

North American Short Wave Association

F R E N D X

SWBC NEWS 10-74

SOME NOTES FROM THE LAST TWO FLASHSHEETS.....

ANTARCTICA Fragmentary modulation noted on 6012 by Don Jensen, (mid-Sept FS)... In mid-Sept, on 6018 AFRTS relay noted 0610-0715A by Bill Sparks, CA

COOK IS Cook Is. Radio to test w/ 5KW on 5045, 9695 and 11760 w/two transmitters according to a NZ DXer...via Dan Jamison.

INDIA 6085, AIR Madras at 1730 in English with sub-continental music, s/off 1730. Rare daylight opening 9/15. (Ed Shaw)

MEXICO R.Tricolor reactivated on 15110 & 11880

Remember, FLASHSHEET is edited by Al Niblack, and you can get on the mailing list by writing HDQ(& sending the fee)...see back cover.

PLEASE NOTE THAT BOB HILL TAKES OVER EDITING THE LOG REPORT A SECTION EFFECTIVE IMMEDIATELY...see Log Report.

PLEASE NOTE THAT HENRY ROCKWOOD IS EDITING THE QSL REPORT, EFFECTIVE IMMEDIATELY.....see QSL Report for his address.



SHORTWAVE CENTER



Edward C. Shaw
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Norfolk, Va. 23505 USA

IT WAS BOUND TO HAPPEN SOONER OR LATER !
by Ed Shaw, Editor

And it did... During the month of November, I will be uprooting my family to travel west again to the state of California. Military commitments will see me settle somewhere in the San Diego area again until the 12th of April 1976. Since there is not as much deadline limit for material used in Short Wave Center, I am able to do many articles well in advance. I don't anticipate any problems in completing sections through the December issue of FRENDX. However, I urgently solicit the cooperation of all NASWA members to submit material for this section - as well as for all the other sections of FRENDX. I would like to have a file of material completed for use in the early months of 1975 as I anticipate that I will have to relinquish editorship of Short Wave Center. The relieving editor's task would be made much easier if he had a ready source of material to work with. Please... let's have those station feature articles, your stories of DX experiences, equipment reviews, QRP submissions, just anything. And, illustrations are especially appreciated. 3x4 inches is good. We are looking for experienced volunteers who can assist in preparation of Short Wave Center - there is plenty of talent in NASWA. Primary qualifications are having a good typewriter, and an ability to devote your time, but most important, the DESIRE to do the job, month after unfailling month. The Short Wave Center address for me will remain valid until late October, so mail everything not later than the 21st of October to ensure I get it by the time I move. Those desiring to contact me after I move can reach me at my temporary address of 507 Lafayette Avenue, Lexington, Ky. 40502.

IN THIS MONTH'S SHORT WAVE CENTER

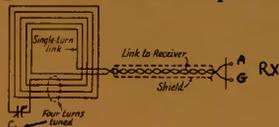
BAND PASS CLASS, Part III H. Helms
CONSUMER'S REPORT.. Henry Rockwood
ABC News Perspective.....E. Behr

and, SPECIAL FEATURE

The Inside Story on Broadcasting in China - by Dan Jamison, Editor. To be presented in two-parts, continued next month.

A LOOP ANTENNA FOR LO FREQS Condensed from ARRL Ant. BK

A loop can be helpful at times in rejecting unwanted signals. Loop is 20 feet insulated No. 18 stranded wire on a frame or board to form loops 12 to 20 inches diameter, and mounted so it can be pivoted both horizontally and vertically for best results. C-1 is 150 mmfd variable capacitor. Once hooked to your rx ant and grd connections, the tuning capacitor is adjusted for best results and the loop frame rotated.



USEFUL
FOR
3-7.5
MHz

Due to preparation for moving my household and office, I will not be able to continue offering the tape of interval signals offered in the July 74 FRENDX. Editor

PRIZES PRIZES PRIZES PRIZES !!

The Short Wave Center will award some worthwhile prizes during the next few weeks for the judged best entries in the following areas of needed support:

1. Cartoons. Must be black and white. Source must be credited if not original. Must have an appeal related to our hobby.
2. Illustrations. Also black and white. Other than cartoons. On the order of those found on Pg 5, July FRENDX, or charts of interest, schematics, etc.
3. Humorous story with DX appeal, or technical article, or station feature (preferably with illus.)
4. Miscellaneous. Try your luck!! Who knows, you might win a prize.

All entries desired about 3 1/2 x 4 1/2, but not strictly insisted. All must be postmarked n.l.t. 20 Oct 74.

- 15175 NORWAY RN; 1500 NN, EE amnt, 1600 EE px, poor-good (Wootten 8-18, Britton 8-25)
- 15180 Unid of Aug LR at 1720 Is BBC with AA px, (Behr)
- 15185 USA WINB; 2245* w/NA, fair (Robins 8-27)
- 15185 FINLAND RF; 1400-1430, 1800-1815, 2030, *2300-2330* EE, nx, features, F-G (many)
- 15190 CONGO RTVC; 1140-1152, 1840, 2100 FF, Afro mx, tiks, P-F (Veidt, Earhart, Tobin)
- 15195 ENGLAND BBC; 2000 EE, cmntry to Central America, (Ebrecht-Morocco)
- 15195 UNID VoA (Tangiers?); 0200 EE, Nixon Resigns (Ebrecht-Morocco), Unlisted.
- 15205 ENGLAND VoA Woolferton; 1509 EE, nx, good (Wootten 8-18)
- 15205 PAKISTAN RP; *0228 Lang, IS, ID in EE, tiks, poor (Zilmer 8-19)
- 15210 USSR RM; 1118-1135 RR, classical mx then ID mx, then tiks in Lang, fair (Earhart)
- 15210 AUSTRIA ORF; 2145-2154* SS, mx to LA, fair (Richezza)
- 15210 LEBANON RL; 1830 EE, s/on, nx, fair (Britton 8-16)
- 15215 USA WYFR; 0213 SS, mx, amnts, ID, adrs, poor (Trautschold 8-26)
- 15220 NETH ANT RN; 2130 DD, to SA, excellent (BCDXA-Rogacki)
- 15225 GERMANY (DR) RBI; 2020 EE, cmntry, heavy interference, (Ebrecht-Morocco)
- 15225 MALTA DW; 0100-0110*, 2316 GG, EE IDs, nx, fair (Miller, Tuchscherer 8-15)
- 15225 AA px 2000-2300 Is TUNISIA not SAUDI ARABIA, cf. August LR, (Behr)
- 15230 USSR RM; 1155-1215 Lang, tiks, ID mx, then more tiks by W, fair-poor (Earhart 8-17)
- 15240 SWEDEN RS; 1400 EE, nx to S Asia, poor (Zilmer 9-2)
- 15240 GERMANY (DR) RBI; 2020 EE, cmntry, (Ebrecht-Morocco)
- 15245 GERMANY (FR) OR MALTA? DW; *0950 SEA Lang, fair (Hohnstein 8-15)
- 15245 BRAZIL R Nac; 1900 PP, IS, ID, tik, fair (Jones 8-25)
- 15250 ROMANIA RB; 1500-1525* EE, "Youth Club" px for Asia, good (Wootten 8-18)
- 15250 ETHIOPIA ETLF; 0640 AA to W Africa, 0530 Lang, EE ID, good (Monroe, Veidt 8-11)
- 15250 GERMANY (DR) RBI; *2045 FF, tik, mx to Africa, poor (Zilmer 8-17)
- 15260 USSR RS Rodina; 1840-1900 RR, vocals, IDs, (Tuchscherer 8-13)
- 15260 VATICAN VR; 1945 EE, cmntry on youth movement (Ebrecht-Morocco)
- 15260 USA VoA Greenville?; 0245 EE, Breakfast Show, new time not sched, (Mayer 9-3)
- 15260 GREECE VoA Kavalla; 1530 Hindi, nx, ID, good (Wootten 8-18)
- 15265 ECUADOR HCJB; 1303-1320 SS, 2330 JJ, ID, tik, nx, good (Earhart 9-3, Zilmer 8-31)
- 15280 USA KGET; 0230 SS, mx, tik, ID, adrs, //15355, fair (Trautschold 8-26)
- 15295 USA VoA Dixon; 1530-1535 Hindi, EE ID, nx, (Tuchscherer 8-27)
- 15300 ECUADOR HCJB; 2135 SS, classical mx, good (Richezza)
- 15310 MALAYSIA BBC; 1545 EE, nx, fair, (Hohnstein 8-16)
- 15315 CANADA RCI; 1250 EE, DX px, good (Britton 9-7) Earhart)
- 15320 AUSTRALIA RA; 0100, 0235 EE, 0450-0505 FF, ID, mx, F-G (Creamer, Trautschold, /
- 15325 PAKISTAN RP; *0200 Lang, EE ID, px to Indonesia, fair (Zilmer 8-19, Robins 8-12)
- 15325 AUSTRALIA RA; 0130 EE, mx, mx, (Talbot)
- 15330 AUSTRIA ORF; 0900 EE, mx, (Ebrecht-Morocco)
- 15335 AUSTRIA ORF; 1830 EE, nx, poor (Zilmer 8-31)
- 15350 CHINA RP; 0215-0225 EE, nx, political tik, local mx, (Tuchscherer 8-15)
- 15365 CANARY IS RNE; 0125 SS, tiks, good (Cox 8-18)
- 15375 ECUADOR HCJB; 0030 GG, very good (Robins 8-26)
- 15380 RWANDA DW Kigali; 2209 GG, tiks, GG mx, nx, ID, NA, at 2240*, good (Trzaskus 8-9)
- 15385 MEXICO R Mex; 0120 many IDs in SS, fair (Cox 8-18)
- 15390 VENEZUELA R Nac; 2200 EE, 2345 SS, 0020-0037 EE, reports on Sea Law Conf, //11750, IDs, announcesEE scve to continue, fair (Zilmer 8-22, Miller 8-31, Agner, Estes)
- 15390 LEBANON RL; 1845-1900, 2350 AA, chants and mx, Koran reading, weak during Ven. pause, fair-poor (Earhart 8-31, Estes 8-14)
- 15400 ASCENSION IS BBC; 2050 EE, tik on health, fair (Trautschold 9-2)
- 15410 USA VoA Greenville; 2045 EE, nx, mx, tik about Labor Day, fair (Trautschold 9-2)
- 15415 BRAZIL RC Ribeiro Preto; 0115 PP, vocals, fast tik, good (Cox 8-18)
- 15415 KUWAIT RK; 1720-1945 EE, cmntry, mx, nx, good (Trzaskus, Britton, Tobin, Tuch-er)
- 15425 AUSTRALIA VLW15 Perth; 0522, EE, tiks, poor (Brookwell 8-14)
- 15430 SWITZERLAND SBC; 2115 EE, "Swiss SW Merry-go-round", fair (Zilmer 8-24)
- 15440 USSR RS Rodina; *1400 RR, ID, organ IS, (BCDXA-Agner)
- 15440 PHILIPPINES FEBC; 2330 EE, nx, cmntry, poor (Zilmer 8-18)
- 15445 BRAZIL R Nac; 2020 PP, 2340-0100 FF/PP, tiks, mx, P-G (Trautschold 9-2, Brookwell)
- 15455 USSR RM; 1830-1930, 2050-2120 RR, 0020-0030 EE, tiks, ID, nx, DX px, amnts for RS Rodina 2100, poor-fair (Fino, Brookwell, Tuchscherer)
- 15460 USSR RM HS; 0135 RR, tik by YW, good (Robins 8-11)
- 15490 ISRAEL IBA; 1900-1945 EE, tiks, ID, nx, features, fair-good (many)
- 15490 USSR RM; 1830 IS, into lang px, poor-fair (Robins 8-7)
- 15520 PAKISTAN RP; 1300 EE, nx, //17845, poor, (Zilmer 8-18) Brunner)
- 15520 CHINA RP; 0000-0055 EE, nx, tiks, opera, letter box, good (Martin 9-7, Jones 9-6, /
- 15620 CHINA RP; 0008 EE, //15520, f/out 0025, (Martin 9-7)
- 15629-32v N KOREA R Pyongyang; *1201, 1310 EE, tiks, ID, vocals, P-F (Cress 8-14,15, Britton 8-22)
- 17650 CHINA RP; 0420 CC, tiks, oriental mx, band mx, poor (Brookwell 8-15)
- 17700 GERMANY (DR) RBI; 1200 EE, nx, fair (Zilmer 8-18)
- 17710 USSR R Vilnius; 1500 FF, IS, nx, fair (Brookwell 8-16)
- 17710 USA VoA Bethany; 2019 EE, cmntry on Cyprus, good (Wootten 8-14)
- 17710 SWEDEN RS; 1415 EE, SCDX px, fair (Britton 9-10)
- 17720 TAIWAN BCC; 0215 EE nx, good (Robins 8-12)
- 17720 ECUADOR HCJB; 2025 SS, rel px, fair (Wootten 8-14)

- 17720 USSR R Kiev; 0300 Ukrainian, tlks, IS, ID, poor (Brookwell 8-16)
 17730 MALAGASY REP RIM; 1500-1600* FF, over ORTF with ite mx, NA*, (Tuchscherer 8-23)
 17735 PORTUGAL RFE; 2035 Polish, cmntry, ID at 2036, fair (Wootten 8-14)
 17735 CHINA RP; 2345 SS, CC mx, tlk, fair (Cox 8-18)
 17740 ENGLAND BBC; 1958-2042 EE, IS, mx, //15200, good (Wootten 8-14, Britton 8-24)
 17740NF CZECHOSLOVAKIA RP; 1430 EE, nx, poor (Hohnstein 8-16)
 17745 EGYPT RC; 1450 AA, 1548t AA, tlks, mx, fair-poor (Ricchezza, Brookwell 8-8)
 17755 USSR RM; 1350 EE, nx, cmntry, (Ebrecht-Morocco)
 17765 FRANCE ORTF; 2050 FF, music px, good (Wootten 8-14)
 17770 NEW ZEALAND RNZ; 0300-0337, 0100, EE, pops, DJ tlk, class mx, nx, //15110, poor-good, also sports events, (Robins 8-25, Zilmer 8-18, Brookwell 8-16)
 17775 USSR R Kiev; *0030 EE, nx, cmntry, poor (Ricchezza)
 17775 USA? VoA unlisted; 2150 EE, Making of a Nation, (Ebrecht-Morocco)
 17780 USA? VoA unlisted; 0300 EE, breakfast show, good, (Brookwell 8-10)
 17785 MONGOLIA RUB; 1220 EE, px preview, nx, mx, cmntry, some programs are repeated, excellent level is noted in Swaziland (Robinson-Swaziland). Any NA loggings?-ed.
 17795 AUSTRALIA RA; 0230-0245, 2230, EE, mailbag, EE pops, nx, G-E (Brunner, Creamer, Martin 9-1)
 17800 NORWAY RN; 1600 EE, Norway this Week, fair (Zilmer 9-1)
 17805 PORTUGAL RFE; 2100 Polish, 2145 Polish, nx, poor (Wootten, Brookwell 8-10)
 17805 SPAIN RNE; 1258 SS, mx, features, excellent, (Britton 9-11)
 17815t BRAZIL R Cult. de Sao Paulo, 2230 Classical mx, no ID, heavy VoA slop, very poor (Trautschold 8-25)
 17815 ECUADOR HCJB; 1930 EE, DX party line, fair (Britton 8-26)
 17825 BULGARIA RS; 2108 EE, nx, cmntry, het, fair (Wootten 8-14)
 17830 PAKISTAN RP; 0243-0245*, nx, GOS in EE, ID, fair (Robins 8-12)
 17840 USA VoA; unsched, 0200 Lang, good (Brookwell 8-10)
 17845 PAKISTAN RP; 1255-1300 EE, nx, cmntry, QRM by DW at 1315, //15520, poor-fair (Britton, Zilmer 8-18)
 17865 POLAND Polish R; 1636 Langs, possible AA, QRM de USSR?, poor (Brookwell 8-14)
 17865 EGYPT R Cairo; 1630 AA, mx, QRMs Poland, BBC also QRMing, poor (Brookwell 8-18)
 17870 AUSTRALIA RA; 0100 EE, Waltzing Matilda, ID, 6 dots, fair (Brookwell 8-9)
 17875 MALTA DW; 1556, 1600 GG/EE IDs, GG px, fair (BCDXA-Agner, Miller 8-17)
 17880 ECUADOR HCJB; 1355 EE, rel px, tlk, mx, good (Miller 8-17)
 17885 CUBA RHC; 2055, lang unknown, ID, tlk, mx, IS, //17875, fair (Trautschold 8-25)
 17890 TAIWAN BCC; EE px, //17720 but weaker (Robins 8-12)
 17900 USSR RM; 0120 EE, ID, usual M&W tlks, poor (Brookwell 8-10)
 17920 EGYPT R Cairo; 1320-1400 EE, nx, lang lesson, poor-fair (Britton, Zilmer)
 17920 CUBA RHC; 2039 SS, ID, IS, anmts, mx, fair-poor (Trautschold 8-25)
 21525 USA WYFR; 1930 SS, ID, class mx, (Monroe)
 21545 GHANA CBS; AA foreign service, M w/AA anmts, mx, 1443 EE, px, fair (Robins 8-14, Hohnstein 9-9)
 21580 FRANCE ORTF; 1625 FF, tlk by M, //21620, 21675, fair-good (Robins 8-14)

Thanks to all who contributed this month. A special thanks for the compliments re LR that I received in many of your letters this month. I hope I can continue to serve you well. Please be sure to mail your letters early enough to reach the editors by the deadline date.

The solar-terrestrial condition predictions that I attempted were a little off because the monthly peaks in solar activity averaged 24 days for the past three cycles. The September peak occurred on the 13th and a minor geomagnetic storm occurred September 15-16 with auroral displays visible in Illinois at about 0400 on 16 September. Geomagnetic quiet existed September 8-14 at the same time as the solar activity was increasing with a solar flare reported on September 10. I would advise anyone seriously interested in solar-terrestrial conditions to keep a graph of the daily variations, as illustrated in SWC a couple of months ago, as it is easier to predict a few days in advance than it is to predict a month in advance as I attempted to do here. The next peak in solar activity may be about October 8. Geomagnetically disturbed conditions may occur September 26 and October 11 with quiet conditions October 5 and 16.

ABC NEWS PERSPECTIVE: RFE
by Russell Jones via Ernie Behr

A continued article from
last month's bulletin.

.....Which brings us to the question of why the communists think it necessary to interfere with any radio transmissions from abroad....

1 The best answer to that may be Radio Liberty's pledge to provide an alternative to the official Soviet radio, a version of events other than that put out by the Kremlin's propagandists. An indication of how successful Radio Liberty has been and why the Soviets jam its broadcasts may be found in a statement by Alexander Solzhenitsyn a couple of years ago. Anyone in Russia, the author said, who wants to know what's going on in Russia must listen to Radio Liberty. RFE has much the same target. Its position is that people in Hungary, Czechoslovakia, Poland, Bulgaria and Romania do not have normal access to unbiased information about their own countries, and this is what it tries to provide. Both stations try to report the news of their target countries as they would if they were within those countries. BBC, VOA and Deutsche Welle have a different approach and a wider focus. They are all official foreign voices and to varying degrees voices of foreign governments, and thus not so concerned with purely domestic affairs of the target countries. My guess would be that a Soviet would listen to Radio Liberty or a Hungarian to RFE if there was a major happening in his own country. If the big news came from the Middle East, say, or the U.S., he'd turn to BBC, VOA or Deutsche Welle.

2 How successful these stations are in reaching their audiences may be argued. The communists of course say no right thinking person bothers to listen, but if that's the case why the strenuous effort to jam the broadcasts? Using various means to determine audiences...letters from listeners, travelers, the occasional visitor to the West...Radio Liberty thinks that perhaps 60 percent of the people in the Soviet Union listen at least occasionally to its programs. RFE puts its regular audience at about 50 percent of the potential. On occasion, those figures fluctuate in a way that tends to support the broadcasters' argument that they are providing a service that wouldn't be needed if the target countries had complete and objective news-casts of their own. For example, RFE's audience in Czechoslovakia dropped off sharply during the political thaw of 1968 when the liberal government of Alexander Dubcek loosened the ties on the radio, press and television. After the Soviets invaded Czechoslovakia and clamped down again, the number of listeners to RFE climbed dramatically. Despite the constant barrage aimed at them by the communists, both RFE and Radio Liberty have established reputations for accuracy and objectivity. RFE weathered its most serious storm in 1956 when western critics joined the communists in charging it had fomented the Hungarian revolution. But a West German government investigation ruled the charges unfounded and gave it a reasonably clean bill of health. Both the Munich-based operations went through another crisis several years ago when the story finally came out that they were financed by the CIA. I say "finally came out" because any reporter worth his salt who ever came near their transmitters had to know there was some kind of secret funding...they're just too big and too well equipped for any informed person to believe the cover story they were supported by public donations. The CIA, of course, was the obvious answer. RFE and Radio Liberty seem to have survived the scandal, and they are now run on funds overtly appropriated by the U.S. congress. Senator Fulbright, the communists, and the British government budget cutters, of course, are not the only people who think it's unnecessary to spend large sums of money to broadcast to the Soviet Union and the rest of Eastern Europe. A great many other intelligent, but I think unthinking, people just don't see any useful purpose in the effort. But, at the risk of boring you with repetition, I think that, well-meaning as the western critics may be, they overlook the fact that the peoples of eastern Europe just do not have real access to factual, objective information about their own countries-- let alone the rest of the world--except through broadcasts from abroad. The picture, of course, is not totally black, but rather varying shades of gray. In some of the hotels of Warsaw and Budapest, for example, foreign newspapers can be had. But of course those hotels are patronized almost exclusively for foreign tourists. No ordinary citizen of the Communist countries can subscribe to the London Times, say, or the international Herald Tribune. So you may ask, what makes it our business? Well, I think the answer to that is that there is a general agreement that we're living in a pretty dangerous world. About the only way to avoid disaster is to have the free-est flow of information, and for that, I think, we need those radio stations broadcasting to the Soviet Union and its allies.

