

F R E N D S

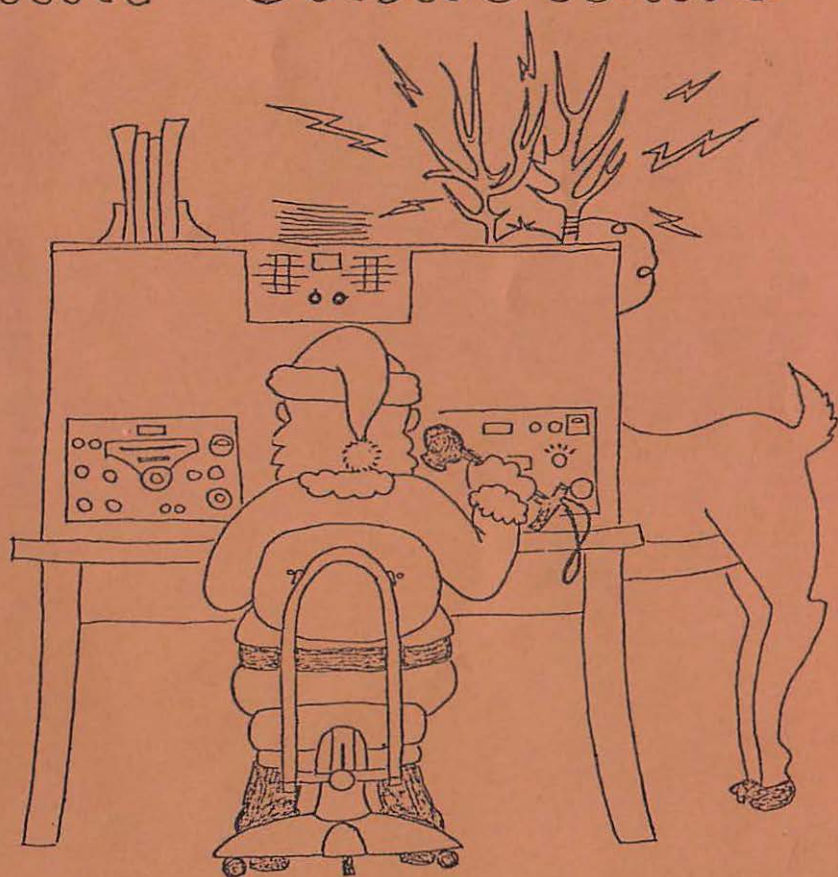
The SHORT WAVE BROADCAST Journal - Since 1962

NORTH AMERICAN SHORTWAVE ASSOCIATION

Vol. XII No. 12

December 1973

MERRY CHRISTMAS



LOUDENBOOMER

Twas the night before Christmas and I was in bed,
Not a signal was stirring; the bands were all dead.
An eight-foot-long stocking was hung, quite a trick,
Next to the chimney, to fit a Joystick.
Ol' Charlie was smuggled up tight in his bed,
And visions of veries danced in my head.
I wore a new night-cap, I looked rather slick,
With built-in headphones, I don't miss a trick.

When up on the roof there arose such a racket,
Like my sixty-foot tower had slipped from its bracket.
I ran to the window and opened it wide,
I shivered and peered intently outside.
The moon on the crest of the new fallen snow,
Disclosed a terrible scene down below.
A twisted antenna and eight tiny deer,
And a little old driver with a beard down to here.

He whistled and shouted so furiously,
Whilst busily trying his reindeer to free.
My tower, I realized quicker than quick,
Had just shot down an ex-jolly Saint Nick.
I drew in my head and was calling my lawyer,
When a bedraggled Santa burst into my foyer.
His eyes how they glittered, he muttered a vow,
"I'll sue you, Loudenboomer, for sixty-five thou."

Red-faced with rage was this chabby old fellow,
Who shook when he yelled, like a bowl full of jello.
A stump of a pipe he clenched tight in his teeth,
While oaths seemed to circle his head like a wreath.
With placating words, I offered a cup (of good Christmas cheer)
Which he promptly drank up.
Then still complaining that I was a jerk,
He went to the chimney and started to work.

"No JoyStick for you!", he said with a hoot.
And filled up my stocking with ashes and soot.
Then landing a clout alongside of my nose,
And giving a nod, up the chimney he rose.
He sprang to his sleigh, his reindeer untangled,
Though still from one runner, my antenna dangled.
He shouted out clearly, "S-9 reception,
Merry Christmas to all...with just one exception!"

I heard him exclaim as he drove through the night,
"Wait till next year Charlie, I'll fix YOU alright!"

To all his fans, young and old, new or longtime, CL extends best wishes for a happy holiday season and promises to delight with continued exclusive reports every month.

ANARC REPORT

NASWA is one of several clubs in North America comprising the Association of North American Radio Clubs (ANARC). This organization is not a club in itself, but rather a body of those member clubs, and associate member clubs, enjoined for the betterment of the hobby of DXing, whether on short wave, broadcast band, utilities, TV or FM. Each affiliate club within the membership of ANARC is represented by a certain number of persons of that club who have been appointed by respective club headquarters. Individual persons cannot become members of ANARC. NASWA has three representatives to ANARC and these men represent your club in cooperative matters of mutual benefit to all clubs. In the past, ANARC has endeavored to promote goodwill and constructive rapport between the DXing hobbyists and the world's broadcasters. Two of the projects of ANARC with particular appeal to hobbyists have been the frequency recommendation committee and the QSL policy committee. These two projects have chairmen and other volunteer committee members to establish a working relationship with stations who have problems finding room on the crowded bands or instituting a QSL policy satisfactory to the many hundreds of persons writing them each year. If any NASWA member has a suggestion that seems to have hobby-wide interest and appeal, they are welcomed to write their club ANARC representative living nearest them. For your information (keep this handy) your reps are:

Gerry L. Dexter
R.R. 4, Box 80-D
Lake Geneva, Wisc.
53147

Daniel C. Ferguson
P.O. Box 8452
So. Charleston, WV
25303

Edward C. Shaw
621 Burleigh Av.
Norfolk, Va.
23505

Although no individual member of any club can become a member of ANARC, the monthly newsletter of ANARC is available to individuals for the 12 issue rate of \$2.50 by first class mail. Address your inquiries to Mr. Al Reynolds, P.O. Box 3012, Jackson, Tennessee 38301. In case there may be a little delay, have patience as Mr. Reynolds is a very actively busy person, both in his livelihood and the hobby.

Some news from the most recent ANARC Newsletter advises us that ANARC has long been in need of an organizational symbol or logo, for use in publicity and on stationery, etc. Those of you with artistic abilities can be of great assistance by sending in your ideas to ANARC's Publicity Chairman: Mr. Steve d'Adolf, P.O. Box 748, Nekoma, ND 58355.

Al Reynolds, ANARC's Executive Secretary advises that bids to host the 1974 ANARC Convention should be in his hands (at the subscription address mentioned above) not later than February 1974. At present, there is a bid by one member to host the next convention in Denver, CO. Conventions are genuinely fun and informative. Every club member ought to make an effort to go - examine the displays, hear informative talks, participate in gab-sessions, rub elbows with all the club big-wigs.... you'll find that ALL are a great bunch of guys with you in mind. The last three annual conventions have had between 50 to 100 members show up, and the trend is toward larger numbers. Even individual clubs are thinking about extra national meetings.

ANARC Newsletter also mentions the prospects for another SWL publication being prepared by a Syracuse, New York dealer of SWL equipment. As of the present, NASWA does not feel it is in the best interest of its club members to promote this source of equipment and publications due to numerous complaints of non-delivery and questionable service. Any members having personal experiences with this source are requested to write down the pertinent particulars and send them to NASWA headquarters.

For those of you (meaning all of us) who have had problems with dissolving WRTH's (hi) the word comes that next years WRTH promises to be higher quality. (And maybe higher price, too.)

Although the Handicapped Air Program (HAP) is not a project of ANARC, but of SPEEDX, the noble idea has widespread appeal and is worthy of every DXer to support. Basically, the HAP program provides introduction, coaching and occasional equipment to disabled persons for their enjoyment of the newfound hobby of DXing. The program really needs your support. A small or large contribution is gratefully appreciated. Any NASWA member desiring to send money, stamps, tools, portable radios, or any other practical gift may send them to HAP via his own club. Write or sent your gift via Ed Shaw, 621 Burleigh Avenue, Norfolk, Va. 23505. He will see that your gift is delivered to the HAP Committee and acknowledgement made to you.

And, lastly, for your information, the following list is provided of all member clubs to ANARC, and also of associate clubs not yet meeting full requirement for full membership:

ASWLC	American Short Wave Listener's Club	WTFDXA	Worldwide TV-FM DX Association
CIDX	Canadian International DX Club	*RMDXA	Rocky Mountain DX Association
IRCA	International Radio Club of America	*VDXA	Virginia DX Association
NRC	National Radio Club	*SWL Intl	SWL International
NASWA	North American Short Wave Association	*TDXC	Triangle DX Club
SPEEDX	Society to Preserve Engrossing Enjoyment of DXing	*Wingate	SWL Club

Please write Al Reynolds (at subscription address above) for addresses for these clubs.

TALL TALE CONTEST WINNER

Despite the disappointing participation in the Tall Tales Contest, a winner tale was found - and a good one it was. A total of four tales were received, and we therefore feel obliged to establish a fourth prize rather than just 1st, 2nd, and 3rd. As we promised, the winner tale is presented here and the author, Jimmy C. Jones of Nashville, Tennessee, is being sent the First Prize group consisting of 1) a NASWA jacket patch, 2) a cassette of interval signals, and 3) the much coveted 1967 issue of How To Listen To The World. The Second Prize, going to A. E. Martin of Lancashire, U.K., consists of a cassette of interval signals and a copy of the How To Listen book. Third and Fourth prize winners, shared equally by Daryl Buxton of Millington, Tennessee and Terry Dean of Dayton, Ohio, will each receive a copy of the How To Listen Book.

IMPORTANT SCIENTIFIC CONTRIBUTION MADE BY DX'ER - By Jimmy C. Jones

My former employment in pipeline construction required that I move about to various parts of the country. Therefore, my outside antenna for shortwave listening was a wire whose length was dependent upon whatever supports were available at each new location. The fact that this random length of wire was not resonant did not cause any serious reception problems until last winter when I moved to Bemidji, Minnesota.

I got up at my favorite DXing time.. around daybreak.. the next morning after getting the receiver and antenna set up. I noticed that the temperature on the outside thermometer was 49 degrees below zero and said to myself, "Brr, now that's cold!" I turned on the receiver, but even the VOA only barely moved the needle of the S-meter. Upon going outside to check my newly strung antenna, the problem immediately became obvious. Standing Waves!! The frequency waves were freezing solid right there on the antenna!

However, the signals reached their normal strength after the sun had been up for a little while. By alert observation of the thermometer at this time, I made the important scientific discovery, later verified in numerous controlled experiments, that the freezing point of standing waves is -41° Fahrenheit!

While helping me to judge the Tall Tales, Al Sizer commented that 'while he agreed Jimmy Jones' tale was the winner', he could attest to the veracity of Jones' story having had similar experiences himself after reading Jones' report. It seems that after the thaw came in Bemidji, Sizer turned on his receiver just as the last ice crystals were dropping from the antenna. He caught the spectacular voice booming in: "We now bring you the Sunday morning church service from the Episcopal Church in Port Moresby." But, in case you don't think hearing Port Moresby is so much of a big deal, Sizer reminds us that the day he heard it was Thursday. The frozen waves had thawed and filled his receiver with signals from the previous Sunday that had been frozen on his antenna! Congratulations to Jones! This remarkable discovery will henceforth be known as Jones' Bemidji Effect.

EQUIPMENT Q-BOX AUDIO FILTER Neal Perdue telephoned HDQ with word that the Q-BOX he purchased had arrived, and that initial tests indicated it was certainly worth the \$17.95 + \$1 shipping. Actually he used words like "fantastic", "amazing", etc. The device is powered by a 9 volt battery, and is plugged into the headphone jack of your receiver. You then plug your headphones (at least 1000 ohms) into the Q-BOX. It is described as an "inductorless active filter". Specs claim a continuously variable bandwidth from 30 Hz to 2000 Hz. Center frequency is 800 cycles.

We will have a complete report on this device next month. It is available from AUTEK RESEARCH, Box 1494, Canoga Park, CA 91304.

HELPING HAND

For sale Heathkit SB310 receiver with crystals for 60, 49, 31, 25, 19, 16, 13 meters SW and 41/40, 20, 15 meters amateur. Includes SB-600 speaker & 2.1 kHz SSB filter. Cost new was \$340 - is 2½ years old. New tubes:.....Telux CS-7 communications headset. 600 ohm impedance, \$31 new. MINT condition.....Tymeter 24 hr clock with wooden cabinet. \$18 new, excellent shape.....Hallcrafters SX100 Mk. 1A; I paid \$150 for this set alone 3 months ago! It's in gorgeous shape!+Lafayette Guardian 6000 portable 6 band receiver. Direction finder & covers long wave, AM, marine band, FM, air, Public service (147-174 Mhz). Paid \$90 one year ago, very good shape.....All for \$300 Write Barry Peters, 0411 Lyons, University Park, PA 16802. Phone 814 - 865-2030.

DONT FORGET Order your 1974 WRTH from HDQ. Cost is \$6.50. They will be shipped upon arrival in the US, mid or late January. You order should arrive here by December 31 to get in the initial shipment. A MUST for the serious or casual listener. \$6.50 (an extra \$1 will get shipment via UPS) to NASWA HDQ, Box 8452, S.Charleston, WV 25303.

ENGLISH LANGUAGE PROGRAMS TO NORTH AMERICA

compiled by SCOTT REEVES

This list is comprised of countries which have stations which broadcast English transmissions to North America or which can be heard with English broadcasts not beamed to North America. Arranged alphabetically by country name, the list utilizes the standard Log Report Abbreviations except for the numbers 1, 2, 3 and 4 which appear next to the station name, in parentheses. These numbers refer to the relative occurrence of reception of the given station, with 1 being "heard regularly with English to North America", 2 being "heard often with English to North America". 3 is "heard regularly with English broadcasts not beamed to North America"; 4 is "heard often with English broadcasts not beamed to North America". 5 means "not broadcasting in English, but identifies in English at the beginning of programmes". These numerical grades are arbitrary and refer mostly to my QTH. Information for this listing came from my loggings, NASWA's FRENEX, and DSWCI's SWN. Frequencies underlined as "5952" have been recently logged by me.

ALBANIA R. Tirana (1)

0000-0030 7065, 9775
 0130-0200 6200, 7070, 7300
 0230-0300 6200, 7300
 0330-0400 6200, 7300
 0430-0500 7300, 5945
 1100-1130 9500, 11985

ARGENTINA RAE, Radiodifusora Argentina al Exterior (1) (3)

0300-0400 9690
 0600-0700 9690, 11710
 2300-0000 11710 (to Europe)

AUSTRALIA Radio Australia (1)

0100-0300 21740, 15320, 17795
 1115-1215 9580, 11710

AUSTRIA CRF (2) (4)

0030 6155
 1230-1240 11860

BANGLADESH Radio Bangladesh (4)

1230-1300 15455)
 2035-2040 9465-9491v) G. O. S.
 2125 9465-9491v)

BELGIUM RTB (2)

2255-2315 9655, 11920)
 0040-0100 9655, 11920) Belgium Speaking

BULGARIA Radio Sofia (1)

0000-0100 9700, 6070
 0400-0430 9700

CANADA Radio Canada International (1)

0100-0158
 1217-1315
 2300-2330 9625, 11945, 15190

CHINA (PR) Radio Peking (1)

0000-0100 11945, 15060 ECNA
 0100-0200 15060 ECNA
 0200-0300 15060, 17855, 17715 ECNA
 0300-0400 7120(Tirana), 9780(Tirana), 12055, 15060, 15095 ECNA
 1200-1300 ECNA
 0400-0500 WCNA

TAIWAN Broadcasting Corporation of China(BCC) (1)

0200-0350 7130, 11825, 15125, 15345, 17720, 17780, 17890
 (To Far East, Australia, New Zealand, North America)

COSTA RICA TIFC, The Lighthouse of the Caribbean (3)

0300-0430 6037, 9645

CUBA Radio Habana Cuba (1)

0100-0450 11930 0630-0800 9525
 0100-0600 11910 2050-2150 15285, 15425
 0330-0600 11760

ENGLISH LANGUAGE BROADCASTS(continued)

CZECHOSLOVAKIA Radio Prague (1)

0100-0157 5930, 7345, 9540, 9740, 6015, 11990
0300-0357 5930, 7345, 9540, 9740, 11990

DENMARK Radio Denmark (5)

45 minute Danish programs with English ID at the beginning, programs start at:
1200, 1400, 1600, 1730, 1830, 2000 on 15165
1330-1345 15165
0200-0245 9520

ECUADOR HCJB, The Voice of the Andes (1)

0030-0700 9560, 11915
0100-0700 15115
1200-1630 11740
1230-1630 15115, 17880

EGYPT Radio Cairo (1)

0200-0330 9475

ETHIOPIA ETLF, Radio Voice of the Gospel (4)

0530-0545 11890
1930-2015 11890 (alternate freq: 11810)

FINLAND Finnish Broadcasting Company (2) (3)

0300-0400 9585 English/Finnish to NA
1400-1430 15185 Europe
1800-1830 15185 Europe
2300-2330 15185 to NA

FRANCE Office de Radiodiffusion-Telvision Francais (ORTF) (4)

0515-0545 7135, 9680, 9710, 11860, 11930, 15135, 15155, 15295, 17730(to Afr)
1030-1115 15295, 17720, 17730, 21580(to Afr)

GERMANY(East) Radio Berlin International ((2)

0100-0145 9730 ECNA
0230-0315 9730 ECNA
0330-0415 5955, 6165, 6080 WCNA

GERMANY(West) Radio Deutsche Welle, the Voice of Germany (1)

0130-0250 6010, 6040, 9545, 9605, 9765, 9690 ECNA
0435-0555 6010, 6085, 6145, 9545, 9605, 9765

GHANA Radio Ghana (1)

2000-2100 11850 (11853 since October 1973)

GREAT BRITAIN (Including relays at ASCENSION IS. and MALAYSIA) BBC (1)

Current schedule not at hand

GRENADA Radio Grenada (3)

1545-1930 9550
2000-2130 15105
2030-0030 5015
2145-0215 3300

GUATEMALA TGNA, Radio Cultural (4)

0300-0400 3300, 5955, 9505 (9505 may now be inactive) Occasionally extended
sked in English/Spanish to 0830*.

HAITI Radio 4VEH, The Evangelistic Voice of the West Indies (3)

1100-1215 6120, 9770, 11835
1215-1400 3340, 6120, 9770, 11835, 15280 (latter not heard recently)
(noted past 1515 weekdays in English)

Sun: 1100-1500 } 9770, 11835. Has been heard between 1500-1700 at times.
1700-2100 }

HUNGARY Radio Budapest (1)

0100-0130 6165, 7220, 9833, 11910, 15155, 17710, 21685
0300-0330 6165, 7220, 9833, 11910, 15155
0415-0445 6165, 7220, 9833, 11910, 15155

HONDURAS HRVC, La Vos Evangelica (3)

0300-0430 4820

ENGLISH LANGUAGE BROADCASTS(continued)

<u>INDIA</u>	All India Radio (4)			
	English General Overseas Services:			
	1000-1100	11775, 15205, 17775, 15190, 17830, 21555		
	1225-1235	9535, 11850, 15275, 15430, 17840.		
	1330-1500	11810, 15335		
	1745-1945	15080, 11945		
	1745-2230	7215, 9525, 11620		
	2045-2230	7260, 9912, 11740		
<u>INDONESIA</u>	Voice of Indonesia (4)			
	1100-1200	11713		
	RRI- Yogyakarta			
	1130-1200	5047		
<u>IRAN</u>	Radio Teheran (3)			
	2000-2030	9022	English to Europe	
<u>IRAQ</u>	Radio Baghdad (4)			
	1930-2020	9745	to Europe	
<u>ISRAEL</u>	Israel Broadcasting Authority (1) (3)			
	0500-0515	9009, 11700, 11860, 11945		
	1130-1200	11700, 16167, 17775, 17815, 17850		
	2000-2045	9009, 9625, 11700, 7260, 9785, 15105, 15160, 11960, 15315		
<u>ITALY</u>	Radio Rome, RAI (1)			
	0100-0120	9572	(60107)	
<u>JAPAN</u>	NHK, Radio Japan (1)			
	2345-0045	15445, 11725		
	0130-0230	15235, 15445, 17725, 17825		
<u>KOREA(South)</u>	Radio Korea (2) (4)			
	0300-0330	15335	to NA	
	0900-0930	6135, 9640, 15335		
	1100-1130	6135, 9640, 15335		
<u>KOREA(North)</u>	Radio Pyongyang (4)			
	1000-1100	9455, 12075		
	1200-1400	3560(?), 9455, 15630		
		Variable frequencies and sign off times.		
<u>KUWAIT</u>	Radio Kuwait (3)			
	1630-1900	15415		
<u>LEBANON</u>	Radio Lebanon			
	0230-0300	9545	to NA/Europe	
<u>LIBERIA</u>	ELWA (3)			
	2015-2100	11940		
	1900-2300	4770	(to 2245 Sundays)	
	0600-0815	4770		
	0630-0715	11950		
<u>LUXEMBOURG</u>	Radio Luxembourg (3)			
	0000-0205	6090	(English/German)	
<u>MONACO</u>	Trans World Radio (3)			
	0625-0800	7102v		
	0800-1000	9525	(Sunday)	
	0930-0945	9640	(Saturday)	
	0930-1000	9640	(Monday)	
	1500-1630	9640	(Monday)	
<u>NETHERLANDS</u>	Radio Nederland (1)			
	2130-2250	11730, 9715		
<u>NETHERLANDS ANTILLES</u>	(BONAIRE) Radio Nederland (1)			
	0200-0320	11730		
	0500-0620	9715, 6170		
		Trans World Radio (1) (3)		
	1100-1125	11815		
	1235-1430	11815		
		0030-0130	11705	(to Far East)

ENGLISH LANGUAGE BROADCASTS(continued)NEW ZEALAND Radio New Zealand (3)

0600-0845 6080, 9545
0900-1145 9520, 11705
2000-0545 15110, 17770 (best after 0100)

NIGERIA Voice of Nigeria, Radio Nigeria (4)

0530-0735 11900, 11925
1800-1900 15185, 11925 (All frequencies variable.)

NORWAY Radio Norway (1)

No current schedule at hand.

PAKISTAN Radio Pakistan (4)

1100-1115 15305
1300-1310 17845, 21590
2000-2100 11935, 11670

PAPUA Australian Broadcasting Commission (3)

0630-0800 9520
0715-1401 3925, 4890

POLAND Polskie Radio (2)

English/Polish Programs
0200-0400 5995, 6095, 6135, 6155, 7125, 7145, 7270, 7285, 9525, 9540, 9675,
11800, 11815, 11840, 11955, 15120, 15275,
(Not all used at one time.)

PORTUGAL Radio Portugal, the Voice of the West (1)

0200-0245 6025, 11935
0300-0345 11840
0400-0445 6025, 11935

RUMANIA Radio Bucharest (1)

0130-0230 5990, 6150, 6190, 9570, 9680, 11775, 11940
0300-0330 5990, 6150, 6190, 9570, 9680, 11775, 11940
0430-0500 5990, 6150, 6190, 9570, 9680, 11775, 11940

SAUDI ARABIA Broadcasting Service of the Kingdom of Saudi Arabia (4)

1000-1250 11855 Thar/Fri...to Eur/N.Afr./NA
1100-1250 11855 to Eur/N.Afr./NA
1700-1955 11855, to Eur/N.Afr./NA

SOUTH AFRICA Radio RSA (1)

2230-0242 9585, 9695, 11900, 11970

SPAIN Radio Nacional España, Spanish National Radio (1)

0100-0145)
0200-0245) 6065, 11925
0300-0345)

SWEDEN Radio Sweden (2)

1400-1430
0030-0100
0200-0230
0330-0400

SWITZERLAND SBC, Swiss Broadcasting Corporation (1)

0145-0215 5980, 6120, 11715, 9535
0430-0500 6015, 97507

TURKEY Radio Ankara (3)

2200-2230 11880 to Europe, North Africa

USSR Radio Moscow (transmitters in various Soviet Republics)

current sked not at hand

UZBEK SSR Radio Tashkent (3)

1200-1230 11730, 11925, 15115, 15460
1400-1430 11925, 15460

VATICAN CITY Vatican Radio (1)

0050-0115 5995

LISTENER'S



This month's LN will not contain our "ad hoc mini section" SURVEY RESULTS-SPOTLIGHT. We will pick up the SPOTLIGHT next month and continue the commentary on the remaining 36 stations. We have a number of good items which have been submitted by quite a few of our NASWA friends. Not wanting to delete any of these items, we have sacked the SPOTLIGHT. Any skeds you may wish to send to us will be greatly appreciated.

