (Miller-Chicago)
Chile	CD1190	11.910	R/6 QSA/4 at 8:30pm. (Miller-Chicago)
Colombia	HJ7ABD	9.630	R/8 QSA/5 at 9:30pm. (Miller-Chicago)
Venezuela	YV5RC	5.970	R/7-8 QSA/4-5 at 9:00pm on their new sked (Herz)

--WEST INDIES--

D.R.	HI-2X	11.970	R/7 QSA/5 at 9:15pm. (Miller-Chicago)
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--CENTRAL AMERICA--

Guatemala	TGWA	15.170	Heard occasionally at 5:00pm with R/7-9 QSA/5 signals. (Herz-Chicago)
Cuba			All Cubans heard with VFB. (Herz-Chicago)
Panama	HP5J	9.607	R/6 QSA/4 at 6:30pm. (Miller-Chicago)

--NORTH AMERICA--

Mexico	XEWI	11.900	R/8 QSA/5 at 10:15pm. (Miller-Chicago)
Salvador	YSD	7.894	Gave call in English at 8:00pm R/8 QSA/5. There was R/5 CW (Miller-Chicago)

Short Wave News

LATE NEWS FROM OUR MEMBERS

Martin Olthoff-Independence Kanas sends us the following.

HP5G, 11.780 Panama City, Panama was heard at 7:04pm on June 26th playing the selection "Oh Mama" R/9 QSA/5 from 6:30-7:30pm when their speed shows them to be on the air from 10:30pm to midnight.

TG2 6.190 Guatemala City, Guatemala was heard R/9 QSA/3 on June 30th playing the selection "Audalusia". This station signs off at 11:00pm and relays TGI. During a part of the transmission they were a part of the Guatemala network which consists of stations TGW, TGWA, TG2X, TGI, TG2, TGI and TGQA. Reports are requested from SWL's.

--TELEGRAPH--

Martin Olthoff also reports his doing on Telegraph and thanks OM. JUK2, 12.040 Tokyo, Japan R/1 QSA/3 on June 26th at 1:17am XQF de JUK2 qik?: is a new station on the air

HHC, 11 550 Port au Prince, Haiti. R/5 QSA/5 on June 26th at 6:10pm eee de HHC: This is a new freq for HHC.

DLE, 10.150 Nauen, Germany R/9 QSA/5 at 7:53pm on June 26th. DLE/DLC.

EAX, 9.455 Madrid, Spain. R/9 QSA/5 at 1:19am. vvv EAX.

We thank Ken Miller for the VFB dope he sent down in regards to the Cuban Stations. Thanks Ken OB. Following is his list.

COCQ relays CMCK--No slogan--Owners: Luis Casas E. Hijos.--QRA San Miguel #86 or P.O. Box #98, Habana Cuba.--1500 watts: 6.010 Kc. 49.92 Mts. Schedule: 7:55am to midnight, E.S.T. daily.

COCQ relays CMQ.--Slogan "De la crema dental Colgate y el jabon embellecedor Palmolive"--Owners: Cambo & Gabriel,--QRA: Monte #17 esq. a Prado. Havana Cuba. 5000 watts: 9.750kc: 30.76mts. Schedule 6:55am to 1:00am.

COBZ relays CMBZ.--Slogan "Radio Salas".--Owners: Manuel y Guillermo Salas. QRA: San Rafael #14 altos or P.O. Box #866, Habana, Cuba.. 250 watts: 9.030 kc: 33.32 mts. Schedule 7:45am to 1:15am daily E.S.T.

COBC relays CMBC.--Slogan "del Progreso Cubano y los almacenes de trajes El Gallo". Owner: Domingo Fernandez.--QRA: Monte #139 altos or P.O. Box #132, Habana, Cuba.--1500 watts.--9.963 kc: 30.12 mts. Schedule 6:55am to 1:00am daily EST.

COCW relays CMW.--Slogan "La voz de las Antillas" Owners: Gil & Troncoso QRA; Prado #105 altos or P.O. Box #130, Habana Cuba.--2500 watts 6.330 kc 47.0mts.--Schedule: 6:55am to 1:00am daily except Sundays 9:55am to 9:00pm.