By Russell Jones, ABC News

THE INSIDE STORY ... BROADCASTING IN CHINA

By Dan Jamison

Both government and private radio broadcasting stations were set up in China's major political and commercial centers in the 1920's. China's first radio station was set up in Shanghai in 1927 by the Sun Company to transmit market reports, news, and music. By 1928, there were 82 registered stations, 33 of which were in Shanghai and 20 of which were owned and operated by the government. Most of the stations were low powered and could not reach listeners beyond a certain radius of the city. The government's Central Broadcasting Administration station in Nanking was one which was heard internationally though.

In the 1920's and 1930's, the prime broadcasting target area was the city. But with the outbreak of the Sino-Japanese War in 1937, broadcasting efforts were expanded to cover the rural communities in the Chinese - Nationalist controlled areas. The war with Japan lasted from 1937 to 1945. During that time, the Japanese captured and occupied a large chunk of China's coastal area and drove the Chinese Nationalist government inland. Chungking, in Szechwan Province, became to war time capital and also became the communications center for the Nationalists. Government operated radio stations and other communications facilities operated from here and also in other inland cities which had no radio stations before the war.

Generalissimo Chiang Kai-shek, then the Chairman of the Military Council, made the first broadcast from the government's station in Nanking, radio station XKM, on August 1, 1928. XKM, by the way, was the forerunner of the Broadcasting Corporation of China network. On the first day of operations, XKM stayed on the air for four and a half hours using its 500 watt medium wave transmitter. In November, 1928, the call sign - XKM, was changed to XGZ.

In October, 1932, the famous station, XGOA, or the Central Station, started broadcasting its nationwide transmission with a 75,000 watt transmitter. Programming was also expanded from a 4½ hour a day pure talk program to a ten hour a day schedule. Then they started offering musical programs, news, educational materials, weather forecasts, and market quotations. In 1936, the Central Broadcasting Administration (CBA) was created to bring all stations under some sort of unified control.

The Central Station, XGOA, moved to Chungking with the Chinese government, as mentioned earlier, in 1938 when the war against Japan entered its second year. From Chungking in 1939, XGOA beamed its 35000 watt shortwave transmitter to North America, Europe, and South East Asia. During the war years, the Chungking transmitters worked out of mountain caves which proved to be natural air-raid shelters against the Japanese bombers. The Japanese bombers were never able to knock out the XGOA transmitters. The stations carried on throughout the eight year war without interrupting their broadcasting for a single day. Meanwhile, they served as the most reliable source of information on the war on the Asian front. The London Times called them "The Mouthpiece of Free China".

JUN 28 1940

The Voice of China

THE CHINESE INTERNATIONAL BROADCASTING STATION
Chungking, China

XGOX XGOY

19.75m.	18.8m.	29.21m.	11.8m.
16.85m.	17.8m.	31.10m.	9.00m.



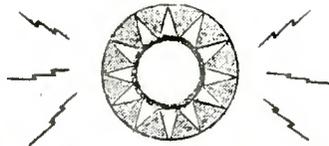
This is to verify your report

dated FEB 14 1940

Thank you and tune in again

Veteran DXer August Balbi, CA, is very proud of his QSL from the Voice of China, one of the CBA stations which operated from Chungking. The date of August's reception is Feb. 14, 1940.





中國國民黨中央執行委員會廣播事業管理處
國際廣播電台改訂播音節目時間表

CENTRAL BROADCASTING ADMINISTRATION
CENTRAL EXECUTIVE COMMITTEE OF THE KUOMINTANG, CHUNGKING, CHINA.

Revised Daily Schedule of XGOY
THE CHINESE INTERNATIONAL BROADCASTING STATION, CHUNGKING,
(Effective from November First 1943)

FREQUENCY: 6130 K.C. 週率: 六一三〇千週波

BROADCAST TO EAST ASIA & THE SOUTH SEAS 對東亞及南洋播送

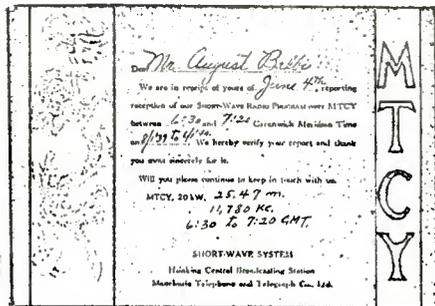
Letterhead from the 1943 schedule from XGOY.
This is also from August Balbi's collection from the past.

People in the Japanese occupied areas risked their lives by secretly tuning in the CBA stations for news, instructions, and entertainment. The government used the CBA stations to transmit instructions to underground agents in these Japanese controlled areas. Radio station XCOA transmitted orders to government personnel sent to the occupied areas as well as it also gave instructions to the civilians in the area. XGOA was the station which transmitted instructions from the Chinese government to the Japanese military commanders concerning preparations for the Chinese takeover when the Japanese surrendered in 1945.

BEGINNINGS OF CHINESE COMMUNIST BROADCASTING

It is not known exactly when the Chinese Communists first made use of shortwave broadcasting for propaganda purposes. Indications seem to narrow the period down till about the late 1930's or early 1940's. It is known that by 1943, a station was operating from the northern China communist stronghold in the mountain city of Yen-an, Shensi Province, which is located approximately 400 miles southwest of Peking. This station beamed

The Manchuria Telephone and Telegraph Co issued this QSL to August Balbi for his 1940 report of their station, MTCY, located in Hsinking, Manchuria.



anti-Japanese propaganda to troops scattered on the mainland of China. The station also had broadcasts intended to reach Japanese audiences on the Japanese home islands. The effectiveness of these broadcasts is not known to me, but it would seem that, taking in consideration the spirit of the Japanese people, these broadcasts - based on a scale from 1-10; would rate about negative 3. Nonetheless, due to technical problems, the station was forced to cease operations in late 1943.

After the war ended in August, 1945, the Chinese Communists launched a massive propaganda campaign directed towards the millions of people in the

rural areas of China. Radio broadcasting was a vital organ in the propaganda campaign of winning the minds and bodies of the people to one side or another. Billboards and handbills were also an important instrument in accomplishing the task of patriptating the people.

It is suggested that Chinese Communist (ChiCom) radio broadcasting was renewed in September, 1945, when the Yenam New China Broadcasting Station was established. Then Yenam station was moved to northern Shensi Province in March 1947, after the Nationalists captured Yenam from the Communists. Subsequent military action put the ChiCom's on the offensive. Throughout the civil war years, 1945-1949, more and more Nationalists broadcasting facilities fell into ChiCom hands. By the end of 1948, there were 16 broadcasting stations in Communist hands. By the time the Communists gained control of China in 1949, the number of radio stations in ChiCom hands amounted to 49. This included the original station at Yenam plus stations captured from the Japanese in World War II and also from the Nationalist Chinese.

The communist government then began to build up its broadcasting facilities. Privately owned stations were absorbed. Some stations were closed down; others were put under joint government-private ownership. Also new stations were installed at strategic points. Additionally, wired broadcasting, also known as "rediffusion", was added to the broadcasting system.

These radio stations were then jointly reorganized into a single broadcasting system known as the Central People's Broadcasting Station (CPBS). The headquarters and key station is in Peking.

ORGANIZATION AND PURPOSE OF CHINESE BROADCASTING

After the communist takeover of China in 1949, radio broadcasting came under the control of the Broadcasting Affairs Administrative Bureau (BAAB). The BAAB was responsible for school programs which were carried over radio and TV. The BAAB, in this light, is associated with the Ministry of Culture and Education for the production of the educational programs. Furthermore, the BAAB is responsive to the Department of Propaganda of the Party Central Committee. But it is the BAAB which, as mentioned earlier, controls the powerful radio transmitters. This includes Radio - Peking. As you all know from listening to Radio Peking, many of the international broadcasts are in Chinese as well as in a number of other languages. "The purpose of the broadcasts appears to be both to inform expatriates and to guide propagandists stationed abroad in carrying out their assigned missions". Radio Peking's recently stated objectives have also been defined as "to spread the Marxism, Leninism, and thoughts of Mao Tse-tung".

RADIO BROADCASTING IN CHINA

In 1970, there were 1021 radio broadcasting transmitters in China. This breaks down to 713 medium wave, one FM, and 307 shortwave stations or transmitters.

Every province and autonomous region has separate radio stations. These stations operate either on medium wave or on shortwave; or on both. They have no call signs but rather are designated either a CPBS station, a People's Liberation Army (PLA) station, a China News Broadcasting Station, or so on. It was reported in 1970 that stations were located in over 160 cities throughout the nation. The majority of the stations are concentrated in or around Peking. Here, the headquarters of the CPBS is located as well as 480 medium wave and shortwave transmitters plus China's only FM station. Additionally, the headquarters houses network control facilities and studios for program production.

The national network originates from the headquarters and is broadcast over four medium wave stations for listeners in the Peking area. Also, 19 shortwave transmitters send the national network programs - the home service, to many parts of China for rebroadcast. All other medium wave transmitters in the Peking area are grouped into four stations, or networks for local operation. The single FM station located in Peking is operated by the Ministry of Culture and Education and transmits educational programs for local listeners. Speaking of FM stations, it might be mentioned that there have been unconfirmed reports of a second FM station operating from Shanghai.

The four networks mentioned above may be classified as being either Home Service Program I, Home Service Program II, Home Service Program III, or Home Service Program IV.

Program I is intended for the general public. A few years ago, this program used to be filled with heavy propaganda. About one fifth of the program was news. The current slant and content of programming is unknown. The first program is now often carried by regional stations though.

Program II, a few years ago, was educational and contained a larger proportion of musical selections than did Program I. But here too, the main emphasis was the news. Dictation speed news is given in Program II primarily for recording and reproduction by other stations in the broadcasting system. The current slant and content of programming in this service is also unknown. Program II is sometimes relayed by regional stations now.

Program III devotes only a small fraction of its broadcasting time to the news. Program content in this service is light compared to the first two, consisting of music and operas. Again, the current status of this program is unknown.

The Capital Service has sometimes been called the fourth program. This is the service which broadcasts to listeners in the Peking area - as mentioned above.

Two year old information lists the Radio Peking Home Service Program I as using eleven transmitters, probably of 120 KW each, on fifteen different frequencies. You might tune

4460	6225	9064	11330	15550
4905	7095	9080	11925	15590
5320	7504	11290	15230	17605 ... to listen to HS I.

The Radio Peking Home Service Program II is aired over six 120 KW xmtrs. Give

4250	7190	10260	15030 ... a listen.
5075	7770	11505	
6345	9020	11730	

RADIO PEKING

China's international radio service is beamed to her neighbors and all parts of the world, as we know, over Radio Peking. Sixty two stations in the Peking area alone beam this service in 33 languages and five Chinese dialects, as of 1970, totaling over 1500 broadcasting hours a week.

Many of Radio Peking's transmitters were designed and built by the Russians and installed when Peking and Moscow were experiencing better relations. Many of the Soviet transmitters have a power output of 240 kilowatts each. Chinese manufactured transmitters are capable of putting out in the neighborhood of 120-250 kw's plus. Equipment from various Western manufactures is also used.

In 1950, 90 transmitters were broadcasting on long wave, medium wave, and shortwave and carried the Home Services and the International Service - Radio Peking.

Veteran DXer Al Niblack recalls that in 1951 ... the time when China was a real DX catch, the 35 KW Chungking outlet on 15170 KHz. was the most regularly reported Chinese station in North America. Al also indicated that Nanking worked on 5985 KHz. with 7 KW's and on 9730 KHz with 5 KW's. Harbin was on 7100 KHz. and pumped out a full kilowatt. Peking used its 1 KW transmitter on 6095 and its 10 KW's on 7500, 9040, 10260, and 15060 KHz.

This is what Al Niblack's 1952 vintage QSL from Radio Peking looks like.



TO BE CONTINUED NEXT MONTH IN PRENDX

LISTENER'S



SURVEY RESULTS SPOTLIGHT, PART XI

Credits to the Spotlight
this month go to Al -
Miller, OH, and Chuck -
Rippel, VA.

Dan Jamison
310 Roanoke Street
Apartment 21
Richmond, VA 23225

DEADLINE: 15th

* CAPE VERDE ISLANDS These islands, owned by Portugal, are located in the Atlantic Ocean on the 15th parallel about 500 miles off the West coast of Africa. The islands boast of three shortwave stations, Radio Clube de Cabo Verde located in the town of Praia on Santiago Island, and Radio Barlavento and Radio Clube Mindelo located on the island of Sao Vicente. The first two stations are regularly heard in the 75 meter band; Radio Clube Cabo - Verde on 3883 KHz and Radio Barlavento on 3930. The best time to log either station is in the 1900-2400 time slot. The 75 meter band is loaded with hams so you will have to fight your way through. Both are good verifiers and seem to accept English reports. (many thanks Al; Al Miller, OH)

* NIGER Once part of French West Africa only twenty years ago, Niger comparatively has prospered under independence gained in 1960. Population is sparse with only five people per square mile and most of the country is desert. Just lately, Niger has suffered under the weight of drought that has crippled that region. Because of having to serve a large area, ORTN (Office de Radiodiffusion-Television du Niger) uses several medium wave transmitters as well as five shortwave transmitters on 3260, 5020, 7155, 9575, and 9705; all with 4 KW except 9705 KHz which has 30 KW. The 90 meter band and 60 m.b. outlets can be heard on good African periods of reception at 0530 sign on time. The 60 meter outlet is the easier to hear of the two. Then check the 90 meter frequency for parallel operation. On weekends, one has to wait until 0700 to be able to hear ORTN. This time the freq is 9705; the lower frequencies are closed down on weekends. (Thanks for the article Chuck ... Chuck Ripple, VA)

* SYRIA The Syrian Arab Republic on 9655 KHz can be a difficult catch. They have an English program scheduled from 2030 to 2200, but this freq has been a favorite resting place for DW, Radio Moscow, and other more powerful transmitters at various times throughout the year. About the only thing to do is tune 9655 during the English period every time there is an opportunity and trust to luck! Their QSL policy is very erratic. A report sent July 31, 1971, was verified February 8, 1973, while a report of Jan-1, 1973 was verified May 3, 1973. (real fine Al ... Al Miller, OH)

AND NOW, ON TO THIS MONTH'S LISTINGS.

AFGHANISTAN R. Afghanistan says they now require 1 IRC if a verie is wanted for a reception report. (CHARLIE Wootten, MD)

ALBANIA Rumen Pankov notes that R. Kukesi broadcasts in Albanian on the new freq of 6584 fm 1600-1900. (via Charlie Wootten, MD)

ASCENSION ISLAND The VOA now has a new xmtr there beaming to LA fm 0930-1100 on 15195 1130-1400 on 15350 0930-1400 on 17830. Another VOA station to work for your awards certificate gang! (C. Wootten)

ANTIGUA Arthur Cushen says that DW and the BBC are to build a relay base on this island in the West Indies. Both will build two xmtres of 250 KW each but the opening date is now known. (Charlie Wootten, MD)

AUSTRALIA Radio Australia directs its programs to NA as follows: 1115-1245 on 7295, 9580 & 0100-0300 on 11770, 15320, and 17795 (by way of Philip Wala, WI, Al Miller, OH, Charlie Wootten, MD)

BELGIUM BRT via Mark Brown, OH, Richard Wood, NY, Char. Wootten, MD, and direct fm BRT:

ENGLISH / ANGLAIS / ENGELS

To	Times (GMT) All days	Meters	KHz	Program
North America	22.55 - 23.15	41	9.655	Belgium Speaking:
	00.40 - 01.00	49	6.055	— Mailbag
South America	22.55 - 23.15	25	11.855	— Press review
	00.40 - 01.00	31	9.655	— DX Corner: 4th Monday
Far East	00.40 - 01.00	25	11.855	Belgium speaking

President Warren Harding, in 1922, was the first U.S. President to b/c on radio while dedicating a monument at Fort McHenry. (via Charlie Wootten)

BHUTAN Radio NYAB is operated by a staff of 5, working without pay for now. The 10 KW xmt, owned by the Ministry of Communications, is intended for a home svc but reports fm abroad will be welcomed (1 rpt fm Malmo, Sweden, was received). The address is Radio NYAB, P.O. Box 1, Thimphu, - Bhutan. Postal svc is dependable. Bc's are on **Sundays @ 0730-0930 on 7040.**
(gud to hear fm you again Bruce! Bruce Boomer, WV)

CANADA Radio Canada International b/c to NA-1/Caribbean @ 0100-0157 on 11710, 9655, & 6085. (direct fm Radio Canada International)

DOMINICAN REP La Nueva Voz del Papagayo (HIBB) operates on 5030 w/400 watts. This is the oldest sta in the Dom Rep and the only one that operates 24 hrs. It is hrd when R.Continente closes down at 0500. (C. Wootten, MD)

ECUADOR HCJB has EE to NA fm
0030-0500 on 5970, 9560, 11915 1230-1300 on 11745, 15115
0500-0700 5970, 9560 1300-1630 11745, 15115, 17880 (1600*on Su)
1215-1230 11745 (Philip Wala, WI, Dan Ferguson, WV)

FINLAND with English to
ECNA at 1200-1300 on 9550, 11755, 15185
E & WCNA1400-1555 15185
E & WCNA0300-0400 9585
(via Charlie Wootten, MD)

GHANA The North American
svc of Radio Ghana is on
11850 at 2000-2100.
(Charlie Wootten, MD)

HONDURAS The following are domestic svc's, as traced by the BBCMS:

Radio Progreso	El Progreso	4920	1100-0500	
Radio Lux	Olanchito	4890	1200-0300	
Radio Suyapa	San Pedro	6125	1100-0630	(by permission,
La Voz del Junco	Santa Barbara	6075	1100-0100	BBCMS)

INDONESIA Craig Tyson, Australia, has traced the following RRI stations:
2420 RRI Bandung ID'ing at 1227
3528 RPKDK Pasuruan at 2220
3895 RPKDK Sidoardjo 2145 with Moslem vocals
3925 RRI Bogor signing on at 2200 w/full ID; then Jakarta nx
3945 RRI Ternate pos ex-3916 to avoid BBC on 3915. S/on 2056

INDONESIA In DSWCI, Bob Padula and Craig Tyson, both Australian gents, rpt RRI Yogyakarta has this new sked: on 2350 (1 KW) and 7110 (50 KW) fm
2200-0230 (Su 0800); 0400-08; 10-1700
7100 (7½ KW) 0300-0330 (not Sun)
5047 (20KW) 0100-0230 100-1700

RRI Jember on new 3324 at 1200 replacing 3315
RRI FAK-Fak w/its 200 watt xmt, on 3391, replacing 3345, at 1300
RRI Manokwari back on 6185 fm s/on 0757 to 1000.
RRI Bukittinggi on 4885 s/on at 2258, and again at 1100. (via C.Wootten)

EGYPT Radio Cairo has French to Canada in its winter sked on 9455 which replaces 11630 at 0100-0145. (Dr. Richard Wood, NY)

INTERNATIONAL WATERS The Dutch Marine Offense Act went into effect on Aug. 31, 1974, so Radio Nordsee International and Radio Veronica are forced to comply. RNI will stop b/c'ing in Dutch and will leave on Oct 1 to sail to the Mediterranean, b/c'ing on 6210 on the way. The Mebo II will anchor off Genoa on Oct 15 and b/c in Italian on MW, and have a world svc in English on shortwave. (very interesting Bruce...Bruce Boomer, WV/GA)

ITALY English to NA fm RAI is now at 0100-0120 on 6010 and 9575.
(Philip Wala, WI)

LAOS "Heard Vientiane, Laos, on Aug 2, 1974, and decided to send another rpt, after yrs of trying. BINGO! answered by air mail letter in 3 wks w/ confirmation statement, didn't state date or time. Letter in French, translated by a friend, indicates interest in reports. Stated sked is fm 2300-0230 (Sun 0300) & 0500-1430 (Sat 1500) on 6130. Pwr is still 25 kw. Address is ROYAUME DU LAOS, Ministere de l'Information, Direction de la - Radiodiffusion Nationale Lao, Boite Postale N. 310, Vientiane - LAOS. Verie signer: Mr. Khammoune Sananikone (Controleur Technique Generale) (outstanding Jim! Jim Yeung, CA)

MALAGASY REP R Nederland started a new relay xmsm Sept 1, for the benefit of Western Europe and especially England. Relay is fm Tananarive. Check out 11730 fm 2000-2120. It is the same pgm received at 2130-2250 also on 11730; but this time, fm Lopik, Holland. (Gladys Keeler & S Rogacki)

MEXICO An old friend is back! says Al Miller, OH. Radio Tricolor, XERH, in Mexico City showed up on 11880 and 15110. Sometimes they run in //, but they also run 11880 at 1400-1800 and 15110 at 2200-0200. But then too, both stations run fm 1100-0800 at times. There seems to be some variance in the sked, so if you don't hear them when you tune the first time - try again. The signal is almost like a local.