If you wish for them to be returned, please enclose a SASE. We are also collecting data on DX PROGRAMS. Info such as the name of the pgm, station, times, day of the broadcast, and area or direction of the beam will be of much value. You might find some of this info in pgm skeds which you are receiving from various stations, besides from actual on the air monitoring. Thanks, DJ.

ARGENTINA Rdf Argentina al Exterior, Buenos Aires, operates to Europe Mon's thru Fri's only, not weekends. EE s/off is 2350, noted on 11710. (R. Wood LA)

AUSTRALIA R. Australia's EE lang b/c to North America has been changed from 1115-1230, now at 1215-1315 on 9580 & 11710. (Lou Buchler, MO)

BELGIUM RTB's EE Winter sked lists the 2255-2315 transmission beamed to NA on 9655. Folks in S. Amer are advised to tune to 11810 between 0040-0100 when pgms are b/c'd for them. The "DX Corner" may be hrd every 4th Mon. (Ed Insinger, NJ)

BOLIVIA R. Panamericana, La Paz, has moved fm 6035 to 6049 (stn) Call for R Nac de Bolivia, La Paz, on 4785 is CP144; sked 08-0400 (stn) R. Norte, Montero, 1.5 KW on 4935; sked 1100-0300 (stn) R. San Miguel has moved fm 4700/4805 to 4690 (stn) New stn on 4420 is R Tupiza, R Potosi Industrial (sic) (SWB) 4467 nom, 4465 is CP142, R Movima, Sta Ana del Yacuma, Beni (SWB) 4669 is new freq, ex-3390 for R Sta Ana Del Yacuma (SWB) 5965 is new R Nacional, Huanuni, La Voz Sindicalista de Minero ???(sic) (Welcome aboard Glenn - Glenn Hauser, KOSU, Oklahoma)

BRAZIL 4885, R. Dif. Acreana, power is now 5 KW; sked 1000-0600 (Glenn Hauser)

EURMA has been noted now on 5045, up fm 5040; s/off at 1600. (Radio Nederland's DX Juke Box)

CANADA Ian McFarland, Producer of the "Radio Canada SW Club" has forwarded some advance info on their Fall/Winter sked. Radio Canada broadcasts to ECNA & Caribbean fm 0100-0155 on 11945, 9755, 6085 Britain & W. Europe 0630-0657: 9655, 6125
 1200-1255 15315, 11825, 5970 2058-2155: 11860, 9610, 6145
 Central USA 0400-0455 9655, 6135
 WCNA 0500-0555 9655-6135
 Africa (& C. Wootten) 1830-1914 21595, 17820, 15320 South Pacific 0830-0925: 9625, 5970

The "Radio Canada SW Club" is b/c on Sat's, taking up more or less the last 1/2 hour of the Sat xmsm; however, it is not b/c during the 0630-0657 b/c to Eur.

CANADA The RCI Sackville xmr is now being used for a new relay of the BBC WS beamed to NA fm 2300-0030 on new 9740. The RCI EE xmsm to ECNA & Caribbean fm 2300-2330 has been dropped to make way for this. Poor reception is noted in Baton Rouge, with HGJB splashing fm 9745. (Dr. Richard Wood, LA)

CHILE The Chilean regime has commenced a massive campaign of jamming against Radio-Havana and the South American svc of Radio-Moscow. The sound is that of a warble and/or a series of rapid electronic pulses, approx 160 per min. The broad-band jammers have a spread of + 15 kHz. 1.) Against R. Havana, on 17855, 17735, 15425, 15340, 15230, 15130, 11760. 2.) Against R. Moscow on 9800, 9775, 9720, 9640, 9610, 9450, 7330, 7205. Occasional tests of the jammers outside the bands have also been noted. Chile has thus moved into third position as a world jamming power. The source of the powerful new jamming xtrs is unknown, but does not come fm a conversion of Chile's SWBC xtrs, all of which continue to be noted in regular use. (Wood)

HOLIDAY GREETINGS Dan Jamison
 310 Roanoke Street
 Apartment 21
 Richmond, Virginia
 23225

Deadline: 15th



CHILE: continued on page LN-3

REQ. ALT. LOCATION GMT

2400

2300

2200

2100

2000

1900

1800

1700

1600

1500

1400

1300

1200

1100

1000

0900

0800

0700

0600

0500

0400

0300

0200

0100

0000

2400

8985

4395

4485

4610

4940

5015

5900

5910

5940

5955

5970

5990

6070

6080

6115

6130

6190

7160

7175

7200

7210

7246

7255

7275

7310

7380

9375

9500

9575

9587

9645

9770

9780

9790

11720

11860

11990

12240

8985

4395

4485

4610

4940

5015

5900

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5940

5955

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5990

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6190

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7175

7200

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7255

7275

7310

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9575

9587

9645

9770

9780

9790

11720

11860

11990

12240

8985

4395

4485

4610

4940

5015

5900

5910

5940

5955

5970

5990

6070

6080

6115

6130

6190

7160

7175

7200

7210

7246

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7310

7380

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Petropavlovsk, Kamchatka, USSR - 7160, 7175, 7185, 9581, 11860 kHz

	1700	1730	1800	1830	1900	1930	2000	2030
SUN	M	M	M	M	F	F	M	M
MON	M	M	M	M	M	M	M	M
TUE	M	M	M	M	MK	KR	KR	KR
WED	M	M	KR	KR	F	F	-	M
THU	M	M	M	M	MK	KR	KR	KR
FRI	M	M	M	M	F	F	M	M
SAT	M	M	KR	KR	F	F	M	M

CHILE - continued
 R. Nacional de Chile can be hrd on 15150; noted around 0200; Good reception. This used to be a R Corporacion outlet. (Victor Jaar, Canada)

CHILE delete sta on 9610 in WRTH 73. Add on 9630 CE963, 5 KW, new R. El Loa, Chuquicamata. (Glenn Hauser)
CHILE R. Pres.-Balmaceda, 9590 & R. Portales, 9570 are operating normally under their usual names and running all-night. Observed at 0600-0700. (Richard Wood)

CHART LEGEND: (another excellent job by Ace DXer Bill Davis)
 M MAYAK pgm (Moscow Relay)
 F Special pgm to Pacific fishing fleet (Vladivostok relay)
 MK Special pgm fm Moscow for Kamchatka
 KR Local pgm, identifies as "Kamchatka Radio"
 ▲ Times at which local ident is given; that at 1858 on Tues & Thur includes operating wavelengths.

CHINA R Peking's EE to NA xmsn has moved onto its midwinter freq's, using 11965 & 11375 at 0100-0155 // w/usual 15060, etc. Exact sked not yet known. (Dr. Richard Wood)

COLOMBIA La Voz del Centro, 6095, has been noted s/off at 0500 and inviting listeners to listen to their s/on at 1000. Announces as one of the "Emisoras - Super Radio." (many thanks Richard - Dr. Richard Wood, LA)

COLOMBIA New on 4795 is HJFU, LV del Comercio, Armenia, 1 KW (govt)
 New on 4875 is HJEG, LV del Norte, Cucuta, 2.5 KW (govt)
 gud Glenn 4935 is new on SW, R Cinco, Villavicencio, HJDE, 1 KW
 Glenn - New on 5010 is Emis Cultural Surcolombiana, Neiva, HJOX, 1 KW (govt)
 Hauser, OK) New on 5030 is Brisas del Citara, Quibdo, HJOT, 1 KW (govt) (hrd by Dexter)

DOMINICAN REPUBLIC 4860 is the correct freq for HIBC, LV de Progreso, S Fscs - de Macoris, new on SW (sta) (Glenn Hauser, KOSU, OKLAHOMA)

ETHIOPIA ETLF, V. of the Gospel has sked 'ld EE fm Nov. 4, 1973 to Mar 2, 1974

(LOU BUEHLER)	02	03	04	05	06	07	08	11	12	13	14	15	16	17	18	19	20	21	22
								7165					11890	15320		11900	6065		11890
													5190			9705		7145	
FINLAND EE								21605					9550	11755		9550			9585
								15185					9559						

(JIMMY JONES, TN)

GREECE Athens can be hrd daily in Greek fm 1900-1950. Excellent reception is noted; preceded by an IS ... on 9630. There is also a xmsn fm 1400-1450 on 17780 but is QRM'd by Vienna. (Victor Jaar, Canada)

GUINEA, REP Another expansion of jamming to a previously unjammed area is observed against R Conakry 9650 fm 2100-0800 and probably in 24 hr operation. This may emanate fm Portuguese Guinea (Bissau) although Conakry's b/c's, an African-accented French, should not be widely understood in Port. Guinea. (Dr. Richard Wood, LA)

HONDURAS LV del Junco, HRMH5, 6075, 3 KW, sked 1100-0100 (sta)

5972 is a new freq for HRWV, LV de Centro America, San Pedro Sula, 1 KW (Hauser)
HONDURAS HRN, LV de Honduras, now noted consistently fm 12-0600-good sig (Wood)

INDONESIA the network sta's of RRI Nusantara I of East Indonesia are sked 'ld fm

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	21	22	23	24
Ambon																					
Banjarmasin																					
Biak																					
Denpasar																					
Gorontalo																					
Jayapura																					
Kendari																					
Kupang																					
Manado																					
Palangkaraya																					
Palu																					
Pontianak																					
Samarinda																					
Singaraja																					
Ujungpandang																					

(Ace Pacific DXer, Jim Young, Calif)

ISRAEL EE newscasts on the IBA 300 KW powerhouse outlet of 11960 are at 2155, 0155, 0755 and 1550. (George Schnabel, New York)

JAPAN NHK EE to NA 2345-0045 has replaced 17825 by 11725. 15445 is unchanged and in // (Dr. Richard Wood, LA)

MALAYSIA RM-Penang, noted at 1100 w/nx on NF 4985 (R. Nederland's DX Juke Box)

MEXICO All of XEWW's SW xmters remain in irregular operation. 6165 noted abruptly coming on the air at 0426 on a Sat. 15160 is on daily during BBC NA svc fm 1500-1515 causing QRM. No variation of 15160 noted lately. (Dr. Richard Wood)

MONACO TWR, Monte Carlo, noted w/IS at 0410 and "Calling DXers" 0415-0430 on a Sat on nf 6165; target area was unannounced, Perhaps Eur & NA. (Dr. Richard Wood)

NICARAGUA New on SW is R,Catolica de Nicaragua, Managua, 9740 (govt) (G. Hauser)

PANAMA LV del Baru still lists SW 6045, 0.05 KW, sked 1000-0400. (many thanks Glenn - Hauser OK)

Peace Radio Casualty of War

TEL AVIV (UPI) - Able Nathan's ship Peace, an offshore radio station which has extolled the virtues of peace since May, has become a casualty of the Middle East war.

Nathan said the 8,000-ton converted freighter went out of business Sunday because no one cared enough to support it financially. Nathan, originator of the project, said he has raised only \$1,900 of the \$71,400 he needs to run it.

PHILIPPINES South East Asia Radio Voice (SEARV) is sked'd on 96650 fm 1200-1300, opening in EE f/by pgm'ing in Burmese and s/ooof at 1300 in EE (A. Cushman via R. Nederland's DX Juke Box)

PORTUGAL Adventist World Radio noted beamed to Eur in German on a Sunday on a frequency of 9670 at 0800. (DXer Richard Wood, LA)

PORTUGAL R. Portugal's Internat'l svc to ECNA is sked'd at 0200 on 6025,11935; to WCNA at 0345 on the same freqs. Special DX Pgms are aired every Mon at 0215 to ECNA and 0400 to WCNA. (thanks Ed ... Ed Insinger, NJ)

SAUDIA ARABIA is now carrying on experimental xnsms. According to an EE amcmt, are are b/c'ing fm 0300-0800, 1000-1400, 1500-2400; pgms are in AA, beamed to Arab countries; frequent ID's. SA has been noted on 6080,7110,7195,15205. They also since 5965, 5990,7235,9585,9625,11750,11880,15195,15250 in //. Rpts are requested to be sent to "Radio Engineering Dept, Ministry of Information, Riyadh, Saudi Arabia".(V. Jaar, Canada;J.A.F. Valdes,Canada; George Schnabel,NY)

SPAIN RNE b/c's to NA in EE 0100-0145,0200-0245,0300-0345, and continues to use 6140 as a reserve freq, irregularly replacing 6065. These b/c's are fm the Arganda xmt site. The b/c's fm 1300-1500 on 17805 and 2200-2330 & 0000-0600 on 9630 are fm Noblejas. (DXer's Richard Wood, LA and Jimmy Jones, TN)

SWEDEN R Sweden is re-evaluating its overseas xnsms and asking listeners to comment on present reception conditions and the convenience of present listening times, particularly so as not to conflict with popular television and other popular internat'l SW b/cs, and meals. It is seeking possible daytime xnsms when the SWEC bands are less crowded and propagation more regular. Comments should be sent to R. Sweden, S 105 10 Stockholm, Sweden. Morning svc to ECNA 1400-1530 is now on 21615, replacing 17825 and providing excellent reception. Evening ECNA b/c fm 0000-0230 is on 6000.(R. Wood; J.Jones;Mike Agner, NJ)

SWITZERLAND SEC's NA svc is sked'd fm 0145-0215 on 5980,6120,9535,11715. SEC also calls WCNA at 0430 on 5980 & 9750. The "Swiss SW Merry-Go-Round" is aired every second and fourth Saturday. (Ed Insinger, NJ)

TURKS ISLAND A letter fm Mr. William Grant, VS18's Info Officer in charge of B/c'ing, informs us that pgms on Tue & Thur are aired fm 1800 -((2300A)),on Sat fm 1800-2300. Other days, transmissions begin at 1830, probably lasting til 2300. The freq is 4788. Jim Hagen,ODDX, Virginia)

TURKEY The Voice of Turkey has EE at 2200-2230 on 11880. FF is also b/c at 2130-2200 on 11880 and 9515. S/off is in TT. (DR, R. Wood and Lou Buehler)

URUGUAY New station is Rdif, del Uruguay,CKA61, 6045, 1 KW, sked 1000-0300. New station is R. Internacional, Rivera, 4910, .15 KW, irr. sked (stn)

ETC. - IRC's Mrs. Edna Beachy, SW secretary of R.4VERH rpts via SCDX that IRC's "are almost impossible to redeem here in Haiti." She says 3 8¢ US stamps may be used to prepay an airmail reply of a QSL. US stamps may be acceptable at all missionary SW sta's w/offices/affil's in US. (interesting Jim - J. Jones)

CORRECTIONS TO INDONESIAN CHARTS Please make the following changes to your copies: Kupang T to LSI-J; Sumenep M to J; Denpasar Bali to LSI-J;Singaraja Bali to LSI-J. CORRECT SPELLINGS TO:Banda Aceh Banjarmasin, Singaraja, Surabaya, Ujung Pandang. (Prof. R. Wood, LSU and Jim Young, Calif.)

And so concludes another LISTENER'S NOTEBOOK, and also another year of DX'ing. A hardy word of thanks is once again extended to all of our contributors. We hope to hear from YOU soon!

Seasons Greetings and Happy Listening,

Ron



LOG REPORT

NOTE NEW LR ADDRESS:

NASWA LOG REPORT
M. R. LEONHARDT
P.O. BOX 1132
RICHMOND, INDIANA 47374
Deadline: 12th of month

With the DX season upon us, we ask that members omit reports of transmissions which are not shortwave broadcast in nature. This will help alleviate the crowding in the LR.

When reporting, write on only one side of the paper, list items in order by frequency. It helps the editors greatly if you use the format used in LR. Please avoid non-standard abbreviations. Leave space between each item, so the editors will have some room to work. Identify each item by your last name (or initial & last name). Mail direct to the LR address, in time to reach Mac by the 12th of the month. Thank you - HDQ.

- 2376 S.AFRICA SABC 0410 w/mx prog. poor lvl (Henderson-E)
2350 INDON. RRI-Yogyakarta on late 2005, ID as "Radio Chusus Pemerintah Yogyakarta" at 2024 then II sgs, anns, 10/12 (Tyson)
2360 GUATEMALA R.Maya beaut. S-9 sig. w/ID by OM in SS 1100 (Hend-E)
2390 GUATEMALA LV de Atitlan 0300 w/Guat. mx, 0330* (Collier)
2450 INDON. RRI-Jakarta on late, orch. mx, 2037, ID-2042 10/12 (Tyson)
2475 INDON. R.Angatan Udara 1947 II sgs, anns, 10/12 (Tyson)
2495 INDON. RRI-Bandung Moslem vocals, 2000 10/12 (Tyson)
3204 INDON. RRI-Bandung 1425tx into def. ads for ___? till 1436-Hindu mx (Henderson-W)
3210 MOZAMBIQUE R.Clube OM in PP 2130 (Henderson-E)
3220 PAPUA/N.G. R.Morobe 1001 ID in Pid. into US c&w mx (Hend-W)
3240 PERU R.America Andean mx 1045 f/o 1100 (Collier)
3241t MOZAMBIQUE R.Clube OM in PP fair @2130 (Hend-E)
3245 VENEZ. R.Libertador 0215 SS tx by OM hets (Duba)
3255 VENEZ. LV del Tigre 0200 SS lcl mx, 10/17 (Zilmer)
3260 CHINA Kweiyang 1414 GC tx (Tyson)
3277 PAPUA/N.G. R.South.Dist. mixing w/RRI-Jakarta poor at 1300 w/Pid. & lcl mx (Henderson-W)
3286 PHILLIPINES PBS ID-1400, 1330 w/request mx prog. ID for PBS, surprised to hear this!! (Henderson-W)
3290 VENEZ. R.Trujillo 0225 SS, lcl mx 10/17 (Zilmer)
3294 INDON. RRI-Samarinda 1242, gud w/nx after mx prog. till 1300 (H-W)
3300 WINDWARD ISLDS. 2245-0213 class, mx, BBC nx (Mayer,Leonhardt)
3320 N.KOREA 0940 tx by YL in lang. (Red Oak Mtn. DXpedition ROM)
3315 MARTINIQUE presumed FF OM 2250-2340 (Abraham)
3316 SIERRA LEONE SLBC 2300 w/nx, ID 10/13 (Mayer)
3320 S.AFRICA SABC 0404-0415 t/o Afrikk. 10/17 (Tuchscherer)
3322t PAPUA/N.G. R.Bougainville EE nx 1116 (Isen)
3325 GUATEMALA R.Maya 1145 SS tx 10/20 (Zilmer)
3350 GHANA lcl mx, poor 2255 10/12 (Mayer)
3360 GUAT. LV de Nahuala 0400 SS (Abraham) 1130 (Zilmer)
3360t PAPUA/N.G. R.Milne Bay 1125-1150 EE mx, tx (Isen)
3366 GHANA lcl choral mx, EE ID 2000 11/14 (Mayer)
3375t ANGOLA Em.Of. 2330 PP 10/4 no pos. ID (Schwartz)
3380 GUAT. R.Chortis 0005-0205 SS mx,tx, abrupt s/off 0208 (Duba, Collier,Tuchscherer)
3385 PAPUA/N.G. R.Rabaul 1132-1145 EE, mx, tx (Isen)
3385 FR.GUIANA ORTF 0127 FF mx, 0135* w/NA (Miller)
3390 ECUADOR R.Zaracay SS OM tx, Andean mx 0340 (Abraham)
3396 RHODESIA REC 0352 IS, *8355 gud sig. EE, IS similar to Vatican IS bells (Abraham)
3535 CHINA Fukien 1200-1240 CC tx, mx // 3900 (Behr,Tyson)
3668 TIMOR R.Dili 1200 PP nx, 1225 mx to 1330 f/o 10/7 (Behr) 1200 lite pop mx, fading 10/22 (Collier)
3830 CHINA Peking CC tx 2055 10/12 (Tyson)
3905 INDON. RRI-Palang Karaja 1516 ID, then Hawaiian guit. mx, (Tyson)
3915 MALAYSIA BBC Tebrau 2323 II/EE, nx in II 2323, 2330-"This is the BBC" (Martin)
3916 INDON. RRI-Ternate 2102 II tx by YL 10/12 (Tyson)
3925 INDON. RRI-Bogor II nx fr. Jakarta 1508, lcl ID-1514 (Tyson)
3925 JAPAN NSB Tokyo JJ tx 2050 10/12 (Tyson)
3935 INDON. RRI-Semerang 1027 pop mx into nx-1100 (Henderson-W)
3945 NEW HEBRIDES Vila here 0725-0804 t/o w/Pid. & FF prog. lvl mod. strong, best noted on low "A" index days from WWV (Hend-W)
3945 INDON. RRI-Denpasar fair at 1125 w/mx prog. 1100-nx (Hend-W)

- 3945 INDON. RRI-Jayapura 0810 w/EE lesson, gud, ham QRM (Hend-W)
- 3960 INDON. RRI-Padang II sgs 1155 10/12 (Tyson)
- 3970 CAMEROON R.Cameroon hrd on tues. 10/16 using this name on 3970 from 2048-2203* This is 1 hr. later than noted in RTH. prog was in EE (Valdes)
- 3975 INDON. RRI-Surabaya 1146 pop/c&w mx, fair into nx from Jakarta at 1200 (Henderson-w)
- 3975 ENGLAND BBC poor in FF 0510-0530, 0530-Hungarian, why would BBC use such a freq? (Abraham)(3975 is for BBC European svc. bdcstg in Czech,Slovak,Greek,Ital.,Polish, etc.-ed.) IS into Polish w/nx 0500 10/27 (Mayer) 0545-0550 GG tx by OM 10/25 (Lineback)
- 3980 W.GERMANY VOA Munich 0500-0605 EE, mx, nx on hr. 8 kw. list 10/25 (Lineback)
- 3985 ECUADOR R.Esc.Pop. 1045 SS 10/17 songs, mx (Zilmer)
- 3995 SOLOMON ISLDS 0945 mx, tx (ROM)
- 3996 W.IRIAN RRI-Biak 1130 ID in II, lcl nx, into c&w mx (Henderson-W)
- 3997 S.AFRICA SABC 0315 EE, Afr. mx 10/18 (Zilmer)
- 4660.5 LAOS Pathet Lao sta. 1626 w/Lao tx (Henderson-W)
- 4678v ECUADOR R.Nac.Esp. 0540-0605, 1100, SS, Ecuad. mx, ads, (Earhart, Wallace,Zilmer)
- 4698 INDON. RRI-Surabaya 1500-ID, in II by OM, gud (Henderson-W)
- 4701 N.KOREA Pyongyang fair 1410 w/KK tx (Henderson-W)
- 4719 INDON. RRI-Makassar 1255-1300 II, orch.mx, pips, OM tx (Lineback)
- 4725 BURMA Rangoon lcl lang tx 1100 10/13 (Tyson)
- 4730t AZAD KASHMIR 2340-0000 chants(Hindu type), w/ment. of Pakistan, also OM spkr w/EE & ment. of 'standardization', puzzled re:time factor (Martin)
- 4751 ZAIRE Lumbumbashi 0405-0420 t/o vern. w/Afr. mx (Tuchscherer)
- 4755 COLOMBIA Em.Nuevo Mundo 0510-0550 SS, LA mx, TC, ID (Wallace, Gendron)
- 4755 BRAZIL R.dif.Maranhao 0230-0259* anns, nx, PP, off w/no anthem (Lineback,Tuchscherer)
- 4760 INDON. RRI-Medan ID-2207 "RRI Nusantara Sath Medan" then II songs 10/6 (Tyson)
- 4765 ECUADOR GRE Guyaquil 0354-0400* SS, nx foll. by "GRE" & NA (Patterson)
- 4765 CONGO RTVC IS 0420-0429, mx, FF tx to 0430, NA, FF, ID & fqy. (Burlew) 0500 NA & ID (Wallace) 2230-2240 FF mx, tx, (Lineback)
- 4770 N.KOREA Pyongyang KK tx 1336 10/13 (Tyson)
- 4770 VENEZ. R.Bolivar 0215,0930 LA mx, TC's, (Duba,Pachka)
- 4774v DOM.REP. Onda Musical mx, dwm fr.4775 (Duba) time?-ed.
- 4780 AFAR & ISSAS 0652 drum beats, strange clipped chanting and singing to*0700 w/ "Ici Djibouti" (Schnabel,Straus) 11/27
- 4780 HONDURAS R,Juticalpa 1055-1155 SS, ID, mx, ment. of "Santa Cecilia en Juticalpa" (Patterson,Lineback,Tuchscherer)
- 4780 ECUADOR R.Atahualpa 1145-1150 SS, pops, OM w/anns, ment. Ecuad. & Galapagos 10/15 (Lineback) 0410-0505 SS w/ Andean mx, TC, no ID hrd 9/30 (Patterson)
- 4782 MALI Bamako 0555-0601 FF, martial mx, OM w/ID at*0559;45(Lineback)
- 4782 DOM.REP. Onda Musical 0142 SS, LA pops (King)
- 4785 COLOMBIA Ecos del Combeima vy gud lvl 0602 t/i off in mid song 0604 10/21 noted in clear 0230 t/i 11/1 but covered by UTE in 20 min. (Dexter)
- 4786 S.AFRICA SABC 0000 EE pop mx, thought some comm's. (Martin)
- 4788 TURKS ISLAND 10/17,20, 11/2,3 US pops at 2115,BBC nx 2120, VOA nx-2138, carrier off 2202, sometimes 2207,2137, on 11/3 peaked at S-20 w/the foll. ID -- "You are list. to VS18 trans. from Grand Turk, 500w. of power coming to you, This station is really operated and owned by Cable & Wireless West Indies Ltd" or "This is R. 4788" hrd during trop. storm Gerta but 11/3 recep. there were no storms Incredible (Robinson) 2138-2152 EE, mx, anns (Isen,Burlew)
- 4789.5 W.IRIAN RRI-Pak Fak ID-1200, into nx from Jakarta, UTE QRM (Hend-W)
- 4790nf.S.AFRICA SABC noted AN w/EE,Afrikk. typical SABC prog. (Perdue, Leonhardt,Duba,Behr,Isen,Robinson,Collier,Mayer,Tuch'er,Miller)
- 4790.5 PERU R.Atlantida 0200-0456* Andean mx, SS, ID, pops (Collier,Behr, Martin,Abraham,Patterson)
- 4795 ANGOLA R.Comm. 2040 w/OM in PP anng. futebol game or other sport event (ROM) UNID in PP w/tx fr. 2100(Robinson) this is prob.it-ed.
- 4800 VENEZ. R.Lara 0315-0400* SS, LA pops, ID & NA at 0400* (Wallace, Burlew,Patterson)
- 4806-7 BRAZIL R.Amazonas 0230-0320 PP, mx, Id, ads, jingles (Patterson, Roberts)
- 4815 UPPER VOLTA RTV 2210 vern & FF cmtry, vern to 2231, then FF (Miller)*0600-0605 FF, Afr.mx 10/22 (Lineback)
- 4820 HOND.REP. HRVC 0305-0320 SS/EE w/end of SS prog. ID, then Billy Graham (Patterson)