COCM relays CMCM.--Slogan "Transradio Columbia" Owners: Transradio Columbia S.A.--QRA: Calle 23 #1216 or P.O. Box 33, Habana, Cuba.--1000 watts: 9.833kc 30.52 mts.--Schedule: 8:00am to midnight daily EST.

COBX relays CMBX.--Slogan "de los talleres de Radio Alvaras" Owners: Alberto Alvarez. QRA: San Miguel #194, Habana, Cuba.--500watts: 9.210kc. 32.59mt Schedule: 11:00am to 12:30am daily EST.

COCA relays CMCA.--No Slogan.--Owners: Testar & Gonzalez.--QRA: Galiano #102, Habana, Cuba.--100watts: 9.100kc: 32.97mts.--Schedule: Noon to 6:00pm daily EST. (cont next page)

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COCD relays CMCD.--Slogan "La Voz del Aire".--Owners La voz del Aire S.A. QRA:25yG,Vedado, Habana Cuba or P.O.Box 2294, Habana Cuba. 250watts:9.350 kc:32.08mts.--Schedule:10:00am to 11:30pm Daily except Sundays 10:00am to 9:00pm EST.

COCH relays CMCF.--Slogan "de la General Electric".--Owners General Broadcasting Co. QRA:Prado #9 altos or P.O.Box 41, Habana Cuba.--5000watts 9.437kc:31.8mts.--Schedule:8:00am to midnight,daily EST

COCX relays CMX.--Slogan "La voz del Radio Philco" Owners: Casa Lavin. QRA:Ave Simon Bolivar,76 altos or P.O.Box 32, Habana Cuba.--2000watts: 11.435kc: 26.22mts.--Schedule:8:00am to 1:00am,daily EST.

COCU relays CMCU.--Slogan"de Garcia Serra".--Owner:Jorge Garcia Serra. QRA:Estrada Palma No.25 Vidora, Habana Cuba.--500watts:9.950kc:30.15 mts. Schedule: 6:55am to 1:00am EST.

COGF relays CMGF.--No Slogan.--Bernabe R.de la Torre. QRA:--General Betancourt No.51 La Plays. Matanzas, Cuba.--250watts: 11.800kc: 25.43mts. Schedule:6:00 to 11:00pm,daily EST.

COHB relays CMHB.--Slogan.--Owners:Weiss & Ramirez.--RQA:Serafin Sanchez #3, or P.O.Box 85, Sancti Spiritus, Santa Clara, Cuba.--2000watts:6.280Kc. 47.77mts.--Schedule: 9:00 to 10:00am.: Noon to 1:00pm and 9:00 to 11:00pm. Daily EST.

COJK relays CMJK.--Slogan "del Radio Zenith".--Owners:Frank H.Jones.QRA Finlay 3,altos,--Camegney, Cuba.--1000watts: 8.665kc: 34.60mts. Schedule 11:30am to 12:30pm: 5:30 to 6:30pm:and 8:00 to 9:00pm,daily EST.

COKG relays CMKG.--Slogan "La cune del Ron Bacardi".--Owners: Grau Bros. QRA: Sagarra alta 26,or P.O.Box 137,Santiago de Cuba, Oriente. Cuba. 2400watts.--8.870kc., 33.81mts.--Schedule: 5:00 to 6:00pm and 9:30 to 10:30pm,daily EST.

Your Editor would like to state that he has been very busy lately and if I owe any of you a letter, please be patient and in a very short time you will hear from me. Thanks to you all.I would like to thank all the members of the National Radio Club that have helped theWWHC by reading its Hobbymag. Yours is a true friendship and many thanks for your fine letters.

Dont forget to send in your SW reports guys and gals. Lets hear from you all. Thanks again to all of you who have contributing information for this bulletin regularly. (Editor)

A WORD TO ALL YOU MEMBERS FROM HEADQUARTERS.If you members havent recieved your DIPLOMA from TI4NRH-Heredia Costa Rica, dont forget to send in a report, and inclose 10¢ and you will receive a Diploma that you will be proud of.HQ received a Diploma today from TI4NRH and boys its a wonderful piece of work, its 15½ inchs high,12 inchs wide, but its color and picture work is of real Art. This Diploma gives the dope on station and all about their 10th Anniversary, they have been on the air 10 years May 4th 1938. NRH was one of the original five short wave stations of the World,establishing Costa Rica in the center of America on the same level of Radio with England, Holland and the United States of America:doing it ever since, with no other sourse of revenue but good will, towards a better understanding between countries, through a channel of 9670. (SW section cont on page 13)

All time E.S.T.