(Al Miller, OH, and Dr. Richard Wood, NY)

MONGOLIA Mike Willis of Australia mapped out the following sked of Radio Ulan Bator over an eight week period. Here is what he observed:
Mongolian Home Svc:

	0900-0930	on 7260	
	0900-1210	6383	
	1400-1420	4762,	5053 (pos 7260)
Relay of Moscow's Mongolian Svc:	1315-1400	4762,	5053
	0930-1000	7260	
External Svc's: Chinese	1300-1330	7235,	7260
Mongolian	1330-1400	7235,	7260
English	1220-1252	17785	(anything on 8890 Mike? ed)

SARAWAK Kuching noted on new 6060 signing on at 1200 in Malay // 4835. 6050 and 5005 are // to 4895. (Mike Willis, AUSTRALIA)

SINGAPORE Radio Singapore has the following transmissions:

English	on 5052, 11940	fm 2230-1630	Indian	on 7170	fm 2230-1330
Malay	7250, 6155	2230-1630	Chinese	7170	1330-1630
Chinese	6000, 6155	2230-1630			(thanks to Wade Smith, Mass.)

SWEDEN Radio Sweden has English to NA at 0030-0100 on 6035
0230-0300 6045
1400-1430 17710

(Philip Wala, WI, Charlie Wootten, MD)

TAHITI Radio Tahiti uses 6135, 9750, 11825, & 15170 for its b/c's Mon-Fri at 1545-2330 (Tue 2400) ... Tue-Sat at 0245-0700 ... Sat 1545-Sun 0700 ... Sun 0800-Mon 0700.

(Dr. S. Baranovsky, OH, Jim Davis, CA
Charlie Wootten, MD, Dr. R. Wood, NY)

SWITZERLAND The SBC has English to NA from 0145-0215 on 6120, 9535, 11715, 15305
0430-0500 9725, 11715
1315-1345 15140

(Mike Monaco, NY; C Wootten)

TANZANIA Radio Tanzania 0330-0530 on 6105
0900-1030 (M-F) 9750
0900-2015 (Sa&Su) 9750
1600-2015 (M-F) 15435, 4785
(by permission, BBCMS)

TURKEY *** TURKISH RADIO SURVEY ***

Jim Van Zorge, NY, has researched the Turkish situation on both medium wave and shortwave. Since FRENDX is SWBC only, we will present Jim's fine study starting with the REGIONAL STATIONS ON SHORTWAVE.

POLICE RADIO STATIONS

6325 Istanbul Police Radio 0900-1000; 1400-1500
6340 Ankara Police Radio - 1 KW 0557-1100; 1158-1600; 1700-1900

METEOROLOGY STATIONS

6900 Ankara Meteorology Radio - 2½KW 0500-0700; 0800-1000; 1200-1600
1800-1930
6965 Bandirma Meteorological Institute Radio - 2½ KW 0600-0630; 1630-1700
It is known that these Met. stations operate sporadically throughout the year, and therefore may be silent during certain months.

HIGH SCHOOL RADIO STATIONS

7014 Balikesir Lisesi Radyosu - 100 watts
7050 Aydin Lisesi Radyosu - 50 watts
7140 Turhal Lisesi Radyosu - 0800-1000
7150 Zile Lisesi Radyosu Su: 0800-1000; 1200-1400; Wed-Sat 1200-1400
other days, 1300-1430
7200 Tokat Gz Osmanpaca Lisesi Radyosu 0700-0845; 1200-1400
7317 Ayvalik Lisesi Radyosu around 1200
These high school stations are known to be experimental and operate on very low powers. Therefore, reception of these stations outside of Turkey is very rare, but were listed for the sake of completeness.

ARMY STATIONS

7235 Ankara Army Communications School Training Radio ...this is the only known active army station - sked not known.

TECH. UNIV/SCHOOL STATIONS

6280 Tech Univ of Istanbul - 1 KW 1800-2030
6440 Ankara Tech School Radio - 450 watts
7100 Cinarli Sanat Enstitusu Deneme Radyosu (TA06) - 250 watts
0800-1000; 1300-1500
7108 Ankara Elektronik Sanat Enstitusu Radyosu - 250 watts sked unkn.
7143 Technical School of Istanbul (TA05) - 1.6 KW Weekdays-1800-2000
Sun 1100-1300
7280 Istanbul U. Radio - 1.75 KW 1200-1400

CONTINUED TOP OF NEXT PAGE

Turkish Radio Survey - continued

TRT AFFILIATED SHORTWAVE STATION

7650 Hakkari - 1 KW 0355-0800; 0955-1200; 1355-2100

RECEPTION REPORTS

All reception rpts should include return postage (mint stamps) and a SASE along with a clearly understandable rpt in elementary English.

ACKNOWLEDGEMENTS

BBC Monitoring Svc for their update of LW and MW stations.
(outstanding Jim! Jim Van Zorge, NY)

UNITED STATES OF AMERICA

The VOA relays BBC LA svc in SS at 0315-close at 0415 via Delano on 11880. This represents a remarkable change in communications policy in the US and comes on the heels of the inauguration this spring of the relay of BBC Italian svc via VOA - Munich on MW. Of course, BBC has operated the VOA relay at Wooferton, England, for many years. (Dr. Richard Wood, NY)Richard; this may be a trade off for the VOA's use of the BBC's Ascension Island relay (p. LN-1) - ed.

USSR See p LN-4, FRENDX, September edition; the Russian Transmitter Sites-

Verified article. Please take Yuzhno-Sakhlank and Ulan Ude off the list of unverified and add to Asiatic Russia verified. Change totals to 59 RR sites verified and 17 Asiatic. (Al Sizer, CT)

USSR - RADIO MOSCOW TO NORTH AMERICA FM FAR EAST SITES Bill Davis, CA, our resident Soviet DX'pert did it again. He, as in the past, has charted the times and frequencies of various Soviet Far East xmtr's and programs.

Radio Moscow to North America		FREQUENCY USAGE	
2100-2130	Korean pgm	9735	0430-0730
2130-2200	Chinese pgm	11690	0300-0730
2200-2300	Ukrainian (R, Kiev)	11720	0330-0730
2300-0030	English	11755	0530-0730 not anc'ed
0030-0100	R.Kiev - Ukrainian Tu,W,F,Su - English M,Th,Sa	11850	0300-0830
0100-0300	English	11980	2100-0730 not anc'ed
0300-0330	*R. Kiev -Ukrainian Tu,W,F,Su * -English M,Th,Sa	12050	2200-0730
	*R.Yerevan -Armenian/EE on Tu,Th,Sa,Su	15210	2200-0430 not anc'ed
	*R.Mayak - Russ HS M,W,F	17720	2200-0400
		17775	2200-0300
		17900	2300-0500
0330-0730	English		
(((=*Kiev on 11980,12050,15210,17720, Yerevan/Mayak on 11690,11850, 15180,17900)))			

CHANGES NOTED IN RUSSIAN HOME SVC FM FAR EAST SITES, SEPT. 1

- 9375 Khabarovsk now s/on 1900; all Mayak pgm; past 0800 tune out (t/o)
- 9620 Unknown QTH H.S.pgm; s/on 2300;s/off 0600 on M,Tu,Th;s/off 0800 on W,F,Sa,Su & carries "R.Sta Pacific Ocean"
- 9770 Khabarovsk H.S. PgmI; s/on 2200; s/off 0700 M,Tu,Th; s/off 0800 on W,F,Sa,Sun & carries "R. Sta Pacific Ocean".
- 9780 Unknown QTH H.S. Pgm I; S/on 2230 til 1400
- 9800 Unknown QTH Mayak Pgm H.S.; s/on 1600 til 2230
- 9810 Khabarovsk H.S. Pgm I; s/on 2300; s/off 0600
(thanks for sharing your hard work w/us Bill)

ETC. The emergent nation of Guinea Bissau has just ordered four 500 KW shortwave xmtr's fm Brown Bovel. The state of CABINDA (this territory has a \$500,000,000 a year oil revenue) is ordering seven 250 KW shortwave xmtr's\$. (George Schnabel, NY)

ETC. - PART II Have you ever heard of a book put out by the Foreign - Broadcast Information Svc (a part of our federal gov't) entitled "Broadcasting Stations Of The World"? Volume II lists stations operating on all shortwave frequencies. Also station ID's are listed for many of the stations. The price is just \$2.75. The order number is TREX-7.9;972/pt 2. The address to send your checks is: Superintendent of Documents, - Government Printing Office, Washington, D.C. 20402.
(Charlie Wootten, MD)

ATTENTION:

The Radio Canada Shortwave Club will have a special pgm on November 2 & 3 devoted to the WDXHAC & HAP. All reception rpts for this pgm only will be QSL'd by this specially designed card. Be sure to tune in!
(via Ian McFarland, Producer, RGSWC)

In the spirit of WDXFY 73
A Special Edition of the

**CLUB ONDES COURTES DE
RADIO-CANADA
SHORT WAVE CLUB**

Dedicated to the

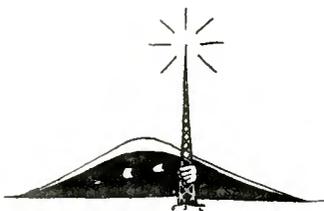
**World DX
handicapped aid campaign**

NOV. 2/3, 1974

Just enuff space left to say THANKS! to all of our contributors for their vly valuable and necessary support. Hope to hear fm YOU next month!

73 & Happy Listening!

Adm



CLANDESTINE BULLETIN

Larry Magne, 15 Central Avenue, Philadelphia PA 19111 USA, Tel. 215-379-2574

REPORT ON CYPRUS

by
Offer Barth, Israel

Israeli DXer Offer Barth, in a letter dated August 25, gives a roundup of Cypriot radio activity as monitored by him from Haifa.

Voice of Cyprus, 674 kHz, Anamur, Turkey: It appears to not be 5 kw, but, rather, 20 kw. Unfortunately, it shares the channel with IBA Ramalla (200 kw), making reception difficult in Israel.

Radio Bayrak, 1095 & 1473 kHz, Nicosia, Cyprus: Received well still in Israel on both channels, which have nonparallel programming as before.

Sancak Radio, 1275 kHz, Lefka, Cyprus: Not received now or in the past; Offer feels it may no longer be broadcasting.

Voice of Paphos Veterans, 1522 kHz, Paphos, Cyprus: Was received until about 25 July, then gone, apparently no longer active. Offer suggests it may have been destroyed in battle.

Voice of the Falcon, 1200 kHz, Larnaca, Cyprus: Never received in Israel, no information.

Canbulat Radio, 1372 kHz, Famagusta, Cyprus: Not received since June, apparently closed down due to the recent conflict.

That is some real unusual DXing, Offer -- thanks! Offer also points out that the pro-Barzani "Voice of Kurdistan of Iraq" is now received heavily jammed on 1200v and sometimes 1206v since late July or thereabouts. The jamming, which ought to ring a bell among veteran DXers, is of the overmodulated Western "pop" music variety... sort of a Middle-Eastern version of the Soviet "Mayak" jamming. Offer finds this effective, for the clandestine station is now "difficult to receive". Presumably the schedule is still roughly 1700-2030 (the last $\frac{1}{2}$ hour in English) on 1200/1206v, 1440v, 1550v, 3605v & 6936v.

RADIO NORDSEE UNDERGOES TRANSFORMATION

Information from Gregg Calkin and John Campbell indicates that Radio Nordsee, which, like the other remaining pirates, had to shut down operations from September 1 due to a new Dutch anti-pirate law which went into effect then, is undergoing a transformation into an Italian pirate called Radio Nova Internazionale. It plans to broadcast on 1610 MW (110 kw) -- the channel almost used by U.S. pirate "Radio Free America" -- plus 6210 and a channel in the 31 MB. This should start being heard about the end of September.

John, writing in Numero Uno, suggests writing RNI at the following address: A.J. Beirens, Room 207, Doverlaan 7, B-8380 Zeebrugge, Belgium.

One major international broadcaster is contemplating putting a powerful transmitter on 6210 kHz shortly for programs beamed to Europe; perhaps for that reason RNI appears to be testing, as heard in Philadelphia on September 15, on 6205 rather than the old 6210. Of course, 6205 was used some time back by RNI, which later adjusted to 6210 to avoid Tirana QRM from 6200.

REPORT FROM BULGARIA

by
Stefan Kirilov

Our new reporter, Stefan Kirilov, reports from Sofia that Radio Independent Spain and Radio Free Portugal appear to be broadcasting from two different centers, rather than one

LOG REPORT

AS NOTED LAST MONTH, ALL REPORTS FOR THE LOG REPORT SHOULD HENCEFORTH BE SENT DIRECTLY TO THE INDIVIDUAL LOG REPORT EDITORS. Their addresses are noted below. Notice the change in deadline for the A portion of LR.

Beginning with the next issue of FRENEX, the A section of Log Report will be edited by Bob Hill. Bob has been around the DX scene for many years, and is experienced in editing, having edited a portion of the bulletin of the old Universal DX Club, as well as having been an editor for QST for a time. We welcome Bob to the FRENEX editorial staff, and look forward to his efforts on the Log Report A section... Because of his west coast location, the deadline for reports to reach him is being set at the 12 th of each month.

This month A section is edited by Dan Ferguson.

SECTION A (1605-6200 KHZ)

SECTION B (6201-11600 KHZ)

SECTION C (11601 KHZ up)

Bob Hill
2923 Florence St. # 304
BERKELEY, CA 94705

M. R. Leonhardt
P.O. Box 13
Liberty, Indiana 47353

Jerry A. Lineback
411 South Fourth
St. Joseph, Ill 61873

(Deadline: 12th)

(Deadline: 15th)

(Deadline: 15th)

WHEN REPORTING TO LOG REPORT EDITORS....PLEASE list items in order by frequency in either direction, with the frequency at the left of the item; please follow essentially the same format used in LOG REPORT, and be sure to include your name at the end of each item, as reports are cut apart for editing. Also, please leave space between each item so that they will be easier to handle. Thank you.

The loggings this month include many very good catches, but nothing definite on Antarctica.

- 2200h GUATEMALA R.Superior, stn I 1st logged 11/6/71, and last logged 2/17/74 w/0500 s/off, finally appears in an official list via WRTH LA-News: It is TGSR, at Coatepeque, 1100 KHZ. Hrd again 9/7 at 0545, weak SS, 0600 TG-- and slogan IDs; peer. (Hauser)
- * 2360 GUATEMALA R.Maya de Barillas, 1101 M w/fqys(2360/3325), then mx mx, good lvl for 250 watts(Szot)
- 2390 MEXICO R.Buayacocotla, 1130 SS, definite IDs by M w/many mentions of Mexico; good lvl 9/7(Szot)
- 2428 PAPUA/NEW GUINEA R.New Ireland, 1112- 1137 t/o, Pidgin, choral music, M talking. Tuchscherer)
- 2446 REUNION ORTF, *0230 FF mx headlines, cl mx, fading(Abraham, Boomer, Garrou)
- 2480h USA KADS, Elk City OK, 2 x 1240 is regular, 9/7 0050 ID, football(Hauser)
- 3020vh COLOMBIA R.Ambalá, Armero, Tolima, 3 x 1007v(nominal 1020); hrd 9/7 0047, IDs; noted to s/off 0356. Only SA harm noted this season in 2-3 MHz band(Hauser)
- 3100h GUATEMALA...Probably clearing up another harmonic unID is new info via WRTH LA News, A "R. Modelo" ID hrd here 2/19/73 at 1100. New listing by this name appears in Retalhuleu; the stn I hrd was definitely in Guatemala; thus R.Modelo, TGRE, was likely operating on 1550, a fundamental of 3100. (Hauser)
- 3020h (out of order, sorry -DP) ARGENTINA R. El Valle, 0057 & 1035 in SS, mx, ads, TCs, several clear IDs; 9/6 & a few days later. 2 x 1510. (Boomer)
- * 3195 U UNID This stn in Arabic px, music, continues to be hrd 1630-1800, although weaker. (Robinson-Swasiland)
- 3204 NIGERIA NBG-Ibadan, 0430-0440 IS, EE ID 0432, into lcl mx, fair(Mayer)
- 3204 INDONESIA RRI-Bandung, M w/news 2303, clear IDs, strong(Robinson-Swasiland)
- 3210 MOZAMBIQUE LMR here at 0425 w/nice PP mx, good lvl(Henderson) Tentative: RCM suspected here 0410 w/PP tlk by M & MOR mx. Gene by 0445(Neumann) 0350 PP, rel mx, then reoster crews 0400 & wake up mx, mx(A.Miller) 0430-0450 f/o, Short PP amt, then mx(Earhart)
- 3212 U UNID Latin in SS w/mention of Quite; 0420-0440, gong 0430, ID lost in noise. (Mayer - 9/6)
- 3215 VU UNID Logged this one 6 nites straight. Nonstop Greek mx, along w/some Arab mx. 2 times have hrd OM speak what I believe was Greek. Sig fair at 2230 f/i, strong by 2300(no amt at hour or half hour). Seems this one usually runs sig equal to SABC on 3250. One nite listened 2245-0310 & only two short amts hrd, both at 20 min past hour. My guess is Cyprus, Greece, or Turkey.(Abraham)0055-0130 t/o, chants & ME mx, VG lvl, no amts(Tuchscherer) 3216, 0410-0430* Greek mx, NA at 0436, off 0438. Perhaps the Dominican.(Mayer)
- 3225 VENEZUELA R.Occidente, SS to 0502*, weak but in clear for a change(Neumann) This is probably the UNID reported in SS sports 0500 poor by(Abraham), and at 0415 in SS by(A.Miller)