- 4820 GAMBIA RG 2010-2300 US pops, Afr. mx, EE anns. some vern. (Robinson, Tuchscherer, ROM)
- 4825 USSR "Govorit Vladivostok" hrd at 2200* w/NA, s/off dual to Baku 4785 (Robinson) Steve & Doug, this is prob your RM UNID-ed.
- 4830 S.AFRICA RSA EE tx & anns to 2115* (Isen) ??? S.Afr-Rhod. 0420-0430 EE, RSA ID 0430 but maybe Rhod. w/SABC nx relay on 4828 (Perdue) UNID Afr. 0430 pop mx, EE anns, 11/1 (Behr)
- 4930 VENEZ. LV de Tachira *1000-1045 LA mx, anns (Collier, Tuchscherer)
- 4832 COSTA RICA R.Capital 2345-0430 w/the usual (Brown, Wallace, Martin, King)
- 4839 ZAIRE R.Bakavu 2020 OM FF tx (ROM)
- 4840 VENEZ. R.Valera 0320-0401* SS, LA pop mx, ID YV NA at s/off (Miller Patterson)
- 4843 CONGO Pt.Noire 0445-0505 Afr.mx, OM vern., on early (Tuchscherer)
- 4845 COLOMBIA R.Bucaramanga 0033-0250, 1048-1106 SS, ID, LA mx, ads for Banco de Col. (Dexter, Burlew, MillermPatterson, King)
- 4845 BOTSWANA RB 1824 Setswana tx, sgs, ;0/30 (Tyson) 2015 mx, EE tx, 2016 (ROM) 0354 bell IS, *0400 ID in EE/Vern 10/30 (Mayer)
- 4850 MAURITANIA RN 2208 FF, drums, bhants, (Miller) 0700-0715, 0715-nx QRN (Earhart)
- 4850 UNID hrd RR some days (prob.Tashkent), & CC some days (prob.Peking) 1200-1230 (Tyson)
- 4855 PERU R.La Hora, Iquitos 0220 ID as "La Hora, Iquitos", that's a nice catch I think (Schnabel) 1st time I've seen it -ed.
- 4855 MOZAMBIQUE R.Clube 0400 chorals, ID 0402 in PP 10/14 (Mayer)
- 4855 COLOMBIA R.Neiva 0240 SS, OM tx, 10/15 (Lineback) 1054-1108 SS w/ campesino (LA c&w) (Patterson)
- 4855t BRAZIL R.dif Taubate 0020 PP tent ID as Taubate during brief f/i (Perdue)
- 4860 VENEZ. R.Maracaibo 2330-0350 SS. LA mx, ID (King, Gendron, Wallace, Estes)
- 4865v COLOMBIA LV del Cinaruco Caracol ID's 0417-0605 SS, LA mx, US pops, (wallace, Patterson, Tuchscherer)
- 4865 AZORES PP futebol game 2030 (ROM)
- 4865 BRAZIL R.Cl do Para 0240-0400* PP, mx, sports, jingles, pops (Duba, Roberts, Patterson)
- 4870 DAHOMEY Cotonou 2145-2235, *0512-0550 FF, tam-tam IS, 1cl mx (Lineback, Tuchscherer, Burlew, Wallace)
- 4870 VENEZ. R.Trpoical 0345 tx by OM in SS abt LA (Mayer)
- 4871 ECUADOR R.Rio Amazonas 1049-1105 Indian lang. believed Quecha or Jivaro (Patterson)
- 4871 INDON. RRI-Sorong W.Irian 1133 w/II tx (ROM)
- 4875 S.AFRICA SABC 2100, 0358 Afrikk. 2100 nx (Isen, Mayer)
- 4877 S.VIETNAM 1440-1450 VV, viet mx (Nebron) 1033 VTVN Saigon YL in VV w/nx (ROM)
- 4880 VENEZ. R.Universo 0140-0400 SS, LA mx, EE vocals, r&r mx (Patterson Brown)
- 4881v DOM.REP. R.Comm. 0528-0620 SS, LA mx, TC, ID (Patterson, Earhart)
- 4885 COLOMBIA Ondas del Meta 0435, 0609 LA mx, Id, TC (Rbts, Gendr, Perd)
- 4885t MARTINIQUE ORTF tent. here 1950 w/OM in FF & pops, fading (ROM)
- 4890 VENEZ. R.dif. 0030-0401*, 0330*, US pops, 0030-nx (Gendron, Schwartz Martin)
- 4890 PAFUA/N.G. VLT4 1100-1120 EE, ABC nx-1100 "This is ABC Papua/N.G." (Patterson, Burlew)
- 4890.8 MOZAMBIQUE RQM Beira sgs & guit. mx, 0407-0417 $\frac{2}{3}$ o nice PP ID by YL 0415, no QRM on MF 10/15 (Burlew)

This month Dan Henderson reported from 2 QTH's, W or west was from the Seattle, Wash area and east was with the Red Oak Mtn. group in Virginia. On this DX pedition were Dan, Ed Shaw, Larry Yamron, Scott Reeves, Dan Jamison and if I left any one else out-sorry. 73's till 74-----ERS

WORLD RADIO TV HANDBOOK The World Radio TV Handbook is an absolute MUST for the serious Dier or the casual listener. This book, published annually, running (usually) around 400 pages, gives a complete run-down of SWBC (and MW & TV) stations throughout the world. The price is \$7.50. HOWEVER, NASWA members can purchase a copy through the club for just \$6.50. Order from NASWA HDQ, Box 8452, S.Charleston, WV 25303. The book will be shipped upon arrival in the US in mid or late January. Get your order in by December 31 in order to insure that you are included in the first shipment. For shipment via UPS, add \$1. When ordering, please print or type your name on a 3 by 5 inch index card or piece of paper. This is a must Thank you.

LOCAL BRANCH TO BE FORMED in the PITTSBURG AREA. A result of the recent area meeting in Pittsburg was the decision to increase personal contact among members in the area. Contact QSL Editor Larry Yamron for further details.

- 4790 ECUADOR Em Atalaya 0131 SS 10-31 M with US pop mx, talk, ID 333 (Paschke) Welcme,
 4900 ECUADOR R Libertador 0130 armts, Ecuadorian mx, ID 0200* (Collier) Billi FH
 4900 CELEBES RRI-Gorontalo 0933 Indon talk, ID 0941 F (Henderson-W)
 4904 CHAD Ft Lamy 2220 local mx, FF talk and ID 10-13 P (Mayer)
 4905 BRASIL R Relocio 2330 PP Programa Nac preacher, Mejoral ads G (Martin-Eu)
 4905v COLUMBIA Em Atlántico 2345 SS 10-22 nx with chimes, ID G (Perdue) SS, LA mx 0103-
 0125, ID, tough ute 10-7 F (Burlew) 0520 SS ID, pop and local mx F (Martin-Eu)
 4907v KHMERE REP Phnom Penh 2300 CC, Asian and western melodies, female singer with
 Beautiful Dreamer, better clarity (Martin-Eu) 1145 Asian mx, W talks (Heutte)
 1626 EE pops G (Henderson-W)
 4915 COLUMBIA R Guatapurí 0455 SS 11-3 LA mx, ID, 0500* with NA FG (Miller)
 4915 GHANA RG 2155 vernac 10-26 African mx 443 (Zilmer) 0601 N:E strong (Wallace) 0600-
 0618 W with local nx, some GRM, 11-3 dual 4980 to 0615; 333 (Earhart) 2220-2230 lang,
 mx, talk, western and African pops 10-22 P (Lineback) 2240-2300* native mx, nx by W,
 ID, national sweepstakes winner, 11-13 FG (Earhart) 2245 ID, N:E 10-19 E (Burlew)
 2255-2300* vernac, rel pgn, 10-16 433 (Schwartz)
 4915 KENYA VOK 0623-0642 vernac talk to 0630, pipe organ mx, group singing, drum mx, fading
 10-13 343 (Earhart) Due to late hour, probably Ghana instead, Ken. FH
 4920 AUSTRALIA Brisbane 0730 EE, earliest ever heard (Isen) 1100 N:E still G (Schnabel)
 N:E 10-19 E (Burlew)
 4920 HONDURAS R Progreso 0055 SS 10-31 M&W IDs, LA mx, talks 232 (Paschke) 0200* SS 10-10
 ID, mx (Schwartz) SS ID 1056, talk by man, irreg sign-on; 10-11 G (Burlew)
 4920 INDIA AIR-Madras Indian mx F 1615 (Henderson-W)
 4920 USSR RM IS hrd weakly in QRN 2055-2100 10-15 (Burlew) GG talk 2130 10-20 P (Mayer)
 2130-2158 GG 10-4, N:G, QRN 322 (Schwartz) Please, Richard and others: *2100 is
 2100 sign-on; 2100* is 2100 s/off. Thanks! FH
 4923v ECUADOR R Quito 0135 ID, ads, LA mx F (Estes) 0149 SS 11-1 singing ads, ID G (Miller)
 0230 11-4 SS non-stop mx, ID La Voz de la Capital 454 (King) 0230-0305 SS continuous
 light mx, no armt until 0300, then ID (Leonhardt) 0305 live soccer match VG (Duba)
 0400 SS, classical mx, nx, armts 11-1 G (Brown) 0405-0425 classical orchestral mx,
 old favorites, ads, ID 0415 11-20 353 (Earhart) ID 1100, chimes IS, talk by M&W 10-19
 F (Burlew) 1100 SS 10-17 local Ecuadorian mx 544 (Zilmer) 1125-1135 SS 10-24 LA mx,
 bulletins (Tuchscherer)
 4926 EQUATORIAL GUINEA R Bata 0440-0505 SS 10-18 African mx, M anc (Tuchscherer) 0505
 continuous African mx, no armts 10-17 322 (Gendron)
 4926 SUMATRA RRI-Jambi 1147 man in Indon with local mx P (Henderson-E) 1202 Indon mx, talk,
 F (Henderson-W)
 4930 DOMINICAN REP R Mil 0030 armts, LA mx, to 0400* with NA 11-1 333 (Brown) 0125 10-21
 SS LA mx, nx 444 (King) 0920 SS 10-31 M, SS mx, IDs, TCs 343 (Paschke)
 4930 USSR RM xmt site unknown, 0430-0510 W in RR, classical mx (Reeves)
 4932 JAVA RRI-Surakarta 1103 W nx, pgn from Jakarta E (Henderson-W) 1145 man in Indon, W
 in EE, lang lesson G (Henderson-E) 1612 drama in Indon E (Henderson-W)
 4932 NIGERIA NBC-Benin City *0433 EE drumming IS until 0435 ID 10-17 333 (Gendron) 2215
 concert hour, 2301 ID, 2306* (Isen) Nice catch from WCNA. FH
 4937 ANGOLA R Clube do Lobito 2105 M in PP soccer G (Henderson-E) Dual 4985 R Ecclesia
 one day at 2107; also 2300* (Robinson)
 4940 ECUADOR R Nac 0445-0505* SS 10-26 Andean mx, NA (Tuchscherer)
 4940 IVORY COAST RIVI 0605-0615 FF, pops, armts by M, sloop from R Colosal 10-22 G
 (Lineback) 0630-0645 mx, talk by M, choral group with male soloist, considerable
 GRM from Colombia 4945, dual 11920 weaker; 10-21 322 (Earhart) 2215 FF talk, no mx,
 F (Wallace) 2245 vernac 10-26 African jazz mx 443 (Zilmer)
 4940 VENEZUELA R Yaracuy 0025 SS 10-30 two M talking, ID, TC, LA mx 232 (Paschke) 0136 SS
 10-30 ID, ads, LA mx, F (Miller)
 4945 COLUMBIA R Colosal 0616 SS talk, IDs by M, F (Wallace) 0645-0706 rockenroll, pop
 songs, frequent IDs 10-21 343 (Earhart)
 4950 SARAVAK RMS CC pgn, organ mx, CC armts 1045 10-13 (Tyson-Pac)
 4955 COLUMBIA R Nac AA chants 0345-0400, SS ID 0400 10-18, G (Mayer) Wierdt FH
 4960 ECUADOR R Federación 0120 SS 10-30 ID, LA mx F (Miller)
 4955 SUMATRA RRI-Banda Aceh 1345 Indon songs 10-13 (Tyson-Pac)
 4960 VENEZUELA R Sucre 0345-0401* SS 10-19 bulletins by M&W, NA (Tuchscherer)
 4968 SRI LANKA Colombo subcontinental mx 1608 F (Henderson-W)
 4970 SABAH RMS-Kota Kinabalu 1040 talk 10-13 (Tyson-Pac)
 4970 VENEZUELA R Rumbos 0506* SS 10-23 cising armts, IDs, NA, G (Perdue) SS nx, mx 11-1,
 444 (Nebron)
 4972½ CAMEROON R Yaoundé 0510-0530 10-19 M in vernac, mx, F (Tuchscherer) 2130-2200 FF ID,
 nx, PP, RTTY on high side, 10-25 (Burlew) 2130 FF African mx, ID 11-7 322 (Gendron)
 2250 pop mx, FF, ute 10-6 333 (Earhart)
 4972v FRENCH GUIANA CRTF 0125 FF 11-1 songs to 0135*, NA F (Miller)
 4975 PR CHINA Foochow CC talk 1147, ID 1159 10-17 (Tyson-Pac)
 4980 GHANA GBC N:E, ID 0600 10-21 E (Burlew) 2220 EE talk, ID G (Wallace)
 4980 TADZHIK SSR Dushanbe 0050 RR chants, two-stringed instrument, W anc IDs for Govorit
 Dushanbe at 0055 (Martin-Eu)
 4980 VENEZUELA Ecos del Torbes *0945 G (Abraham)
 4985 ANGOLA R Ecclesia 0442 S9 signal, mx, PP ads, two gongs 0446, ID 0459 (Robinson)
 *0400, church mx, 0444 pops E (Henderson-E)
 4985 MALAYSIA RM-Penang EE pops 1610 F (Henderson-W)

- 4990 VENEZUELA R Barquisimeto 0115 SS 10-31 M with SS mx, talk, ID, TC, 333 (Paschke)
 4990 Unid 0611 talk in lang by M, heavy RTTY QRM, P (Wallace)
 4995 BRASIL R Brasil Central 2330-0305, PP songs, LA mx, US oldies; S9 plus 20 at 2330, S2 at 0305, believe power cut at 0215, 10-13 generally G (Burlew) 0200 PP 10-21 talk, mx 433 (Zilmer)
- 5000 SOUTH AFRICA ZUC time pips 0015 CW ID, G (Heutte)
 5000t NEPAL Kathmandu, oriental mx VP under WWV WWVH, 11-1 at 1245 (Mayer)
 5010 CAMEROON R Garoua 0510 presumed with AA chants (Wallace) 0503-0520 10-22 chants, M in lang (Tuchscherer) 2130-2145 chants 11-4, P (Mayer) 2130-2200 African mx, singing, talking drums, FF ID 2155, then nx in vernac, some RTTY 10-3, G (Burlew)
- 5010v PERU R Eco SS ID 0235, singing ID, LA mx 10-13, F (Burlew) 0324 10-28 SS IA and US mx, 433 (King) 0330 LA mx, SS ID and anthem to 0507*, G (Behr) 0333 R Eco Iquitos ID, common IA format, no Andean mx, G (Schnabel) 0351 LA mx, echoes (Collier) 0400 SS, at 0405 Serenata Peruana, P (Guarducci)
- 5010 SINGAPORE RS CC mx 1610 G (Henderson-W) 2300 CC semi-martial mx, perhaps nx at 2300, after pips; western style pop mx with Chinese flavor (Martin-Eu)
 5010 Espionage 0602 SS numbers (Wallace)
- 5015 ASIATIC RSFSR Vladivostok strongest signal on band 1645, RR mx (Henderson-W)
 5015 BRASIL Rdfid do Pogoos do Caldas 0120 PP talk, ID 0130, mx, TC 333 (Roberts-UMDX)
 5015 EUROPEAN RSFSR Presume Archangelsk 0215; seems early; M&W in RR, flutter, 11-1 F (Dexter) RR talk, mx, NA to 2105*, first logging here this season 11-23 (Heutte)
- 5015 WINDWARD ISLANDS RG 2237-2247* BBC mx, ID 322 (Schwartz) 2300-2315 BBC mx, cntry, local ads and mx 10-12, E (Burlew) 2300-2315*, back on 2317; classical mx, F (Wallace) 2330 EE 10-18 nx and events 433 (Zilmer)
- 5020t NIGER RTN-Niamey *0530-0540 lang, maybe some FF; African mx 10-22 F (Lineback)
 5025 PERU R Quillabamba 0145 10-21 SS IA pop mx, ID, TC, ads, 353 (Roberts-UMDX)
 5026 UGANDA Kampala 0407 M talks, possible ID 0415, mx pgm (Robinson) t 2051-2106* on 11-4 with instrumental mx, ammts, nx, NA (Collier)
- 5030v COLOMBIA Brisas del Citara, 0330 LA mx, many IDs to 0405* with NA, G, dual 1150 (Behr)
 5030 VENEZUELA R Continente 0315 10-20 SS LA mx, 433 (King) 0450-0501* SS nx on Middle East war 10-20, 222 (Gendron) Rapid SS talk 1055, chimes, ID 1100, QRM, 10-12, F (Burlew)
- 5033 ANGOA R Clube da Cabinda 0454 drums & flute, 0458 anthem, 0500 PP ID, gone 0525 (Isen)
 5035 COLOMBIA LV de Caquetá SS 10-21 0210 LA mx, ID, TC, 323 (Roberts-UMDX)
 5035 Unid 0330-0400 old US rock, no ammts in between, then SS or PP past 0403, 10-15, VP (Burlew)
- 5035 CENTRAL AFRICAN REP Bangui 0530 soft ~~FF~~ talk by M&W, F (Wallace)
 5038 CENTRAL AFRICAN REP Bangui 2115 strong with African jazz, some FF spoken (Martin-Eu) 2130 FF 10-26 African mx 343 (Zilmer) 2245-2259 local mx, FF ID, sign-off ammts, NA, 2303* 10-12, G (Burlew)
- 5040 GEORGIAN SSR Tbilisi *0200 with NA, RR M talking, low het with Peru 11-24, F (Heutte)
 5040v PERU R Libertad de Junin on late for weekend with Indian mx past 0730 (Collier) ID, Andean mx 0634 on 10-21, F, frequency 5042 (Dexter)
- 5045 BOLIVIA LV del Altiplano 10-21 0225 Andean and other LA mx, ID 0231, TC 354 (Roberts)
 5045 PERU R La Convencion Quillabamba, Andean mx, 43444 (Schnabel) ID?
 5045 WEST IRIAN RRI-Merauke 1033 nxcast, G (Henderson-W)
 5047 TOGO Lome 2025-2130 FF talk, African and US mx, ID 2130, 10-3, G (Burlew) 2145 FF 10-26 play 443 (Zilmer) 2210 FF talk, loud (Wallace)
- 5050 TANZANIA RT 0505 lang 333 talk by M&W (Gendron) Doubt it, more likely Tirana, G. FH
 5050 VENEZUELA R Mundial 0037 SS 10-31 M with talk, IDs; local mx, 232 (Paschke) 0205-0215 LA mx, then ID in SS, 10-10, RTTY, F (Burlew) SS 9-30 0430 music and talks by M&W 44344 (Wooten-Afr)
- 5052 SINGAPORE RS 1614 with orchestral mx, E (Henderson-W)
 5065 KARELO-FINNISH SR Petrozavodsk N.R. 0430, G (Henderson-E)
 5075 COLOMBIA R Sutatenza 0204 long fanfare, Colombian mx, RTTY, also IDs as R Colombia, 10-10, G (Burlew)
- 5095 COLOMBIA R Sutatenza 0151-0200*, IDs, talk by M&W, all SS, not dual 5075, abrupt off, 10-10, E (Burlew)
- 5110v Unid chanting by M 0135-0143, talk by M in lang, chanting again 0145, steady utes, VP; also noted 2230 10-15 with opera, harmonic or image? (Burlew)
- 5260 INDONESIA RRI-Sibolga II songs 1135, 10-12 (Tyson-Pac)
 5873 HONDURAS LV de Honduras 0000 SS talk and jingles 11-8, 333 (Gendron)
 5900 ASIATIC RSFSR RM HS 0100-1700* with QRM from CC Soviet svc on same until 1600* (Davis)
 5940 USSR RM ES talk 0145, RTTY 10-29 FF (Burlew)
 5954 COSTA RICA R Casino 0525-0605 continuous mx, Canada QRM, IDs as Station TIQ, 10-7, 333 (Earhart)
- 5955 FRANCE CRTF IS 2030, FF ID and nx, 10-25, E (Burlew)
 5955 GUATEMALA TGNA EE rel pgm to 0430, then SS 10-30, 444 (Brown)
 5965 BRASIL R Guabá PP 2330 10-6, F (Brook) 0045 PP 11-1 sports dual 11785, 433 (Zilmer)
 5965 SAUDI ARABIA Riyadh *0300 10-29, IS, NA, ID; Izaat til Manlakatal-Arabiyah as-Saudiyah min ar-Riyadh, short nx, AA chants, 354 (Roberts) 0300 AA pgm and chants, F (Behr) 0304 EE 11-4 test xmsn sked, AA chants, F (Miller)
- 5970 DOMINICAN REP RTVD 1006 SS 10-31 M&W talk, nx, IDs, 333 (Paschke)
 5980 EL SALVADOR YSS piano mx 0145-0150, SS ID, BEC splash, 10-10, F (Burlew) 0423 classical mx, ID, to 0450*, some QRM, 10-13, 434 (Earhart)
- 5985 USA WYFR (Your Family Radio) 0045 SS pgm dual 9715 11855 15215 (Behr)