All time E.S.T.

Cyrus Will-Editor

651 Brier St.,

Kenilworth Illinois

I am sorry I was not able to furnish the amateur section for the last issue but I was on a three week motor trip around the Great Lakes to New York City, Had a swell time but have done little DX'ing since returning. I would like to have more of you members sending me reports on your amateur reception.

--PITCAIRN ISLAND--

Although I have not heard the amateur transmitter, VR6AY, on this island for some time, the daily papers have been carrying many reports about it. Mrs Dorthy Hall of New York(W2-IXY), well known amateur has been supplying the reports to the press. Mrs Hall has a regular schedule with VR6AY. First reports were that because of a false rumor to the effect that there was a typhoid fever epidemic on the island no boats had stopped there in six weeks and the island was in critical need of supplies. Mrs Hall had approached authorities here in an effort to relieve the situation. Later reports stated that the island's station was not being heard and still later reports were to the effect that authorites had moved to clear up the situation.

--20 METER PHONE DX--

Have done very little DX'ing since the last issue, These are the stations as logged.

June 6:	ON4HS	14.140	11:29 pm.	June 9:	CO6OM	14.280	6:49 pm
	G8MA	14.140	11:30 pm.	June 14:	CO8YD	14.100	11:00 pm
June 7:	GM6WD	14.330	6:19 pm.	July 8:	HH2PB	14.380	6:25 pm
	G2MF	14.030	6:26 pm.	July 26:	HC1JB	14.400	11:25 pm
	CT1ZZ	14.030	6:34 pm.		VP2AB	14.400	11:28 pm
	TG9AA	14.400	6:49 pm.		ON4HS	14.090	11:33 pm.
	G5ZT	14.130	6:53 pm.		ON4AM	14.160	11:35 pm.
	HK1DG	14.170	8:59 pm.		G5LK	14.080	11:37 pm.
	CO7VP	14.080	9:05 pm.		G2AV	14.130	11:40 pm.
	TG5AA	14.100	9:07 pm.		F8RV	14.160	11:43 pm.
June 9:	XE1HA	14.080	1:25 am.		XE1BC	14.100	11:45 pm.
	CO2LY	14.070	6:25 pm.		G2UT	14.080	11:48 pm.
	G8OF	14.070	6:30 pm.		CO2BY	14.150	11:55 pm.
	LU6KE	14.060	6:34 pm.		G8BX	14.160	11:57 pm.
	VO6D	14.240	6:35 pm.		G5LJ	14.130	12:00 pm.
	G2MF	14.030	6:38 pm.				

--QSL's RECEIVED--

Leo Herz of Chicago reports the following QSL's received recently: F8PK, 14.112 Kc/s, 48 watts: G8KK, (QRA not in callbook) D. Dunleavy, 6 Heugh St., South Shields, England. YR5EV, Leo's 46th country verified: VK3TZ, 30 watts: VK6WS, VFB card but no info: VK2IQ, VFB card: HC2HP, a VFB QSL which makes Leo's 47th country: VK4CD, 35 watts VK3SE, a very FB card: PA0AA, the headquarters station of the NIVR (the Dutch ARRL): ZS2X, a very FB card with black background and silver printing, Leo's verie from ZS2X was #1397.

--REPORTS FROM MEMBERS--

Martin J. Olthoff-Independence Kansas, sends in the following FB report. I hope you will contribute regularly to this section OM. June 12, HK5DB, 14.030 Cali Colombia R/5 QSA/4 at 1:31am, calling CQ. June 18, KALFH, 14.280 Manila Philippine Islands, R/4 QSA/3: new station was heard calling PK4CB at 5:48am.

Cyrus Will-Ed.

Kenilworth Illinois

(Continued) Martin J. Olthoff:

at 6:07am.