- 3232 MALAGASY RTV Malagasy, 9/7 w/best signal of the year around 0330 w/FF talks, African music, FF ID 0330; fair(Henderson)
- 3240 PERU Presumed R. America, Andean vocals 0315, exc lvl(Dexter) Assume R. America though no ID heard; 0520 poor w/Andean music(Abraham)
- 3245 VENEZUELA R.Libertador, 0340-0401* SS talks by M&W, national anthem(Tuchscherer)
- 3250 S.AFRICA SABC, 0100-0430 English, pops, etc(Wala, Wootten, Courtney, Miller)
- 3260 ECUADOR LV del Rio Carrizal, full ID, anthem, then open carrier at 0300+ s/off on 8/31. Fair lvl, heavy QRN, and the UNID LA not noted after s/off. (Dexter)
- 3260 PAPUA/NEW GUINEA R. Madang, 1200 local singers, very poor(Lineback)
- 3275 VENEZUELA R. Mara, 0310-0330+ SS, LA music, US music(Tuchscherer)
- 3285 S.AFRICA SABC, 0400+, EE tlks(Tuchscherer) 0420 excellent signals(Henderson)
- 3290 GUYANA Action Radio, GBS, guitar IS 0755, *0813 w/rel px, Hindi mx Later(Cox)0912 Hindi mx, ID 0915 in EE & Hindi(?), Hindi mx(Earhart) 0920 EE, TC, ID*"GBS", light music(Jones)0241-0340* EE rock oldies, few annts(Beomer)..The tentative AIR I reported in August 1973 is probably this. Hrd 0845 w/ EE M w/request program, Indian stringed music(Keating)
- 3295 BRAZIL R.Educ.Rural, Campo Grande, appears to broadcast only 6 days a week, as never hrd on Sundays. LT is GMT-4, per TCs from the station(Tony Jones-Paraguay)
- 3300 GUATEMALA TGNC, 0412-0430* EE rel px(Lineback, A.Miller)1130 SS rel px(Jones)
- 3300 U UNID on 3300 in SS, under TGNC, poor sig after TGNC left 0358 9/2. UNID had sports px of some kind. SS pops 0430. Sounds like UNID has compressed modulation; not tunable on SSB. Could be R. Trujillo, Venezuela on drift from nominal 3295 KHZ. (Neumann)
- 3315 ECUADOR R. Pastaza, 0310-0324* abruptly, LA & lite mx(Tuchscherer) MOR mx to 0431* w/complete ID; fair lvl(Neumann)
- 3315 U BRAZIL do not know which; fair signal 2330 W/M in PP & Brazilian mx(Abraham)
- 3316 SIERRA LEONE R.Sierra Leone, 2300 lcl songs & EE ID(Henderson)0615 comm and pop mx(Garrou) Is comm an abbreviation for commercial, or for commentary? Because of the possible double interpretation, ad is better for commercial, and entry is better for commentary. Or, possibly com'l for commercial. DF ...0625 local lang, music. (Earhart)
- 3320 S.AFRICA SABC, 0411 Afrikaans, M&W talking(Lineback)0427 EE ID, Afk tlk(Tuchscherer)
- 3322 BOUGAINVILLE IS RE, 1113-1130 Pidgin, ID, EE ID, lcl & C&W mx, good(Lineback) 1035, EE ID, EE px to at least 1100, island & C&W music; fair(Robins)
- 3325 VENEZUELA R.Monagas, *0900(Earhart) *0914(Jones) 0945*(Tuchscherer)
- 3325 BRAZIL R.Borborema, 2340 Brazilian mx, M in PP(Abraham)
- 3330 RWANDA Tentative NF for Kigali, rel px in FF, nx 2000-2005, mx(Robinson-Swaziland)
- 3331 T COMORO IS R. Moroni thought to be stn here 9/2 w/african chants at *0330 with fair signal under CHU(Henderson)
- 3339 TANZANIA R. Tanzania Zanzibar, 0304 Koran chants, followed by YL w/news(Garrou)
- 3340 HAITI 4VEF, 0015, EE rel px to 0030, SS to 0100, then FF, 9/5(Garrou)
- 3345 BRAZIL R. Alvorada, 0110-0135 PP, lite mx, ID 0130(Tuchscherer) Tentative, 1010-1020 tlk & mx under static, no ID readable(Earhart)
- 3346 ZAMBIA R.Zambia, EE tlk 9/6, 0442, (Henderson)0420-0456 EE(&other?), pop & Afr music, tlk px, no ID hrd, but assume Zambia(Boomer)
- 3350 GABON Presumed Franceville, 8/31 *0500, poor to fair, lost around 0510. Checked Sunday & Monday nites 0430-0500+ and nothing hrd. 9/3 excellent evening for Africa so wonder if this schedule is not daily(Dexter)
- 3360 PAPUA/NG R. Milne Bay, 1035-1050 t/o Lang, lite mx(Tuchscherer) 1150-1200 Pidgin, talks, music; fair(Lineback)
- 3360 GUATEMALA LV de Nahuala, 0100 & 0400 w/Indian lang, mx, 0433*(Lineback, Wallace)
- 3365 VENEZUELA R. Puerto la Cruz, 2351 ID, M w/LA mx(Abraham)0333 ID(Field)
- 3375 BRAZIL R.Olinda, 2315-0400* PP, mx(Abraham, Lineback, Tuchscherer)
- 3375 ANGOLA Em.Oficial, equal w/R.Olinda 2325-2359, instr rock, YL s/off, NA at 2358 Abraham) 2340 PP w/US pop & jazz, Port NA 2357 & off(A.Miller)
- 3380 GUATEMALA R.Chertis, 0104 SS mx, very good(Lineback)
- 3380 ECUADOR R. Iris, 0425-0435 t/o LA mx, ID, noticias(Tuchscherer)
- 3385 FR,GUIANA, ORTF, Cayenne, *0915 Fr. NA, ID, fqys, lite mx(Jones, Sparks) 0120 FF by W ancr; weak but useable, first time hrd in a while(Neumann)
- 3385 NEW BRITAIN R.Rabaul, 1155 singing in local lang, good(Lineback)
- 3385 T BRAZIL Tentatively R.Cl.Teresina, 0844-0855 PP tlk, mx; RTTY(Earhart)
- 3390 ECUADOR R.Zaracay, 0810 Andean mx(Jones) 0915 Ec mx, clear ID(Sot) 0407 Andean mx, fair(Lineback) 0458 ID, Ec mx(Cress) 0450 peppy LA mx(A.Miller)
- 3395 BRAZIL R.Cl.Conquista, 0220-0250 t/o PP, pops, IDs(Tuchscherer)
- 3395 VENEZUELA R.Universidad, 0110 fair w/Spanish news and spots, IDs(Abraham)
- 3396 RHODESIA RBC, 0400 EE mx, mx(Lineback) 0440 EE, US pops, ID(A.Miller) Here almost daily w/S9+20db sigs, EE talk 0415(Henderson)
- 3396 NIGERIA NBC-Kaduna, 0500-0515 YL w/EE mx 0500, 0507 lcl mx, Hausa nx 0510(Mayer)
- 3400 CHINA Fukien, 1145-1200 CC, tlk by W, good(Lineback)
- 3870 PAKISTAN Quetta, 1159-1700 mx, tx(or should that be talk? DF) many local IDs. (Robinson, Swaziland)
- 3910 JAPAN AFRTS, Tokyo, 1045 English ID, news, music(Menroe)
- 3913.8 AZAD KASHMIR RADIO, regular here to 1830; mx, lang, IDs(Robinson-Swaziland)
- 3915 U UNID Around 2315, stn here w/ talk in unknown lang, under hms(Henderson)
- 3915 MALAYSIA BBC FES, 1300 Indon news that sounded very much like Jakarta news; but BBC ID noted 1313(Sparks)

QSL Report

Henry Rockwood
RD #6
Summerhill Addition
St. Clairsville, Ohio
43950

DEADLINE: 10th of month

Robert C. Wiles Co-Editor

- QSL NEWS -

As newly appointed editor of this section, I ask the members to "grin and bear it" for a couple of issues while I get the hang of this.

Bob Wiles, of Wheeling, WV, will be handling the typing chores. Thus I feel, he deserves equal billing as "CO-Editor"

The policy will be as follows:

1. Each contributor will be given as much credit as space allows.
2. Illustrations are desired. Return will be made if S.A.S.E. is included.
3. If you have reason to believe your varification is for new stations, or is hard to get - please say.

I hope to get to know the members; and hope I can do at least half as well as Larry. We are all sorry to see Mr. Yamron relinquish his position, and wish him luck and 73's.

73's

Henry Rockwood

OCTOBER QSLs RECEIVED 1974

AUSTRIA: ORF., 6155, mountain card in 3 wks. (Wooten) 9770, full data card in 27 days. (Overcamp); card, sked, technical info in 35 days for 1 IRC (Rockwood), Card in 3 mo. (Edelson)
Schulidesoster, Bundessheeres, 6255, full data card in 9 wks for 2 IRC'S(Wooten)

BELGIUM: ORU, 9655, full data card, mail bag script 6 wks Air; full data card (Brunner), mail bag script, 23 days air (Peraaho)

BOTSWANA: R. Botswana, 4845, no data card, in 6 mo air for mint stamps (Lobdell)

BRAZIL: R. Banserantes, 11925, PP letter in 20 days ask for 2 IRC's (Peraaha)

R. Cultura, 17825, letter, sticker, sked; in 3 wks.(Dexter)
R. Nacional, 11780, stadium card in 3 mo. (Earhart)
15245, card, pennant in 2 mo. air (Dexter) card in 45 days for mint stamps(hagen)
R. Ribeiarro Preto, 3265, letter, sticker in 2 wks air.
(Dexter)

BULGARIA: R. Sofia, 9700, card in 8 mo. for tape report. (Hagen) card, sked in 9½ mo. for 1 IRC. (Rockwood)

CANADA: R.C.I., 5970, globe card w/all data in 24 days. (Paschke)
6085, globe card in 1 mo. (Courtney); 9755 globe card in 23 days.
(Peraaho); 11855 globe card in 2 wks (Wooten); 11990 globe card in 5
wks for R.C.I. Report. (Earhart), 11720 Northern Service, Polar Bear
card in 21 days. (Earhart)

CFRY, 6070, blocks card w/~~freq~~ date in 14 days w/x by
(Rockwood)

CHU, 7335, Sanford Fleming card w/all data in 24 days.
(Wala)

CKZN, 6160, card w/freq and date in 13 days v/s by F.H.
Holm. (Overcamp)
ORF(Austria) Sackville relay test, 6155, fill data card
in 1 mo. for 1 IRC (d'Adolf)

EMISORA DEL INSTITUTO DE PROMOCION SOCIAL AMAZONICA - I P S A

LA VOZ DE LA SELVA

770 KLCB - 5 KW - ONDA LARGA 4825 KLCB - 1 KW - ONDA TROPICAL 83.9 MGCS - 800 W - FM
ABTAD 255 APARTADO 207 IGUITOS PERU TELEFONO 2588

CENTRAL AFRICAN REPUBLIC; R.C.A. 505, full data letter in 3½ mo.
for 1 IRC. (Rockwood); 7220, letter in 5½ mo for mint stamps. (Earhart)

CHAD: R. Nat. Tchadienne 4904,5, full data card in 21 days for mint
stamps. (Earhart)

CHILE: V. de Chile, 15150, card w/wrong freq in 4 wks for mint stamps
(Wooten) Photo card in 40 days for 2 IRC's. (Hagen)

CHINA: PR: R. Peking, 9780, card pennant in 21 days. (Rockwood)

COLUMBIA: R. Sante fe, 4965, card, pennant, decal in 162 days for 2
IRCS. (Peraaho)

COSTA RICA: TIFC, 9645, card w/all data, sked, in 10 days air.
(Gaffin)

CUBA: RHC, 15140, card, sked in 114 days. (Alder)

CHECHOSLOVAKIA: R. Prague, 7345, full data card in 32 days air for
2 IRC's. (Wala) 5950/11990 2 cards in 1 mo air (Earhart), full data,
card, letter, book won in contest in 4 days air for 1 IRC. (Rockwood)

DENMARK: R. Denmark, 9520, full data aerial card in 9 days air, for
EE report, 2 IRC's. (Wala)

DAHOMEY: R. Dahomey, 4870, card in 14 mo for 2 IRC's. (Wooten)

DOMINICAN REP: R Clarin 4850, letter, pennant in 2 wks for 26¢ stamp.
(Edleson); SS letter, pennant in 44 days for NASWA, SS report and 2
IRC's. (Peraaho); SS letter, pennant in 35 days for 1 IRC. (Rockwood)
R.T.V. Dominicana 9505, letter, pennant, for 1 IRC (Gaffin) how long?

ECUADOR: HCJB 9560, El Alter card w/all data in 3 wks air for 3 IRC's.
(Lobdell); 11915, mountain card w/all data, sked. In 26 days air for 2
IRC's. (Peraaho); Various freq. mountain card in 35 days air for U.S.
stamps. (Earhart)

EGYPT: R. Cairo 9475, card w/all dats, sked. in 5 days. (Peraaho)
Card in 3 wks. (Wootten); full data card in 6 wks. (Lobdell); full
data card in 31 days. (Overcamp); full dats card in 10 wks for 2 IRC's.
(Brunner), card w/all data, sked in 1 mo. (Courtney)

ENGLAND: BBC 6175, card w/ all data in 1 mo for I IRC. (Rockwood)
VOA. Wooferton, 7200, full data card in 1 wk. (Courtney)

FINLAND: R. Finland 15185, Summer card w/all data; sked in 17 days
for 2 IRC. (Reno); Autumn card w/all data; sked in 20 days for 2 IRC.
(Wala); card w/all data, sked. 13 days. (Peraaho); card, sked. in 14
days for 1 IRC. (Rockwood)

FRANCE: ORPT 11710, card w/all data in 2 wks air for 1 IRC. (Courtney)
15155 full data card in 15 days airfor FF report and 2 IRC's. (Brunner)

GABON: Z.V. Dela Renovation 4830, card w/all data in 3 mo. for I IRC.
(Rockwood)

Germany, D.R.: RBI 9560, card in 1 mo. (Hagen); 9730, venceremos card
in 3 wks. (Earhart); card w/all data in 35 days for 2 IRC'S. (Brunner)

HATI: 4 VEH 11835, card in 35 days for 2 IR8s. (Creno), card, letter,
in 3 wks. for mint stamps. (Wooten)

HUNGARY: R. Budapest 9833, bridge card in 2 mo. (Hagen) castle card in
7 wks. (Earhart)

INDIA: A.I.E. 11810, temple card w/all data in 152 days. (Peraago)

IRAN: V.O.I. 9022, fill data cord, book, pennant in 3½ mo for 1 IRC.
(Rockwood); 15084 full data carf, book, sked. card was missent to Sweden
but forwarded. (d'Adolf)

ISRAEL: I.B.A. 9009, card w/all data, sked. 39 days air. (Peraaho);
12,000, menorah card all datea, sked. in 6 wks air for 2 IRC'S. (Brunner)
15490 card w/all data, sked in 6 wks air for 1 IRC. (Courtney)

ITALY: RAI 9575, painting card w/all data, 80 days air for 2 IRC's.
(Brunner); card in 3½ mo. (Overcam)

IVORY COAST: RTVI 4940, form letter in 4 mo. for 1 IRC. (Rockwood)

JAPAN: NHK 9505, full data card in 19 days air. (Courtney); Tokozne
card w/all data in 13 days air. (Paschke); 9505/15195 Samuri card in 15
days for R. Japan report form. (Earhart, 15105, card w/all data sked in
17 days. (Reno) NSB 9595, Antenna card w/all data in 28 days air.
(Paschke)

KUWAIT: R. Kuwait 15415, folder card w/all data sked in 41 days air for
21 IRC's. (Peraaho); fill data card, sked. in 9 wks air for 1 IRC. (Brunner)
folder card w/all data, sked in 60 days air for 1 IRC. (Wala)

LIBERIA: VOA Monrovia 7195, Capital card w/all data in 12 days.
(Courtney)

LITHUANIAN, SSR: RVilnius 11770, full data card in 89 days. (Brunner)
card w/all wrng freq in 40 days for 1 IRC. (Rockwood)

LUXEMBURG: R. Luxembourg 6090/15350, aerial card in 5 mo. (Eargart)

MADAGASCAR: R. Nederland 6020, "Happy Station" card in 10 days. (D. Jones)

MALAGASY: R. Madagascar 17730, studio card in 43 days for 2 IRC's.
(Hagen)

MEXICO: R. Mexico 15125, letter, sked, pennant in 4½ mo for SS report
1 IRC. (Gaffin)

NETHERLANDS: R.N. 11730, full data HAP Card, 11 days air for 1 IRC.
(Courtney)

NEW CALDONIA: R. Noumea 7170, Is/and card w/all data in 50 days air
for 2 IRCs. (Paschke)

NEW ZEALAND: RN2 9540, card, sked, 102 days for 2 IR's. (Courtney)

NORWAY: R. Norway 15175, Oslo card in 7 wks.(Eargart)

PAPUA/N.G.: R. Northern District, 2469, folder card in 3 wks.(Dexter)

PERU: R. Libertao de Junin
5041, letter, folder, stamps in
10 days after many f/ups.(Dexter)

PHILIPPINES: VOA 17790, card in
2 days(?).(Overcamp)

POLAND: Polskie Radio 15120, map
card w/all data, pin, sked and
letter, 39 days air.(Peraaho)

PORTUGAL: R. Portugal 6025, ship card in 13 days.(Hagen); ship card
in 16 days for 2 IRC'S.(Reno); ship card in 1 mo.(Wooten)

ROMANIA: R. Bucharest 15250, full data card, shed in 75 days for 2
IRC's.(Brunner); 5990,9570,11940, 4 cards.(Earhart)

SPAIN: R.N.E. 15145/15365, aerial card in 2 mo.(Earhart); 11925, card
sked, pennant 15 days air, for 2 IRC's.(Peraaho)

SOUTH AFRICA: R.S.A. 9525/9585, cards in weeks.(Lobdell); card,
pennant in 15 days for 1 IR'S.(Wala)-----What Freq??

SWEDEN: R. Sweden 11955, map card w/all data, pennant, sked in 24
days air for 1 IRC.(Wala); map card w/all data in 45 days.(Overcamp);
card w/all data in 40 days air.(Peraaho); 17710 card in 5 wks.(Earhart)

SWITZERLAND: SBC 9535, Festival Card, sked. in 64 days.(Alder); card
w/all data in 2 wks for 1 IRC.(Rockwood)

SYRIA: R.Danascus ~~EX~~ 9665, globe card, pennant, in 16 mo for 2 IRC's.
(Wala)

TAHITI: R. Tahiti 15170, full data card, sked. in 27 days for 3 IRC's
(Wala); card, shed. in 23 days for 1 IRC. (Rockwood)

TURKEY: VOT 11880, card w/all data, pennant, sked in 2 mo for 1 IRC.
(Courtney); full data card in 15 days for 2 IRC's. (Reno) ; card in 6
wks. (Earhart); full data card for that special trans. of July 20 in 14
days for 1 IRC.(Rockwood)

UPPER VOLTA: R. TV. Voltaique 4815, map card 6½ mo for 2 IRCs.
(Earhart)

U.S.A.: VOA Dixon, 5955, capital card w/all data in 9 days air.
(Wala). VOA Bethany, 11830, full data card in 11 days air.(Wala)
VOA Deland, 11850, capital card in 5 minutes during visit.
(Wooten)

U.N. Radio 5955, card w/all data in 37 days.(Paschke); 6055
card w/all data sked. in 5 days.(Rockwood); Wtfr 15440, full data mike
card in 15 days air for 10¢ stamp.(Wala)

VATICAN: R. Vatican 9605, Last Judgement card w/all data in 36 days
air.(Brunner); 11845, card w/all data,sked in 39 days.(Peraaho)

VENEZUELA: R. Barquisimeto 4990, card in 30 days for SS report and
1 IRC.(Hagen), card in 2 mo for U.S. Stamp.(Edelson)
R. Nacional 11750, full data card in 16 days for 3 IRC's.
(Wala) R. Rumbos 9660, card/all data in 3½ mo for 1 IRC.(Rockwood)

ZAIRE: LV du Zaire 15245, letter in 8 mo. for FF tape report, 2 IRC's
on 3rd F/up.(Pappas)

RADIO POTI S. A.

C. G. C. 08.320.095

RADIO POTI

Av. Deodoro, 245-Fones: 2-3023 - 2-0051 - 2-1629 - C. Postal, 145
NATAL-RIO GRANDE DO NORTE

as had been previously assumed. Interesting enough, this ties in with an observation made by another CB contributor, M. Limmers-Ondes, to the effect that while in Romania he found clues suggesting that there may be two sites for these operations.

Stefan indicates only the 1235-1255 and 2005-2025 weekday broadcasts are via Radio Sofia's facilities, the rest are from two centers in Romania, as follows:

- Center 1: 1200-1315 (ex-1300-1415) RIS, 0600-0655 RIS, 0700-0730 RFP, 1600-2312 RIS and 2320-2350 RFP.
- Center 2: 1200-1230 RFP and 1900-1955 RFP.

Stefan does not indicate the exact sites, but reliable Western monitoring sources have variously suggested Cluj and Bucharest as the sites. So...why not both?

Finally, Stefan lets us in on a little non-clandestine news item too late to get to Listener's Notebook: Radio Sofia is constructing 2x500 kw shortwave transmitters at a site near Plovdiv; these will come into operation later this year with Foreign Service programs beamed to Africa, Asia and Latin America. We are, Stefan says, "the first" to know of this development.

LAOS -- CLANDESTINES

From LTC Henry Durant via WRTH, further via the DSWCI, we have a new list of Laotian stations that are considered "legitimate". The list includes such as United Lao Races, heretofore considered quasi-clandestine; hence, we will publish the list in full so that the clandestines and non-clandestines will fall into their correct slots, so to speak.

- Radiodiffusion Nationale Lao: Vientiane: 640 & 6130 kHz 2300-0230, 0500-1500; 1030 kHz 0500-1500.
Luang Prabang: 580 & 705 kHz 2300-0200, 0400-0700, 1100-1500.
Pakse: 1370 kHz 0400-0700, 0800-1430.
Other: 1180 kHz (0.5 kw) & 1400 kHz (1 kw) for local service.
- Psychological Warfare Division Stations: Headquarters, Lao National Armed Forces, Vientiane:
 - Voice of the National Army, Vientiane: 750 kHz, 20 kw, 2245-1500
 - Voice of Psywar, Vientiane: 980 & 5306 kHz, 0.2/0.3 kw: 2300-0400, 0700-1500
 - Voice of the Signal Corps, Vientiane: 1100 & 7066 kHz, 0.2/0.3 kw, 2300-1700
- Military Regional Stations operated by PsyWar Services:
 - Military Region I -- Luang Prabang: 1240 kHz 0200-0430; 6510 kHz 0700-0930
 - Military Region III -- Savannakhet: 575 kHz, 20 kw, 0000-1400
 - Military Region IV -- Pakse: 885 kHz, 20 kw, 2300-1400
 - Military Region V -- Vientiane: 1410 & 6770 kHz, 0.2/0.3 kw, 0000-1500
- Autonomous Regional Stations (military sponsored):
 - United Lao Races, Long Cheng: 950 & 4500 kHz, 5 kw, 2300-1030 (also operates at times on 7145, 7600 & 6660 kHz)
 - 2nd Strike Division (Xieng Lao Santisouk), Senc, Savannakhet Province: 4625, 6250 & 7385 kHz, 5 kw, 2330-0230, 0530-0830, 1130-1300
 - Military Region III PsyWar commercial station: 1430 kHz, 25 kw, 0000-0430, 0730-1400
- Lao National Police Radio, Vientiane: 550 kHz 2300-1430, but inactive since August 20, 1973.

The source further indicates an unidentified clandestine station, "believed mobile in Vientiane", and maybe competing with VoA's Thailand-based Laotian broadcasts, is noted on 1600 kHz 1030-1100 & 1200-1500.

Experience suggests a station such as this would not successfully operate for long or with appreciable radiated power via mobile facilities.

Of course, the nature of the conflict in Laos makes CIA support of some or all of the above stations not unlikely; however, the mere presence of covert funding does not render a station clandestine (if this were the case, even Taiwan's "Voice of Free China" would have to be considered clandestine).