- 5987 CELEBES RRI-Menado 1250 Indon songs, amts 10-8 (Tyson-Pac) 1353-1435 Indon 10-29
US pops, talk by M (Tuchscherer)
- 5995 MALI R Mali 2300 FF 10-26 talk, mx, 433 (Zilmer)
- 5995 VATICAN CITY VR 0100-0115 EE talk 10-11, 333 (Earhart) 0100-0115 9-27 N:E, talk(Brown)
- 6000 AUSTRALIA RA 10-7 N:E, DX pgm, Listeners Choice, cmtry; 1110; noisy, F (Wilson) 5995?
- 6000 BRASIL R Inconfidencia 0030 PP futebol cmtry, under Sweden (Martin-Eu)
- 6000 SWEDEN RS 0000-0230 ex 9665; SS 0000-0030 0130-0200; EE 0030-0100 0200-0230; Swedish
0100-0130; new 500-kW xmttr at Horby, P (Jones)
- 6005 CANADA CFCX 1833 contemporary mx, football scores, F (Wallace)
- 6006 COSTA RICA R Relej 0910 SS 10-14 M with IDsm talk, TCS, SS mx, 333 (Paschke)
- 6014 PARAGUAY R ZPA1, mx, man in SS 0945, under splatter, P (Henderson-E) ID?
- 6015 BRASIL R Clube de Pernambuco 0035 PP 11-1 rapid talk (Zilmer)
- 6015 COLOMBIA R Mira 1115 SS 10-22 talk 433 (Zilmer) 1130 SS ID and mx, also 0430, G (Behr)
1150 with a string of ads, F (Dexter) t 0010 N:S, mentions of Bogota, 11-8 P (Leon-
hardt)
- 6020 PERU R América 1100 SS 10-22 talk, Peruvian mx 333 (Zilmer)
- 6025 BRASIL Em Piritinga 0030 PP 11-1 talk under Portugal 333 (Zilmer)
- 6025 PORTUGAL RN 0205-0217*, EE 10-5, discussion of Portuguese Africa, 333 (Schwartz)
- 6030 USA AFRTS 0330 EE football game to 0400*, G (Brown)
- 6030 PHILIPPINES FEBC rel pgm in EE 1130, E (Henderson-W)
- 6035 BRASIL R Globo PP talk 2240 10-7, F (Brook)
- 6035 RSFSR-ASIATIC Vladivostok HS in RR, *0645-1400, Majak to 1530*, *1630-1730 fade with
Majak; 1400* on Wednesday, Friday, Saturday, Sunday (Davis)
- 6040 COLOMBIA LV del Tolima 0205-0215 LA mx, IDs, TCS, slogans, 10-21, 333 (UMDX)
- 6055 AUSTRALIA RA *2055 IS, pips, ID, N:E 10-25 F (Burlew) Nice long-path, Doug! FH
- 6055 BRASIL R Panamericana 0030 PP 11-3 talk 433 (Zilmer)
- 6055t JAPAN NSB 10-15 0650, M in JJ, weak, fluttering, improving, 252 (Roberts)
- 6055 RWANDA Kigali 2045-2101*, US pops, NA, ID, cycle tone, off, 10-25, F (Burlew)
- 6055 USA UN classical mx, then Special Session xmsn 0130 10-22 in EE-FF, E (Brook)
0500 N:E, G (Guarducci)
- 6060 ITALY-SICILY RAI-Caltanissetta *0031-0040 Notturmo dall'Italia, FF, F (Schwartz)
- 6065 COLOMBIA Super Radio, 0810 SS 10-31, M with IDs, LA mx, TCS, 433 (Paschke)
- 6065 ENGLAND VOA via BBC, EE amts, various langs, 0200 10-16, FG (Brown)
- 6065 SPAIN RNE 0100-0115 N:E, mx, P (Bettenhausen) 0115 10-19 EE, classical mx, F (Archard)
0200 EE, SS mx, talk 10-16, G (Brown)
- 6070 CANADA CFRX 0255-0330 EE nx, sports, 10-19 (Nebron) 1837 pop mx, talk, G (Wallace)
- 6070 VENEZUELA R San Sebastián 0500 10-22 SS nx, into mx, all over Toronto, ID, 323
(Roberts) 1030 SS 10-31 M with IDs, SS mx, TCS, 343 (Paschke)
- 6070 TEST IRIAN RRI-Jayapura nx, Love Ambon by W 0900, local mx, FG dual 3905 (Henderson-W)
- 6075 SRI LANKA Colombo ads, Tamil songs, amts 1255, 10-9 (Tyson-Pac)
- 6075 USA WYFR EE Back to the Bible 11-7, P (Leonhardt)
- 6080 CANADA CKFX 0218 EE mx, Jim Moore show, DW Sackville off two minutes 343 (Nebron)
- 6080 ECUADOR HCJE 0040 10-24 SS IA mx, rel pgm (Brown)
- 6080 SOUTH AFRICA R RSA 0030 EE mx, nx, cmtry 10-30, 333 (Brown)
- 6080 ASIATIC RSFSR RM HS in RR, *0830-1500, then Majak to 1730 fade (Davis)
- 6085 BRASIL R Jornal do Comercio 0040 PP 11-2, talk, 433 (Zilmer)
- 6085v COLOMBIA Ondas del Darien 1040 SS 10-31 M with talks, local mx, IDs 333 (Paschke)
1130 SS ID, ads, mx, G (Behr)
- 6090 ARGENTINA RAE 0340 SS 11-1, nx, program, 444 (Brown)
- 6090 LUXEMBOURG FLI *0000-0015 10-5, N:E, ID, pop mx, 433 (Schwartz)
- 6095 BRASIL R Tupi 2315 PP 10-14 talk, mx, jingles dual 15155, 433 (Zilmer)
- 6095 COLOMBIA LV del Centro 10-21 0430-0450 LA mx, IDs, TCS, 242 (UMDX) 1053 SS 10-31
M with LA mx, IDs, TCS, 333 (Paschke)
- 6095 GREECE VOA-Kavala *0300 EE ID (Isen)
- 6100 Unid LA, 0330-0406* instrumental mx, no amts, only 10-24, vy strong over DW;
suspect the Ecuadorian (Behr)
- 6105 MEXICO XEQM 0148 LA mx (Schnabel) 1150 SS 10-20 Mexican mx, distorted audio, 443,
(Zilmer)
- 6115 BRASIL R Tupi-Rio 0035 PP 11-1 sports 433 (Zilmer)
- 6115 COLOMBIA 0200 LV del Llano (Schnabel) 0230-0245 10-21 LA mx, IDs, TCS, etc. 232(UMDX)
- 6125 COLOMBIA R Continental 0640 10-15 LA mx, ID, TC, 354 (Roberts)
- 6125 HONDURAS R Suyapa 1107 SS 10-31 M with talk, TC, ID, SS accordion mx, 343 (Paschke)
- 6130 CANADA CHNY 1859 pop mx, ID, FG (Wallace) EE rock mx, ID 2007, 10-21, E (Burlew)
- 6130 GHANA RG 2130 EE 11-3 nx, 443 (Zilmer)
- 6135 CANADA RCI NF 0505-0515 N:E 353 (Nebron)
- 6140 AUSTRALIA VLR6 classical mx, pips, ABC nx 1255-1300, 10-14, G (Burlew)
- 6140 BURUNDI LV de la Révolution *0330 with IS, anthem, amts and African mx until BEC
signs on *0355 (Collier) 0417-0430 IS, mx, vernac nx, over BEC 10-30 (Mayer)
- 6140 PR CHINA RP *2330 lang 10-30 IS, ID, F (Perdue) Nice longpath, Neall FH
- 6140 Unid AA chants to 0000* 10-30, G (Mayer)
- 6145 ALGERIA RTVA 0615 AA 10-15 Islamic chant, Nigeria het 333 (Roberts)
- 6145v NIGERIA NBC-Calabar 2215 vernac-EE 10-27 African mx, EE ID, 433 (Zilmer) t 0630 in
possible EE 10-15, highlife mx, severe Algeria GRM, 333 (Roberts)
- 6150 COSTA RICA R Atenea 0430 SS ads, amts 10-30, 555 (Brown) 10-30 0445 SS LA mx, ads,
political amts, ID, QTH, 344 (UMDX) 0830 SS 10-31 M with mixed nx, IDs, 333 (Paschke)
- 6160 COLOMBIA Em Nueva Granada SS mx, TC, RCM IDs frequently, 0215 10-7, FF (Brook)
- 6160 VENEZUELA R Canaima 0941 SS 10-31 M with mixed nx, IDs, 332 (Paschke)

- 6165 MONACO TWR EE DX Spécial 0415-0430 Saturdays, G (Mayer)
 6165 SWITZERLAND SEC 2115 EE Dateline, 10-25, G (Burlaw)
 6175 BRASIL R Guarani 2300 10-6 PP mx, F (Brock) 0045 PP 11-1 sports, 433 (Zilmer)
 6175 COSTA RICA TIPC EE rel pgm 0340 10-18, 10-22 (Mayer) 1100 SS 10-25 talk, rel mx dual
 9645, 433 (Zilmer) 1130 S^c pgm and mx, F; dual 9645, G (Behr)
 6180 VENEZUELA R Turismo 1115 SS 10-31 M with IDs, talk, LA mx, 333 (Paschke)
 6181v COLOMBIA OS46 SS 10-31 M&W IDs, talk, 343, not listed (Paschke)
 6190 GERMAN FEDERAL REP Sender Freies Berlin, Bremen, mx and clear SFB mention 0753, E
 (Galkin-Eu) Latest rumor is Gregg is heading off for India, near GVG's stomping ground!
 6190 MOROCCO RTV Marocaine 0340 10-22 AA chanting, 343 (Roberts)
 6190 ASIATIC RSFSR RM HS in RR *0530-1500, then Majak, 1730 fade (Davis)
 6195 NIGERIA NBC-Sokoto 0600 ID, nx by M, ID, TC 0610, highlife mx, 10-15, 353 (Roberts)

And with that we close out the first year of your editor's production here. There has been a certain amount of juggling of the format in the last twelve months, but the prime purpose of my editing is still the same: to present an accurate and complete survey of band conditions and the stations active. Your comments and suggestions are always welcome. Due to the pressure of schoolwork I have fallen far behind in my correspondence, so my apologies to those whom I have not answered, and I promise diligence in responding in the future! I will take this opportunity to wish all our contributors, old, new and returning, and our many fine friends around the country and the world, the best wishes for a safe and happy holiday at the end of this month, and I would like to conclude this, and 1973, with the best 73s. Fred Heutte, Jr. WA3QIA-WDX3FH, 1600 Newton Street, N.E. Washington, D.C. 20018 529-0003

HEADQUARTERS NOTES I just returned two orders for the 1974 WRTH because they did not contain either the coupon, filled out, or a 3x5 card with the name and address of the individual ordering. While it may seem a small thing for me to write that name from a check or from an envelope, that small thing gets multiplied many times when one considers the many orders which are arriving! REPEAT - WRTH orders without the card (3x5 with name and address, or the completed coupon WILL BE RETURNED. Thank you - Dan F.

HELPING HAND

Hammarlund HQ180 C less speaker, serial 1998 in good condition, and extremely sensitive. Write Daniel Robinson, 44 Spring Valley Rd., Levittown, PA, 19056 or call (215-945-7526). Also available from the same source: Allied Model 2682 - 8 band portable. Very good condition, VHF, Public Service, AM&FM, SW 1.7 to 24 MHz, Aircraft & Police; battery or AC..

Joe Helm has several new and used receivers for sale, including Drake, Collins, Hammarlund and others. Write Joseph L. Helm, 201 North Elm Street, Odon, Ind. 47562 for list & prices.

QUESTION Are the FBIS lists better than the WRTH?

ANSWER They are quite different. The FBIS lists are simply tabulations giving freq, power, location, call, etc. The WRTH gives schedule information, addresses, much other data. One finds, after using the WRTH for a while, that it is a MUST, whether for casual listening, or for serious DXing. On the other hand, the FBIS lists, being not as up-to-date as the WRTH, and being merely the tabulations that they are are of less use to the serious DXer (though still very useful) and of almost no use to a person just interested in casual listening. Dan Ferguson

QUESTION You've been stalling for quite some time on the awards program. Almost a year, now. Is there really an awards program? If so, how about some details?

ANSWER Yes, it has been a rather slow process. However, much has been done behind the scenes. A program has been designed by Awards Chairman Dan Henderson which greatly expands on the already excellent work done by former chairman Warren Nordgren. The certificates have been designed. The next step is the approval of the proofs. Then they will be printed. And the awards program will again be in high gear. We can say at this point that by spring the program will be under way - and we are working for an earlier date. We are convinced members will agree it was worth the wait when the program is going again. Dan Ferguson

TECHNICAL MATERIAL NEEDED Many NASWA members are quite competent in the electronics area, and could support the club with the contribution of articles to FRENDEX. We attempt to insure the accuracy of material used, but you can be assured no one will jump down your throat or try to pick your efforts to pieces... We do effort to keep the typing neat, etc., and have guide sheets available for preparing copy for use in FRENDEX....If you've designed a circuit that is useful for the DXer, or if you have found a piece of commercially available equipment useful, why not let the membership know about it? We prefer material to be supplied in a form that can be used without retyping, but that is not necessary...also, receiver evaluations are useful, if they are careful evaluations - e.g., something more than a listing of the manufacturer's specs....Illustrations and pictures can be used - write HDQ for details, or just send the article with the illustrations & we'll get the typing & layout done. Write HQ.

- 6205-10v INTERNATIONAL WATERS, RNI. 2315 EE Johnny Cash mx, QRN (Archard);
0250 pop mx (Zilmer); 0550 pop mx ID (Wallace)
- 6225 ENGLAND, R. Venus North (Pirate). 1241 pop mx and ancmt as test
transmission 10/14 (Calkin-England); 1030 ID & QTH(Martin-England)
- 6225 UNID., Asian. Singing 1040-1100, pips every 2 sec, talk in SEA lang
by YL. P-F 10/10 (Burlaw)
- 6230 PIRATE, R. Gemini. Pop mx, & recording of mid-60's fort station,
Radio King. Good strength at 1001 10/7 (Calkin-England)
- 6235 E. GERMANY, R. Hit Int'l. (Pirate). 1224 pop mx freq ID's in GG &
EE on test transmission. Poor (Calkin-England)
- 6240 CLANDESTINE, R. Libertacao. 2215-2220 string mx, PP ID by YL.Strong
but jammed. Fair 10/12 (Burlaw)
- 6240nf ENGLAND, R. City (Pirate). 1100 EE. QSL for 2 IRC's to 91 Park St.,
Horsham, Sussex, England. ex 6251. (Martin-England)
- 6240 ENGLAND, Tower Radio. (Pirate). 1235 EE/GG. Testing from Nottingham
All reports verified to 339 Derby Rd., Nottingham, England (Mar tin)
- 6240 PIRATE, R. Gemini North. 1210 mx & ID. Very weak. (Calkin-England)
- 6250 EQUATORIAL GUINEA, LV de la Guinea Ecuatorial. 2215 SS/Vern, SS mx,
Afro mx, SS talks, ID, TC, NA 2300* 333 10/26 (Roberts)
- 6250 HOLLAND, R. Hit Int'l.(Pirate). 1115 EE/FF Sun 11/4 testing. Ann as
"This is Radio Hit Int'l from the Netherlands". Not heard after
1150. Poor. (Martin-England)
- 6250 PIRATE, Radio City. 1106-1121* Mx, ID's, and requests for DX tips
and reports. Fair level. (Calkin-England)
- 6250 HOLLAND, Time Radio (Pirate). 0755-0830* Spec prog w/details on the
Dutch PTT's closure of World Music Radio on what was WMR's former
freq. Good.(Calkin-England); WMR ceased operation 8/19 says ADDX
- 6260 CHINA, Singing. 1335 CC talk 10/9 (Tyson-W.Australia) / (Behr)
- 6281.5 UNID. 1050 t/in 1100 SEA lang, singing YL, then possible ID by OM,
more mx. Who?? Fair 10/2 (Burlaw)
- 6283 SCOTLAND, R. Freedom (Pirate). 1105-1126 abrupt off, w/mx and mx
of Afr. struggle in Rhodesia, Mid-east war, etc. Ann Scottish address
Fair and signal had bad modulation w/frequent breakdowns (Calkin-Eng)
- 6295 CHINA, RP. 2230-2300 talk in SEA lang & CC mx, "Internationale", IS,
@ 2300, more talk. CW QRM. VP 10/25 (Burlaw)
- 6300 IRELAND (Dublin), R. Valleri (Pirate). 1225 EE Sun 10/21, Sun 11/4
w/request prog. Reports to D4-BIRM.63, Gleton Ave., Hove, Sussex,
England. (Martin-England)
- 6325 HOLLAND, ABC Europe (Pirate). 1340 EE. Card in 9 days from P.O. Box
9363, The Hague, Holland. 30 Watts 9/30 & 10/28 (Martin-England)
- 6340 TURKEY, Ankara Turke Polis Radyosu. 1740 t/in w/TT mx(Calkin-Eng.)
- 6385 N.VIETNAM, Viet Bac. 1017 YL talking G over UTH QRM(Henderson-East)
- 6900 TURKEY. 0435 TT mx & ann. 444 10/12(Wootten-Morocco). WRTH list this
freq. as Turkish State Meteorological Sce. 2.5 kW-MRL
- 7065 ALBANIA, R. Tirana. 0010 EE cmntry on war in Mid-east (Wilson)
- 7105 ENGLAND, BBC. 0647 FF "EE by Radio" 544 10/7 (Wootten-Morocco)
- 7107t THAILAND, Thai TV. 1150 Oriental mx, lang ? Fair 10/21(Miller)
- 7110nf SAUDI ARABIA, SABS. 2320 AA chants, 2353 AA ID, short ix 2357*
after anthem 323 10/30 CW QRM (Roberts)
- 7110 MALI, R. Mali. 0828 FF orch mx ID @0844 f/out 0854 F. 10/7(Earhart)
- 7115 ZAIRE, LV du Zaire. 0310 FF/Vern, Afro mx 233 11/2 (UMDX)
- 7115 CHINA, RP. 0334 EE "Anniv.of Peoples Rep." 433 10/2 (Schwartz)
- 7115 MOROCCO, RTM. 0755 FF mx, mx. (Wootten-Morocco)
- 7150 UKRAINIAN S.S.R., R.Kiev. 0030 EE mx, cmntry. (Wilson)
- 7155a JORDAN, R. Jordan. 0502 AA talk by OM. 222 10/24 (Gemron)
- 7165 RYUKYU ISLANDS, VoA Okinawa. *1100 EE prog. (Isen)
- 7170 GREECE, VoA Kalava. 2350-0000* Jazz hour (Isen)
- 7170 NEW CALEDONIA, ORTF Noumea. 0550 FF, mx, ID, cmntry//11710 also
heard 444 (Roberts); Tentative 0710 FF mx w/OM & YL (Abraham)
- 7175nf U.S.S.R., Petropavlovsk, Kamchatka. Now in use 1700-2030 time period.
Mayak programming and local//7160, 9581, 11860. (Davis)
- 7190 DAHOMEY, Rdiff du Dahomey. 0620 FF ID, Afro mx 323 10/27 (Roberts)
- 7195 U.S.S.R., RM. *1055 IS, NA 1100 then ID in SEA lang VG 10/4 (Burlaw)
- 7205 U.S.S.R., RM. 0430 EE talks. Excellent. (Estes)
- 7220 U.S.S.R., RM. 1400 CC prgm. Blagoveshchensk or Chita??(Behr)

- 7220t TUNISIA, RTT. 0535 AA talk, N.Afro mx,VoA QRM. Good. (Wallace)
 7234 NIGERIA, ECBS Enugu. 0530 EE nx, 0546 ads & mx.Distorted (Behr)
 7260 ISRAEL, IBA. 0200-0315 cont folk mx. F on 11/2 (Mayer) Lang? MRL
 E.GERMANY, Radio DDR. 0315 mx, GG TC's. Good 10/28 (Behr)
 7260a UNID. 0625 Rel mx, soft ann in lang by OM. QRM VoA.Fair (Wallace)
 7285 POLAND, Polish Radio. 0645-0700 EE mailbag and mx px (Earhart)
 7285 JAPAN, NHK. 0943 EE nx items 10/12 (Tyson-W. Australia)
 7305.5 CLANDESTINE,V of Malayan Rev. 2230 Malay,2245 CC. Good 10/24(Behr)
 7400 U.S.S.R., RM. 2330 nx on Israel,etc.in lang. 555 10/12(Wootten)
 7510 N.VIETNAM, Hanoi. 2354 VV talks,mx Tieng Noi mentioned (Wootten)
 9009 ISRAEL, IBA. 0216 EE special nx report. 443 10/26(Zilmer); 0115
 war nx 555 10/19 (Earhart)
 9022 IRAN, R. Iran. 2000 EE nx 332 10/27 (Zilmer)
 9030 CHINA, RP. EE noted 2030-2126; EE 2130 to 2200 f/out (Behr)
 9250 U.S.S.R., RM. 1627 RR cont. mx 543 10/13 (Wootten-Morocco)
 9360 SPAIN, RNE. 0201 SS talks 544 10/13 (Wootten-Morocco)
 9375 U.S.S.R.,Khabarovsk. Now in use *0000-0500*. All RR Mayak (Davis)
 9380 U.S.S.R., RM. 0207 RR talks OM & YL. 555 10/13 (Wootten-Morocco)
 9455 N.KOREA, R. Pyongyang. 1200 EE nx,cmtry. 433 10/27 (Zilmer)
 9470 U.S.S.R.,R. P&P. 0015 EE cmtry on Chilean affairs 10/2 (Archard)
 9475 A.R. of Egypt, R. Cairo. 0200-0330 EE svc to NA. War nx, cmtry.
 (Lineback, Jones, Schwartz, Earhart)
 9504.7 PERU, R. America. 0400 SS ads, LA mx, fair to 0430 (Behr)
 9505 SUDAN, R. Omdurman. 2200-2300* AA mx, nx //11835 (Behr)
 9505 CZECHOSLOVAKIA, RP. 1045 EE nx,mx,cmtry VG 10/8 (Wilson)
 9505 DOM. REPUBLIC, RTV Dominicana. 2200 IS, 2210 anthem, 2215 ID (UMDX)
 9510 VENEZUELA, R. Barquisimeto. 2220 SS ID's "R. Barquisimeto Inter-
 nacional",US pops. QRM BBC @ 2250 (Brock, Behr); 1115 SS mx (Tu'shr)
 9515 URUGUAY, R. Sarandi. 0000 SS nx,ads,mx to 0105*v Good. (Behr)
 9515 INDIA, ATR. 2000 EE nx, Indian mx //9912 (Schnabel)
 9515 TURKEY, TRTC. 2100 AA talk, TT mx. Good (Archard)
 9525 CANADA, RCi. 0100-0158. EE nx,wx, cmtry. G-VG (Brown)
 9530 SPAIN, RNE. 2300 SS program. F-G (Brock)
 9535 SWITZERLAND, SBC. 1525 EE ID, mx (Isen)
 9535 AUSTRALIA, RA. *2130 IS,EE ID under SBC via long path. P. (Estes)
 9545 BRAZIL, R. Universo. PP talk, ID 0030 F-G (Brock, Zilmer)
 9545 LEBANON, R.Lebanon. 0250-0258* EE NA svc (Schwartz,Zilmer,Earhart)
 9545 GHANA, R. Ghana. 2215* EE rel mx 10/18 (Tuchscherer)
 9550 CUBA, R. Havana. 2200 SS nx,cmtry. (Archard)
 9555 MALAGASY, R. Ned.,Talata. 1830 EE, mx good to 1915. (Behr)
 9555 UNID. 1725-1800. SS nx, TC's,tone before ea item, singing ads,
 thought "Bolivia" heard. 10/30 (Perdue)
 9560 JAPAN, NHK. 1200 EE nx to Eur. 332 10/28 (Zilmer)
 9565 AUSTRALIA, RA. 1140 EE to SEA. Fair. (Jones)
 9569.3 NIGERIA, RTV Kaduna. 2300 EE nx,2308 chants to 2316*v.Fair(Behr)
 9570t QATAR, QBS. AA talk thru Bucharest IS 0027-0029. (Burlaw)
 9570v CHILE, Emis Diego Portales. 2300-0025+ SS mx, reconstruction mess-
 ages, ads, ID's (Schnabel,Duba,Brock,Dexter,Behr); SS mx, talk
 1100 (Zilmer)
 9575 ITALY, RAI. 0115 EE s/off w/QRM BBC on 9580. (Archard)
 9575nf U.S.S.R., Asian. In use for Soviet Home svc *2330-0600+, all
 RR Mayak program. (Davis)
 9576-79v PHILIPPINES, VoP. 1130 EE "Listener's Letters"(Zilmer); 1800 EE
 pgm & mx. Fair (Behr); 1630 (Henderson-West) Details? MRL.
 9581nf U.S.S.R., Petropavlovsk, Kamchatka. Replacing 9540 for 1700-2030
 broadcasts.//7160,7175,11860. (Davis)
 9585t PERU, R. Selecta. 1045 SS talk, Peruvian type mx. No ID (Zilmer)
 9585 FINLAND, R.Finland. EE @ 0325 into lang. (Bettenhausen,Guarducci)
 9590 SWITZERLAND, SBC. EE nx to Afr. 422 11/4 (Zilmer)
 9590 CHILE, R. Pres. Balamaceda. *1100 SS mx, talk (Zilmer); 0525 LA mx
 "La Noche Balamaceda" pgm, US pops. Seems 24 hrs now (Roberts)
 9600 MEXICO, Univ Nac de Mexico, XEYU. 1300 classical mx, ID(Bar to)
 9600 ENGLAND, BBC. 0704 EE world nx. 544 10/20 (Wootten-Morocco)
 9605 SAUDI ARABIA, SABS Riyadh. 0515 AA talk & mx, hvy QRM 11/4(Behr)