June 18, PK6AJ, 14.125 Amboina, Netherland Indies, R/6 QSA/3, calling CQ
 June 22, VK2BQ, 14.275 Bellevue Hill (Sydney) N.S.W., Australia R/6 QSA/2
 12:51 am: QSO with W6AAU.
 June 24, K6ILW, 14.245 Hilo Hawaii, R/5 QSA/3, 12:37 am: New station had
 QSO with W7EYD.
 June 24, YV4AB, 14.050 Valencia Venezuela R/3 QSA/3, 8:19 am: Called CQ-DX.
 June 24, G5HS, 14.180 Thame England R/5 QSA/5, 11:50 pm: Called W9CMF.
 June 25, G5GS, 14.150 Grimsby England R/3 QSA/2, 12:37 am: QSO with W2
 JIL.
 June 25, GM2UU, 14.275 Wigtown Scotland R/3 QSA/3, 12:55 am: Hrd calling CQ.
 June 29, HK1LZ, 14.060 Cartagena Colombia, R/5 QSA/3, 10:09 pm: Called CQ.
 June 29, OA4AJ, 14.095 Lima Peru R/6 QSA/3, 10:20 pm: Called CQ.
 June 30, VK2ADT, 14.090 Lismore, N.S.W., Australia, R/4 QSA/3, 6:58 am:
 QSO with W1CND.
 June 30, VK4JU, 14.130 Brisbane, Qld., Australia, R/4 QSA/3, 7:13 am:
 called CQ.
 July 1, HH2MC, 14.120 Port au Prince, Haiti, R/5 QSA/3, 4:27 pm: New
 station called VE2BZ.
 July 2, J5CC, 14.410 Kagoshima, Japan, R/6 QSA/4, 8:54 am: had QSO with
 W6EHZ. Also heard using phone on this same frequency.

Leo Herz--Chicago Illinois. Again supplies us with several VFB
 reports. By the looks of the report below it seems Leo is sure pulling
 in the DX this summer.

--20 METER PHONE LOG--

May 22:	ZS3F	R/7 QSA/4	1:32 am.	June 4:	VK4UD	R/7 QSA/4	6:50am.
	VK2UC	R/6 QSA/5	1:35 am.		VK2EQ	R/6 QSA/4	
	K6BNR	R/7 QSA/5	6:55 am.		G5ML	R/7 QSA/5	5:22am
	KALFH	R/6 QSA/4	7:12 am.	June 5:	HI7G	R/9 QSA/5	7:24am
	KALAP	R/7 QSA/5	7:33 am.		HC2HP	R/7 QSA/4	7:26pm
	LU8AB	R/7 QSA/4	9:30 Am		G6WU	R/6 QSA/4	5:14pm
May 23:	VK2VB	R/5 QSA/4	6:32 am.	June 6:	VK3BM	R/7 QSA/4	6:40am
	VK4GU	R/7 QSA/4	6:34 am.	June 11:	HH5PA	R/8 QSA/5	
	K7PQ		5:49 pm.		HH2PE	R/7 QSA/4	6:56pm
May 24:	HH2C	R/7 QSA/5	6:40 am.	June 13:	VK2OG	R/7 QSA/4	6:39am
	VK2HF	R/8 QSA/5	6:37 am.	June 15:	HK1EF	R/8 QSA/5	6:35am
May 25:	VK2YQ	R/7 QSA/5	6:36 am.		(Who knows his QRA)		
	G3BM	R/8 QSA/5	6:48 am.	June 16:	VK6MW	R/7 QSA/4	6:35am
	LU4BC	R/7 QSA/4	6:16 pm.	June 18:	K6JK	R/7 QSA/4	6:22am
May 26:	VK6WS	R/7 QSA/4	6:36 am.		VP9R	R/7 QSA/4	6:40am
May 27:	PK2WL	R/7 QSA/5	6:34 am.	June 20:	G2NF	R/7 QSA/5	5:50pm
May 28:	HI6Q				HC2HP	R/8 QSA/5	5:51pm
May 29:	LU4UC	R/6 QSA/4	6:00 pm.		YR5CF	R/8 QSA/5	5:54pm
May 31:	K4FAY	R/7 QSA/5	6:26 am.		VP9G	R/6 QSA/4	5:59pm
	(?)VK2EH	R/6 QSA/3	6:35 am.		PY2BA	R/6 QSA/4	9:01pm
	G6HV		5:12 pm.		VE5AEF	R/8 QSA/4	9:00pm
June 1:	VK6MW	R/7 QSA/4	6:37 am.		(wants SWL reports)		
	G5ML	R/7 QSA/4	5:55 pm.		(Send reports via CBR Vancouver BC)		
	VK5AR	R/6 QSA/4	6:28 am.		HH2PB	R/6 QSA/4	9:25pm
	HI7g	R/9 QSA/5	6:35 am.	June 21:	VK2NY	R/7 QSA/5	6:36am
	XE1Q	R/9 QSA/5	6:15 pm.		G5ZP	R/7 QSA/4	5:47pm
June 3:	K6QQE		6:38 am.		PY4CP	R/7 QSA/5	5:47pm
	VK6WS	R/8 QSA/5	6:40 am.				