The BBC NS indicated earlier this year that the "Voice of Peaceful Laos" operated from 0500-1500 (now reported as 1400) and 2300-0200 on 840 & 7384 kHz (cf. 2nd Strike Division, above).

AFRICA

With Portuguese decolonization in full swing, clandestine radio events are making some expected changes. Among them:

- Not noted since September 1 or so is Radio Liberation ("Radio Libertacao"), before that date widely heard on, among other channels, 6240 kHz. Its location was near Conakry, but there is nothing to stop further broadcasts to the Cape Verde Islands, which were not liberated along with Guinea-Bissau.

On September 9, Nelo Regalla, 22 years old, arrived in Bissau from Conakry to "help take charge of the nation's radio station", according to The New York Times. That station was last listed on 1034 and 5045 kHz, although a regional station is also listed on 1070 kHz in the WRTH.

- In Mozambique, rebellious whites took over the facilities of RCM for a brief period characterized in the streets by bloodshed. The rebels finally called it quits and

RCM operated more or less legitimately until perhaps September 13th, roughly, when, says sharp-eyed monitor Serge Neumann, RCM vanished from the 90 MB.

Serge has found RCM a reliable DX-level catch in the Midwest evenings, so those interested in the happenings in that country may be able to follow some of it on their shortwave sets. Our thanks to Serge and Myron Reamy for this material.

PIRATES OF THE WORLD, UNITE!

While Western pirates were under a Joe Bitsflk cloud of gloom following the Dutch government's decision to ban them from the airwaves, their amateur counterparts in the Soviet Union, used to such limitations, have sprung up like mushrooms in a cemetery on a rainy day.

Rumen Pankov, writing in BADX's "Bandspread", states that 14 pirates were on the air in Moscow in one night alone! They operate in the 1600-1700 kHz (U.S. "bootleg band") and 290-410 kHz ranges. "Radio Crocodile" is often heard in the evening on 1625 kHz in Kerierovo, and four new hobby pirates (bootleggers) have been heard in Kerierovo, Siberia. Rumen indicates the stations use tx's of 250-750 watts strength to do their forbidden thing.

SCOTTISH FREEDOMS COMPETE

by
John Campbell

It seems there are now two Scottish stations, each claiming to be the true "Radio Freedom". The schism in the management may be because one lot (6220 kHz, regularly from 0830 Sundays; Free Radio Enterprises, 15 Springfield Place, Roslin, Midlothian, Scotland) wants to play only pops, while the other (6283-90v, irregularly; SFRM, 17 Esk Grove Drive, Bilston, Midlothian) wants to talk about freedom struggles as well. Listeners should "be aware of imitations". (via Numero Uno)

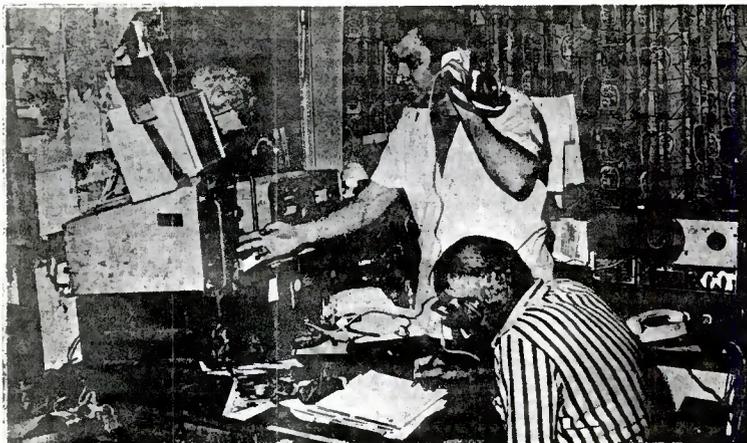
VOICE OF THE THAI PEOPLE REPORTED REACTIVATED

by
Kricha Wasanasong

Our new reporter in Bangkok, Krisha Wasanasong, writes that various newspaper reports indicate the clandestine Chinese-based station, "Voice of the Thai People", was reactivated on or not long before August 7, 1974, after being pretty much off the air for two years.

He checked and found that, indeed, the station was operating loud and clear on 6035 & 9422.5, both, incidentally, very much in parallel. Part of the programming included male vocal music accompanied by typical Laotian instruments (khène and percussion) with what sounded like a typical Lao "Mahlam", a method of spreading news in troubadour style from village to village (which preceded radio and newspapers in Laos and which is still in limited use).

Very interesting. I seem to recall that Voice of the Thai People has been logged by some DXers in the past two years, but maybe I'm wrong.



Jerusalem Post

The Cyprus conflict is recorded and transmitted to the outside world by Israel Radio's Michael Gordus, standing, and an unidentified translator. The radio team has been a major source of information on the hostilities for the entire world, recording and translating broadcasts from the island in Greek, Turkish and English. (Seral)

IBA's Michael Gordus monitors Cypriot stations (See Sept. CB-2)

- 3918 S.KOREA Seoul, Korean news 1504, good(Robinson-Swaziland)
- 3970 CAMEROON R.Buea, 0530 French, app news by M, ID, then music(Shaw)
- 3974 INDONESIA RRI-Surabaya, 1520 & 2300 Indon tlk, mx, IDs, strongest Indon here at times(Robinson-Swaziland)
- 3980 S.AFRICA Springbok Radio, 0040 Afrikaans(Abraham) 0330-0400 French, FF & EE ID, then English tx(Heraghty) 0330-0340 English & Afrikaans(Tuchscherer) ?(DF)
- 3990 LIBERIA Voa, English 0700, good(Abraham)
- 3995 S.AFRICA R.RSA (new freq?) 0415-0435 English to E.Afr; pops, news, etc(Boomer)
- 3995 SOLOMON ISLANDS VQ04, relay BBC news 1100, ID & s/off 1115; clear signal, RR stn off during the summer. (Sparks)
- 4000 INDONESIA RRI-Pontianak, news relay 1500-1510, 1515 mx, Love Ambon, off 1520(Robinson-Swaziland)
- 4110 U UNLD Maybe Bolivia, 0540 SS, low sole vocals, M host; many Bolivians showing up at this period lately(Shaw)
- 4274 N.KOREA Kangye, 1525 good sigs, Korean music & tlk(Robinson-Swaziland)
- 4445 I ECUADOR (Em. Central, HCHG2 was listed by Jack Perole in his list - nothing elsewhere.) Cherals 0115, other solos. Several days found here. Very weak, but in the clear.(Shaw)
- 4730 BOLIVIA R.Abaroa, 0320-0335 SS, mx, ID, some nites to 0445*(Tuchscherer)
- 4750 I ZAIRE R.Lubumbashi, 0450 Afro chorus mx, Vernac. talk, drums, no ID(Wallace)
- 4755 COLOMBIA Em.nuevo Mundo, 0732-0745 Col. pops, ads, IDs(Earhart)
- 4765 CONGO RTVC, 2300 ID 3.9.74, FF,NFF, ID, 31111...2245-2300ID, 7.9., ID, NFF, 33333 (I am not going to give the "credit" on this item. I will simply note that I am recommending to Bob Hill, new editor of this section, that such unintelligible items be thrown in the trash can. Dan F.)
- 4765 CONGO Brazzaville, 0510 African music, French talks, strongs(Wallace)
- 4770 VENEZUELA R.Bolivar, 0327 Spanish news, music(McCoy)
- 4770 LIBERIA, ELWA, 0640 man in English, rel pgm(Cox)
- 4770 N.KOREA Pyongyang, 1528-1531 march music, tlk in Korean, ID(Robinson-Swaziland)
- 4777 GABON Libreville, 2327 French songs & talk, by man(A.Miller)
- 4780 DOM REP Onda Musical 0104 Spanish, organ music(Jones)0320 SS tlks, ID(Estes)
- 4783 HONDURAS R.Juticalpa, ads & music 0220(Garrou)
- 4785 COLOMBIA Ecos del Combeima, 0830 ID(Spot) 4786, pops w/ID after each selection, at 0455(Sparks) 4787, 0500-0515 songs, IDs(Tuchscherer)
- 4788 PERU R.Atlantida, 0430-0440 LA mx, exo(Tuchscherer) 4788½, 0005 songs, IDs(Estes) 4790, up 3 Kc, pop songs, ID 0530(Sparks) 4791, 0414 SS mx(McCoy)
- 4790 ECUADOR R.Atalaya, 0340-0400 SS, strong, mx, IDs(Tuchscherer) 4790½ orch mx, ballads, double ID 0425(Earhart)
- 4795 ANGOLA, R.Comercial, 2300 PP ID & 2301*, very poor(Mayer)
- 4797 BOLIVIA R.Nueva America, 0405-0411*, SS, M w/ID, weak, no anthem(Tuchscherer)
- 4800 ECUADOR R.Popular de Cuenca, 0500 M ID, LA mx(Breakwell)0620-0630+ Andean music 8/23(Tuchscherer)
- 4800 UNLD Chinese at 1135, poor signal(Abraham)
- 4800 LESOTHO R.Lesotho definitely hrd 2 nites here just after s/on w/heavy QRM from UTE & Ecuador just below them. 9/7 choral anthem just after 0400, into local music(Henderson)
- 4805 BRAZIL R. Per um Mundo Melhor, poor w/PP pops, ID at 2300-2335+(Mayer)
- 4810 S.AFRICA SABC, 0305-0316 EE, instrumentals(Lineback)
- 4810 VENEZUELA R.Popular, 1020, pop mx, ID, strong (Sparks)
- 4810 GALAPAGOS LVde Galapagos, 0310 special pgm for Isla Floreana. Mx requests, talk (editor's note: tx means "transmission" or "transmitter". If "talk" is going to be abbreviated, it should be "tlk") about vacations. ID s/off 0500(Breakwell)
- 4815 UPPER VOLTA RTV Veltaique, lol music & talks in lang at *0600(Garrou)
- 4815 PERU R. Samaran, pop songs, ID after each selection, 0455*(Sparks)
- 4816 UNLD choral/anthem type mx noted 0445 tune, open carrier w/strong hum 0447-past 0455(Dexter)
- 4820 ANGOLA Emisora Oficial, Luanda, 2300 w/classical mx mx & news(Garrou) 0455-0505+ 10 note IS to 0400, AP, then on w/PP ID, mx(Mayer) ?(DF)
- 4820 GAMBIA R.Gambia, BBC news 0730, choral Afr music later(Cox) *0630 lang amt, then Koran chants(Garrou)
- 4820 HONDURAS HRVC, 0422 EE "Nightwatch" pgm, good(Lineback)
- 4820 VENEZUELA R.Triceiler, 1003-1015+ SS bulletins, mx bits, IDs(Tuchscherer) 1035 noticias & ID(Sparks)
- 4825 DOM.REP. LV de Fuerzas de Armadas, 0358-0410, semi-classical mx(Mayer)
- 4825 ECUADOR Em.Luz y Vida, 0648 EE Ecuadorian music(McCoy)
- 4825 PERU LV de la Selva, fair 0005 SS ID, talks, classical mx(Estes)
- 4835 PAKISTAN Rawalpindi, EE 1534, ID by M 1542, "Yeh R.Pakistan Rawalpindi"(Robinson)
- 4840 VENEZUELA R.Valera, 0000 SS IDs, TCs, ads, mx(Estes)
- 4840 CHINA PLA Fudian, 1100 lang tlk, CC mx(Zilmer) 1140 XL in unknown lang, prob CC; stn unid(Abraham)
- 4845 BOTSWANA R.Botswana, 0420 lang & mx, 0430 EE mx(not BBC), fair(Garrou) 0430 exo sigs w/Afr mx pr & local langs(Henderson) 0450 vernac. tlk, BBC mx 0500(Wallace)
- 4845 MAURITANIA 0708-0730 AA chants, tlk(Earhart)
- 4845 I BRAZIL Tentatively R.Dif.Teresina, 0745-0808, PP, but SS stn same freq(Earhart)
- 4845 COLOMBIA R.Bucaramanga, 0350-0405* w/anthem(Earhart)

- 4849 DOM.REP. R.Clarin, back after several weeks of silence; pops, ID, 0415(Sparks)
0840(Herbhold) 0832 LA mx(Jones) 0100 SS IDs, tlks, US pops(Courtney)
- 4865 BRAZIL RC do Para, PP armts, ads, ID by M 2330, poor(Robins)
- 4870 DAHOMEY R.diff. 0520 FF talk, Afro mx(Wallace)
- 4875 S.AFRICA R.RSA, 0405-0426* EE mx, mx, was to be dropped after Sep 1(Earhart)
- 4875 BOLIVIA R.La Cruz del Sur, 0100 mx & SS mx(Garrou) 0115 semi classical mx(Cress)
- 4880 VENEZUELA R.Universo, SS 0202, mostly ballads(A.Miller)
- 4882 DOM.REP. R.Comercial, 0535 Spanish, music(McCoy)
- 4883 U UNID in PP 1950 w/jazz mx, "Jornal" at 2000, definitely African(Robinson-Swaziland)
- 4885 PERU R.Huancavelica(not listed R.Villarica), nominal sked 1100-0500, but at times hrd to 0530 w/p/r of huaiños.(Jones-Paraguay)
- 4885 COLOMBIA Ondas del Meta, 1159 SS, LA mx, ads(Jones) 0855 M in SS(Cox)
- 4886½ BRAZIL R.Pioneira de Teresina, 2300-0200(Mayer) 0335-0345(Tuchscherer) 0812-0837 PP, Brazilian mx(Earhart)
- 4890 VENEZUELA Rdfi Venezuela, 0215 SS ID, US & LA pops(Courtney)
- 4890 PAPUA/NG VLT4, National Radio, 1000-1200+ EE(Patterson, Herbold, Jones)
- 4895 PERU R.Chanchamaya, 0440-0503 SS, LA & pop mx, NA at s/off(Tuchscherer)
- 4896 MOZAMBIQUE R.Beira definitely the stn here 0355, IS 0359, then s/on Swahili w/lcl mx. Mentions of Tanzania & Beira common during the music pgm. Is not Burundi. Levil corresponds to last years transmission on 4890-91(Henderson) Beira hrd daily 0400-0500 f/o w/Swahili tlks, lcl mx, ID by YL, not Cordac(Mayer)
- 4900 BURUNDI R.Cordac hrd at least 4 different times at 0400 after R.Juventud s/off, pop & rel mx, Swahili talk 0415, good some days, poor others(Henderson)See # below
- 4900 INDONESIA RRI-Gorontalo, 2332 "Warta berita", 2343 mx w/vocalists, YL in tlk, fade out 2345. (Robinson-Swaziland)
- 4904½ CHAD RNT-Ndjamana, 0530 thru RTTY(Robins) 0455 Afr mx, strong(Wallace)
- 4907 CAMBODIA Phnom Penh, fair sigs 1045 w/SEA songs, slight QRM(Estes) 1110 Oriental music, FF by man(Garrou)
- * 4900 BURUNDI R.Cordac(I mis-sorted this item, sorry -DF); daily 1930(Robinson-Swaziland)
- 4910 VENEZUELA R.Carora, 2353, clear SS ID, ads & mx(Estes)
- 4911 ECUADOR Em.Gran Colombia, 0503 fiesta mx(Tuchscherer) 0350 SS, mx(McCoy)
- 4915 BRAZIL R.Dif. de Macapá, 0851, lcl PSAs in PP, mx; good(Garrou)
- 4915 GHANA R.Ghana, 0611 EE mx(Szot) 2230-2300 EE, mx, lang, mx(Schwartz, Courtney)
- 4920 AUSTRALIA ABC, 1132 EE tlk, mx(Jones) 1028-1105 EE, symphony mx(Patterson)
- 4920 INDIA AIR-Madras, 1730 EE mx, YL in lang 1735(Robinson-Swaziland)
- 4920 HONDURAS R.Progreso, 0118 ads(Jones)0225 mx, ads(A.Miller)0609 bored DJ(Szot)
- 4923 ECUADOR R.Quito, 1046-1102+ Andean mx, TC, ID(Patterson) 0230-0259*(Cress)
- 4925 CHINA Harbin presumed the one here w/CC mx by M&W 1035(Robins)
- 4925 EQ.GUINEA R.Bata, 0420 Afr mx, past 0515, strong(Tuchscherer) 0512 best ever (Henderson) 0520 SS, Afr mx(Robins) 0523 lcl mx, SS(Garrou)
- 4932 JAVA Surakarta, 1150 lang tlk, mx, TC(Tuchscherer) 1220-1230 mx, bits of talk, very poor(Lineback)
- 4932 NIGERIA NBC Benin, local pgms, mx; weak, 2145(Garrou)
- 4934 BRAZIL R.Poti, 0115-0130 PP, several rapid fire IDs, 8/29 only(Tuchscherer)
- 4935 BRAZIL R.Poti, 0115 PP futebol, fair(Mayer 8/13)
- 4935 U UNID Still tracking Latin here some nites; SS, but seems PP other nites, so maybe getting two different stns. Believe the SS is R. Cinco, Colombia, but sig is usually poor. Seems to s/off 0430A(Dexter)
- 4940 ECUADOR R. Nacional, 1107 SS news(McCoy)
- 4940 IVORY COAST RTVI, 2346-0000* w/vernacular & FF IDs, poor(Schwartz)
- 4940 VENEZUELA R.Yaracuy, 1056-1107 SS Venez(C&W) mx, TCs, IDs(Patterson)
- 4942 ANGOLA R.C.Malanje daily 2100-2300; noted here for some time(Robinson)
- 4950 VENEZUELA R.Core, 0212 SS ads, LA mx(A.Miller) 2330 US rock mx, ads, TCs(Estes) *1002, SS, anthem, ID, s/on(Jones)
- 4960 ECUADOR R.Federacion, mx & mx 0230-0300*, annc *1100(Field, Jones-Paraguay) Tent. Ec mx, 1200, heavy RTTY, no ID noted(Sparks)
- 4960 VENEZUELA R.Sucro. 0200 after s/off of R.Sucua; mx, IDs, TCs(Field)0300 maybe?DF
- 4972 CAMEROON R.Yaounde, 0517-0530 lang, M talking, Afr mx, poor(Tuchscherer)
- 4975 PERU R.del Pacifico, 0350-0428* SS, LA & organ mx, rel tlk(Tuchscherer)
- 4985 INDONESIA (No ID hrd), 1210 news in lang(Field)
- 4990 NIGERIA NBC Segunle, 0515 coml pgm in native lang(Sparks) 2200 EE, mx, serial, mx, s/off 2305; peaks 2220-2240(Brooks)
- ☆ 5010 PERU R.El Sol, Iquitos, 0250 mx, frequent IDs, references to Iquites. Either a new station or new name for R. Eco. 9/14(Field) see below
- ☆ 5010 PERU OAXBV, R. Eco, 0430-0441 SS peruvian pops, TC, several mentions of R.Eco and Iquitos, 8/24(Patterson) see above
- 5010.3 COLOMBIA R.Sur Colombiana, "LV del Futuro", 0500 LA mx, SS IDs, past 0900, clear after R.Eco s/off; maybe 24 hours(Behr)0659(McCoy) 0826(Jones) 0738 (Dexter)
- 5015 RSFSR(As) Vladivostok, M&W in RR talks 1040(Robins)
- 5015 GRENADA R.Grenada, 2355-0000* lcl mx, ID(Schwartz) 2335 EE mx(BBC)(Cress)
- 5016 COLOMBIA Ecos del Atrato, 0300 LA mx, SS IDs to 0525*(Behr) 0329-0354*, mentions of "Radio emisor..." and that hrd "Atrata" once. No mentions of R.Sur Col., which was definitely hrd when first tuned around 7/10(Dexter)
- 5020 ECUADOR R.Centinel, 0607-0620* US pop & rock mx, exc sig(Tuchscherer) Is there an implication there that "rock" is not "popular"?(DF)