- 9605nf SWEDEN, R. Sweden. 2230 EE nx to FE. Replaces 15105 11/4(Zilmer)
- 9610 AUSTRALIA, VLW9 Perth. 1245 EE pop mx (Wilson);1330-1600*(Earhart)
- 9620 BRAZIL, R.Novo de Julho. 0220 PP talk,mx 433 10/13(Zilmer)
- 9620 c.f. Oct. FRENDX Burllew's UNID in FF is ORTF Paris (Roberts)
- 9625 ISRAEL, IBA. 2000 EE nx(Zilmer);*0215-0230*EE battle communique
- 9630 SPAIN,RNE.0410 SS mx, talk.Fair.(Guarducci) / (Schwartz)
- 9635 SINGAPORE,R. Singapore. 0515 CC talk 10/12(Tyson-W.Australia)
- 9645 BRAZIL,R.Cultura de Pocos Caldas. 0306 t/in to 0330 fade(Dexter)
- 9650 AUSTRALIA, RA. 1245 EE DXers calling Asia//9570 443 10/22(Zilmer)
- 9655t SYRIA,R.Damascus. 1845 AA talk, classical mx. Good. (Wallace)
- 9660 ANGOLA, A Voz de Angola. 0530 PP talk local mx, ID. F 11/3(Mayer)
- 9660 VENEZUELA, R. Rumbos. 0250 SS sports event (Brock, Brown)
- 9660nf MONACO, TWR. 0930 EE. New freq for the DX spl. Not known if permanent. Old freq 9640 had unknown transmitter testing on it 544 10/6 (Wootten-Morocco)
- 9675 BRAZIL,R. Diario da Manha. 0000 PP rapid talk 433 (Zilmer)
- 9675 PERU, R. Del Pacifico. 1133 Andean mx (Tuchscherer); 1220 SS hymn singing and preaching. Heard almost every morning (Schnabel)
- 9685 ALGERIA, RTVA. 2200 AA chants. Good 11/3 (Mayer)
- 9690 ARGENTINA, RAE. 2300 SS mx F-G 11/3 (Brock);0308 EE (Miller)
- 9695nf SAUDI ARABIA,SABS Riyadh. 0400 AA pgm,0410 & 0440 EE ID & sked, asking for reports. Good to 0516* (Behr)
- 9695 BRAZIL, R.Rio Mar. 0220 PP sports event,talk (UMDX, Zilmer)
- 9695 SOUTH AFRICA, RSA. 2330 EE nx,cmntry (Brown,Wilson,Earhart)
- 9700 BULGARIA, R.Sofia. 2145 EE"Mailbag" pgm to Eur. (Archard)
- 9705 BRAZIL, R. Maua. 0010 PP talk under XERMX 422 11/1 (Zilmer)
- 9705 MEXICO, R. Mexico XERMX. 0255 SS mx, ID, TC over VoA(Lineback)
- 9705nf FRANCE, ORTF. 0100 SS, strong over QRM//11730 (Behr)
- 9705 UNID. 0750-0800+ Possibly R.Free Eur.EE lesson in lang (Earhart)
- 9710t MAURITIUS, MBC. 1236-1258* Western & Indian style mx, talks in FF and lang. Fair. (Isen)
- 9730 UNID. From 1845 inst. mx. 1903 carrier only, 1910 EE pop songs to 1925*, no anncmts, very strong 10/31. Assume new African testing, only other stations on 31m were Talata and RSA (Behr)
- 9735 JAPAN, NHK. 2200 EE nx to Eur. 433 10/21 (Zilmer)
- 9745 IRAQ, R. Baghdad. 2010 EE Anti-Dutch,U.S. & Israel cmntry(Archard); 2022 Nat. anthem, IS & pgm in GG (Estes)
- 9750 CHILE, R. Minera. 1030 SS LA mx, HCJB & VoA QRM in clear at times 10/18 (Barto); 243 10/31(Paschke); 443 10/21 (Zilmer)
- 9755 AUSTRALIA, RA. 1130 EE "Listner's Corner" 433 10/28 (Zilmer)
- 9755nf CANADA, RCI. 0100 EE pgm to NA 554 11/5 (Zilmer)
- 9770 PERU,R.San Martin. 0415 Peruvian mx, ID & Anthem to 0447*(Behr)
- 9770 BRAZIL,R.Min.da Educ. 0130 orch mx to 0259*//11950;anncg new calls: ZYB3, ZYB4, ZYB5, for 11950, 9770, 5990 (Behr)
- 9770 HAITI, 4VEH. 1610-1713 EE nx,wx,classical mx, ID (Earhart)
- 9770 U.S.S.R., Vladivostok. RR home svc now from*2300-0615* Regular home svc,not Mayak. This freq also used 1430-1530 on Wed,Fri,Sat & Sun for special pgm to Russian fishing fleet (Davis)
- 9770 UNID. 0515-0530+ FF talk, Afro mx,rapid drum beat IS or break. Signal similar to Tahiti or Ghana. QRM,QRN,QSB 10/29 (Perdue)
- 9780 ALBANIA, R.Tirana. 0000-0030 EE to NA. New strong jammer on freq since 11/4. Poor (Jones); Poor @ 0115 (Archard)
- 9780 CHILE ? Source of whoop/whoop (Variable tone) jammer on R.Peking EE via Tirana 0330 10/1 (Hauser)
- 9785nf ISRAEL, IBA. 2040 EE interview w/troops in the field. Said would be on this freq 24hrs w/nx until war was over. Heavy QRN(Archard)
- 9800 UNID 0331 Same type jammer as 9780, but stronger here. Not sure against whom. (Hauser)
- 9810 UNID. *0900-1800, all Vietnamese and mx. Signal F-P here (Davis)
- 9810 U.S.S.R., Asian. *2340-0800* Soviet home svc in RR. Signal F-G at s/on and to 0200-0300, exceptnl from then to 0800* No local ancmnts heard yet! (Davis)
- 9833 HUNGARY,R.Budapest. 0100 EE nx and Hungarian folk mx. P. (Archard)
- 9912 INDIA,AIR 2221 EE commentary. (Isen) / (Wootten-Morocco)
- 10000 CHINA, BPV Zi-ka-wei Observatory, Shanghai. 2130 Morse code 444

- 10000 ARGENTINA, LOL. 2355-0055 SS ancmts by YL, ID in morse (Isen)
 10009.5 CLANDESTINE, Liberation Radio. 1058 mx ID EE "This is Liberation
 Radio, the Voice of the Provisional Revolution of South Vietnam"
 by YL, repeated by OM, sked & EE nx. Good 10/26 (Burlew)
 10061 N.VIETNAM, VoV Home svc. 1047-1058 VV talks by YL & OM, then mx
 and VV ID. F-P 10/26 (Burlew)
 10530 U.S.S.R., Alma Ata. *0000 has been heard recently in//9380. Polar
 fade, and often heard until after 0300. Never strong. Chimes at
 2355, long anthem 0000, local ident in Rayakh then in RR (Davis)
 11532 ESPIONAGE. Numbers 2310-2338*v. EE 4-digit by YL (Behr) EE 2304
 Fair 10/16 (Brock)
 11535 N.KOREA, R. Pyongyang. 2050 EE cuntry by YL. Fair (Duba)
 11620 INDIA, AIR. 2200 EE nx 344 10/25 (Zilmer)
 11650 CHINA, R. Peking. 1930 t/in-1955* PP program, not heard regularly
 10/20 (Davis)
 11672 PAKISTAN, R. Pakistan. 2018 mx, OM & YL talks in Urdu, ID 353
 10/26 (UMDX); 2020-2055 EE & Urdu, native mx. 333 10/29 (Barhart)
 o o o (MRL 11/17/72)

 REVIEW OF THE AUTEK Q*BOX

by NEAL PERDUE

(HQ note - this review, expected for next month, arrived in time for inclusion this time.)

To spend one hour with the Q-box active audio filter is to know that you have found the greatest DXing aid to ever hit the market, and at a truly reasonable price. Do you want to give your receiver selectivity equal to rigs costing \$600 and more at a cost of \$18.95??? Well, here is the answer from AUTEK RESEARCH of California— address appears later in this review.

**Where to start, how to say enough about this fantastic device? It is a box standing 3" high, 4" wide, 1 1/2" deep, with phono plug input & output, and one VARIABLE selectivity knob as it's only control. Widest selectivity is 2KHz and it goes down to 30 Hz: (At 3 db, per manufacturers specs - HQ) The Q-box is battery operated, rated at more than 500 hours per 9 volt battery.

** The results with my SW#A have been unbelievable. (Other owners please note.)

** This device has so many advantages over other selectivity devices that I don't know where to start to tell about it. The specs and "73" Magazine test report are available from Autek upon request. I will decline further comment on this item beyond what I say in this review as the response to my invitation for info on the Unique Wire Tuner far exceeded my expectations and I simply don't have the time to answer all of this correspondence.

** The operation of the unit is so simple that you just plug the Q-box into the phone jack of the receiver and plug 1000 to 2000 ohm (optimum) earphones into the Q-box.

** Exalted carrier reception has previously been advocated by some members (it doesn't apply to the SW#A) but on rigs with which I can utilize this method I've found the hets, whistling, whining, etc., to be aggravating. The ideal answer to the problem is to be able to use the AM mode and narrow the passband. The Q-box lets you do exactly this, with amazing selectivity.

** I decided to give it the acid-test on 60 meters. I couldn't believe my ears! As the Q-box is tuned from minimum to maximum selectivity on a QRM-ridden signal, the noise and interference simply disappear and the desired signal jumps right out of the QRM. Believe it or not, you can go to almost the MAXIMUM of 30 Hz, cut down the surrounding noise, and pick out a signal that is barely audible in the 60 meter mess, and hear it intelligibly where it was just a garble on the band before switching in the Q-box. It's like switching in an expensive filter, and it's VARIABLE. The maximum setting of 2KHz is ideal for scanning the band, and when adjacent-channel interference occurs, start narrowing the passband to eliminate the interference, while the signal to noise ratio increases dramatically. The desired result is intelligibility, and the Q-box will get it for you.... This unit should be of interest to anyone who has a receiver which must switch to BFO for sharper selectivity than available in the AM mode. One hitch, you can't drive a speaker with this unit without an amplifier, but the serious DXer uses headphones anyway (*) so I don't consider this a serious disadvantage. Cost is \$17.95, plus \$1 shipping in NA from AUTEK RESEARCH, Box 1494, Canoga Park, CA 91304. MAP

* I know several top NA DXers who almost never use headphones. The subject would be a good one for an "AS I SEE IT" feature... "AS I SEE IT" is designed to provide the opportunity for intelligent, well-thought-out discussion of subjects of DXer interest without getting into the month after month repetitious arguments that result in the usual "open-mike" column. "AS I SEE IT" is handled through HDQ. Dan Ferguson

- 11700 ISRAEL IBA 2030 EE, cmntry, nx, //9009, P (Zilmer)
 11705 SWEDEN RS 1830* EE, nx, P (Mayer 10-28)
 11705 N ZEALAND RNZ 1045 EE, mx to Australia //9520 P, F (Zilmer)
 11705 ISRAEL IBA *2000-2041* EE, rept on war (10-6), F; 2100* RR, (Schwartz)
 11705a USSR RM 0130 II, nx, P (Guarducci)
 11710 ARGENTINA RAE 2300-2350 EE, tlks, nx, mx, ID, usual px, P-G (many)
 11710NF USA KGEI 1400 SS, mx, 1500*, since 10-24, E (Behr)
 11710NF USSR Asian *2230-2300 VV, 2300-0230* CC, strong, replaces 15170, (Davis)
 11710 INDIA AIR 0100 EE, Indian mx, cmntry on Ghandi, F (Archard)
 11713 INDONESIA VoI 1245, vocals, 1300* w/"Love Ambon", (Collier)
 11725 SRI LANKA SLBC 0115 EE, rel px, P (Zilmer)
 11725 JAPAN NHK 2345 EE, nx to NA, //15445, F (Zilmer)
 11730 ISRAEL IBA 2200 FF, IS heard under RN, VP (Zilmer)
 11730 HOLLAND RN 1830 EE, (Bettenhausen)
 11740 MALAGASY REP RN 1400 EE, nx, F (Zilmer)
 11740 VATICAN VR 1505 EE to Europe, rel. tik, G (Duba)
 11765 BRAZIL R Tupi 0000 PP, mx, QRM de Cuba, F (Zilmer)
 11775 INDIA AIR 1045-1100 EE, cmntry, nx to Aust.-NZ, P (Zilmer)
 11775 SPAIN RNE 0230-0250 SS, ID, SS mx, nx to 0235, new 700KW?, only F (Earhart)
 11780 MOZAMBIQUE RCM *0455-0530 EE, DJ format US pops, P-E (West, Perdue)
 11780 ARGENTINA R Belgrano 0015 SS, sports, F (Zilmer)
 11785 NETH ANT 0306-0330* TWR, rel px, ID in SS, F (Earhart)
 11785 BRAZIL R Guaiba 0045 PP, tik, F (Zilmer)
 11790NF NETH ANT TWR 0200-0215* SS, mx, tik, moved to 11785 at 0220, F (Earhart)
 11795 BRAZIL R Nac 0030 PP, tik, P (Zilmer)
 11795 ZAIRE Kinshasa 0505-0530 FF, Complete FF ID at 0508, Zaire mx, VG (Perdue)
 11795 LIBYA rept Oct LR at 2030 is probably DW px in AA 2000-2100*, see Feb 73 LR, //9605, 9545, (Behr). Watch for ID-ed.
 11800 CANARY IS RNE 0030, 0330 SS, tik, SS mx, P-G (Brown, Archard)
 11800 SRI LANKA SLBC 0115 Hindi, Hindi mx, strong signal, (Archard)
 11810 INDIA AIR 1240-1330 EE, F (Jones)
 11810NF BELGIUM RTB not heard this sched NF at 2255 or 0040, QRM, replaces 11920, (Zilmer)
 11815 BRAZIL R Brasil Central 0055 PP, tik, 10-18, P (Zilmer)
 11815 JAPAN NHK *1300 EE, GOS, P (Jones)
 11815 NETH ANT TWR 0030 EE, rel px, mx, tik, G, (Brown); EE, Radio Today px, F (Archard)
 11820 MEXICO R D de Sonora 1615 SS, tik, mx, ads, P (Zilmer)
 11825NF CANADA RCI 1200-1255 EE, px to zone 4, NA, G (Zilmer)
 11835 URUGUAY R El Espectador 2350, 0100 SS, tik, mx, "Informa El Espectador", F-E (Dexter, Zilmer)
 11835 HAITI 4VEH 1400, 1500 EE, rel px, P (Brown, Archard, Bettenhausen)
 11835 SUDAN Omdurman 1820 AA, AA mx, AA ID at 1830, F (UMDX 10-26)
 11850 USA AFRTS 2230 F (Jones)
 11850-52.5v GHANA RG 2000-2101*EE, nx, Afro mx, tlks, s/off w/anthem, F-VG (Bettenhausen, Archard, Burlew, Behr)
 11850 ISRAEL IBA 2155* EE, QRM de VoA 11845, (Archard, 10-26)
 11850 NORWAY RN 1730 EE, ID, NN folk mx, F (Mayer)
 11855 BRAZIL R America 2330 PP, tik, mx, F (Zilmer)
 11855 SAUDI ARABIA BSKA 1742 EE, nx, Fanfare, F (Miller 10-20)
 11860NF? SEYCHELLES FEBA 1745 EE, rel px, 11955 not hrd, (Gendron, 11-6)
 11860NF USSR Petropavlovsk, Kamchatka, 1700-2030 Mayak and local px in RR, replaces 12010, //7160, 7175, 9581, (Davis)
 11865 BRAZIL R C de Pernambuco 2300 PP, tik, F (Zilmer)
 11867-11868.5v ZAIRE R Lubumbashi 2015-2100*, 0100, 0413 FF, IDs, Afro mx, some Vernacular, tx problems, mention Zaire, F-G (Zilmer, UMDX, Gendron, Behr)
 11870 SWITZERLAND SBC 2115 EE, Dateline to Africa, //11720, P (Zilmer)
 11880 USA KGEI 0200 SS, rel px, tik, G (Brown)
 11885 USA WYFR (ex WNYW) 2215* EE, rel px, slogan Your Family Radio, F (Leonhardt)
 11885 BRAZIL R Maua 2245, 0130-0158* PP, tik, IDs, //9705, sports, VG (Tuchscherer, Behr)
 11890 PHILIPPINES FEBC 1700 Lang, EE ID, (Bettenhausen)
 11890 ETHIOPIA ETLF 0545-0608* EE, tik by M&W abt. Africa, Afro mx, rel tik, hymns after 0600, F w/QRM (Perdue)
 11900RF SOUTH AFRICA RSA *2230, ex 6035, F (Jones)
 11915 USA UNR Greenville 2200 EE, Security Council Meeting on ME war, G (Archard 10-23)
 11915 ECUADOR HCJB 0100 EE rel px, E (Mayer)
 11920 IVORY COAST RTVI 1900-1930, 0635-0645 FF, EE at 1900, ID, ads, mx, tik, P-F, (Earhart, Abraham)
 11925 BRAZIL R Banderantes 2215 PP, nx, QRM de Ivory Coast; 0120 Sports, 0245-0303 f/o, 1005-1015 PP, nx, mx, P-F (Zilmer, Earhart, Tuchscherer)
 11930 NETH ANT TWR 0350 RR, mx, rel px, E (Brown)
 11935 BRAZIL R C Paranaense 1020-1030 PP, Braz. mx, IDs by M, (Tuchscherer)
 11935 PORTUGAL R Nac 0100-0130 PP, class mx, cmntry on mx, F-G, //6025, (Earhart)
 11940 ROMANIA RB 2115 EE, Romania in development px, F (Archard)
 11940 SINGAPORE RS 1530 EE nx, mx from end of nx to 1630*, G (Davis)
 11950 BRAZIL R Min de Educacao 2140, 2200, 2300, PP, tik, ID, nx, //11925, F-G (Zilmer, Paschke, Schnabel)

- 11955 SEYCHELLES FEBA 1745-1750 EE, tlc on ME coins, rel tlc, 1800*, F (UMDX, Zilmer)
- 11955 ETHIOPIA ETLF 1330 EE, nx, F (Zilmer)
- 11960NF AUSTRIA ORF 0007* GG, nx, G (Schwartz 10-12)
- 11960 ISRAEL IBA 0015, 0115, 0215, 0315 EE nx, 2000-2045* EE Sukkoth services at Wailing Wall, 10-10; 2300-2345 EE combat bulletins 10-11; 10-18&19; analysis by Gen. Herzog 10-17; usually G (Zilmer, Schwartz)
- 11960 JAPAN NHK 2030 EE px to Europe, F (Zilmer)
- 11965 CHINA RF 0100 EE, nx, cmntry, G (Zilmer)
- 11965 BRAZIL R Panamericana (also rept. as R Record) 0215-0230 PP, sports, ads, ID, mx, //6055 (Behr, Zilmer) Brown)
- 11970 S AFRICA RSA 2059 Lang, ID, TC, IS, 0515 EE, px of nx to ME & Africa, F (Miller, /
- 11980 GERMANY (DR) RBI 1530, 1615 EE, SEA service, nx, cmntry, F (Archard, Zilmer, Mayer)
- 11985 CHILE presumed source of whoop/whoop (variable tone) jammer on R Moscow SS px at 0328, (Hauser 10-1). All we need is more jammers-ed.
- 11990 CZECHOSLOVAKIA RP 1530 EE, nx, cmntry, F (Zilmer)
- 11990 USSR Asian Mayak HS now *2230 rather than *2130, usually good, CW QRM (Chile) and RP (Davis)
- 11990NF S AFRICA RSA 1940-1945*EE, nx, s/off, IS, *2000 in PP, G (Brown)
- 12175 ICELAND Iceland Radio 1205-1300* Broadcast in Icelandic then into utility format, (Earhart, Isen)
- 15004 USSR RSFSR RRM time station heard 1237, faded out rapidly, (Isen)
- 15012 N VIETNAM VoV 1300-1328 EE, 1330 SS, P (Jones)
- 15055 UNID AA chants 1545-1600* , G (Mayer 10-27). Cairo?—ed.
- 15060 CHINA RF 0021 EE, Cmnty, F (Miller)
- 15080 INDIA AIR 1900 EE, ID, nx, cmntry, (Isen)
- 15095 CHINA RP 0155* SS, closing anmts, ID, F (Perdue)
- 15101 MALAGASY REP RN 2030 FF, mx, 10-10 only down from 15105, (Behr)
- 15105 WINDWARD IS R Grenada 2100-2132* EE, mx, ID, F-P (Zilmer, Brock, Behr)
- 15105 ASCENSION IS BBC 1250 FF to Africa, mx, F (Duba)
- 15115 ECUADOR HCJB 1430-1500 EE, G but sloop from VoA 15110, (Earhart)
- 15120 FRANCE ORTF 1900-1937 FF, males and females conversing w/occ pop mx, F (Earhart)
- 15120 NIGERIA VoN 1900 EE, nx, Afro mx, F (Zilmer)
- 15125 PORTUGAL R Nac 1645 PP, mx, F-G (Brock)
- 15125 MEXICO R Mex 0125 SS, mx, ID at 0130, P (Guarducci)
- 15135 BRAZIL R Soc da Bahia heard here Sundays and one report on Thursday, 1900, 2000-2146*, 2336 PP, Shouted IDs, tlc, mx, sports (Zilmer, Paschke, Behr); R Record also heard here weekdays and Sundays after Bahia off, 2335, 2330, 2240, 2210 f/in, PP, tlc, mx, IDs, nx, F-G (Behr, Brock, Roberts, Gendron)
- 15140 USSR RP&P 1545 EE, After BBC s/off, P (Brock)
- 15140 ENGLAND BBC European Svc 1545* RR or similar, Bob Dylan mx, G (Brock)
- 15145 SPAIN RNE *2000 IS, SS px, G (Estes)
- 15145 BRAZIL R Jornal do Comercio 1845 PP, tlc, F (Zilmer) Mayer)
- 15150 CHILE R Corporacion 0035, 0000, 0159, SS, nx, LA and US mx, F-G (Zilmer, Duba, /
- 15155 FRANCE ORTF 1610 FF, tlc, traffic jams in France, mx, F-G, //15160 not just splatter as both had het, (Brock). Both freqs listed for ORTF, both in use or spur?—ed
- 15155 S AFRICA RSA 1954 FF, IS, F-G, 1910-1940 FF, tlc, music, G (Estes, Earhart)
- 15165 DENMARK R Den 1555 IS, 1600* Danish to NA, 1330 Danish to Greenland, EE ID, 2000 EE ID, Danish px, 1919-1935 EE px (Schwartz 10-7), F-G (Schwartz, Wilson, UMDX). Sure abt that EE px Dick?—ed.
- 15170 LIBERIA ELWA 1958 AA, IS, ID, chants, F (Wallace)
- 15180 BRAZIL R Cultura da Bahia 2300 PP, tlc, ads, F-P (Brock)
- 15180NF ETHIOPIA ETLF 1500 AA, 1600 Persian, QRM de BBC, (Behr)
- 15185 FINLAND RF 1400-1430 EE, nx, mx, letterbox, E (Burlew)
- 15185 SEYCHELLES FEBA 0300 ID then px in Tamil, (Tyson-Australia)
- 15185 USA WINB 2130 EE, "Old time gospel hour", G (Archard)
- 15190 GHANA R Ghana 1330 EE, rel px, P (Zilmer)
- 15190 CONGO RTVC 2115 FF, Afro mx, IDs, F (Archard)
- 15195NF AUSTRIA ORF 1836* EE, ID, nx, G (Schwartz)
- 15195 MOROCCO VoA Tangier at various times in point to point svc with lang px on AM, ID, E (Wootten-Morocco)
- 15210 USSR RM 1430, IS then AA ID, RR mx, AA nx, F-G (Burlew)
- 15213.5 UNID Cf Nov LR, heard again 10-15 from 2040 with mx, PP & EE to 2053*, mention of "Internacional" in ID, very weak (Behr)
- 15220 S AFRICA RSA 0518 EE, nx, P (Guarducci)
- 15230 CHILE presumed source of tone (not variable) jammer on Cuba 2311 (10-10 Hauser)
- 15235 ETHIOPIA ETLF 0525 EE/Lang Children singing, E (Guarducci)
- 15240 AUSTRALIA RA Lynnhurst 0400-0430 EE, 10 kw, F (Jones)
- 15240 CZECHOSLOVAKIA RP *1500 P, heavy QRM, (Estes) Roberts)
- 15250NF SAUDI ARABIA BSKA *1600 IS, AA ID, chants, 1700 AA ID, AA nx, F (Behr, UMDX, /
- 15250 ROMANIA RB 1300 EE, nx, F (Zilmer)
- 15260 ASCENSION IS BBC 1950-2030 EE, class mx, stock mkt, freq info, nx, cmntry, G-WG (Earhart); 2115 EE "Scotland Today" px, F (Archard)
- 15280 USA KGEI 0230 SS, rel px, mx, G (Brown)
- 15300 JAPAN NHK *0500 EE, IS, ID, nx, G (Perdue)
- 15300 ECUADOR HCJB 1930-1955 EE, DX party line, F-G; 1850 GG rel px, 1900 EE mx px, G (Earhart)

