

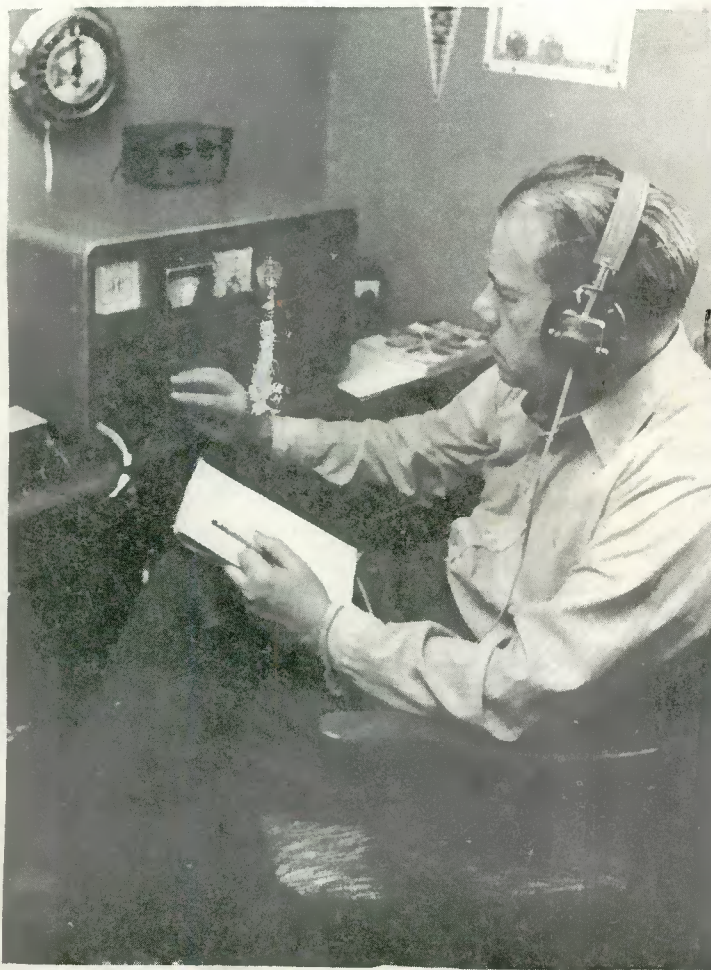
F R E N D X

The SHORT WAVE BROADCAST Journal - Since 1962

NORTH AMERICAN SHORTWAVE ASSOCIATION

Vol. XII No. 11

November 1973



ALVIN V. SIZER

(See back cover)

"Shortwave - Center"

Temporary address:

NASWA HDQ
Box 8452
S. Charleston, WV 25303

DIVERSITY DX RECEPTION

by Edward C. Shaw

Big time DX can frequently be detected with two receivers which would otherwise be inaudible or useless on a single more sophisticated receiver. At present, this writer is employing a diversity reception method using SX-190 and SP-600 receivers. The technique calls for listening to both receivers at one time through the use of split headphones (stereo). Each receiver, using its own antenna is tuned to the same frequency. By channeling one receiver to the left ear and the other receiver to the right ear, a superior sensitivity and signal quality is realized surpassing that available from either receiver used alone.

The greatest advantage I have found for diversity reception, however, is the ability to locate new, or to confirm reported parallel broadcasts of different frequencies. Recently, I was thrilled with the affirmation of Jordan on the reported frequency of 11,810 kHz at 5 KW - a parallel to its 7155 kHz outlet. The 11,810 kHz outlet was not audible on either of my receivers used separately. But, by tuning the SX-190 to 7155 kHz for the left ear, and tuning the SP-600 to 11,810 kHz for the right ear, I detected the tell-tale resonant echo on 11,810 kHz which can only occur if both ears are hearing the same thing.

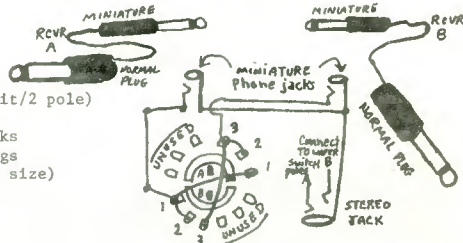
To accomplish this easy method all one need do is use two sets of headphones, one for each receiver; each ear listening to its own earphone. It may be a bit uncomfortable as well as appear ludicrous to wear two sets of phones, however, and to avoid this as well as to make it conveniently easy to switch from receiver to receiver, the writer devised a small black box for installation between receivers which will enable listening to a choice of:

- (1) Signal A with both ears
- (2) Signal A into left ear; and signal B into right ear
- (3) Signal B into both ears

The total cost of new parts at Radio Shack came to less than \$8.00, and that was enough to construct two units with parts left over. You can't buy just one of most items - they come in packages of two or three. Otherwise, all else that is needed is a cheap stereo headset. I dislike regular stereo phones though, since they reproduce frequency extremes. So, one can be constructed from two single earphones bought extra and spliced together properly in a stereo phone plug.

Parts List:

- 1- plastic mini-box
- 1- wafer switch (6 posit/2 pole)
- 1- stereo jack
- 2- miniature phone jacks
- 2- miniature phone plugs
- 2- phone plugs (normal size)



Supplemental instructions for making stereo headset from two single earphones:



This gadget should enhance the season's DX for those having two receivers. 73, Ed.

THE WAY I SEE IT

by Edward Shaw

DXing had its beginning in the early days of radio, and from what I can glean from old hobby or club magazines and talking to old timers, it must have been fun. At least that phase of the hobby has not changed.

In my opinion, however, I believe that the modern DXer is an entirely different bird than his predecessor. For instance, one must keep in mind that there were far fewer stations, say forty years ago. And, while they were operated with peanut power by today's standards, I'm convinced that DXing was easier then than it is now. (I anticipate flack over that one).