- 5020 NIGER Niamey, 0543-0608 vernac & FF, native songs(Earhart)
- 5030 DOM.REP. Nueva Voz del Papagayo, 0500 SS ID & mx, past 0730; cf Aug LR: Ondas Canarias seems doubtful(Behr) 0629 SS mx(McCoy)
- 5030 VENEZUELA R.Centente 1042-1053 mx, TCs, ID(Patterson)
- 5033 CABENDA A Voz de Cabinda, s/on 0500 w/anthem, native mx, fair(Henderson) 0600
 vern, hi-life mx, YL in PP, M in vernacular. (Shaw) 2300* after soft mx & instrumentals; news & anthem before s/off(Garrou)
- 5035 COLOMBIA LV de Casquetá, 0030 SS, LA mx telephone talk show, 9/5(Garrou)
- 5041 GUINEA-BISSAU Em.Oficial, 2318-2320 M w/news(Mayer)
- 5045 I ANGOLA RC Benguela, one nite only, loud, YL in PP, only carrier since 8/5/74 (Robinson-Suziland)
- 5060 ANGOLA R.GL. Huambo, 2300*; ID by M, AP, then off(Mayer)
- 5066.5 ECUADOR R.Progreso, 0400 mx, SS IDs, past 0530, varies to 5060(Behr) 0515 (Patterson) 0505(Abraham)0445(Robins)0634(McCoy)0757(Jones)
- 5816 PERU LV del Altiplano, 0309-0338 t/o, guitar, vocals, Andean selections, M ancr. Fairly good 8/22, but CW-UTE QRM, 1000th SWBC station logged. (Dexter)
- 5874 HONDURAS Voz de Honduras, 0344 rapid SS, sports, sports, fair(Veidt)
- 5900 CHINA PLA, YL w/CC tlk 1015, many //s(Estes)
- 5960 CANADA CBC No.Svc, 0154-0212t, English, tlk, news(Jones, Brunner)
- 5965 ENGLAND BBC, 0100-0200 Arabic, definite IDs; suggest this was the UNid item in July FRENDX, not Saudi Arabia(Brooks)
- 5970 PERU R. El Sol, 1030-1100 when RCI s/on, music pgm(Field)
- 5970 NF ECUADOR HCJB, new fgy in EE to NA 0030-0700, //9560, 11915(Wala,Zilmer,Brooks, DF)
- 5980 S.AFRICA R.RSA, EE to Afr, 0305-0315*(Tuchscherer, Jones) (Brooks /)
- 5985 USA WYFR, 8/13, Pres. Ford's address 0130-0140, then SS(Courtney) SS rel 0030(/)
- 5990 ROMANIA 0030 SS mx(Brooks)0132 Eng mx by woman(Wala)
- 5995 AUSTRALIA RA, 1130 EE(Wala) 1305 Eng news in GOS(Britton)
- 5995 ENGLAND BBC w/relay of RCI, 0158 s/on under VoA(Trautschold)
- 5995 PHILIPPINES VoA, Pore, 1118 EE news, not //5955(Wootten)
- 5995 VATICAN VR, 0100 Eng rel mx(Ricchezza)
- 5995 I MALI Tentatively Mali, 2220 African music(Abraham)
- 5999 MALI R. Mali, 2345-0000* FF, mx, some vernacular(Zilmer)
- 6000 USA KGBI, 0159 SS, (Jones)
- 6005 AUSTRALIA R.Australia, 1130 EE, //5995(Wala) 1228 EE, stocks, //5995(Jones)
- 6010 PERU R.America, Andean mx 0441-0500 ID(Mayer)
- 6010 USA BBC, Dixon relay, 0215-0415* SS, //11880-Delano(Behr)
- 6010 ITALY RAI, 0120 end EE(Jones) 0224 ID in II & SS(Wootten)
- 6012 ??? Carrier here 0930-0945, 8/19; thot hrd MoR mx, but not sure(Mayer)
- 6015 VATICAN VR, 0030 SS/EE, unlisted, but appears //5995*Brooks)
- 6015 COLOMBIA R.Mira, pops & ID 1110(Sparks) *1034 SS, organ mx, ID(Jones)
- 6018 ???ANTARCTICA??? (from the October FLASHSHEET, edited by Al Miblack, 420 Shelby St., Vincennes, Ind. 47591. For details on receiving the FLASHSHEET, see the back cover of FRENDX)...On 9/15, 0610-0715A, hrd on 6018, a weak AFRTS relay; at times down in the mud, then back up above the noise level with perfect clarity. The stn had no flutter fade, but just gradual in and out rise and fall above the prevailing noise lvl. A check of 6012 revealed no sign of a carrier of any kind. Just the usual AFRTS ID. If this isn't McMurdo, then just who is it??? (Bill Sparks, California)...Also from the FLASHSHEET...Ed Shaw advises that reports may be mailed direct to: Officer in Charge, Antarctica AFRTS, c/o U.S.Navy Antarctica Support Force, FPO San Francisco, CA 96692. Mail being processed during the next few weeks.... All above from the NASWA FLASHSHEET.
- 6020 VENEZUELA R.Ancosátegui, *1001 SS, anthem, IDs(Jones)
- 6025 NIGERIA NBC-Emgu, 2250-2305* piano mx, EE news, local ID & off w/NA(Estes) Vernacular 0540-0600, 0600 EE began IDs(Abraham)
- 6025 PORTUGAL RP, 0200-0224 English news, folk music(Brunner)
- 6035 NF SWEDEN RS, 0030-0100 EE to NA, ex 11755(Wala, Zilmer, Brooks, Jones, A.Miller)
- 6035 BRAZIL R.Glebo, 2345 PP tlk(Zilmer)
- 6035 BOLIVIA see Sept LR, I thought I hrd references to "Lima" and "Peru", but was not sure, hence the(?) after Peru.(Which I inadvertently omitted - DF).. Definite Spanish, and reported elsewhere in PERU. (Jack Jones)
- 6045 SWEDEN RS, 0230-0300 EE to WCNA, ex 11955(Zilmer, Talbot)
- 6045 JAVA RRI Jakarta, 1145-1200 moslem chants, M in Indon, ID 1200, //7270(Mayer)
- 6045 BRAZIL R.CL. Paranaense, 0240-0300* PP, ID(Robins) 0842 PP, mx, TCs, ads(Jones)
- 6045 LIBERIA VoA, 0000* w/full ID from Monrovia(Wala)
- 6045 MEXICO R.Universidad, 0120 poor w/SS & lite mx(Tuchscherer) Rr 0200, ads, ID 0225(Robins)
- 6050 ECUADOR HCJB, 0240 sports mx(?)Wootten)0130 SS ID(Trautschold)
- 6055 BELGIUM RTE, 0040-0100 EE to NA(Brunner, Overcamp, Wootten, Zilmer)
- 6055 JAPAN NSB, JJ tlk 1515 (Mayer)
- 6060 ARGENTINA R.Nacional, 1000-1015 SS, fanfare, news, ID, mx(Tuchscherer)
- 6060 NETH.ANT. TWR, 0350 RR, 0430 Serbo to 0445*, QRM de LRA(Behr)
- 6070 VENEZUELA R.San Sebastian, 0250 M&W in SS, CFRI not hrd(Wootten)
- 6080 UNID 0330 SS tlk by man, LA tunes(Mayer)
- 6080 INDONESIA RRI Jajapura, Indon mx & local ID 1045(Sparks)
- 6080 ENGLAND BBC, Bengali news after s/on 0130(Brooks)

- 6080 NEW ZEALAND NZBC, 0630 EE, 6 pips on hour, "N.Z. Calling"(Szat)
- 6085 COLOMBIA Ondas del Darien, 2335-0005 SS, LA & US pops, IDs(Tuchscherer)
- 6085 ESTONIA Tallinn at 2115-2145 w/tlk, operatio mx, IS & language change at 2135.
Heard two or three days straight. Henderson)
- 6085 CANADA (is here, R.Ned. is on 6165, see Aug LR(J.Davis)).....
- 6085 CANADA R.Canada, 0112 English talk on Canada(Trautschold)...DW, Sackville, 0200
GG via double relay, 0340 Malta ID, 9/2(Behr)...So watch the DW IDs, folks.(DF)
- 6085 BRAZIL R.Jornal de Comercio, 0905 Portuguese, mx, talks, ads(Jones)
- 6090 AUSTRALIA ABC, 1100 English news(Zilmer)
- 6090 LUXEMBOURG, RL, 2232-2245 Ger rel px(Schwartz) 0100-0115 Eng pops, mx(Brunner)
0000 English news, weather, music(Wala)
- 6095 COLOMBIA LV de Centro, 0540-0555 t/o Spanish, LA music(Tuchscherer)
- 6100 VENEZUELA Observatorio Cagical, 0815 SS time sigs(Jones) 0915(Overcamp)
- 6105 MEXICO R.Merida, XEQM, 1230 SS tlk, IDs, fqys(Jones) 1316 SS pops, ads, anmts.
(lest credit - believe it was(Brooks) DF)
- 6110 PHILIPPINES VoA-Phil., *1058 EE ID, 1100 EE news, good(Wala)
- 6115 PERU R. Union, 0230 SS, CI ID..(What is "CI ID" ??-DF)..(Brookwell)
- 6115 COLOMBIA LV del Llano, 1009 ID & pops(Sparks) 0400(Brookwell)
- 6120 USA Vo OAS, EE/SS/PP/FF, "Mr of the Americas"(Brooks)
- 6125 COLOMBIA R.Continental, 0635 mx, LA mx(Tuchscherer) 0703 SS, LA mx, TC(Jones)
- 6130 CANADA CHNX, Halifax, 1120 EE, wx, nx, mx, ads(A.Miller)
- 6130 T LAOS Tentative, OM in slow sing-songy vocals 2350 on USE, exc signals, 0000
VoA s/on but clear ID under mentioning "Lao", into YL w/nx in lang. Format does
not sound like Sri Lanka.(Robinson-Swaziland)
- 6135 BRAZIL R.Gaúcho, *0830 PP, tlk, mx, ads, jingles(Zilmer)
- 6135 POLAND Polish Radio, "music Concert"(Brooks) 0000
- 6135 CANADA RCL, 0404 English news, sports(Jones)
- 6140 AUSTRALIA VLW6, ABC-Perth, news 1105(Robins)
- 6140 BURUNDI L'Veir du Revolution, s/on some days hrd at 0330, but BBC comes on right
after 0330 with carrier. Drum IS & into anthem(Henderson)
- 6140 CYPRUS BBC, Hindi 0045, Urdu 0115, Persian 0200(Brooks)
- 6145 NIGERIA NBC Calabar, EE 0500-0530+(Abraham)2145-2158 ID, vern., Af mx(Schwartz)
- 6145 CANADA CBC, 0120 English(TS)
- 6145 MALTA DW, 0410-0430 GG/EE, continuous pops, asking for reports on test tx;
excellent but slight het(Lineback) 0340-0400 EE/GG, pops, wants reports(Jones)
- 6145 GERMANY DW, 0435 IS, s/on EE(Britton) 0052 GG w/ID, tlk, GG mx, //6100(Trautschold)
Will take a while to sort out the schedule - especially while Malta testing(DF)
- 6150 AUSTRALIA ABC Melbourne, EE news 1100, lite mx(Robins, Zilmer)
- 6150 COLOMBIA LV del Huila, 0130 IDs(Brooks)0226 mx, IDs(A.Miller)0740 tlk, mx(Zilmer)
- 6155 SWAZILNAD SMR, 0415-0430 EE, DJ tlk, ads(Lineback)0430 mx, tlk, best ever(Mayer)
- 6160 CANADA see September LR, I hrd, QSLd, & thot I reported CKZN, St. Johns, at
0830-0900 w/ EE nx, wx(Overcamp) My error, sorry - DF...
- 6160 CANADA CKZN, St. Johns, 1000 CBC pxm then NFLD wx, better abt 0900(Robins)
- 6160 VENEZUELA R.Canaima, 0907 Spanish, LA mx(Jones)
- 6170 COLOMBIA LV de la Selva, 0905 SS IDs, greetings(Estes)1100 tlk, mx(Zilmer)
- 6175 COSTA RICA TIFC, 0042 Eng rel px & mx, poor(Trautschold)
- 6180 ARGENTINA R.Nacional, Mendoza, 0930 band mx, px summary, guitar mx, songs;
noticias at 1000(Sparks, Tuchscherer)
- 6180 ECUADOR HCWB, 1129 JJ song, EE ID, into JJ(A.Miller)
- 6180 VENEZUELA R.Turismo, *1022 w/SS ID & fqys at s/on(Jones)
- 6185 PHILIPPINES VoA-Poro, fair 0000 w/nx in special English, past list s/off(Estes)
- 6185 USA VoA-Dixon, *1430 Indonesian, M&W w/news(Robins)
- 6185 ETHIOPIA R.Ethiopia, Home Swc 0330, Somali, songs. 0350 USSR & DW covered. Next
hour first R.Ethiopia, then USSR would surge in over DW(Brookwell)
- 6190 CHILE Couple of reports for Chile this fqy; believe they should be 6195(DF)
- 6195 CHILE VoC, 0945 mx by M&W, ID(Tuchscherer) 1020 nx, cmtry, here, not 6190
(Zilmer)1045 French by YL(Robins)
- 6195 NIGERIA NBC, Sokoto, 0532 English & Hausa, chanting(Earhart)

That ends my short tenure as Log Report editor - again! Be sure to get reports to Bob Hill, 2923 Florence St., #304, Berkeley, CA 94705 by the 12th of October. Reports received here will be forwarded to him as they arrive.

Dan Ferguson

- 6210 INTERNATIONAL WATERS RNI; 0225 EE, pop mx, singing ID (Robins);
0540 EE, pop mx (Earhart)
- 6225 CHINA R.Peking; 1125 YL w/CC px (Robins)
- 6290 CHINA R.Peking; 1126 YL in CC like lang, then Internationale (Robins)
- 6340t TURKEY Turkiye Polis Radyousu; 1700 OM in TT(?), mx (R'son-Swaziland)
- 7050 EGYPT R.Cairo; 0310 AA mx, nx w/CW ARO QRM (Robins)
- 7065 ALBANIA R.Tirana; 0022 EE, mx, talk (T.Smith); 0135 PP, ID (B'well)
- 7095 CHINA R.Peking; 1130 CC ancr, YL ancr in CC (Robins)
- 7105 ENGLAND BBC; 0527 EE px into FF at 0530 (Courtney)
- 7105 MONACO TWR; 0625 EE rel px QRM BBC (Earhart)
- 7120 ALBANIA R.Peking relay; 0250 EE, ID, nx (Robins, Courtney, Hohnstein)
- 7125t INDIA AIR; 1140 EE, nx, wx report, possible ID (A.Miller)
- 7135 FRANCE ORTF; 0531 EE, contest details (Earhart)
- 7150 AUSTRALIA RA; 1530 EE, "Australian Newsreel" px (Mayer) / (Mayer)
- 7155 JORDAN R.Amman; 2220 AA, chants, off 2241 (Earhart); 0357 AA, nx, ID
- 7165 RYUKYU ISLANDS VoA Okinawa; *1058-1150 EE ID, nx, pop mx (Wala, E'hart)
- 7170 SOUTH AFRICA R.Suid Afrika; 0530 Afrikaans px in QRM (Behr)
- 7170 NEW CALEDONIA R.Noumea; 0902 FF, OM&YL talks, pop mx (Earhart)
- 7180 MAYALSIA BBC Tebrau; *1000-1045 Indonesian nx (Hohnstein, Earhart)
- 7185 USSR R.Moscow; 1144-1200 EE, farm nx, ID (Mayer, A.Miller)
- 7185 ENGLAND BBC; 0422 EE px (J.Davis)
- 7190 SRI LANKA SLBC Colombo/Ekala; f/11408-1430 EE rel px, ID, talk (Hill)
- 7190t YEMEN (PDR) DYBS; 0315 AA, string mx, vocals, overridden by R.Free
Europe at 0345, no positive ID (Cress)
- 7195 INDIA AIR Delhi; IS 1429 into EE nx by YL (Hill)
- 7195 LIBERIA VoA Monrovia; 0415 EE talk on Cyprus (J.Davis)
- 7200 ENGLAND VoA Wooferton; 0600 EE, ID, nx, "Breakfast Show" (Courtney)
- 7210t KENYA V of Kenya; 0550-0600* Vern, OM talks, abrupt s/off (Earhart)
- 7210a UNID. 0043 possibly BBC w/3-tone IS into lang, possibly Greek, then
nx by OM (Agner)
- 7220 SAUDI ARABIA BSKSA; *0300-0325 f/o w/NA, AA ID and Koran (Estes)
- 7220nf AUSTRALIA RA; 0915-1230 EE, ancd as Papua/New Guinea svc (H'stein,
Zilmer, Agner, A.Miller, Earhart)
- 7220 ENGLAND VoA Wooferton; 0445 EE ID into Polish px (Brookwell)
- 7222 UNID. 0610-0640 possibly R.Canada w/pop mx in EE and FF, FF talks
by YL, no ID (Earhart)
- 7225 RWANDA DW Kigali; *0430 EE ID, US rock mx (Courtney) / Wootten)
- 7235 AUSTRALIA RA; 1050-1215 Indonesian, pop mx, nx (Brooks, Earhart)
- 7255 RYUKYU ISLANDS VoA Okinawa; IS 0958, to poor to pull ID (Robins)
- 7260 E.GERMANY RBI; *2200-2230 Multi-lingual freq anmts (Brooks);
Different IS than RBI, FF ID, regular IS, FF nx (Mayer) 0500*GG (Behr)
- 7265 W.GERMANY Sudwestfunk; 0258 two-note IS into GG px 0300 (Wala)
- 7270 GREECE VoA Kavala; *0158 EE ID into nx (Wala) / (Wala)
- 7270 JAVA RRI Djakarta; 1145-1200 AA type chants, Indonesian talks // 6145
- 7270 S.AFRICA Radio RSA; *0300 EE, "Good Morning Africa" px (Wala,
A.Miller, Brooks) / Courtney)
- 7275 NIGERIA VoN; *0500-0730* Bells and drum IS, EE ID, nx (Tobin)
- 7280nf AUSTRALIA RA; 0845-0905 EE, nx (Hohnstein)
- 7280nf YEMEN ARAB REP R.Sanaa; 1445 chants, AA anmt, abrupt off 1453,
flutter via LP. Not heard on 5804.4 at same time (Hill)
- 7285 S.AFRICA SABC; 0545 EE ID, nx, mx (Courtney)
- 7295nf AUSTRALIA RA; *1115-1245* Now using 41 mb for first time for NoAmer
EE xmsn // 9580, replaces 11710 & 11810 (Earhart, Hohnstein, A.Miller,
Mayer, Hauser, Behr, Britton, Martin, Brooks, Zilmer, Cress, Wala)
- 7295 GREECE VoA Kavala; 0510 EE, OM with nx (Brookwell)
- 7300 ALBANIA R.Tirana; 0245-0300*; 0356 EE, nx, cmntry, features (Britton,
Earhart, J.Davis, Brunner, Courtney, Martin)
- 7310 USSR R.Moscow; 2045 RR, mx // 7290 (Ricchezza)
- 7325 ENGLAND BBC; 0003; 0100-0120 EE, nx, mx, talks (Trzaskus, Fino, T.Smith)
- 7345 CZECHOSLOVAKIA R.Prague; 0225 SS, OM & YL in talks (Fino)
- 7395 ISRAEL IBA; 2115 FF, talks (Zilmer); *0400 EE ID, nx (Courtney)
- 7405 N.KOREA R.Pyongyang; 0940 KK songs (Estes); 1035 EE (Robins); 1100-
1150* JJ px w/NA at s/off (Behr, Earhart)
- 7420 USSR R.Moscow; 2300 SS, talks on Chile (Brooks)
- 7480 CHINA R.Peking; 1145 CC, nx (Hohnstein)