- 15305 SWITZERLAND SBC 1530 EE, nx to Africa, F (Zilmer)
 15315NF ISRAEL IBA 1645 Persian, 1715 Hung., 1735 RR, P-G (Brock, Behr)
 15325 CANADA RCI 1224, 2115, RGSWC DX special px, hookups with RN DX jukebox, R Sweden
 SCDX, RNZ Arthur Cushen, and BBC World Radio Club hosts, P-G (Paschke, Calkin-Eng.)
 15335 AUSTRIA ORF 1830 EE, nx, cmntry, F (Zilmer)
 15345 NORWAY RN 1600 EE, Norway this week, Sunday only, G (Zilmer)
 15350 LUXEMBOURG RL 1700 FF, 2005-2045 FF, pops with frequent interruptions by DJ, F-G
 (Schwartz, Earhart)
 15385 ITALY RAI 1835* EE, Disc of Pope's visit to Jerusalem, G (Schwartz)
 15405 USSR RM 1200-1230 EE, nx, cmntry, G (Earhart)
 15415 KUWAIT RK 1630 - 1705 EE, nx, sports, mx, F (Schwartz, Zilmer)
 15425 CHLE jamming RHC same as 15230, 11760 and 9550 seemed free, 2311, (Hauser)
 15425 CUBA RHC 1245-1305 SS, mx, ID, Fidel speech, P-F (Earhart)
 15430 SWITZERLAND SBC 1315 EE, dateline to Far East, P (Zilmer)
 15435 TANZANIA RT 1800 nx in EE, 1830 PP & Afr tlk, 1931-2001* EE, s/off w/anthem, P-F
 (Isen, Behr)
 15440 PHILIPPINES FEBC 2330-0000 EE, mailbag, nx, 0445 EE rel px, 0000 CC tlk, P-F
 (Tyson-Australia, Mayer, Earhart)
 15445 JAPAN NHK 0010-0040, 0130 EE, nx to NA, features, F (Zilmer, Earhart)
 15445 BRAZIL R Nac Brasilia 2305 EE, nx, features, QRM de VoA, P (Earhart)
 15455 BANGLADESH RE 1230 EE, nx, P (Zilmer)
 15460 USSR RM 1504 Lang., F-G (Estes)
 15475 EGYPT Cairo 1305 AA, nx abt air raids, sirens in background, (Duba)
 CLAND R Portugal Livre 1922 IS and PP px to 1951*, //11507 (Behr)
 15522a PAKISTAN RP 1300 EE, nx, utility QRM, //17845, 21590, F (Zilmer)
 15545 CHINA RP *2300//15590 for HS 1 px, all CC, other // are 7504, 8965, 11290,
 11330, (Davis)
 17625 EGYPT R Cairo 1315, AA, mx, tlk, F (Zilmer)
 17655 EGYPT R Cairo 1600 AA, tlk, mx, 1730-1745* EE to Africa, war nx, F (Zilmer,
 Archard, Schwartz)
 17675 CHINA RP 0000 EE, nx, F (Zilmer)
 17695 ENGLAND BBC 1400 EE, nx, F (Zilmer)
 17720 TAIWAN VoFC 0200-0222 EE, nx, (Bettenhausen)
 17721.5 ISRAEL IBA 1530 RR, 1615 Yiddish to 1640*, F (Behr)
 17725a SWEDEN RS 1530 EE, s/on as African EE svc of RS, not on their sched, P (Jones)
 17730 MALAGASY REP RTVM EE ID, anthem and drum IS 1550-1601*, also FF ID at 1600, local
 mx, over ORF in England, (Calkin-England, Mayer)
 17735 CUBA RHC 2115 EE, Voices of Revolution px, F (Archard)
 17735t SEYCHELLES IS FEBA? 1545 EE, off 1600, Afro mx, no pos ID, anyone else??, P(10-20)
 (Archard). Cuba logged here this time 11-20-ed.
 17775 USSR RM *1700 IS, to weak to read, (Estes)
 17780 S AFRICA RSA 1600 EE, nx to Europe, F (Zilmer)
 17793-95v ALGERIA RTVA 2008-2030 AA, chants, tlk, mx, F-G (Earhart)
 17805 SPAIN RNE *1300 SS, M&W tlks, SS mx, F (Paschke)
 17815 ITALY RAI *1700 II, IS, tlk, QRM, F (Estes)
 17825 NORWAY RN 1300 NN, tlk, EE ID, F (Zilmer)
 17830NF GERMANY (FR) DW *1400 GG, nx, IS, E (Estes)
 17830 SWITZERLAND SBC 1530 EE, nx, Panorama to Africa, F (Zilmer)
 17830 USA VoA Greenville, 1400* EE ID, P (Estes)
 17840NF ENGLAND BBC 1600-1610 EE, world nx, ex 17790?, G-F (Brock, Estes)
 17845 PAKISTAN RP 1300 EE, nx to 1310 then lang mx, P (Zilmer)
 17845 USA WYFR 1930 EE, rel px, E (Mayer)
 17875 GERMANY (FR) DW 1200 EE, nx to Africa, F (Zilmer)
 17920 EGYPT R Cairo 1330 EE, nx, F (Zilmer)
 17940 UNID Afro or Asian 1200, 1300, 1400 Lang, mx, tlk, heard every morning now, P
 (Zilmer)
 21460 BELGIUM RTB 1330 FF, DD, tlk, mx, to Africa and S Europe, P (Zilmer)
 21470 ENGLAND BBC 1600 EE, World nx, G-E (Estes)
 21475 GERMANY (DR) RBI 1300 EE, nx, cmntry to Africa, F (Zilmer)
 21480 HOLLAND RN Lopik *1400 EE to SEA, F (Jones)
 21495 PORTUGAL R Nac 1915 SS nx, mx to Africa, F (Archard); 1900-1915* EE,
 class mx, F (Earhart)
 21545 GHANA RG 170 mx, 1715 PP tlk to 1744*, weak (Behr)
 21555 BELGIUM RTB 1530 DD/FF, mx, some EE records, F (Zilmer)
 21585 SWITZERLAND SBC 1545 World and Swiss nx, F (Archard)
 21590 PAKISTAN RP 1300 EE, nx to 1310, then lang mx, P (Zilmer)
 21600 GERMANY (FR) DW 1200 EE, nx, F (Zilmer)
 21615NF SWEDEN RS 1400-1430 EE, nx to NA, replaces 17815, P (Zilmer, Jones)
 21700 PORTUGAL R Nac 1945-2010 PP, pops, to African territories, F (Earhart)
 21710 ENGLAND BBC 1600 EE nx, (Estes)
 21719.5 GHANA RG 1600 Swahili px to 1628*, QRM de RFE, (Behr)
 21730 MALAGASY REP RN 1530 DD px to 1650*, VG (Behr)
 25650 ENGLAND BBC 1300 EE, nx, (Zilmer)
 25790 S AFRICA RSA 1305, sports summary, 1400-1455* EE px //21535, (Zilmer, Behr)
 25900 NORWAY RN 1300 NN, tlk, EE ID, P (Zilmer)
 26040 USA VoA Greenville 1345 EE, Nixon news conf., F (Zilmer)

A short HF list this mo.
 Happy Holidays and good
 DX. Beat the energy
 crunch, stay home and
 DX. 73 J. A. Lineback

44 reporters this month.....not as many as expected, but a lot of good items. Noted a number of first time reporters as well as several that have not reported recently....Remember the new address, P.O. Box 1132, Richmond, Indiana 47374.

ABRAHAM, Larry, Bridgeport, Michigan HQ180A
 ANDERSON, Julius C., Brooklyn, New York
 ARCHARD, Malcolm, St Ignace, Michigan SW4A
 BARTO, Sam, Morris, Connecticut BC-794
 BEHR, Ernie, Winnipeg, Manitoba, Canada R4B/XCR30
 BETTENHAUSEN, R. A., Rapid City, S.D. GR78
 BROCK, Pauline, Montreal, Que., Canada. SX190
 BROWN, Mark, J., Minster, Ohio. DX-150B
 BURLEW, Doug, York, Pennsylvania. SX190
 CALKIN, Gregg A., London, England. SW4A
 COLLIER, Mike, Williamsville, New York. HQ 129X
 DAVIS, Bill, Laguna Niguel, California. Homebrew
 DEXTER, Gerry L., Lake Geneva, Wisconsin.
 DUBA, Mark A., Burlington, Vermont. RB4/SX-190
 EARHART, Kenneth A., Allentown, Pennsylvania. DX150A/SX190
 ESTES, Steve, Newport News, Virginia. SX190
 GENDRON, John C., Arlington, Virginia SX190
 GUARDUCCI, Ciro, Cassiar, B.C., Canada. Lafayette HA600A
 HAUSER, Glenn, Stillwater, Oklahoma HQ160
 HENDERSON, Dan, (East-DXpedition to Red Oak Mountain, Virginia)
 (West-DXpedition to Whidbey Island, Washington) SX190
 ISEN, Forester, Baltic, Connecticut R-388/URR
 JONES, Jimmy, Nashville, Tennessee. DX150A
 KING, Donald, Havertown, Pennsylvania DX150A
 LEONHARDT, Mac, Richmond, Indiana SB-310
 LINEBACK, Jerry A., St. Joseph, Illinois. SPR4
 MARTIN, A. E., Warrington, Lancaster, England. AR88D
 MAYER, Alan, Park Forest, Illinois. SB-310/DX150B/MC 173/A20
 MILLER, Albert J., Youngstown, Ohio HRO-500
 NEBRON, Larry, Daly City, California. SX190
 PASCHKE, Bill, Beloit, Wisconsin. SX190
 PATTERSON, Carroll R., Decatur, Georgia SX-99
 PERDUE, Neal, Millinton, Tennessee. SB-313/HA-600A/SW4A/A20
 ROBERTS, James E., Winnipeg, Manitoba, Canada. Kenwood 9 R-59D
 ROBINSON, Daniel, Levittown, Pennsylvania HQ180C
 SCHNABEL, George, Rochester, New York SW4
 SCHWARTZ, Richard C., Dover, Delaware SX190/S-108/BC221AK
 TUCHSCHERER, John, Neenah, Wisconsin. HQ100A
 TYSON, Craig, Wembley, Western Australia. Trio 9R59DS/BC-22
 UMDX - Univ. of Manitoba DX-SWL Club (Bill Hood, Jim Roberts, et al) SX190
 VALDES, Jeremy Aurelio Foster, Wolfville, Nova Scotia, Canada
 WALLACE, Steve, Lewiston, Pennsylvania. DX150A/A20
 WILSON, Solomon, Philadelphia, Pennsylvania SX190
 WOOTTEN, Charles A., USN, Morocco. Zenith Transoceanic/SRR-13/R-390
 ZILMER, Robert, Milwaukee, Wisconsin. SPR4
 * * * * *

Since we have some space left, we might mention that Ed Shaw's "Tall Tales" contest was noted in October FRENEX.....OK, we're getting up our own unofficial contest, namely a "DX Limerick" contest....We don't know what the prizes will be as yet, and as a matter of fact there may not even be any. Nevertheless, send along your own favorite DX limerick to this editor and we will see what happens. Here's a couple of examples to show what someone not too bright can come up with without too much thought.

DXer Joe was quite disgusted,
 To find his receiver busted,
 Because all he could get,
 Was an awful lot of het,
 So he turned it off and cussed it.

The old hermit DXer named Dave,
 Kept a 1933 WRTH in his cave,
 He said 'I'll admit,
 it's out of date a bit,
 But think of the money I've saved"

o o o (MRL)

FLASHSHEET

The Flashsheet is published twice monthly by NASWA, Box 8452, S. Charleston, West Virginia.

DECEMBER 1973

Freq: KCS

TIME: GMT

AL NIBLACK, Editor, 420 Shelby St., Vincennes, Ind., 47591 DEADLINES 15th & 26th Month

CANADA 9740 New BEC Relay via Sackville, *2300-0030* World Svc...11795, new D.W. Relay via Sackville, *2300-0050*, SS. No xmtr IDs noted but has typical BEC Relay sound!(Ernie Behr, CANADA)

CHILE 9750A Last night I heard CE975 for time period 0200-0213 in all SS, with an bodacious and unbleivable signal, if their listing of 5kw as in WREFFH is correct. (Grady Ferguson, S.C.)...Seems Chilean stations back again. R. Portales, 9570A, coming in good around 2300, wonder if an increase in power?? Have not heard the Chilean outlet on 9590, for some time now. How about it, has any one else. Problems seem back to normalcy. (Bob Zilmer, Wisc.)

COLOMBIA 4786 Ecos del Combeima, 0515 m and SS IDs, also amcing, "Hora Super"; and, "Super Radio"...5951.3 Radio Super de Medellin, 0615 music and many SS IDs, 11/17, also amcing, "La Internacional"... 5032 This Colombian is more correctly, "Brigas del Cucara", heard 1000, with music and talk about Colombia, 11/17th...Voz de Caqueta on 5035, same time. (Credit all to Ernie Behr)...I am hearing what seems to be Brigas del Citara on 5032, without too much interference. (Al Miller, Ohio) (NO time quote, Editor)

DOMINICAN REP 4785 Onda Musical has moved to this freq, noted 11/17th, and later. (LR Editor Jerry Lineback, Ill.) (NO time quote, Editor)

ETHIOPIA 11960 EITLF logged 1930-2015, all in EE, excellent lvl with World and African news. Some side splash from VOA nearby. (Hadley Cress, Va.)...VOG, EITLF, tuned and found with news in EE at 1950, till time out at 2010. (Grady Ferguson) (NO freq quote, Editor)...15190 EITLF, 1340-1350 in EE, an ID, "This is Radio Voice of the Gospel", primarily for S. India, 33333. (Richard Schwartz, Va.)

GERMANY(w) 7265M GFR in GG, 0205*, with an ID, "Das waren von dem Sudwestfunk die Nachrichten" and Weather Report. (Richard Schwartz)

GREENLAND 9575 Gronlands Radio, 2000 Danish music, 2004 music and talks, fair lvl to about 2050; never heard this time before. (Ernie Behr)

INDIA 11810 AIR, Delhi, 1535-1540*, ID, ES news, at SINPO 33333. (Richard Schwartz)

IRAQ 9745 Radio Baghdad 1800 with an AA ID, followed with news at 1830, fair lvl. (August Balbi)

IVORY COAST 11920 2135-2300, Abidjan with African music and vocals, IDs at 2201 /Balbi, Cal.) and 2259, no QRmary. (Hadley Cress)...A real goodie! QSL in from RTV Ivoireame for a FF report! (Ed Insinger, N.J.)

ISRAEL 9009 News in EE 0500-0515, terminating with, "Good morning and Shalom from Jerusalem" followed by news in FF. (Hadley Cress)...9525 IRA Home Svc, 0100 Hebrew news, 0106 songs past 0230, //9009, both fair enough lvl. (Ernie Behr)

JAPAN 15445 NHK to WCA 0100-0300, EE news 0130, replacing 17745...5995 NHK S/on 1000, EE news in General Svc follows. (August Balbi)

KOREA(N) 9455 Radio Pyongyang well heard in EE at 1000 and 1300, 1 hour each. (August Balbi)

KOREA(S) 15335 Radio Korea with an ID, annod for the, "American Hour" at 0301. General news to 0308. Inviting reports, promised QSLs. (Hadley Cress)

KUWAIT 11940 Woman annor, an ID as, "Huna Kuwait" at 1700, followed by the news in AA. Fair lvl to 1730, poor thereafter. (Hadley Cress)

LEBANON 9755 R. Lebanon, 0130 FF, AA and EE past 0230; ex-9545. (Ernie Behr)

LIBERIA 11940 ELWA at 1700; EE news at 2045; and, 4770, ELWA with BEC news at 0700. (August Balbi)

MADAGASCAR 17730 RTV Malagasy, 1500 EE ID and music, 1532 EE news, music till S/off / Balbi) at 1600. Over ORTF on 11/11. (Ernie Behr)

MALAYSIA 9665 Kuala Lumpur with EE news at 1000, 1400, and 1600. (August Balbi)

NEW HEBRIDES (FLASH) 3945 Radio Vila, at 0800 in FF, two songs, 0906 instrumental music to 0909 abrupt S/off, at weak lvl but in the clear, on 11/15th, informs Ernie Behr in re this goodie.

NEW IRELAND (FLASH) 2428 Radio New Ireland, possibly a first in stateside logging, noted with choral singing in native, children, an ID by men and women. Final ID mentioned Radio New Ireland, with S/off 1103. (Bill Sparks, Cal., via NU and Don Jensen)

NEW ZEALAND RNZ s/on 0600 on 11780 with BEC news, replacing 6080, 9540; NZ news at 0710... Also noted S/on at 1700 with full ID, good sigs, 11780. (August Balbi)

PAPUA/NG 2450 Radio Mt. Hagen, 11/9th, with C&W recordings, man annor, with usual chimes at 1115. (Bill Sparks, via NU and Don Jensen)...4887M ABC, Port Moresby; not on 4990, 1250-1330, ID for ABC, Port Moresby, in EE, at 4444. (Richard Schwartz)

PERU 5025.5 R. Quillabamba, 1005 Andean music and Indian talks to 1100, vy good lvl. (Ernie Behr)

POLAND 9570 Polish ES, 0415 music and a few Polish ads, 0500 Polish news. Often the best European signal on the band. (Ernie Behr)

SANDI ARABIA (FLASH) SABS, Riyadh, on 6130/11775/11890, 2200-2300 in AA prgm, with EE anncts. asking for reports on new hi-power transmitter.

SCILICIT 6060 RAI QSLed my report in less than 30 days for period 0030-0100, as indeed their Regional outlet on this freq, marking in Caltanisetta as site. (Al Niblack, Indiana)

SEYCHELLES 11955 FEBA noted 1745-1835 in religious prgming in EE gave QTH as: Box 234, FEBA, Seychelles. After 1800 went into AA. No signal on annod parallel 15330. (Hadley Cress)

SOUTH AFRICA 4789A (And here we go) There should be no confusion between Turks Is., 4788,

(continued)

SOUTH AFRICA (continued) and the All Night Svc of SABC. The use of both EE and Afrikaans should make it impossible to confuse with Turks Is. (Neal Kolb, Fla.)...I have a QSL from SABC, 4789, for the "All Night Svc". Enclosed is a copy of the schedule they included: Weekdays 1722-1822, Springbok Radio, 4790 kHz; Sundays 1722-1822, 4790. (Al Miller, Ohio) ...I don't doubt that some one might have heard Turks Is, but they ain't that easy. (Al Miller)...On 11/10th, from 2000-2200, on 4788A, I logged what I thought was Turks Is., but careful checking proved that this was SABC's EE and Afrikaans Internal SW Svc. However, a severe heterodyne is present. (Ed Insigner)... (Checks last Sunday around 2200, on 4790 kcs precisely (measured on BC-22L-AN Freq Meter) disclosed SABC at good level; now see Turks Is., on 4788, in this column, later on, Editor)...SABC is coming in loud and clear now, heard as early as 2015 on 4790. I suggest that any one claiming to hear Turks Is., on 4788 should list as tentative. (Bob Zilmer)...3250 SABC at 0338 EE/Afrikaans, news, music, ads. (Jerry Lineback)...3997 0340, EE/Afrikaans, like format...4790, 0330, in EE and Afrikaans, ads, music, EE, 11/20th...4830 *0400, IS, ID as EE Svc, 11/14, later... 4875 *0400, Afrikaans, ads, music, 11/14th and later; (Credit all the foregoing, after Bob Zilmer's item, to Jerry Lineback)

SUDAN 5039 Omdurman at *0400, followed in AA chants, talk, fair lvl. (Jerry Lineback)

TATWAN WPC, 9510, in language 1600, FF 1700, EE 1800, paralleling 9685, both good lvl signals. (August Balbi)

TURKS IS (NOW HEAR THIS) Re discussion, there are two stations here, one on 4788 and the other on 4790. Turks can be distinguished from SABC by lack of amcts, tendency to play Soul Music, while SABC runs cigarette ads, chimes, so on. Turks gives time in EST, ID's from Turks (Sat only) include, "This is the 500 watt sound of solid gold from Grand Turk; Radio Turk Island; and, Radio TT"; and, Cable and Wireless Ltd., Radio Turk Islands". (Russell Lay, Va.)...I logged Turks Is., 11/3, 2115-2255, mostly American Rock and the only ID I got in all that time was, "This is Radio 4788". Excellent lvl. (Neal Kolb) (Both outlets are operating in the general vicinity, I suggest, Editor)

USA A New station WFFW-Your Family Radio, can be heard on 15130 from 1930 in EE, with religious prgms. Postal QTH is WFFW-Your Family Radio, Oakland, Cal., 94621. This station may be the former WNYW with transmitters in Situate, Mass. (Ed Insigner)...New SW Radio Station WFFW-Your Family Radio, has been heard. ID was given at 1700 S/on on 15440 to Europe. Transmitters are located same place in Mass., as WNYW. (Arthur Smith, Ala.) (I suggest its former WNYW, Editor)...KGFI has moved to 9615, 0500-0700, EE 0430-0700. KGFI noted with Goldengate Friendship Amian Service on 9585, 11.16th, 0700-0830 EE news. Reports to Box 15, San Francisco, Cal., 94101, and promises to QSL all correct reports. (August Balbi)...Family Radio, WFFR, formerly WNYW, all religious prgms in EE, and lists Oakland, Cal., as QTH, using same freqs and asked as WNYW did. (August Balbi)

USSR 9500 "Govorit Anadyr", 0516 with this ID, Anadyr time and local RR prgms, 0530 Chukchi prgm, vy strong lvl. Maybe a relay, but no Madagan IDs heard. Pronounced, "Anah'dr". (Ernie Behr)

UNIDENTIFIED 15417.5 Station with EE amct and news by YL at 1900, from 1918 music; 1929 AA, or similar, heard 11/6th. Does Algeria have a new EE Svc?? (Ernie Behr) (Ernie, Algeria does use some EE, I have noted in the past; also Athens varies up in that vicinity I have noted, Editor)

OCTOBER 1973

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 11-5-73; 1-68, 2-66, 3-52, 4-50, 5-44, 6-38, 7-70, 8-22, 9-23, 10-8, 11-0, 12-0, 13-8, 14-10, 15-16, 17-18, 17-19, 18-15, 19-0, 20-0, 21-0, 22-20, 23-38, 24-36, 25-53, 26-59, 27-53, 28-66, 29-70, 30-63, 31-37
MEAN—33.0

PREDICTED: NOV-29 DEC-28 JAN-27 FEB-26 MAR-25 APR-24 (Grady Ferguson, S.C.)

BULGARIAN RADIO AND TELEVISION ENGLISH LANGUAGE BROADCASTS: From November 10, 1973, Radio Sofia launches its New Year competition for English speaking listeners throughout the world.

Please answer the following questions: Which international events during the outgoing year are, in your opinion, most conducive to a peaceful 1974? What do you expect of 1974 in the way of detente? Mail your letters postmarked December 30, 1973, at the latest, to the following address: English Language Broadcasts, Radio Sofia, 4, Dragan Tsankov Blvd, Sofia, Bulgaria. The best and most detailed will be read in our transmissions. The following prizes of five first, ten second, and 15 third prizes, including colour prints of Bulgarian icons and reproductions, as well as LPs of Bulgarian music and folk crafts items, will be given.

RADIO COMPONENTS COURSE: To meet listeners' demand for information on components, Jim Vastenhoud has written a "Radio Components Course", aiming to give listeners a better insight into the functions of radio components. The course will commence in DX Juice Box on Thursday March 7, 1974. Text is available, free, and enrolment is now open, write to:

DX JUICE BOX Radio Nederland, P. O. Box 222, Hilversum, Holland. It is assumed that many of your members/readers will be interested in following our new course. (English Section Radio Nederland via Friend Serge Neumann, direct to the **FRENCH FLASHSHEET**)

ACKNOWLEDGEMENT: Thanks to all for the continuing able and knowledgeable support. If it were not for your help this column would not exist. This is the last time that we will greet you before the Holidays (except in the Mid-Month FS) and we wish to take this opportunity to wish to All the very best of Happy Holidays and may Santa fill your stockings with rare DX catches. On the more sober side, let us all hope for a lasting and abiding peace throughout the World. For now—

..... Vy 73, AL

RADIO NEDERLAND
WERELDOMROEP



RADIOFUSORA MUNDIAL HOLANDESA | DUTCH WORLD BROADCASTING SYSTEM | RADIO MONDIALE DES PAYS-BAS

HILVERSUM HOLLAND P.O. BOX 222 TEL. (02160) 146 61 65, WITTE KRUISLAAN
CABLE ADDRESS: MUNDIVOX HILVERSUM

HILVERSUM, November, 1973.

This circular-letter is being sent to the DX Federations and Councils, DX Clubs and all short wave Stations featuring a DX programme.

Dear Friends,

The World DX Friendship Year '73 is nearing its end, and we who are in some way involved - DXers, DX Federation and Club officials, and producers/presenters of DX radio programmes - can look back on activities which, as I am sure you will agree, have brought us closer together and at least made us more aware of the potentialities for international friendship that are contained in the DX hobby.

One of the positive elements that WDXFY'73 has produced is a widespread desire to protract world friendship through DXing into the future. I, personally, have received many letters calling for further initiatives to ensure that "every year shall be a World DX Friendship Year", and I know that I am not alone in this.

Also, the very successful Sweden Calling DXers Contest, in which 17 SW Stations collaborated, resulted in the desire, expressed by many of the contestants, to make this an annual event. Our good friend Arne Skoog of SCDX has suggested that this annual contest be called "DX Rally", and on behalf of Radio Nederland, and as producer of DX Juke Box, I have agreed to organize the event in 1974. It is hoped that the DX Rally will be sponsored and organized by a different SW Station in each consecutive year.