(Continued) Next issue

The Short Wave Listeners Corner
 Cyrus Will-Editor 651 Brier street Kenilworth Illinois

Many of our members collect SWL cards. In the past year this idea has spread rapidly all over the world and now the greater majority of the Radio listeners have their own cards which they exchange by mail with other listeners. Because of the growing popularity of this form of collecting we decided to include in the bulletin a section devoted to SWL card exchanging. Each issue we plan to include the addresses of 25 SWL's who collect and exchange SWL cards. Of these 25 a number will be from foreign countries. The QRA's of these SWL have been taken from the many cards in my collection and they are known to exchange cards. If however, any one fails to reply after a reasonable time I would be glad to know of such so that the QRA may be dropped from our list.

Our Chief Editor plans to add to this first list a few of our members who exchange cards. If any who exchange cards wish to be included in future lists please let me know and I will include your QRA. I also want to hear from all of you interested in such a section as this. What are your ideas on it? Do you have some news which will be of interest to other SWL's. Please let me hear from all of you.

When writing the QRA's below please mention this column and the National Radio Club since many of the SWL's are not members and your Card will then serve the dual purpose of receiving a card in return and also in arousing the SWL's interest in our organization.

SWL CARD EXCHANGERS

Hadley Wilcox, 623 West 40th Place, Los Angeles, California
 Joseph A. Slezak, 5009 So. Fairfield Ave., Chicago Illinois
 Joseph Enz, 167 Harmon St., Brooklyn, New York
 Richard Willey, 1705 East Burnside St., Portland Oregon
 Robert D. Cooley, 247 Marion St., Rochester New York
 Dick Cahill, 211 West Ash St., Salina Kansas
 C.H. Johnson, 1539 West 12th St., Casper Wyoming
 Tom Todd, Jr., 1317 So. East pine St., Portland Oregon
 Herbert S. Handler, 109 N. Grand Ave., Baldwin, L.I. New York
 Cliff Tavener, Rosenberg Texas
 Russell Sommerlot, 4935a St. Louis Ave., St. Louis Mo.
 Chester Moczydlowski, CCC Camp SCS-6, Machias New York
 Chester Fox, 4527 Smick St., Philadelphia Penna.
 Walter V. Scholz, 33 N. Maple Ave., Webster Groves, Missouri
 Matthew E. Leshner, 181 Bailey St., Lawrence Mass
 C.H. Kuebert, 7916 Tacoma St., Pittsburgh Penna.
 Bob Liggett, 824 Passmore St., Philadelphia Penna
 Ben Follrath, 1419 Pearl St., Alameda California
 Robert Botzum, 633 Moss St., Reading Penna.
 Sergio Gonzalez, Calle 21 y D. Vedado, Havana Cuba.
 Joe Becker, 415 South 11th St., Hamilton Ohio
 Arthur Parfitt, 1925 East 84th St., Cleveland Ohio (New QRA)

FOREIGN

Walter Birks, 2A, Hawthorn Ave., Gainsborough, Lincs, England
 E. Cafley, 53 Middle Market Rd, Gt, Yarmouth, Norfolk, England
 Erik Johansson, Katarina Bangata 28, 4 Stockholm Sweden
 Luis Diez A., P.O. Box #21, Retalmulcu, Guatemala (Swaps foto)
 Felix E. Quayle, P.O. Box 4, France Field, Canal Zone
 R.H. Douglas, 42 Normanby St., St. Kilda, Dunedin, N.Z.
 T.R.B. Boyce, "Manning River Times" Taree, N.S.W., Australia
 Bob Hoynes, 41, Vassall Road, Brixton. S.W. 9. London England

--BY MR.UP PAUL KNIGHT--SAYS--

Hers a new feature for your bulletin...the voice of a member of the NRC who wants to pass on latest news, tips, predictions, jokes and happenings in the good old NRC. The future of this feature depends entirely upon the response from the members. If you deem it worthy of publication, drop a card or letter to headquarters and it will appear again.