- 7500 AUSTRALIA VNG Time Station; 0645 time pips, EE anmt (Courtney)
 7520 CLANDESTINE. *1115-1125*; *1130-1140* Soviet stn w/CC px under jammer (Behr)
- 9009 ISRAEL IBA; 0414 EE, nx, wx //7395 (Britton)
 9022 IRAN VoIran; *1958 IS into EE px till 2030 (Britton, Wala)
 9375a UNID. 1116-1150* RR, several ID's "Govorit _ _ _" (not Moskva), s/off w/anthem (Jones)
- 9455 N.KOREA R.Pyongyang; 1320 EE ID, mx, talks (Monroe) / (Fino)
 9455 EGYPT R.Cairo; 0135-0150 OM & YL in AA talks, chants, mixed mx
 9460 CHINA R.Peking; 1015-1025 EE, nx (Hohnstein) / Britton
 9475 EGYPT R.Cairo; 0200-0330 EE px to NoAmer (Fino, J.Davis, Monroe,
 9480 ALBANIA R.Tirana; *2030-2100* EE, nx, talks, into FF 2100 (Robins)
 9490 ALBANIA R.Tirana; 2045 EE, cmntry (Erbrecht-Morocco)
 9495 ISRAEL IBA; 1853-1945* EE, ID, nx, cmntry (Britton, Courtney, Wala); 0245 IS, RR ID (Veidt)
- 9500 USSR Magadan; 0600 RR, Moscow relay, occasional lcl ID's (J.Davis)
 9500 USSR R.P.&P.; 0150-0200 SS, ID, talks about Chile into R. Moscow IS and SS RM px (Fino)
- 9500 E.GERMANY RBI; *0000 IS, into SS px under R.Peking carrier (Estes)
 9505 JAPAN NHK; 1100-1115 EE, nx, features (Brunner, Britton); 1218-1225 JJ talk (Earhart)
- 9505 DOMINICAN REP RTV Dominicana; *2200-0220 SS, Piano IS, nx, mx, talks (Wootten, Brookwell, Robins, T.Smirh, Trautschold)
- 9510 VENEZUELA R.Barquisimeto; 1140-1240 SS, nx, pop mx (Earhart, Wootten); 0230 under BBC, poor (Trautschold) / J.Davis, Britton, T.Smith)
 9510 ASCENSION ISLAND BBC; 0000-0415 EE, nx, mx, features (Brookwell,
 9515 LIBERIA VOA Monrovia; 2215 EE, "Making of a Nation" px (Robins)
 9515 TURKEY TRT; 1730 TT ID by OM "Burisi Turkiye'nin Radyosu" lcl mx, good signal wiping out XEWW (Robins)
- 9520 DENMARK R.Denmark; 0000 EE ID into Danish (Brunner, T.Smith, Fino)
 9520 USSR R.Moscow; 0245 EE, Anti-Ford talk (Trautschold)
 9520 PAPUA/NEW GUINEA VLT9 National Radio; 0750-0800* EE, "Listener's Corner" px (Herbold) /Ebrecht)
- 9525 CUBA R.Habana; 0710-0735 EE "Voice of Vietnam" px (Britton,
 9525 S.AFRICA Radio RSA; *2100-2136 EE, ID, nx, mx (Creamer, Brunner)
 9525 POLAND Polish Radio; *2200 IS noted weakly under AIR (Estes)
 9525 INDIA AIR; 2115 EE, "Mystery Magazine" px (Ebrecht-Morocco)
 9535 SWITZERLAND SBC; 2119, EE talk on rescue work (Martin); *0145-0155 EE, "Dateline" px (Brunner); 0325 FF talks, alpine mx (J.Davis)
- 9530 LITHUANIAN SSR R.Vilnius; 2248 EE, talks. Poor. (Martin)
 9530 SPAIN RNE; 0247 SS, ID, mx, talks (Trautschold)
 9540 CZECHOSLOVAKIA R.Prague; 0030 EE, mx (Wala); 0325 EE talks (J.Davis)
 9540 NEW ZEALAND NZBC; 0750-0800 EE, Nixon resignation cmntry (Zilmer, Earhart)
- 9545 W.GERMANY DW; 2000 AA mx, this not Beirut (Estes)
 9550 PERU R.Nacional Tumbes; 0038-0047f/o SS, flute mx ID's (Schnabel)
 9560nf CHILE LV de Chile; New freq for multi-lingual xmsns; 2215 EE, 2250 AA; 0000 II; 0010 FF; 0030 EE; 0230 EE; 0930 GG; 0940 II; 1000 FF; 1020 EE; 1040 SS; //15150, poor modulation, usually covered by HCJB after s/on (Zilmer, Wala, Wootten, Brooks, Behr)
- 9560 PERU R.Nacional; 0315 SS, talks under HCJB, ID noted (Veidt)
 9560 E.GERMANY RBI; 0330 EE ID under HCJB (J.Davis)
 9560 ECUADOR HCJB; 0300-0330 EE, rel px (J.Davis, Britton)
 9570 CHILE R.Portales; 1100 SS, talk, mx, ID but no mention of "Diego", covering RA 8/22 (Zilmer)
- 9570 AUSTRALIA RA; 0740 EE, mx, ID (Earhart); 1144 EE, "World of Music" px beamed to Asia (Wootten)
 9572 CHILE Em Diego Portales; SS, rapid anmts by OM, ID's, mx (Robins)
 9575 ITALY RAI; 0100-0120 EE, nx, cmntry //11810 (Changes to 6010 9/1) (Wootten)
- 9580 AUSTRALIA RA; 1123-1235 EE, talks, stock mkt reports //7295nf (Wootten, Brunner, Britton)
- 9580.6-82v NICARAGUA R.Mar; 1309 SS, ID's vocal mx (Robins, A.Miller); with election returns past 0530 (Behr)
 9585 JAPAN NHK; 1200 EE nx to Europe (Zilmer)
 9585 BRAZIL R.Nac de Sao Paulo; 0945-0955 PP, ID, mx, talks (Earhart)

USA
 Park City

- 9590 NETHERLANDS ANTILLES R.Nederland; 0105 DD px, EE ID (Fino)
- 9590 NICARAGUA R.Mar; 1330 SS, drifting again, liable to be anywhere between 9580 and 9595 (Brooks)
- 9595 BRAZIL R.Sociedade da Bahia; 0010 PP, political speech (Zilmer)
- 9600 MEXICO R.Universidad; 1235 SS, LA mx, ID (Behr); 1430 nx, (Robins)
- 9605 W.GERMANY DW; 0259 GG, mx (Trzaskus)
- 9605 VATICAN Vatican Radio; 0118 EE, rel cmntry, mx (T.Smith)
- 9605 JAPAN NHK; 1055-1104 SS/PP px to LA (Earhart)
- 9605 PHILIPPINES VoA; 1330 nx in SEA lang (Hohnstein)
- 9605 SARAWAK RMS; 0600 EE ID, nx, cmntry (Monroe)
- 9625 CANADA RCI; 1700 EE, nx, mx (Brunner); 0100 EE ID, anmts (Fino); 0335 EE px (J.Davis)
- 9630 SPAIN RNE; 0030 SS, talks about Chile (Fino)
- 9635 COLOMBIA R.Nac; 1100 SS w/EE lang lesson (Zilmer)
- 9640 S.KOREA R.Korea; 1100 EE, nx, cmntry (Zilmer)
- 9640nf BELGIUM RTB; 2255-2315 EE "Belgium Speaking" px. Test freq, replaced 9655 for a few weeks (Zilmer, Earhart)
- 9645 NORWAY R.Norway; 0000 EE, "Norway This Week" px (Brooks); 0415 EE, ID, px about Norway (Herbold, Monroe)
- 9645 COSTA RICA TIPC; 0315 SS, grammar lesson (Brookwell)
- 9645 BRAZIL R.Bandeirantes; 2300 PP, sports under Norway (Zilmer)
- 9648 GUINEA (Rep) Rdiff Nationale; 2130 FF/lang, mx (Zilmer)
- 9650 USSR R.Moscow; *1800 SS to Europe (Robins) / (Behr)
- 9654t THAILAND R.Thailand; 1200 Asian talk and light mx, 1228 bells IS
- 9655 BELGIUM RTB; 2255-2315 EE, DX px (Brunner, Zilmer, Brookwell)
- 9655 RUMANIA R.Bucharest; 1950-2030 EE, cmntry on Mid-East (Mayer)
- 9655 SYRIA R.Damascus; 2045-2100* EE, pop mx, ID's, brief nx (Robins)
- 9655 USSR R.Moscow; 0001 EE nx, cmntry //12070 (Wootten)
- 9660 ANGOLA A Voz de Angola; 1555 PP, sporting event via LP (Hill)
- 9660 VENEZUELA R.Rumbos; 1202 SS, news items (A.Miller); 0330 SS, nx ads, ID's (Fino)
- 9662 ZAIRE LV du Zaire; 0310-0340 FF, mx, anmts//7115 QRM Rumbos (Hill)
- 9670 PORTUGAL VoHope; 2120 EE ID, rel px in lang (Zilmer)
- 9673 USSR R.Moscow; 0400 EE "Mail Bag" px (Martin)
- 9675 LEBANON R.Lebanon; *0230-0300* EE, nx, pop mx (Oliver)
- 9675 POLAND Polish Radio; *0200 EE, nx, mx (Ricchezza)
- 9680 USSR R.Moscow; 0350 EE, cmntry (J.Davis)
- 9680nf ECUADOR HCJB; 0930-1000 talk in unid lang, vocal mx, SS ID 1000, into PP px (Cress) Hadley, per infro direct from HCJB, the lang is Quechua from 0900-1000 //11745 & 6080 - MRL
- 9685 CHINA R.Peking; 1700 RR ID bad het (Veidt)
- 9690 PAKISTAN R.Pakistan; 1325 EE ID, talk (Monroe)
- 9690 RUMANIA R.Bucharest; 2100-2130* EE, nx, cmntry (Zilmer, Monaco)
- 9690 ARGENTINA RAE; *0300-0400* EE, mx, features (Talbot, Britton, Fino)
- 9690 W.GERMANY DW; *0130-0235* EE, ID, nx, mixing w/RAE (Fino)
- 9695 BRAZIL R.Rio Mar; 2130 PP, talks, mx (Zilmer)
- 9695 GRECE VoA Kavala; 0310 EE, "Breakfast Show", QRM Moscow (Brookwell)
- 9700 BULGARIA R.Sofia; *0000-0057* EE, nx, cmntry (Wala, Jones); 0415 EE, DX px (Britton)
- 9700 USSR R.Moscow; 0350 EE, music and comment (Britton, Courtney)
- 9705 MEXICO XERMX; 1350-1402 SS, mx, ID, OM & YL talks (Earhart)
- 9705 INDIA AIR; 1141 EE, lcl nx, wx in detail (A.Miller)
- 9710 S.AFRICA Springbok Radio; 1400 Afrikaans, ads, songs (Mayer)
- 9715 HOLLAND R.Nederland; 2128-2210 EE, nx, features (Trzaskus, Britton)
- 9730 E.GERMANY RBI; 0245 EE, ID, comment (Monroe)
- 9735 W.GERMANY DW; 0040 GG, talks, mx (Trzaskus)
- 9740 CZECHOSLOVAKIA R.Prague; 0340 EE ID, talks (Monroe) / Britton)
- 9745 IRAQ R.Baghdad; 1930-1958 EE, ID, AA Type mx, talks (Veidt, Martin)
- 9745 CANADA DW Sackville relay; *0400 GG px (J.Davis)
- 9745 ECUADOR HCJB; 0400 EE under DW (J.Davis)
- 9745 MALTA DW; 0118 GG ID, EE ID asking for reports (A. Miller)
- 9750 VENEZUELA R.Occidente; 0100 SS, IS, mx //3225 (Brooks)
- 9750 CHILE R.MINERA; 1100 SS, talk and mx (Zilmer)
- 9750 ALBANIA R.Tirana; 0115 EE, nx, cmntry, mx (Ricchezza)
- 9760 ECUADOR HCJB; 0755 EE, rel px (Earhart)
- 9765 W.GERMANY DW; *2055 IS, EE ID, nx QRM VoA (Monaco)

- 9765 ASCENSION ISLAND BBC; 0159 SS, talks, US rock mx (Trzaskus)
- 9770 HAITI 4VEH; 1130 EE nx (Wala); 1600 EE rel px (Martin)
- 9770 AUSTRIA ORF; *0130-0153* EE,nx,features(Monroe,Ricchezza,B'well)
- 9770 USSR (Unknown Far East site); *2200-0700+ w/HS in RR. Carries program I (B. Davis)
- 9780 USSR (Unknown Far East site); *2230-1400* RR HS (B. Davis)
- 9780 ALBANIA R.Tirana; 0104-0128* SS, nx, political talk (Fino)
- 9800 USSR R.Moscow; 0415 SS, ID,OM with nx (Brookwell)
- 9800nf USSR (Unknown Far East site) *1600-2230* RR HS px, winter freq for station that has been on 11900 this Summer (B. Davis)
- 9805 EGYPT R.Cairo; 2210-2257 EE, AA mx,nx(A.Miller,Earhart,Veidt)
- 9810 USSR (Believed to be Khabarovsk); *2300-0600* RR HS px I(B.Davis)
- 9810 USSR (Asian); 1135-1400* RR anmts,pips,ID // 9500 (Robins)
- 9815 ISRAEL IBA; *1900-1945* EE, ID,"Sunday Magazine"px (Monaco,Brooks,Courtney,Wala,A.Miller); 2100 talks (Zilmer)
- 9825 ENGLAND BBC; 1940 AA, mx,drama (Earhart); 0045 ID,ID in lang(Veidt)
- 9833 HUNGARY R.Budapest; 0110 EE, nx (Jones); 0415 EE,talks,mx (Monroe,J.Davis,Britton)
- 9860 CHINA R.Peking; 1712 EE nx by YL (Veidt)
- 9912 INDIA AIR; 2200 EE nx to UK //11620 (Zilmer)
- 10000 USA WWV; Re Dexter report Sept LR, ancmt applies to WWVH only, anmt still being given 4 & 32 min past hour WWV and 31 & 3 min past hour WWVH. The power was cut as stated (Rudman)
- 10040v N.VIETNAM VoV; 1018 EE, cmntry (Britton)
- 10110 CLANDESTINE R.Espana Independie te; SS talks (Zilmer)
- 10237 USA VoA Greenville; 2000* over modulated album cuts 1943 9/4; 1959 "This is the Voice of America transmitter operating point to point in the fixed service" and off. Had sounded rather like a pirate! (Hauser) / (B.Davis)
- 10245 CHINA R.Peking; f/i 1400-1730* CC HS px I. Weak//11290,11330
- 10260 CHINA R.Peking; f/i 1500-1600* CC HS px II. Weak (B.Davis)
- 11495 USSR R.Moscow; 2100 mx, IS, time pips,YL talks in lang (Veidt)
o o o (M.R. Leonhardt 9/25/74)

CREDITS LR-B took a while to get here, so "B" section credits are added below, except those listed on the credit page.(DF)

William C. Alder, San Antonio, TX, Lawson Booker, Columbus, Ohio, DX150B, John Creamer, Denver, Colorado, SW4A, Kurt Cox, Kalamazoo, Mich, SK190, Bill Davis, Laguna Niguel, CA, Agnès Herbold, Lynwood, CA, SK190, Ed Martin, Providence, RI, XCR30, Match Rudman, Cherry Hill, NJ, George Schnabel, Rochester, NY, SW4, Bruce Veidt, Grimshaw, Alberta, SK190.... Our thanks for your reports.

THE BARLOW WADLEY XCR30 Pursuant to the note last month regarding obtainability of the XCR30, Perry Ferrell informs that Gilfer Associates, Box 239, Park Ridge, NJ 07656, is the exclusive importer of the XCR30. It is available only from GILFER, at \$260, and that price includes duty charges. Perry further advises that the manuals are available in this country only from Gilfer Associates.

Member ad For sale, 30 issues of SPEEDX, July 1971 - Dec 1973, \$10. Assorted SWling books \$8, all in excellent condition. Andy Pappas, 11421 S.Maplewood Ave., Chicago, Ill. 60655.

NOTICE Just a reminder that material for the Shortwave Center which you mail after October 21, 1974, should be sent to HDQ. This arrangement will hold until Ed Shaw is relocated to his new California address(which is, as yet, unknown).

ARTICLES on stations, technical subjects, etc., continue to be needed for the SHORTWAVE CENTER. Also needed are QSL illustrations for FRENDEX.

DXPEDITIONS AND REPORTING Quite some time back Ed Shaw and I, and some others began using various devices to indicate loggings made while on DXpeditions. E.g., we used "MCDKA"(Mountain Creek DX Association) to designate loggings made at a farm on Mountain Creek, near Beckley, W.Va. ROM was used for loggings made at Red Oak Mountain in Virginia. These designations were used only in circumstances which were different from our normal receiving locations, and where items were generally jointly logged.....In normal receiving locations individual DXers should submit their own reports, and list their names after each item. There have been some cases recently where a group credit was used to cover loggings from a normal, usual receiving location, or from more than one location. We ask that, rather than a group credit, the individual who logged the item be credited - that will let other know who heard the station. Use the group credit for DXpeditions, please. Thanks.

- 11605 USSR RM Mayak HS; 2200, IS, ID, poor (Mayer 8-13)
 11620-22v INDIA AIR; 2150-2215 EE, ID, nx, tlks, fair-poor (Courtney 8-18, Zilmer 8-24)
 11672 PAKISTAN RP; 2000, 2035 Lang/EE, EE nx, ID, P-F (Mayer 8-13, Robins 8-25)
 11685 CHINA RP; 1200-1245 EE, tlks abt. Lin Pao, nx, P-G (many)
 11690 USSR RM; 0456 SS, tlk, bels, mx, ID, fair (Veidt)
 11700 ISRAEL IBA; 1910 EE, two men discussing Nixon, fair (Miller 8-15)
 11705 FRANCE ORTF; 1753 FF, FF variety px, poor (Miller 8-24)
 11710 ARGENTINA RAE; 2324-2335 EE, ID, folk mx, tlk, g (Brunner)
 11710NF CANADA RCI; *0100 EE to NA, nx, //9655, 6085, good (Courtney, Zilmer 9-2)
 11710 AUSTRALIA RA; 1130-1145 EE, nx, mx, //9580, excellent (Brunner)
 11710 SWEDEN RS; *1400 EE, nx, good (Ricchezza)
 11715 ALGERIA RTVA; 0957-1018 AA, mx, chants, fair (Earhart 8-14)
 11720 CANADA CBC; 1350 EE, Northern Service, tlks, good (Wooten 8-27)
 11725 VATICAN VR; 0015 PP, tlks by M&W, little mx, ID, 0025*, (Miller 8-23)
 11730 MALAGASY REP RN; *2000-2120* EE, pops, features, nx, good (Walsh, Jones, Keller, Behr, since 9-1)
 11735 MOROCCO RTM Tangier; 2330 AA mx under RM, poor (Robins 8-13)
 11740 VATICAN VR; 0530-0545 Latin, mass, fair (Earhart 8-26)
 11740 ECUADOR HCJB; 1427 EE, gospel mx, good (Ricchezza)
 11750 VENEZUELA R Nac; 0037, 0130 EE, 0100-0152* SS, SS mx, fair (Behr, Miller, Creamer)
 11755 USSR far east site; winter replacement for 15100 px to WNA, 0530-0730, usually good (B. Davis)
 11760 CUBA RHC; 1430 SS, 0405 EE, mx and usual cmntry, fair-good (Ricchezza, Britton)
 11770 USA WYFR; 2020 EE, Back to God Hour, (Ebrecht-Morocco)
 11770 USSR R Kiev; 0030-0045 EE, nx, tlks, good (Brunner)
 11770 NIGERIA VoN; *1800-1810 EE, IS-talking drum, ID by M, EE nx, (Mayer)
 11775 SPAIN RNE; 1315-1330 SS, nx to LA, some mx, fair (Earhart 8-19)
 11780NF BRAZIL R Nac; *2100 EE, 2200-2232* PP, IS, fair (Mayer 9-1, Behr 8-22, Tobin)
 11785 UNID; 0500 DD nx, mx, to past 0545, no ID, good 8-19, who, (Behr)
 11790 INDONESIA VoI; 1115-1135 EE, nx, mx, IDs, poor-fair (Brunner)
 11790 AUSTRALIA RA; 1115-1135 EE, Waltzing Matilda IS, ID, nx, stock mkt, (Earhart 8-14) (It do seem as if the two above represent a problem, are they both on same time?)
 11795 MALTA DW; 2105 IS, GG/EE ID, ask for reports, then into AA px, fair-good, (Robins 8-22, Ricchezza)
 11797.5 ALGERIA RTVA; 2130 AA px on 8-18 only, on 11808v next day, (Behr)
 11800 ITALY RAI; 1930 Bird Chirp IS, 1935 nx, QRM de RNE, good (J. Davis 8-12)
 11800 SRI LANKA SLBC; 1418 Lang, hindi mx, 1705-1730 same, 0135 Hindi, local mx, to 0200, fair (Hauser, Veidt 8-27, Mayer 8-28)
 11800 CANARY IS RNE; 1845 IS, *2000, 0100 SS, IDs, mx, tlk, F-G (J. Davis 8-12, Jones)
 11805 BRAZIL R Globo; 0130, 0205, 0230 PP, tlks, mx, ID, P-F (Zilmer 8-22, Brookwell, Robins 8-7)
 11810 INDIA AIR; 1338 EE, ID, mx, tlk, (Monroe)
 11810 ITALY RAI; 0106 EE, ID, nx, into FF at 0120, fair (Jones 8-19, Monroe)
 11810 ALGERIA RTVA; AA mx, chants, f/o (Veidt 8-9). When? Zilmer 9-1
 11810NF CHILE LV de Chile; *1220-1240 EE, 1240 SS, nx, cmntry, //15150, P (Mayer 8-25, /
 11815 JAPAN NHK; 1925 JJ, very good (J. Davis 8-12)
 11815 NETH ANT TWR; 1210 EE, DX px, good (Britton 9-8)
 11820 MEXICO XEBR; 1615 SS, singing ID, ads, mx, poor-fair (Robins 8-13)
 11825 TAHITI RT; 0402 Tahitian, ID, mx, tlk, fair (Jones 9-3)
 11830 USSR RS Rodina; 1407 RR ID, heavy mx, poor-fair (Robins 8-28)
 11835 SRI LANKA VoA; 1330-1400, EE ID, tlks, nx, QRM, F-P (BCDXA-Agner, Monroe)
 11835 HAITI R 4VEH; 1230-1300 EE, childrens rel px, (Talbot)
 11840 PORTUGAL R Nac; 0055-0115 SS, 0300 EE, ID, tlks, fair (Fino 8-10, Monroe)
 11840 GERMANY (DR) RFI; 0345 EE, ID, fair (Creamer 8-9)
 11845 VATICAN VR; 0100 SS to EE, 0115 EE to FF, rel tlks, F (Monroe, Fino, Brookwell)
 11850 USSR Far East site; winter replacement for 17880 to WNA, *0300-0730*, usually good by s/off; winter replacement for 17865 CC svce, *2300-0230*, weak (B. Davis)
 11850 MALTA DW; 1905 IS, into AA px, *0920 EE, IS, nx, fair w/QRM, (Robins 8-9, Hohnstein.
 11855 BELGIUM RTB; 2255-2315 EE, Belgium Speaking, //9640, QRM de WYFR at 2300, fair (Wooten 8-26, Zilmer 8-25)
 11855 CANADA RCI; *1830-1914 EE, *1915 FF, //15325, to Africa, G (J. Davis, Monaco 9-8)
 11855 ECUADOR HCJB; 0645 EE ID, SS to Eu, good (Creamer 8-15)
 11860 NORWAY RN; 1820-1830*EE, tlk abt. Sea Law Conf., ID, IS, fair (Monaco 9-8)
 11865 BRAZIL RC Pernambuco; 2112 PP, ID, singing ads, pops, fair (Miller 8-30, Zilmer)
 11865 USA VoA Dixon; *1400 EE ID into CC px, very good (Robins 8-17) Martin
 11865 MALTA DW; 2240, 2330-0000, 0330 EE/GG IDs, GG px, F-G (Brunner, Creamer, Robins, /
 11870 SWITZERLAND SBC; 2110-2130 EE, reporters notebook, 2130 GG, good (Brunner)
 11875 ANGOLA Nat. R; 1442 EE, 1507 FF, ID as National Radio Station of Angola, mx, nx, fair (Herbold 8-14)
 11875 ITALY RAI; 1450 FF, tlks by YW, IS, 1455*, poor (Miller)
 11875 JAPAN NHK; 1300 JJ, tlk, fair (Jones 8-17)
 11880 TURKEY VoT; 2200, 2115, 0100 EE, ID, nx, cmntry, some special px during Cyprus invasion, some QRM possibly from R Tricolor, good-poor (many)
 11880RF MEXICO R Tricolor; Reactivated on SW since at least 8-17, 1400-0200 SS, mx, ads, IDs, mentions of MW outlet but no mentions of SW, //15110, fair-good (many)