Naturally, I have given much thought to the 1974 project, and I am submitting herewith 10 points with the request to give careful consideration to the ideas put forward, and I shall be extremely grateful if you will kindly let me have your reactions at your earliest convenience.

But first let me draw your attention to what I consider to be the most inspiring issue of World DX Friendship Year '73. I refer to initiatives that have been

developed to make the DX hobby known to handicapped people - the sightless, the disabled, the bedridden.

A positive, organized step in this direction was started in 1972 by the American SPEEDX organization, which initiated a Handicapped Aid Program (HAP). It came to full flower in the WDXFY'73, and is bringing a new interest and colour into the lives of handicapped people.

A highlight of HAP activities has been the placing of a complete listening post (including a communications receiver) at the disposal of the Rancho Los Amigos Rehabilitation hospital - one of the largest such hospitals in the United States.

Arthur Cushen, M.B.E. of New Zealand has compiled a DX Course for the blind, and it is available via SPEEDX to blind persons everywhere.

It is also known that the Newark News Radio Club in New Jersey, U.S.A. issues cassettes and runs a programme to provide information to blind DXers.

The Tellus DX Club of MÖlndal in Sweden has, in 1973, delivered handicapped people from their isolation by providing them with international contacts via the DX hobby. Supported by the city authorities, the club room has been adapted and equipped to suit the special requirements of the handicapped, and an equipment-lease programme is contemplated.

The International Short Wave Club of London has also been actively engaged in this direction, and it was suggested in a recent ISWC bulletin that, in memory of the Club's late Secretary of long standing, an Arthur Bear Fund be organized to provide means for aid to the handicapped.

The European DX Council plans to start a Handicapped Aid Programme, and it is hoped to get this off the ground in 1974.

In view of all this activity, and of the evident desire in DX circles to turn the available facilities and know-how to the benefit of the less fortunate, it seems to me that there is every reason for designating 1974 as the World DX Handicapped Aid Year, and to coordinate and streamline our ideas in order that the greatest possible effect is achieved in the widest possible area.

The ten points submitted herewith will, I hope, give rise to further constructive ideas. Here, I feel, is something we can all do together.

Yours sincerely,
RADIO NEDERLAND WERELDOMROEP,



Harry van Gelder,
DX Producer.

DX RALLY 1974

TEN POINTS FOR YOUR CONSIDERATION

1. The year 1974 to be designated WORLD DX HANDICAPPED AID YEAR.
2. The 1974 DX Rally to be in the nature of a year-round campaign by DXers for DXers.
3. DX organizations to establish contact with institutes for the Blind, Rehabilitation Centres and other specialized institutions for the handicapped, with people isolated in their homes, and also with municipal authorities in order to gain access to such centres for the purpose of introducing inmates to the DX hobby, and of giving guidance and support thereafter.
4. Radio stations with DX programmes to stimulate, support and publicize the DXers' initiatives on a regular basis throughout 1974.
5. The participating stations to air some special programme(s) centred around some form of DX activity for the handicapped, in collaboration with the national DX organizations. These programmes to be spread over 1974. (In practice this will probably mean the second half of 1974).
6. The DX Rally contest proper to be twofold in character.
 - a) a Club contest for the best results in the interest of the handicapped,
 - b) an individual DX contest for picking up and reporting on as many handicapped aid (station) programmes as possible in 1974.
7. The contest jury sub 6a to be nominated by ANARC, DX-Alliansen and EDXC, jointly.
8. Prizes (to be donated) as far as possible in the form of equipment, instructive literature, etc, to go to the handicapped, not to the contestants. Certificates to be issued to the latter.
9. A further aim to be the setting up of permanent national or local DX Handicapped Aid Programmes.

10. DX Rally '74, incorporating World DX Handicapped Aid Year, to be publicized and discussed (besides by the stations) in DX-bulletins, and to be an agenda item at Club meetings, at the RDXA Parliament and at the ANARC and EDXC Conventions.

It is realized that a year is a long time for interest to be sustained, but any campaign takes time to get underway. The project will have to "get talked about".

The 10 points set forth above are suggestions. You may have other and better ones. Please let me have them. And please let me know as soon as possible if you intend to be actively involved. Thank you.

Harry van Gelder,
DX Producer,
RADIO NEDERLAND.

It seemed that the best way to present the effort proposed by Harry van Gelder would be to reprint the letter and the "10 points", as above.

NASWA fully supports such cooperative efforts as outlined in the above letter. Our motto, UNITY AND FRIENDSHIP, has long expressed our conviction that there is something more to the DX hobby than sitting in the attic logging stations. The results of our efforts to increase the frequency of personal contact among members have demonstrated that this conviction is correct....Now, we welcome this further opportunity to cooperate with other clubs, with stations, and with individuals in this very worthwhile project.

We will be giving further details as they become available. We expect shortly to announce a coordinator for NASWA participation in WORLD DX HANDICAPPED AID YEAR.

Dan Ferguson

NASWA DUES remain at US\$10 per year. This includes first class delivery of all issues of FRENDX issued during the membership year, in North America. Airmail rate is US\$11 in North America. The MID-MONTH FLASHSHEET is US\$2 per year, first class in NA; airmail is US\$2.36 in NA.

Overseas rates Membership is US\$10. Airmail to Europe, Central America and South America is US\$12 (a slight reduction). Airmail to Asia and Africa is US\$15 per year (also a slight reduction from recent rates).The MIDMONTH FLASHSHEET is available overseas only by air cost is US\$3 per year.

When your membership is about to expire we stamp a notice on the outside of your copy of FRENDX. The earlier you renew the easier it is for HDQ to insure that you aren't missed in the initial mailout of the next month's FRENDX....ALL MEMBERSHIP FRES SHOULD BE DIRECTED TO NASWA HDQ, BOX 84-52, S.CHARLESTON, WV 25303 USA.

ORDER YOUR WRTH FROM HDQ TODAY - JUST \$6.50 in NA. A \$1 SAVINGS ON A "MUST" BOOK!



CLANDESTINE BULLETIN

Larry Magne, 1315 Pine Street, Philadelphia PA 19107 USA, Tel. 215-KI5-7699

As the Radio Free America operation is now in a stage of painstaking litigation, we can catch up on some of the other information that has languished in recent issues. The only point of interest *vis à vis* RFA is that, as CB predicted, a high Government official -- H.R. Haldeman -- has been asked to testify at RFA legal proceedings. Whether he will be required to appear is another matter, but other present and former White House officials (e.g., Colson, Mitchell) could be sought out instead.

If you have written here in recent weeks and had no answer, please bear with me, as a number of personal matters -- among them a new wife, new work, and a new home -- have made it impossible to get even essential daily matters taken care of. I expect things will be less hectic by January.

One small non-clandestine item too late for LN or FS is contained in a cable from the IEA indicating major changes will take place in its overseas broadcasts around early December. Additionally, the 1130-1230 broadcast is now on 15100 & 17710 kHz (ex-17720 and, presumably, 15130); and the 2000-2045 broadcast has replaced 15100 by 15400 kHz, dropped 11725 and 17720 kHz, and increased power on the clear channel of 11700 kHz.

This month CB provides the first complete writeup on the African station, Radio Liberation ("Radio Libertação"), plus a full rundown on Laotian and Persian Gulf stations.

WEST AFRICA

CB is proud to present details of the long-mysterious PAIGC operations on shortwave. Thanks to Ms. Amélia Sanches of PAIGC we now have a reasonably-complete picture of the Radio Liberation setup.

RADIO LIBERATION ("Radio Libertação"): Radio Liberation is the official station of the *Partido Africano da Independência da Guiné e Cabo Verde* (PAIGC), which is now a member of the OAU and which is recognized by over 55 nations as the official government of the "Etat en République de Guinée-Bissau", i.e. what is often referred to as Portuguese Guinea.

The station has broadcast daily since mid-January, 1973, from its own transmitters near Conakry, Republic of Guinea. Of these three transmitters, one has an output power of 2.4 kw, while the other two have a power of one kilowatt each. Additionally, Radio Liberation is carried as a regular program by three other African broadcasters -- Radio Conakry, Radio Senegal, and Radio Mauritania.

At one time transmissions were jammed by a two-tone beeper, but this seems to have ceased. However, Radio Conakry is currently jammed heavily on 9648v and 7125v by an unknown source (it is worth noting that although the Soviet Union has cut back on its jamming of foreign radio broadcasts, Chile, Israel and Rhodesia have apparently resorted to this odious practice in recent weeks).

Radio Liberation transmits solely in Portuguese and West African vernaculars to Guinea-Bissau and the Cape Verde Islands. Its official schedule appears to be accurate, although in practice sign-on times tend to vary somewhat from day-to-day. The transmitter on 6240 kHz is of 2.4 kw, while the others are of 1 kw each. Other frequencies used earlier in 1973 include 6120, 7300 and 15265 kHz.

For the record, the black clandestine station, "Radio of the National Liberation Front of the Republic of Guinea", which operated from 0620-0725 and 2100-2205 on 4970 kHz, ceased broadcasting in March, 1973. This station was operated as an anti-Touré device by the Portuguese and pretended to represent an indigenous force within the Republic of Guinea opposing President Sekou Touré.

Schedule via PAIGC transmitters near Conakry:

0700-0900	6240 kHz	1330-1500	6240, 9585, 15275 kHz
0800-0900	9585, 15275 kHz	2000-2300	6240, 9585, 15275 kHz

Schedule via Radio Senegal:

2100-2115 Tu/Th/Sa 764, 4890, 7170 kHz

Schedule via Radio Mauritania:

2130-???? Monday 1349, 4850 kHz

Schedule via Voice of the Revolution (Radio Conakry) as traced since 1971:

2300-2330* Mon/Wed/Fri/Sun 1403, 4910v, 7125, 9560v, 11965 kHz (also reported irregularly on 6392 & 7650 kHz)

*reported 2300-2335

Reception on 6240 kHz is usually good on the Eastern seaboard at 0700 and around 2200. The IDs include, "Esta é A Voz da Libertação, ou é Radio Libertação -- estação emissora do PAIGC. A voz do povo da Guiné e Cabo Verde em luta", "Esta é Radio Libertação", "Aqui Radio Libertação", and "Transcreve é Radio Libertação". The interval signal consists of African drumbeats (4/4/3/5). It signs on with an ID, then into a Majak-like theme on a guitar and it signs off with an anthem. Ms. Sanches indicates reception reports would be of "great use", but says nothing about verification. However, friendly reports in French or Portuguese might succeed in extracting a verification and can be directed to Amélia Sanchez, Services d'Information du PAIGC, Secrétariat Général, B.P. 298, Conakry, Republic of Guinea, enclosing 3 IRCs for return airmail postage.

Our thanks to Glenn Hauser, Ernie Behr and the others who provided the several details to compliment Ms. Sanches' information.



Pro-Communist forces in Laos operate pretty much under the direction of the Lao Patriotic Front ("Neo Lao Hak Sat"). According to Western sources, the Lao Patriotic Front claims to consist solely of the People's Party of Laos ("Phak Pasason Lao"), with the Patriotic Neutralist Forces being an autonomous ally. These same sources suggest the PNF are actually controlled by the People's Party of Laos, which, it is further alleged, is controlled by the North Vietnamese government. On the other hand, Asian sources indicate the Lao Patriotic Front consists of at least the Khaosan Pathet Lao and the Khana Pathet Lao, and is merely allied with the PNF.

Regardless, it appears the three groups mentioned by Asian sources are engaged in broadcasting, although there have been suggestions that the Khana Pathet Lao station is run by pro-U.S. forces as a black clandestine operation.

This much is beyond dispute: the Pathet Lao and their allies control most of Laos and are sympathetic towards and, to a large degree, dependent on Hanoi. All their transmitters operate from near Hanoi, apparently from the Voice of Vietnam complex also used by the Voice of the National United Front of Kampuchea and Liberation Radio (all these stations were crippled simultaneously by the December 19, 1972, B-52 bombing of the Voice of Vietnam).

Although the Pathet Lao are reluctant to discuss their radio operation -- perhaps because it tends to reveal their dependence on Hanoi -- Western sources are not so bashful and indicate clandestine radio operations are the prime propaganda medium for the pro-Communist, anti-U.S. forces. For that reason, Vientiane irregularly jams these broadcasts. RADIO PATHET LAO ("Witayu Kachai Sieng fai Pathet Lao"): This is believed to be the radio operation of the Khaosan Pathet Lao, the main pro-Communist political force in Laos and the controlling body behind the Lao People's Liberation Army. It has broadcast since 1960 from a site apparently within the Voice of Vietnam complex near Hanoi, although RPL claims to broadcast from its Laotian capital of Sam Neua. However, there have been suggestions that one transmitter, 15 kw, seized from pro-U.S. forces in battle years ago, serves to relay RPL broadcasts from a site at or near Khangkai, Laos. The First Network transmitters at Hanoi are reportedly of Chinese manufacture and are of less than 15 kw output each. The same Asian source indicates the RPL staff consists of roughly 300 persons.

In addition to broadcasting operations, the LPF operates from Hanoi a radioteletype (RTTY) operation whose schedule is not available.

The Radio Pathet Lao schedule, nominally via BBC MS, but actually compiled by the U.S. FBIS (see Don Jensen's revealing exposé of FBIS in the February & March issues of SWC), is as follows:

First Network

2227-2400	Laotian	4660v, 7310v kHz
0000-0100	Dialects*	
0100-0115	French	

0115-0130	Vietnamese	4660v, 7310v kHz
0130-0230	Laotian	
0255-0300	Laotian	4660v, 6200v, 7310v, 7480 kHz
0300-0345	Dialects*	
0345-0700	Laotian	
0700-0710	Dialects*	
0855-1000	Laotian	4660v (M-Sa), 6200v, 7310v kHz
1000-1100	Laotian	4660v, 6200v, 7310v, 7480 kHz
1100-1145	Dialects*	
1145-1200	Vietnamese	
1200-1300	Dialects*	
1300-1500	Laotian	
1500-1515	French	
1515-1530	Khmer	
1530-1600	Laotian	

*Dialects include Mao, Man, and Lave

Second Network

1155-1458 Laotian 4538, 7045, plus (irregularly) 8650v kHz

The station IDs in Laotian as, "Thi ni Witayu Kachai Sieng fai Pathet Lao"; in French as, "Ici la Voix de Pathet Lao"; and in Vietnamese as, "Day la dai Pathet Lao". The interval signal consists of an Asian xylophone and strings. It signs on and off with an Asian anthem, but not the Laotian National Anthem. It rarely verifies from the Information Office of the Lao Patriotic Front in Hanoi, 40 Quang Trung Street, Hanoi, Democratic Republic of Viet Nam. Publications include "Laos News", a weekly English-language newsletter from the Hanoi Information Office; Lao Hak Sat, published at Sam Neua in Laotian; and Kongthap Potpoi Pasason, Laotian-language organ of the Lao People's Liberation Army.

Laos News

PUBLISHED BY THE LAO PATRIOTIC FRONT REPRESENTATION IN DRVN

No 42 - SPECIAL

September 14, 1973

40 Quang Trung - Hanoi
Tel: 2388

RADIO OF THE PATRIOTIC NEUTRALIST FORCES ("Sathani Withayu Krachai Sieng Heang Pathet Lao"): This station first appeared in December, 1961, under the rubric "Radio of the Laotian Kingdom". Although it claims to operate from Khang Khai in Laos, it actually operates from Hanoi as indicated earlier. It is scheduled in Laotian from 2315-0015, 0500-0600, 1100-1200 and 1300-1400 on 4250v, 6273v and 8600v kHz. It IDs as, "Thi ni Sathani Withayu Krachai Sieng Heang Pathet Lao" and signs off with a slow version of the Laotian National Anthem. It is not known to verify.

RADIO KHANA PATHET LAO ("Sathani Withayu Krachai Sieng Khana Pathet Lao"): This station, first traced July, 1973, in Sri Lanka, is believed to be nominally the official broadcast operation of the Khana Pathet Lao. Aside from that, nothing concrete is known about the station, but Western radio monitoring agencies have yet to issue any data on it, leading to speculation that the station may, in fact, be a black clandestine operation of the CIA or the Laotian Government in Vientiane.

Additionally, Victor Goonetilleke, who unearthed the station in the first place, has recently -- and independently -- arrived at the same thought.

Laos is not new to black clandestine radio activity, having been the site of the fake "Voice of the National United Front of Kampuchea" (Pakse, Laos -- see March CB-1). Too, Vientiane is a veritable nest of CIA operatives both in known CIA activities and in mufti, usually as Agency for International Development (AID) advisors.

One such AID advisor, Tom Hargrove, is intimately familiar with black clandestine radio activities. Mr. Hargrove, whose activities have included clandestine military operations with U.S. Special Forces in Indochina, was deactivated from the military long enough to learn an AID skill (animal husbandry) and -- in the guise of an author -- nearly all there was to be known about past and present black clandestine radio operations throughout the world. After this period of training he made a trip to an undisclosed site in Texas and shortly thereafter surfaced as an AID advisor in Vientiane.

All we know of the station's schedule is that provided by Victor. He finds them in Laotian from 1100-1130 daily on 5012v kHz with the ID, "Thi ni Sathani Withayu Krachai Sieng Pathet Lao". Note, however, that Singapore and Nanning both operate on roughly 5010 kHz and that the clandestine Voice of the Burmese People operates on 5111v kHz from 1200-1300 and 0015-0130.

Thanks to the several who helped with this Laotian section, including the BBC MS, Vic-

tor Goonetilleke, Lars Rydén, Bob Bundy, and cartoonist Diane Lévesque.

MIDDLE EAST

Part III

PERSIAN GULF: The BBC MS reports a new clandestine station operating since November 3, 1973, under the title "Voice of the Popular Front for the Liberation of Oman and Arab Gulf" ("Saut al-Jabhab ash-Sha'biyah Li Tahrir 'Uman Wa al-Khalij al-'Arabi"). It is heard in Arabic from 1445-1615 daily on 6478 kHz.

The two other clandestine stations active in this region are:

Voice of Free Yemeni South ("Saut al-Janub al-Yamani al-Hurr"), a/k/a Radio Free Southern Yemen ("Idha'at al-Janub al-Yaman al-Hurr"): This station beams politically-leftist programming to Southern Yemen (Aden). Although the site is not known, a likely possibility is Yemen (San'a). One transmitter has been intermittently jammed with white sound since January, 1972. The programming, all in Arabic, is scheduled as follows:

1130-1500 5345, 8404 kHz

1630-2000* 5345, 8404 kHz

*up to 2103 sign-off during Ramadan

It IDs as above and signs off with an Arabic martial anthem played by a band. It is not known to verify.

Voice of the People from the Heart of the Arabian Peninsula ("Saut ash-Sha'b min Qalb al-Jazirah al-Arabiyyah"): This station is beamed to "our masses in the Arabian Peninsula" and criticizes the Saudi Arabian government. It was first noted by the BBC MS broadcasting from Iraq on May 8, 1973, as "Voice of Truth, Voice of the Arabian Peninsula". Its schedule, all in Arabic, is:

1200-1300 9573v kHz 1800-1900 9560*, 9573v kHz

*Beamed to the Gulf and the Hijaz & Asir Provinces of Saudi Arabia

IRAN: The BBC MS reports an unidentified clandestine station operating since October 23, 1973, with a signature tune identical to that used by the now-inactive clandestine station "Voice of the United Front of the Peoples of Iran", which ceased operation on October 7, 1973. The new station, which gives no ID or indication of its target audience, is noted as follows:

1400-1450 Farsi 7200 kHz 1450-1510 Arabic 7200 kHz 1510-1530 Kurdish 7200 kHz

The former clandestine was strongly believed to be transmitting via the facilities of Radio Baghdad, Iraq.

KOREA

Thanks to sleuthing by Lars Rydén and T. Akabayashi of Japan, it now appears that the Voice of Hope, formerly known as the Voice of Unification, and before that as the Voice of the East, is actually a South-Korean-based black clandestine operation operated by the ROK CIA to counter the North Korean broadcasts over clandestine radio station Voice of the Revolutionary Party for Reunification. Further corroborating the Tokyo-based theories is that, despite the many changes in name and schedule, no information on Voice of Hope et al. has been issued by Western monitoring agencies. These agencies regularly avoid publicizing data on black clandestine radio operations.

The schedule for the black "Voice of Hope", beamed primarily to Japan and North Korea, and reportedly affiliated with the KBS, Seoul, is 0200-0300 on 6335v kHz and 1230-1330 on 3960 kHz. It IDs as "Himang eui Meari Pang Song" and does not verify reception reports.

The North-Korean-based Voice of the Revolutionary Party for Reunification is scheduled as follows:

1000-1400* Korean to ROK 4560v, 1135v kHz

1030-1100 Sun. in Korean over Pyongyang HS frequencies

1300-1400 Korean to DPRK Thursdays 4560v, 1135v kHz

1400-1430 English to ROK 4560v, 1135v kHz

2100-2300 Korean to ROK 4560v, 1135v kHz

2300-2330**English to ROK 4560v, 1135v kHz

*not 1300-1400 Thursdays

**not traced in Tokyo

The station was first heard on August 26, 1970, and is believed to have replaced "South Korea Liberation Radio" which operated until March 14, 1970. The interval signal is now reported to consist of notes from a music box, although in the recent past the signal consisted of 9 echoing major chime notes. Sign off is with an anthem. The station is not known to verify and likely will continue to not verify. According to station announcements the schedule may be expanded and transmitter powers increased in order for them to reach a larger audience.

Thanks to Lars Rydén, the Japan Shortwave Guide, the BBC MS, Bob Bundy, and Victor Goonetilleke for providing the information for this Korean section.

QSL REPORT



EDITOR: LARRY YAMRON, P.O. BOX 5103, PITTSBURGH, PA. U.S.A. 15206
DEADLINE: 12th OF MONTH.

Mucho QSLs! Ace Dixer John Campbell of England reports that he has verified the rare Hospital Ship "De Hoop" and also many Hobby pirates...Kevin Axelson of Colorado has verified R. Nacional Espejo thanks to Rodger Stubbe of HCJB. Mr. Stubbe informs that the station is in the process of having cards printed, and should be ready by early 1974 to reply regularly. All of you who have sent reports previously, your letters are in the legendary (hi) desk drawer, and they promise to make every effort to reply to you. We wish to request the Dx community that the best courtesy and consideration be expressed in all reports (ie. RP, legible letters, detailed and useful reports. Lets' all make a special effort to introduce them to Dicers as a group, and thereby also setting an example for other non-verifiers to consider in revising their policies. This proves that the non-verifiers can be verified...ed...Richard Schwartz has squeezed a verie out of Lebanon via the Lebanese Embassy in D.C....Radio Milne Bay informs that they are currently out of QSL cards , and on Dec 1st a National Broadcasting Authority will take over the work of controlling all radio in Papua/New Guinea and it is felt that this will produce verification cards that will be of value to the collector. (G. Lever, Station Manager via Larry Abraham).... Radio Japan has a new address: Japan Broadcasting Corp., Jinman 2-2-1, Shibuya-ku, Tokyo-100, Japan....Other fine catches this month include Lakeland Radio, La Voix de Revolution, Burundi, Thai TV, Turks & Caicos Islands, and many other interesting veries....

-QSLs RECEIVED-DECEMBER-

- AFGHANISTAN:** Map card w/full data in 5 months for 2 IRCs. (Reeves) 15265, map card w/full data in 6 months for 2nd f/up over 2 years, mint stamps. (d'Adolf) card w/all data in 9 weeks for 1 IRC. (Koren) card in 125 days total, 30 days after f/up w/1 IRC. (Campbell) map card w/full data in 169 days air for 2 IRCs. (Mayer) map card w/all data. (Eichenhorn)
- ANGOLA:** R. Clube do Lobito, Jungle card w/6 lang veri text in 3 weeks for EE report and 2 IRCs. (Yamron)
- AUSTRALIA:** R. Australia, 17795, card in 17 days air for 3 IRCs. (Sigel) Telescope card in 56 days, no IRCs. (Jones)
RA, Darwin, card in 11 days for 2 IRCs. (King)
RA, Perth, map card in 3 months, no IRCs. (Eichenhorn)
VNG, folder card in 10 weeks for IRC. (Koren)
- AZERBAIDZHAN S.S.R.:** Baku, 9840, paper QSL w/all data for reception of Turkish transmission , 3 months for EE report and no RP. (Orcutt)
- AZORES:** Ponta Delgada, ship card w/all data via Lisbon in 2 weeks for 1 IRC. (Yamron)
- BELGIUM:** ORU, 9655, card w/all data and mailbag script in 1 month, 2 IRCs. (Earhart)
- BOTSWANA:** R. Botswana, 4845, flowers card w/freq and veri statement in 103 days sea for mint stamps (used). (Burlew)
- BRAZIL:** R. Aparecida, card, pennant, decal in 2 months for PP report, 1 IRC. (Barto)
R. Brasil Central, 4995, full data letter in 2 months air for EE report and 2 IRCs. (Gendron) Letter in EE/PP w/all data in 5 1/2 months for 2 IRCs. (Earhart) full data EE/PP letter in 120 days for PP report and mint stamps. (Wisberg)
R. Nacional de Brasilia, 15445, card w/all data, pennant in 35 days, 1 IRC. (Mayer)
- BULGARIA:** R. Sofia, 9700, card w/all data, sked in 4 months, no IRCs. (Wilson)
- BURUNDI:** La Voix de Revolution, 3300/6140, folder card in 17 days for 3 IRCs, FF report. (Reeves) 6140, folder card w/all data except time, 18 days air for FF report, mint stamps. (Mayer) 3300, full data folder card in 3 weeks air for Tape report and 3 IRCs. (Yamron)
- CANADA:** R. Canada Int. 73 in 73 card in 4 weeks. (Nebron) World Dx card in 1 month. (Earhart) map card in 4 months. (Wilson)
CFRX, 6070, card w/all data in 6 days. (Meehan)
CKZN, 6160, card w/call letters, freq. power, date in 8 days, no IRCs. (Burlew)
- CAMEROON:** R. Garoua, card w/all data after 7 tries in 6 years!! 32 days for FF report and 4 IRCs. (Henderson)
- CAPE VERDE IS:** R. Barlevento, 3930, card air in 1 month. EE message thanking me for correct report. (Dexter) card w/EE veri statement, 2 months for PP report, 3 IRCs. (Reeves) Hi abe!
R. Clube Cabo Verde, 3885, card w/veri statement giving old freq. 23 days air for EE report, mint stamps. (used) (Burlew) card w/freq., 23 days for EE report and mint stamps. (Mayer) full data card and personal letter from v/s. Ney Cardoso in 43 days for 3 IRCs and PP report. (Straus)

CHINA: R. Peking, card, pennant, sked, etc. 6 weeks air. (Perdue) full data card in 38 days air for 3 IRCs. (Sigel) card, letter, pennant in 2 months. (Eichenhorn) card in 5 weeks.