Mr.Knight wishes to inform NRC'ers, and particularly Joe Becker, that KSLM have been granted permission to change frequency from 1370kc to 1360 kcs, and to increase power to 500watts. Yes Joe, you may have a chance to hear these fellows in Salem, Oregon yet!

And in case you didnt hear it befor, KRIC, 1420 kcs., Beaumont, Texas began a series of test programs on the morning of April 15th. They were first reported by Joe Becker who heard them on their first test and then by Pat Reilley, Dick Cooper and Ed Feichtner. How many other NRC'ers hrd KRIC. They verify with a printed card, half inch letters in black.

KYSM, 1500 kcs., Mankato Minn. were heard by several of the summer DX'ers. In spite of the noise and our old friend WJBK, they seem to push through very well. Bill Stone writes that they are on daily untill 2am EST

KUTA also on 1500 kcs., are scheduled to start regular broadcasts about August 1st. We haven't heard them on with tests and as far as we know they have not been reported by any other DX'er. Mr.Knight offers a prize to the first NRC'er who reports reception of KUTA. Address your report to headquarters in care of this column.

WARNING: If you do not have WFBM, 1230 kcs., Indianapolis Ind. in your verified log, we suggest that you send them a report at once. It is rumored that they contemplate a change of call letters to WIPL.

KXOK, 1250 kcs., St Louis, Mo. are to start regular broadcast on Sept.15th. They should be testing by the first of the month. KOCW, 1310kcs. Tulsa Oklahoma are also slated for regular duty early in September. Watch for test from both of these stations.

CMCD will soon be messing things up on 630 kcs., They are working a new 15kw transmitter that is being custom tailored for their swampy location at the end of Habana bay. CMCY and CMX are also making improvements;

And may we ask just what those question marks after Warren Routzahn's name indicated in the last bulletin. It seems as though they were intended to raise some doubts as to Warren's cleverness ?????? Honestly though, Warren is a very clever young man!! No question about that.

And we wonder just who that DX'er is who sends silk hankies and promises chicken dinners in return for letter verifications. Such a system. We believe that he should be openly exposed as a menace to the future of DX'ing. Hi

Your correspondent is anxious to start some sort of a contest among the BCB members of the club. Lets have some suggestions and ideas on a new and different kind of contest. Address your comments to headquarters. Could it be arrange to charge a small fee (10¢ ?) for participation in this contest and the winner to receive the jackpot. How about a contest wherein points would be awarded to the DX'er receiving a verification
(cont next page)

Mr. Up Paul Knight says:

(Cont from page 12) from the station, and points on all club DX programs reported. These are just suggestions, Drop a card to HQ if you think it worthwhile and we'll appoint a contest manager who will dope out all details.

SHE: "You remind me of the ocean.

YORK DXER: "OH! You mean I'm so wild and uncontrollable?"

SHE: "No! I mean you're all wet and make me sick!!"

As we go press we are informed that KQW will jump power to 5 kw: that WRNL will go from limited hours to unlimited and jump power to 1kw and that WILL will jump power to 5 kw. Also Columbia's New Broadcasting station at KNX, Hollywood Calif., (a new \$350,000 transmitter) located at Torrence Calif, went on the air Monday night July 25 for its first test trial, that will extend over a 10-day period. (Note-FCC has granted 30 days more). Trials will be conducted between 1 and 6 A.M. PST when regular KNX-Columbia radior is off the air. Columbia officials will be watching these test with greatest of hope. They expect the new location near a point on the Pacific ocean to boom signals through a dead spot that prevents KNX from reaching San Diego or Santa Barara.

And so your correspondent, Up Paul Knight concludes his first edition. If you want another to appear in the next issue, please make your request in writing to club headquarters. Dont forget to pass your ideas about the contest too. Thanks and gud summer dxing. (Address all request to Mr. Up Paul Knight-317 East 10th St., Erie Penna.) They shall beforward to Mr. Knight.

SAVE YOUR REPORTS

"With Special Permission of the "International Short Wave Club" we are printing a n article taken from their Magizine!