- 11900 S AFRICA RSA; 1300 EE, nx, sports, fair-poor (Jones 9-2, Britton 8-25)
 11905 USA KGET; 0650-0700*, rel px, good (Creamer 8-20)
 11905 GERMANY (FR) DW; *2200, IS, into PP, fair-good (Robins 8-27)
 11905 ITALY RAI; 2158, IS under DW, poor (Robins 8-27)
 11915 ECUADOR HCJB; 0130-0150 EE, DX party line, excellent (Brunner)
 11920 IVORY COAST RTVI; 2040 local lang, tlk, mx, fair (Miller 8-30)
 11925 GERMANY (FR) DW; 1410-1422* GG, nx, "Biergarten mx", (Tuchscherer 8-28)
 11925 SPAIN RNE; 0100-0140 EE, nx, mx, guitar concert, VG (Brunner, Tuchscherer 8-16)
 11925 BRAZIL R Bandeirantes; 2315 PP, sports, //9645, poor (Zilmer 9-1)
 11925 UNID; 0950-1032 FF, modern french ballads, no ID, time beeps, F-P (Earhart 8-19)
 11930 OKINAWA VoA (Listed); 2200 FF, nx over RHC, VG (J. Davis 8-9)
 11930 CUBA RHC; 0115-0130, EE PO Box 7026 px, 0345 EE VoV px, good (Brunner, Britton)
 11935 PORTUGAL R Nac; 0345-0415 EE, nx, tlks about Africa, pops, F-G (Fino, Britton)
 11935 BRAZIL RC de Paranaense; 2325 PP, sports, slow tlk for a change, fair (Zilmer 9-1)
 11940 USSR RP&P; 1330-1335 FF, IS, ID, tlk by M, Tuchscherer 8-31)
 11940 LIBERIA ELWA; 2042-2058* EE, nx, good (Wala 9-7)
 11940 ROMANIA RB; 2323 PP, 0400-0425* EE, ID, tlks, fair (Brookwell 8-6, Creamer 8-11)
 11945 SPAIN RNE; 0230 SS, not //11925, strong, (Brookwell 8-4)
 11950 BRAZIL R Ministerio Educacao; 0100 PP, tlk, fair (Zilmer)
 11950 LIBERIA ELWA; 0705-0714*, 2015 EE rel px, 1945 EE ID into Ibo, fair-poor (Mayer 8-30, Courtney 8-18, Miller 8-30)
 11950 HOLLAND RN Lopik; 2140-2233 SS, music, tlks, Happy Sta px, fair (Fino, Earhart 8-2)
 11955 SWEDEN RS; 0245-0300 EE, Swedish lang lesson, good (Monroe, Brunner)
 11955 USA KGET; 1412-1440 SS, tlks, nx, short mx, fair (Earhart 8-22)
 11955 ETHIOPIA ETLF; 1330 EE, //15245, poor (Britton 9-10)
 11955 USA VoA Greenville; 2310-2350 PP to Brazil, tlks, songs, fair (Fino 8-6) Earhart)
 11965 LEBANON RL; 0230-0300 EE, 0300-0310 SS, ID, tlks abt mx, mx, F-G (Monroe, Creamer, /
 11965 FRANCE ORTF; 0016-0030 PP, amts, mx interlude, QRM RHC, fair (Fino 8-7)
 11970 CUBA RHC; 1435 SS, tlk, mx, poor (Ricchezza)
 11975 USSR R Vilnius; SS at 0330, usual tlks, ID, good (Brookwell 7-31)
 11990 CZECHOSLOVAKIA RP; 0118, 0305 EE, nx good (Britton, Alder); 1142-1158* Czech, ID as Prague Interprogram beamed to NA also, poor (Earhart 8-14) Zilmer)
 11990 CANADA CBC; 2200-2230* EE, amts, nx, cmntry, No & Armed Forces Svce, good (Fino, /
 12000 ISRAEL IBA; 1915 -1930 EE mag px, //12025, 9815, 9495, all good (BCDXA-Rogacki 8-29)
 12010NF BRAZIL R Nac; 0255 PP, tlks, "Panorama" px, no mx, 5 dot TC, good (Brookwell 8-25)
 12012h COSTA RICA R Reloj; 0310, 0456 SS, ID, mx, sports event, 2x6006, F-P (Brookwell, Veidt 8-15). Sometimes can be heard when fund. is buried in QRM.
 12015 CHINA RP; 1215 CC, nx, fair (Hohnstein 8-16) Earhart)
 12025 ISRAEL IBA; *1900-1945* EE, nx, features, F-P (Veidt, Courtney, Zilmer, Wala, /
 12034.3NF N VIETNAM VoV; 1315 EE, poor (Hohnstein)
 12040 ENGLAND BBC; 2225 EE, US r&r mx, Falkland Is. svce, fair (Courtney 8-18)
 12200 USA VoA; 1845 RR, AM feeder, very good (J. Davis 8-9)
 12370h USA VoA Dixon; 1520 EE, //6185, 2nd harmonic, strong (Hauser 9-4)
 15060 CHINA RP; 0011, 0125 EE, rel tlk, mx, //15520, 7120, poor-fair (Martin 9-7, Courtney 9-2)
 15070 ENGLAND BBC; 1330, 2230 EE, pops, DX px, fair (Ebrecht-Morocco, Britton)
 15080 CHINA RP; 0135 CC, tlks by M, good (Robins 8-18)
 15084 IRAN RT; 1810 Farsi, mx, tlk, good (Britton)
 15100 ISRAEL IBA; 1900 EE, 2055 RR, IS, nx, //15490, poor (Robins 8-21, Zilmer 8-31)
 15105NF USSR Far East, probably Vladivostok; *0200-0630* CC svce, good during second half of each hour when R Japan is off, (B. Davis) Courtney)
 15105 JAPAN NHK; 2020 JJ, 2115 EE, *2200 EE, nx, tlks, fair (Robins, Creamer 8-25, /
 15110RF MEXICO R Tricolor; reactivated on SW //11880, ads, good Mexican mx, (many)
 15110 NEW ZEALAND RNZ; 0325-0335 EE, mx, tlks, pops, fair-poor (Zilmer, Britton 8-31)
 15110 USA WYFR; 1445 EE, rel tlk, mx, fair (Miller 8-25)
 15115 ECUADOR HCJB; 0100-0132 EE, rel mx, tlks, TC, good (Trautschold, Martin 9-1)
 15115 CHINA RP; 0250, International at 0255, good (Robins 8-2)
 15120 SRI LANKA SLBC; 0200-0235 EE, nx, ads for Indian mags, F-G (Zilmer 8-18, Robins)
 15120 FRANCE ORTF; 1502-1504 EE nx, daily ex Sun., FF mx, good (Ricchezza)
 15125 MEXICO R Mex, 0110 SS, Mexican vocals, ID, good (Trautschold 8-26)
 15130 SPAIN RNE; 1440-1500*, SS, SS mx, strong (Earhart 8-29)
 15130 CZECHOSLOVAKIA RP; 1615 EE, cmntry, poor (Britton 8-25)
 15140 SWITZERLAND SBC; 1320 EE, "Drop-in" px, fair (Britton 9-7)
 15145 BRAZIL R Jour do Comercio; 2100 PP, tlks, fair (Zilmer 9-1)
 15145 SPAIN RNE; 2258 SS, SS pops, nx, good (Trzaskus 8-9)
 15150 ECUADOR HCJB; 2219 SS, 1520 SS, tlks, mx, fair-good (Wootten 8-26, Ricchezza)
 15150 CHILE LV de Chile; 1220, 0030 EE, fair //9560, F-P (Wala 9-2, Zilmer 8-25) Earhart)
 15155 FRANCE ORTF; 1143-1201 FF, 1040-1102 EE, ID, speeches, cmntry, fair (Brunner, /
 15155 S AFRICA RSA; 1457 Swahili, tlks, fair, QRM de ORTF & ORF, (Wootten 8-18)
 15155 CUBA RHC; 2030 EE, mx, contest amnt, features, good (Martin 9-8, Ricchezza)
 15160 USA VoA Bethany; 0118 PP to LA, tlk, ID, LA mx, good (Trautschold 8-26)
 15160 AUSTRALIA RA; 0315 EE, stock market, poor (Zilmer 8-19)
 15165 DENMARK RD; *1358, *1600 EE ID, Danish tlks, fair-good (BCDXZ-Rogacki, Britton)
 15170 TAHITI RT; *0245-0345 Tahitian, FF, EE nx bulletin about Nixon resig., fair-good (Miller, Britton 8-31, Wala 8-9)
 15170 GERMANY (FR) RFE; 0200 Bulgarian, tlk, US pops, fair (Trautschold 8-26)

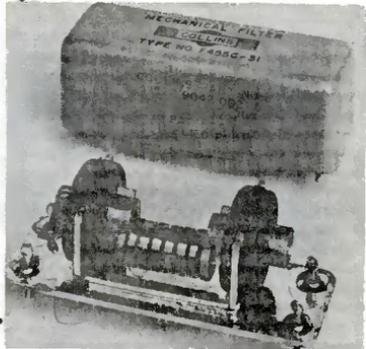
SOME CAVEATS ABOUT MECHANICAL AND AUDIO FILTERS

Final Part III in a Series

by Harry Helms

If one can honestly consider electronic gear as having charisma, then audio and mechanical filters certainly have it! These devices have captured the imagination of many DXers who desire better selectivity. But in many cases these devices are far from the miracles desired by the purchasing DXer, and in fact may be wastes of his money.

Let's look at mechanical filters first. These operate in the i.f. section of the receiver, and are based upon the principle of converting electrical energy to mechanical energy and back to electrical energy again. The energy conversion is accomplished by input and output transducers, and the selectivity is supplied by a mechanically resonant filter section composed of metal discs connected by thin rods. Each mechanical filter has the transducers and the metal disc filter section. The main advantage of a good mechanical filter is that the shape factor can very closely approach the 1:1 ideal mentioned last month. Tuning a receiver with a good mechanical filter is quite an experience. Signals literally "pop" in and out as the receiver is tuned. There is very little of the



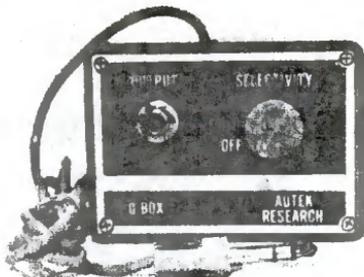
gradual build-up and decline of signals one finds on most other receivers. As one tunes the dial, there is silence, and then - - zap!, there it is... and the tune-out is equally abrupt. The signal just disappears! Adjacent channel selectivity and "splash" reduction is remarkable. Carefully note that these performance characteristics apply to good mechanical filters. A good filter often will have as many as seven or eight metal discs in the mechanically-resonant section. The mechanical filters that one sees advertised as being included in receivers such as the DX-160 and HA600A have only two discs. The SX-190 receiver has two of these filters in cascade which will give better performance. However, the characteristics of these filters are nowhere near the better mechanical filters such as the Collins illustrated above. If the DXer thinks that he will have premium selectivity from an inexpensive receiver equipped with a mechanical filter, he is wrong! This is not to imply that receivers mentioned do not have adequate selectivity for many, if not most, DXing purposes. However, one is simply not going to get a 2:1 shape factor from these units! Saying that a receiver has a mechanical filter is a bit like saying one has a car in his garage - - - what kind of car? A Mercedes-Benz or a Rambler?

One often hears of modifying receivers to include mechanical filters. Popular Electronics magazine carried a "How to do it" article on this several years ago, and the National Radio Club has reprints available on how to install such filters in the Hammarlund HQ-180 receiver. Sources for mechanical filters have dwindled to hard-to-find status. Generally, they are still available, but quality units such as the Collins are expensive. Is the effort to modify a receiver with mechanical filters worth the trouble? Certain receivers, such as the better quality Hammarlunds, benefit greatly from the change. But, it must be remembered that mechanical filters introduce a great deal of gain loss, and the receiver must be sensitive enough to compensate or one will have to install an external source of amplification before the filter. Also, the old analogy about putting a racing engine in a model T chassis must be remembered. If the receiver is inadequate to begin with on several counts (sensitivity, stability, cross modulation, overload, etc.), then addition of a mechanical filter may only compound a bad situation. Finally, the physical work of installation is not an easy or casual task.

There are several other ways of adding selectivity to a receiver, such as addition of a Q-multiplier or the old "Q-5er" method, both often quite effective. The ARRL Radio Amateur's Handbook has details on these methods.

(Continued from preceding page)

Audio Filters are devices attached to the output of a receiver's audio section and work by rejecting audio frequencies above and below a certain range. The selectivity figures one sees for these devices are in terms of audio, not radio, frequency bandwidths. Thus, 30 Hz selectivity with an audio filter refers to a 30 Hz range of audio frequencies centered around a single frequency, say 800 Hz. In this example, the filter attenuates all audio frequencies not in the range of 700-830 Hz.



Audio filters are primarily designed for CW and they do not perform well when used for voice communications. A CW signal is one beat note, say 800 Hz, and thus it is possible to design a filter of relatively narrow bandwidth centered around that relatively high audio frequency that can give good results on CW. On the other hand, the human voice embraces quite a broader range of frequencies than the single CW beat note. Most voice communications systems use a range of approximately 200 to 2500 Hz. We can afford to sacrifice the higher audio frequency ranges and retain intelligibility. The audio ranges we want are about 200-400 Hz, well below the 800 Hz or so associated with CW filters. Use

of a high center frequency audio filter may help some on phone, but it will not be nearly as effective as a filter centered on a lower frequency of say, 250 or 300 Hz. A good audio filter can reject static crashes, CW signals of a different beat tone, and "custom tailor" the audio to your personal hearing characteristics. They also have other purposes...for example, the audio from a receiver with a good crystal or mechanical filter is often muffled or bassy. A good audio filter that has selectable center frequencies can be set to a higher center frequency, and thereby act as a high pass filter and restore a degree of "naturalness" to the audio. (Ed. note - again remember that unless adequate sensitivity or external amplification is available to the receiver, there will always be some loss in gain referred to as 'insertion loss' when filters are added on.)

The past two years have brought forth a bewildering variety of audio filters. The important thing to remember is to check on the center frequency on any unit before buying. If the center frequency is relatively high, such as 700 Hz or more, chances are that AM performance will be less than desired. Some audio filters do have variable center frequencies, such as the one described on page 272 of the 1973 ARRL Handbook, and these should be of wider use to the DXer. Several NASWA members are experimenting with various filters, and perhaps they will report on their findings.

This series has had one overriding theme - miracles are seldom found. While it is possible to improve selectivity inexpensively by use of Q-multipliers or other devices, if you want real performance, you usually have to pay real money or invest real effort. It's an old and sad story, but true. -30- Reproduction not authorized without express written permission of the author.

CONSUMER'S REPORT EVALUATES PORTABLES

by Henry Rockwood

Readers might be interested to know that Consumer's Report magazine has been carrying analyses of multi-band portable radios for the past two issues. Thus far, the listings have been limited to the low cost "picnic" type receivers. However, I feel that forthcoming issues may review some of the top line radios. Unfortunately, more attention is given to the "action" public-service bands rather than the short wave bands. By their own admission, Consumer's Union admits they were not interested in testing multi-band portables which did not include the public-service bands. They warned that portables tested were fun receivers - not for serious monitoring. Perhaps a few letters to the magazine might encourage them to take on an occasional big-time portable, or even a communications rig.

Larry Abraham, Bridgeport, MI.....HQ180A
 Mike Agner, Waldwick, NJ.....SX110
 Bill Alder, San Antonio, TX.....
 Ernie Behr, Ottawa, Ontario.....R4B/XCR30
 Bruce Boomer, Nutter Fort, WV.....HQ200
 Bill Britton, Jensen Beach, Florida.....R390A
 Alan Brooks, Oakdale, Connecticut.....DX150A
 Larry Brookwell, Chapala, Mexico.....R4B
 Charles Brunner, Salford, PA.....D7000Y
 Allan Courtney, Lexington, KY.....SX190/DX150B/75A-4
 Hadley Cross, Harrisonburg, Virginia.....R4C/SX190
 Steve d'Adolf, SD.....
 Jim Davis, Travis AFB, CA.....GR64
 Gerry Dexter, Lake Geneva, WI.....HQ180/R4B
 Kenneth Earhart, Allentown, PA.....SX190
 Michael Edelson, Cedar Grove, NJ.....
 Steve Estes, Newport News, VA.....SX190
 Marlin Field, Hillsdale, Michigan.....SX100
 Henry Fino, Rochester, NY.....1936 RCA
 Alan Gaffin, Brooklyn, NY.....
 A. L. Garrou, Boston, Mass.....SX71
 Jim Hagen, Portsmouth, Virginia.....R390A/SPR4
 Glenn Hauser, Enid, Oklahoma.....HQ160
 Dan Henderson, Laurel, MD.....SPR4/SX190
 George Heraghty, Ronkonkoma, NY.....
 William Hohnstein, Lincoln, Nebraska.....SB300
 David Jones, Virginia Beach, VA.....5LS-1
 Jack Jones, Jackson, Miss.....DX150A
 Tony Jones, Paraguay.....XCR30
 Rick Keating, Allendale, NJ.....
 Gladysz Keller, Hinsdale, NY.....DX150
 Jerry Lineback, St. Joseph, Ill.....SPR4
 Chris Lobdell, Reading, Mass.....SW4
 Ed Martin, Providence, RI.....XCR30
 Alan Mayer, Park Forest, Ill.....SB310/DX150B
 Bob McCoy, Lincoln, Nebraska.....DX150B
 Al Miller, Youngstown, Ohio.....HRO500
 Michael Monaco, Bronx, New York.....GE portable
 Morgan Monroe, Sand Point, ID.....HQ150
 Serge Neumann, Pendleton, Ind.....AR88D
 Tom Overcamp, Bladensburg, MD.....SP600/NC98
 Andy Pappas, Chicago, Ill.....R4B, S76
 Bill Paschke, Beloit, WI.....R530
 Carroll Patterson, Decatur, GA.....SW4A
 Mike Peraahe, Chrisholm, Minn.....
 Louis Reno, Atchison, Kansas.....SW4A/SXL22
 Ed Ricchezza, Philadelphia, PA.....SW4A
 Andy Robins, Kalamazoo, Michigan.....SX190/SP600/SX28A
 Daniel Robinson, Swaziland.....SPR4
 Stan Rogacki, Waldwick, NJ.....S40A
 Henry Rockwood, St. Clairsville, Ohio.....9N24B
 Richard Schwartz, Dover Delaware.....SX190
 Ed Shaw, Norfolk, VA.....SP600/SX190
 Todd Smith, CT.....GR64
 Bill Sparks, San Francisco, CA.....R4B
 Kevin Szot, Vacaville, CA.....NC183D
 Larry Talbot, Menomonee Falls, WI.....SB313
 John Trautschold, Menomonee Falls, WI.....SB310
 Rosemary Trzaskus, Chicago, Ill.....S125
 John Tuchscherer, Neenah, WI.....HQ100A
 Phillip Wala, Milwaukee, WI.....S118
 Steve Wallace, Lewiston, PA.....R4B
 Tom Walsh, Quincy, MA.....DX150A
 Charles Wootten, Bethesda, MD.....R390/T.O.

HEADQUARTERS NOTE

We are few pages shorter than usual this month. We should be back to regular size next month, with full sized QSL REPORT, and with the DX season in full swing we should have a rather extensive Log Report. Be sure to send your reports to the correct editors...Check the section for any recent changes before mailing your reports. Thanks.

Thanks, gentlemen. DF

We've had several inquiries about the possibility of NASWA designing and making available a club SWL card, and report forms (rather than the guides previously available and currently being revised) in Spanish, French and Portuguese, as well as English. We'd like to get some idea as to just how popular such would be. If you are interested and would order some if they were made available, drop a note to HDG & let us know.

73 from

NASWA

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So. Charleston, W. Va. 25303

Address Correction Requested



NASWA's FLASHSHEET is compiled twice monthly and mailed separate from FRENEX. FLASHSHEET EDITOR is AL NIBLACK, 420 SHELBY STREET, VINCENNES, IND. 47591. All reports for FLASHSHEET go directly to Al, not to HDQ.

FIRST CLASS

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