CLANDESTINE: ABC Europe, blue map cards for 6300, 6325 in 79 and 12 days. Dutch Pirate, 30 watts. (Campbell)

R. City, 6240, prepared card and letter in 18 days for mint stamp. Station uses 30 watts, and even has a Dx-Program! (Campbell)

R. Gemini North, 6240, blue card and stickers from Sheffield, in 71 days for mint stamp. Power 150 watts. (Campbell)

R. City, 6240, card w/full data plus power, 3 weeks air for mint stamps. Also sent stickers from: P.O. Box 2061, Eindhoven, Holland. (Calkin) out of order.ed.

R. Hit International, 6235, card from Germany in 54 days for Norwegian stamps. Forwarding address is in Norway, but 10 watt station is "A Voice Of Dutch General Opinion" owners age is 15. All rather confusing!! (Campbell)

R. Yorkshire, 6275, letter in 43 days and prepared card in 57 for mint stamps. (Campbell) R. Espana Independente, full data Picasso card for EE report and 1 IRC, 4 months. (Koren)

R. Free Russia, 11390/11415V, full data card in 94 days for 1 IRC. (Campbell) QSL via Rotterdam in 5 months for 2 IRCs and EE report. (Insinger)

GODTHAB, GREENLAND 19/2 1973

Dear listener!

Thank you very much for your reception-report, dated 19/12 1972 and just received.

We can confirm, that you have/have-not been listening to RADIO GREENLAND on that very day and time mentioned in your report.

We greatly appreciate your interest in RADIO GREENLAND and we will be happy to hear from you again.

Thank you!

Kalãdlit-nunãta rádiua

Bjarte Røge

COLOMBIA: La Voz Del Caqueta, intriguing SS letter from v/s. Nestor Giraldo Aristizabal, Dir. General who sends PC along w/letter, which requests that I write to his daughter in the name of Int. friendship. He wants stamps and low denomination monies to add to his collection. 6 months for SS report, mint stamps. In any case, he is a kook, and the weirdest one from LA I have. (Reeves) 5035, letter in 2 months for SS report, 1 IRC. (Barto)

R. Guatapuri, 4915, form letter, pennant, SS report. (Eichenhorn)

R. Nacional, card w/date only in 3 weeks for EE report and mint stamps. (Koren)

R. Super, 6065, EE letter w/veri statement in 20 days air for SS report, mint

stamps. V/S. Humberto Pava Camelo, Manager. (Wlseberg)

CZECHOSLOVAKIA: R. Prague, 5930, full data card, 4½ months, 1 IRC. (Wilson)

ECUADOR: HCJB, full data card in 21 days also info on Dx club. (Jones) card in 23 days for 2 IRCs. (Sigel) card and sked in 3 months for 1 IRC. (Wilson)

Paz y Bien, 4820, letter w/veri statement and freq. w/station card in 1½ months for SS report and mint stamps. (Orcutt)

EGYPT: R. Cairo, 9475, color card in 17 weeks for no return postage. (Earhart)

ENGLAND: BBC, usual card w/no data, 15 days air, no IRCs. (Earhart)

VOA Wofferton, 7200, card w/no time, date, 4 days for no RP. (Jones)

ETHIOPIA: ELTP, blue card and sked w/full data after f/up w/1 IRC. (Koren)

FRANCE: ORTF, 15360, Photo card w/all data in 3 months for FF report. (Eichenhorn)

FR. GUYANA: ORTF-Cayenne, 3385, form letter w/freq. only in 51 days air for FF report and mint stamps. (Mayer)

FINLAND: R. Finland, 15185, card and sked, 19 days air for 1 IRC. (Wilson)

GAMBIA: R. Gambia, 4820, form letter and veri statement. (Earhart) letter in 4 months for 3 IRCs. (Driscoll) letter w/veri statement in 3 weeks for IRC. (Koren)

GERMANY G.F.R.: DW, 7130, card in 7 months. (Barto)

R. Bremen, 6190, green-blue-orange map card, sked, and blue pennant in 47 days for 1 IRC. R. Bremen uses 6190 only from 2100 to 2310 daily. (Campbell)

"EMISORA LA VOZ DEL CAQUETA"

1.440 KILOCICLOS ONDA LARGA
1.525 KILOCICLOS ONDA CORTA
APARATO AEREO 118
TELEFONO: 496 - 375

FLORENCIA - COLOMBIA

CIVISMO
CULTURA
Y
FOMENTO REGIONAL

Florencia, Octubre 8 de 1973

Señor Don

SAMUEL L. BARTO

Morris Conn. - USA

Apreciado señor y amigo:

Reciba nuestro atento y cordial saludo, con los mejores deseos por su bienestar personal y el de los suyos.-

Para nosotros su concepto sobre la recepción general de nuestra Emisora "La Voz del Caquetá" desde tan lejanas tierras de ultramar, en donde el encanto de sus paisajes con la amabilidad y gentileza de sus habitantes, se confunden armoniosamente y constituyen el mejor estímulo de valor incalculable para continuar la dura braga de la Radio-Difusión en Colombia.-

Le incluimos con placer y cariño, nuestro sencillo gallardete y una bonita postal, como recuerdo de amigos sinceros que desde America del Sur, le envían un mensaje fraternal, aspirando contribuya a estrechar los lazos de amistad e intercambio de ideas, por considerarlos constructivos bajo todos los aspectos, en un mundo convulsionado por tantos problemas e incomprendiones.-

Estoy interesado en recibir, abusando muy seguramente de su gentileza, billetes de baja denominación, monedas y estampillas, ya que desde hace algún tiempo, me dedico a la colección de éstos, uno de los hobbies mas apasionantes.- Espero pues su contestación lo más pronto posible.-

Reciba una vez más, un afectuoso saludo y la esperanza de conservar su amistad por mucho tiempo.

N. G. Aristizabal
Néstor Giraldo Aristizabal

Director General.-

NESTOR GIRALDO ARISTIZABAL

LA VOZ DEL CAQUETA.- Florencia

Intendencia Nal. del Caquetá

A. Aéreo No. 150 Colombia, America del Sur.-

GUATEMALA: La Voz de Nahuala, 3360, colorful card in 3 weeks for mint stamps. (Abraham)
 R. Cultural, TGNA, 5955, Quetzal card. (Earhart) card w/date and freq., 213 days
 for 2 IRCs. (Burlew) card in 61 days after f/up. (King)
 R. Maya de Barillas, 2360, card in 1 yr. 10 months, mint stamps. 3325, card in
 10 days from v/s. L. Vieth. (Abraham)
GUYANA: Action Radio, letter in 3 weeks for 2 IRCs. (Eichenhorn)

Polish Pathfinders'
 Broadcasting Station



20th March 1973

Warsaw, 00-491
 ul. Konopnickiejs
 Poland

Dear listener,

Many thanks for your correct
 Reception Report on our transmis-
 sion dated December the 31st 1972
 and your interest in our program-
 me. Hoping to hear from you again
 we remain,

Yours faithfully,

Polish Pathfinders

Time - table and Frequencies

On week-days except Monday from
 11 am till 5 pm GMT 6850 Kc/s -
 43.80 m - 300 W and 7306 Kc/s -
 41.06 - 300 W On Sunday from 9 am
 till 5 pm GMT.

Listen to our Station and enjoy well
 chosen and entertaining programmes of
 light and popular music.

HUNGARY: R. Budapest, 9833, full data card in 2 months, no IRCs. (Wilson)
INDONESIA: Java, RRI Surakarta, card w/station stamp, air in 5 weeks on 2nd f/up. (Dexter)
 West Irian, RRI Sorong, Indo letter in 1 month air for Indo report, mint stamps,
 The address is per WRTVH except that Irian Barat is now Irian Jaya. (Reeves)
 Sumatra RRI Padang, 3960, letter in Indo. and photo of station in 6 months.

INTERNATIONAL WATERS: Hospital "De Hoop", 2316, full data card of ship in 5 days (Barto)
 for 1 IRC. Power is 500 watts; new address is Vissershavenweg 21, Scheveningen. (Campbell)

IRAN: R. Iran, 9022, full data card by registered mail in 150 days, 1 IRC and EE report.
 (Mayer) 15084, colorful full data card and large color book on Iran via registered airmail
 in 3 months for 2 IRCs. (Yamron)

IVORY COAST: RTVI, 11920, SWL card w/all data in 156 days sea, EE report, mint stamps.
 (Mayer) 11920, card w/full data in 1 month for 2 IRCs for EE report. (Eichenhorn) 7215/
 11920, card in 5 months for EE report. (Barto) 11920, card w/full data in 40 months after
 f/up report. (Driscoll) second card received for original report, 5 months. (Yamron)

JAPAN: NHK, 17745, card w/all data in
 13 days air, no IRCs. (Earhart) 15105,
 /17825, card, sked, and pennant in
 12 days for NHK report form. (Meehan)
 card w/full data, sked, 13 days air.
 (Wilson) NSB, full data green card in
 3 weeks, no IRCs. (Koren)

LEBANON: R. Lebanon, 9550, registered
 airmail (after correspondence with the
 Lebanese Embassy in D.C.) 6 months for
 2 IRCs. (Schwartz)

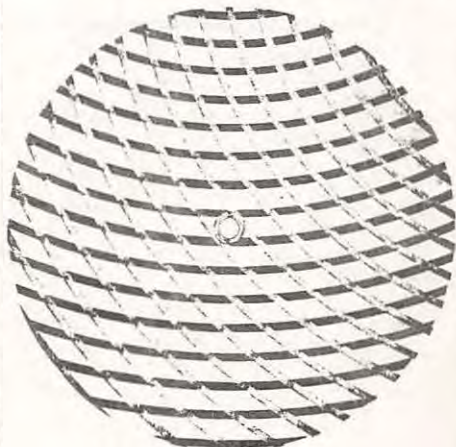
LIBERIA: ELWA, 11940, full data card in
 10 months sea after f/up, 2 IRCs.
 (Gendron) Drummer card in 8 months, no
 IRCs. (Koren)

KOREA S: Radio Korea, 9640, Ehudda
 card in 3 weeks w/sked, 1 IRC. (Koren)

KUWAIT: R. Kuwait, 15415, full data
 folder card, sked, and stamps, 44
 days air, 3 IRCs. (Jones) card in 34
 days, no IRCs. (Word) out of order.ed

MALAGASY REP: R. Madagascar, 17730,
 no data thank you card for FF report
 and 1 IRC, 2 months. (Koren)

MALAWI: Lakeland Radio, 9510, prepared
 card received. Those needing QSLs
 might try a report and prepared card
 to Mark Woodlinger, Radio Station
 KBEQ, 508 Delaware, Kansas City,
 Missouri. (Dexter)



Bayerischer Rundfunk

MARTINIQUE: ORTF, 3315, Beach card w/freq. only received in 36 days air for FF report and 2 IRCs. (Mayer)

MAURITANIA: 4850, map card w/all data in 2 months for FF report and mint stamps. (Orcutt)
Full data card in 2 months air for FF report and 2 IRCs. (Gendron)

MEXICO: R. Universidad, 9600, card w/freq. and veri statement in 2½ weeks for SS report and mint stamps. (Orcutt)

MONACO: TWR, 7290, card after 3 f/ups in 6 months, no IRCs. (Schwartz)

MOROCCO: RTVM, 15360, no data map card in 8 months by sea for EE report and 2 IRCs. (Wiseberg) folder card in 1½ months for 2 IRCs. (Eichenhorn) card w/full data for FF report and mint stamps. (Driscoll)

VOA, Tangier, full data card in 2 weeks. (Jones)

MOZAMBIQUE: R. Clube Mozambique, 11780, card after f/up in 3 months airmail. (Perdue)

NEW ZEALAND: R. New Zealand, 11780, full data globe card in 6 months seamail. (Castello)

NICARAGUA: R. Mar, 9590V, letter in 2 months after f/up, 1 IRC. (Barto)

NIGERIA: R. Nigeria, 6025, full data letter from F.O. Adophy, 3 weeks, 1 IRC. (Koren)
NBC, Benin City, 4932, card w/all data in 17 days air, no IRCs. (Mayer)
NBC, Kaduna, 3396, card w/all data from Lagos in 22 days for EE report and 3 IRCs.

This completes my Nigerians. (Henderson)

NORWAY: R. Norway, photo card in 1 month, no IRCs. (Eichenhorn)

PAKISTAN: R. Pakistan, 11672, letter in 1 month for mint stamps. (Driscoll) letter in 1 month for EE report and 3 IRCs. (Straus)

PAPUA/NEW GUINEA: ABC, 9520, map card in 5 months for 3 IRCs. (Yamron)
R. Milne Bay, 3360, letter in 3 weeks for IRC. States that they are presently out of QSL cards. (Abraham)

PERU: R. Atlantida, 4795, letter w/datg and veri statement, pennant in 3½ weeks for SS report and mint stamps. (Orcutt)

PHILIPPINES: FEBC, 6030, card in 3 weeks for EE report, 1 IRC. (Nebron)

VOP, 9580, card w/date and freq. only, sked and letter that said I did not give enough information, v/s. Ernesto Madrid. (Gendron)

PORTUGAL: Radio Free Europe, 17725, card in 1 month air. (Eichenhorn) blue/white card w/ date and freq. 5 days from N.Y.C. (Burlaw)



—Transmitter facilities of Radio Clube de Mozambique—

ROMANIA: R. Bucharest, 5990, Folk Dance card w/full data, sked in 3 months, no IRC (Wilson)
11775, card in 2½ months, no IRCs. (Eichenhorn)

R.S.F.S.R.: R. Moscow, 17860, Komsomolsk, card in 3 weeks air. (Nebron)
R. Moscow, 12050, Khabarovsk, card in 3 weeks air. (Nebron)
R. Moscow, 7310, 9610, 9720, cards in 1 month w/no sites. (Barto)

RWANDA: DW, 11905, map card in 7 months. (Barto)

RYUKYU IS: VOA Okinawa, 7165, full data card in 2 weeks. (Castello)

SAUDI ARABIA: 11855, full data card from v/s. Werner Storg, Chief Eng., 3 months after F/up, 7 months total, 1 IRC. (Burlaw)

SEYCHELLES: FEBA, 11955, map card w/all data, sked, in 29 days air for mint stamps (used) v/s. Marian Ford. (Burlaw)

MINISTRY OF INFORMATION AND BROADCASTING



P.O. Box 30456
NAIROBI
KENYA



Telegrams and Cables:
"BROADCASTS", Nairobi

VOICE OF KENYA

Telephone 29211

SOUTH AFRICA: RSA, full data card in 21 days. (Meehan)SABC, 4875 card in 17 days air, no IRCs. (Schwartz)
SPAIN: RNE, 6065, full data card w/site, 3 months no IRCs. (Jones) card and pennant in 70 days. (King)
SOLOMON ISLANDS: SIBS, 3995, map card w/all data in 16 days for mint stamps. (Burlew)
SRI LANKA: 11800, card in 20 weeks for 2 IRCs from Listeners Research Officer. (Earhart)
SUDAN: Sudan B.S., 4993, verification letter w/full data and program sked after f/up w/mint stamps, total 32 months. (Driscoll)
SWEDEN: R. Sweden, 6045, abstract card and sked in 25 days. (Meehan)
SWITZERLAND: SBC, 9535, card in 23 days for 3 IRCs. (Sigel) photo card in 2 months, no IRCs (Eichenhorn) 45 days. (Guaducci)
SYRIA: R. Damascus, globe card w/all data and pennant via registered mail in 11 months for EE report, no IRCs. (Orcutt) 9655, white card and pennant, 6½ months for mint stamps. (Hagen)



TAHITI: 11825, full data card in 7 months air for EE report and 2 IRCs. (Castello)
TAIWAN: VOFC, 17720, full data card in 2½ months, no IRCs. (Eichenhorn)
TANZANIA: R. Tanzania, 15345, card in 7 months, v/s. A.B. Danelo. (Koren)
THAILAND: Thai TV, 7108, full data EE letter in 6 weeks registered airmail for EE report, 3 IRCs. (Yamron) full data letter via registered airmail in 28 days for 2 IRCs. (Mayer) letter in 3 weeks for 1 IRC, v/s. Danai Sriyabhai. (Barto)
TOGO: R. Togo, FF card, in 5 weeks for FF report and mint stamps. (Insinger) 5047, card in 6 months for FF report and 2 IRCs. (Lineback)
TUNESIA: RT card w/full data from external relations dept. (Koren)
TURKS & CAICOS IS: VS18, 4788, letter from information officer w/date, freq. and confirmation statement in 42 days for EE report and 2 IRCs. Requests reports. (Henderson) EE letter w/all data from info. officer W.G. Grant, tourist info, sked received. 51 days for 1 IRC. (Jamison) letter from above v/s. in 45 days air, 2 IRCs. (Hagen)

UKRAINIAN S.S.R.: R. Kiev, 11705, card w/full data, sked. report forms, 4 months, no IRCs.
UNITED STATES: OAS, Greenville, white card w/circle of countries, date and freq. (Wilson), only, 15 days. (Meehan) 11740, full data card in 3 months. (Castello)

UNITED STATES: United Nations Radio, 15410, full data card in 2 weeks. (Estes)

VATICAN: Vatican Radio, photo card w/full data in 4 months air, no IRCs. (Eichenhorn)

VENEZUELA: R. Barquisimento, 4990, card w/date and freq. in 1 month for EE report and 1 IRC. (Koren)

R. Rumbos, 9660, full data card for SS report and 1 IRC. (Castello) 4970, photo card w/all data in 8 months for SS report and mint stamps. (Eichenhorn)

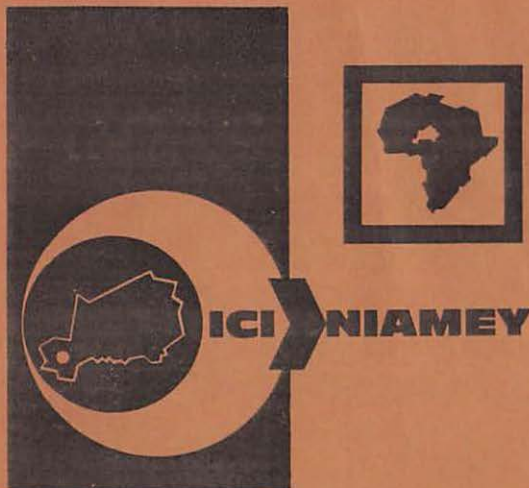
R. San Sebastian, 6070, long SS letter air from v/s. Rodrigo A. Carvajal M., 2 weeks after many f/ups. (Dexter)

R. Universo, 4880, card w/date and freq. in 34 days air for SS report and mint stamps. (Wiseberg)

VIETNAM N: VOV, paper QSL w/full data in 5 months, no IRCs. (Koren) 15105, form letter w/complete verification. (Earhart)

VIETNAM S: VTVN, 7245, full data card in 6 weeks registered air for mint stamps and tape report. (Estes)

WINWARD IS: R. Grenada, 5015, form letter with apology for non-response to previous report -8, v/s. Desmond Baptisti, 28 days air after 3 f/ups, 2 IRC. (Schwartz) 5015, form letter in 3 weeks, 2 IRCs. (Hagen)



RADIO DIFFUSION DU N I C E E

-----THANKS TO THIS MONTH'S 34 REPORTERS-----

Larry Abraham, MICHIGAN

Kevin Axelson, COLORADO

Sam Barto, CONNECTICUT

D. Burtlew, PENNSYLVANIA

Gregg Calkin, CANADA

John Campbell, ENGLAND

G. Castello, CALIFORNIA

Gerry Dexter, WISCONSIN

Larry Nebron, CALIFORNIA

Scott Reeves, MARYLAND

Elliot Straus, NEW JERSEY

D. Driscoll, N. CAROLINA

Ken Earhart, PENNSYLVANIA

Steve Estes, VIRGINIA

S.W. Eichenhorn, MICHIGAN

Steve d'Adolf, N. DAKOTA

John Gendron, VIRGINIA

Ciro Guarducci, CANADA

Jim Hagen, VIRGINIA

Frank Orcutt, NEW YORK

Richard Schwartz, DELAWARE

Solomon Wilson, PENNSYLVANIA

Dan Henderson, MARYLAND

Jim Jones, TENNESSEE

Don King, PENNSYLVANIA

Jim Koren, NEW YORK

Dan Jamison, VIRGINIA

Jerry Lineback, ILLINOIS

Alan Mayer, ILLINOIS

Jim Meehan, CALIFORNIA

Neal Perdue, TENNESSEE

Scott Siegel, IOWA

Mike Wiseberg, CANADA

Jerry Word, GEORGIA

Please! When reporting please print your name at the end of each item and observe the deadline. A REQUEST!! Do you have an interesting QSL? Send a photocopy (must have alot of contrast) or original to QSL REPORT for all to see. Late veries may be phoned after 0200 GMT. 412-561-6832. SUPPORT FRENIX! REPORT OPTEN. Illustration by Steve Loevner.

SEASONS GREETINGS AND BEST OF DX,

Larry Yamron

73 from

NASWA

BOX 8452

So. Charleston, W. Va., 25303

Publishing ~~FR~~ Monthly

Unity and Friendship



FIRST CLASS MAIL

NASWA ABBREVIATIONS

*0000 = s/on = sign on
0000* = s/off = sign off
// parallel
a, A, approximate
AP A Portuguesa
ARO Amateur Radio Operator
BADX British Association of DXers
BBC MS BBC Monitoring Service
dial dialect
EIR East is Red
FBIS Foreign Broadcast Information Service
of the CIA
f/i fade in
f/o fade out
fund fundamental
GSTQ God Save the Queen
het heterodyne
Indo=Indon=Indonesian
Int Internationale
IS Interval Signal or Islands
ITU International Telecommunications Union
JKT Jenmin Kwangpo Tientai
lang unknown language
lbx letterbox
LL language lesson
lcl local
M man
mod modulation
mx music
NA National Anthem or North America
NF new frequency
nx news
px program(ming)
QC quarterly change
QRM interference
QRN static
QSB fading
QTH geographical location
rel religious
rev revolutionary
RF reactivated frequency
s/b should be
t or T = tentative
TC time check
tx transmitter
tk talk
tlk talk
UTE Utility station
v varies
vern vernacular
w/ with
W woman
w/b will be

wx weather
Af = Afr = Africa(n) or Afrikaans
As = Asia(n)
CA = Central America(n)
Eu = Europe(an)
Pac= Pacific
SA = South America(n)

AA Arabic
Afr Afrikaans
BB Bengali
Cant Cantonese
CC Chinese
CS Czech-Slovak
DD Dutch
EE English
FF French
GG German
II Italian
JJ Japanese
KK Korean (sometimes Khmere)
MM Malay
NN Norwegian
Pid Pidgin
PP Portuguese
RR Russian
SC Serbo-Croat
SS Spanish
TT Turkish
VV Vietnamese
Freq = fqy = frequency
All times in FRENDX are in GMT, 24 hour system.

When 3 digit numbers are given in the LOG REPORT, these are the "SIO" numbers rating the received signal. The criteria are:

Signal Strength - S
5 = Excellent, greater than S9+20 db
4 = Good, between S9+ 5 db and S9+20 db
3 = Fair, S7 to S9 + 5db
2 = Poor, S3 to S7
1 = Barely audible, less than S3

Interference(from other stations) - I
5 - None, 4 - Slight, 3 - Moderate,
2 - Severe, 1 - Extreme

Overall Merit - O
5 = Excellent (local quality), 4= Good,
3 = Fair, 2 = Poor, 1 = Unuseable