In the past few months we have received quite a number of bitter complaints against some stations accepting the reports and postage coupons of listeners and send ing them only a notice that their verifications can be purchased through a very questionable scheme. Therefore, listeners may just as well save their reports and postage on the following stations: YV2RA, HI9B, HI3U, XEBQ, KJ5ABD, HJ3ABX, HI5N, HIT, YV1RH, YNLG, OAX4J, HJU, XEDQ, XEFT, OAX5C, HP5A, CB1170, XEBM and HRN. (Mistake add these two-HC2RL and YNGU). So-called "Verification" received through the purchase plan are not eligible for the H-A-C, because information we have received proves that this plan is just one to force short wave fans to join a certain radio club which can not get members by the regular methods and a thing which permits stations to keep the dimes and coupons of innocent reporters. "SAVE YOUR MONEY". From recent reports of SW members, HP5A, OAX4J, HC2RL, YNLG, and YV1RH have started to Verify again. (Editors note-If any of you N.R.C. members have any information about any of the above stations please send it to Headquarters, let try to keep above list actuated.)

--Pricelist QSL and SWL Cards--

ONE COLOR--INK--	TWO COLORS	"WRITE TO"
100 Cards \$.90	100 Cards \$1.25	John P. Miller, Jr.,
200 Cards \$1.35	200 Cards \$1.75	6 Willow Avenue
300 Cards \$1.80	300 Cards \$2.25	Ambler, Pa.
500 Cards \$2.75	500 Cards \$3.25	Printing of Quality

Prices listed are for printing on one side only.

DIRECTIONAL ANTENNAS

Here of late so many DX'ers have wrote into Headquarters asking us about Antennas, and what are the best one's to use. We have experimented with all types but have only found one that will meet all the requirements of a DX'er, this antenna that I am about to explain to you is being used by the F.C.C. Monitoring stations, this year. I do not believe that theres a more directional antenna than this one. Many listeners may not have the space for this type, but to those who, may be interested in the system which we have set up here, would like to hear about it. Or it will help those that want to get a particular direction.

Our center mast is around 50 foot high, with four antennas which run to the four points of the compass. The supports at each end of the four antennas are of the same height. Each aerial is of enameled No.12 solid copper wire. The North and South antennas are each 400 feet long (they were 600 feet long) the East antenna is 700 feet long, while the West is 1000 feet long, these lengths are taken from the center mast at the shack, our East and West aerial would be 1700 feet long if in one piece, but the lead-ins are tapped at the center mast, about 15 foot clearance, between the two, with two three inch insulators about 12 inchs from each lead-in.

The lead-ins of each aerial is taken at the end nearest the center pole. The antenna which runs North has its lead-in at the South end and is, therefore, directional South. The aerial that runs West from the center mast has its lead-in at the East end and is used for reception from the East. (Always remember when you put up your antenna that the END you tap your lead-in from, will be the direction that you will get your best reception from) At the shack we have four knife switches about 12 inchs apart, each switch is marked, East, West, North and South, by using the switches we may use any particular aerial we want, or we may use all of them at the same time, we have 9 different choices of directional doublet, single wire and "V" aeriels. We may use the East-West or North-South doublet, an East-West or South single wire "L" antenna or South-East, South-West, North-West or North East "V" aerial, all that we lack here is a vertical antenna. We have found that the use of this system frequently enables us to reduce interference between stations. If two stations on the same channel are heard and one is in a different direction from the other, use of the aerial pointing at the desired station will often reduce the QRM from the other. (This same system may be used with shorter aeriels and will give you approximately the same results, 75 to 100 foot antennas should prove out successful, that is to have all your aeriels the same lengths.)

As an example, we tuned in WTBO on 800 keys one moring at 10:30 a.m. but reception was spoiled by a station in the background. By shifting aeriels, we were able to bring in WFAA on the same frequency. On the East aerial WTBO was heard with a R/8 signal, with some QRM in background but by shifting to the South aerial we could log WFAA and was heard with a R/5-6 signal, with WTBO in background. Using the West aerial WTBO came in with a R/5 signal, but the QRM was very bad..We all have had experience with the Cubans and their QRM, but with this system of aeriels we can bring 60 per cent of them out and have very little QRM

The receiver used at our shack is a Philco 34 7-tube All-Wave Model with three-tube pre-selector which gives us a great increase in sensitivity and selectivity. We use two sets of batteries, a two-volt A battery for the receiver and a six-volt A battery for the pre-selector