Today's crowded band situation and super-gigawattage has driven all but a couple dozen of the most hardy nations off the international bands. This is exaggerating a bit, but the truth is that nobody has room to elbow their way in, and even if another station could be flattened and edged in sideways it couldn't be heard with any consistent quality beneath the thunderous reverberations of a band crackling with literally millions of watts. Even to pull a sneak and try edging over the legitimate ends of the band doesn't work - particularly in the U.S.A. - because of the multitudes of tweedeling and buzzing utilities or quacking side band transmissions. Ironically, it is because of the noise and crowded bands that most utilities and amateurs fled to side band operations in the first place - only causing grief to those remaining behind.

But, getting back to my point - today's DXer not only may pride himself on even discovering a powerhouse among the powerhouses, he could down right slap himself on the back and beam for a month if he should pull in a five kilowatt anywhere outside the U.S.A. Old timers that reminisce the days of 200 watters or 500 watters out in the Pacific aren't fooling anyone. With the ionosphere empty of all the RF garbage thrown up there today, the noise level would be flat on the floor. No wonder that a DXer could then hear those small stations faraway which were spaced every 500 kHz instead of 5 or less! Any S-meter deflection at all was probably a catch of some sort.

SPL
D TMV

So, don't pine for the good old days. Take some pride in what is going on today. I wonder just what kind of luck a DXer from the 30's would have if suddenly snatched into our present situation? Yes, I'll agree the fun is still there. But, patience, planning, try-it-again is needed today. Once a new country is logged today, you can rest assured it was "the hard way!"

Any of the old-timers wish to submit a refutation of the above?? The best one received will be printed in FRENKY. Please type on white paper, with the width of the typed area no more than 7 1/2 inches.

*****DON'T FORGET TO ORDER THE 74 WRTH. \$6.50 to HDQ, a \$1.00 SAVINGS!!!
*****SEE THE LR SECTION, JUST AFTER 11690 kHz....ORDER TODAY!

We have had several inquiries lately about the possibility of a NASWA convention or meeting next summer. It is not definite that one will be held, but it is a distinct possibility. Your comments on the idea are welcome. Write HDQ. Maybe you'd like to host such a meeting??

MEANWHILE SEE PAGE QSL-8 for details of a meeting scheduled December 1. It will be a one day meeting, not a weekend convention. Just a meeting of DXers, though I think a few specials are in store for those attending! Like some tapes of some rare DX! DF

I've been asked why more details of the recent West Coast meeting were not given in FRENKY. The answer lies in the mountain of paper & other things in my basement at the apartment from which I just moved. When it came time to type the Oct HDQ material for FRENKY I just couldn't find the data! That may sound silly, but several who saw my basement can well attest to the mess it was in!..So far we've not had any reports of the West Coast meeting, but if it was like any other meeting of DXers, it was quite interesting.

Dan Ferguson

ON TO THE TOP: (Last)

By DON JENSEN

How Can I QSL Those Rare DX Stations?

EDITOR'S NOTE: This is the last in a series of articles exploring serious SWBC DXing. It is aimed at the listener with some DXing experience who is ready to progress into areas not usually treated in beginner manuals.

The major stations you've already verified often seek listeners' reports knowing something of the DXers' special language and going out of their way to please. Rare DX stations, by their very nature, don't get many reports. They usually aren't trying to reach North American audiences. Their staffs often don't know what a QSL is, much less why a listener is so interested in receiving a confirming letter or card. These stations, in short, are much harder to verify.

It is assumed you know the basic report writing technique. You include the necessary bits, the frequency, time, date, program and reception detail and the request for verification. When dealing with the rarer stations, it is more important to write in the language of the station unless you have reason to believe that someone at the station knows English. If you include mint stamps or IRGs with your reports only on rare occasions, plan to do so regularly when writing the lesser-heard stations.

It is important to get your report into the hands of someone who is known to reply, so keep track of verie signers, the names of persons who sign other DXers' reports.

Often your first report won't bring a response. Use periodic follow-ups, or new reports to non-repliers. It can take a year, five years, ten years to get a verification from some rare stations. Persistence is necessary.

But beyond this, what? The serious, experienced DXer who is interested in QSLs develops additional reporting techniques, tricks or ploys, if you will, to get verifications from the rare, really hard-to-QSL stations. Not infrequently DXers guard these secret methods jealously. These little extra techniques are, to a degree, perishable commodities. Their usefulness may decrease with usage, so, understandably, veteran DXers tend to keep quiet about their best ploys. Eventually, you, too, will develop your own series of reporting tricks that work for you.

In essence, though, what most of them amount to is an attempt to bring special attention to your report, strike a note that will interest the recipient, and move him to action he might otherwise not take, that is, reply to your letter.

Anyone familiar with the field of advertising will recognize in this the basic rules of promoting a product. It may come as a shocker to hear, but many of the same approaches used to peddle soup and soap apply to reception report writing.

In advertising it is A-I-M-A, Attention! Interest! Motivation! Action! You have to be a public relations man trying to sell the idea of the station replying to your report!

No, honesty doesn't go out the window. Candor is perhaps the most effective sales technique. It doesn't mean you come on like gangbusters with the hard sell. Soft sell is usually more effective than high pressure. You still need a good product, the solid core of a good reception report. But the more you know about your "market" the better you'll be able to tailor your approach to the situation.

These special techniques you'll have to develop yourself. Your own personality, style and accumulated experience will guide you if you're receptive to the basic idea. If you're rigid, insist on a basic master report format you'll always follow, if you take the position, "If they don't like the kind of reports I write, to H--- with 'em," if you're not willing to try, try again if your first report, your first ten reports fail to bring a response, you'll miss a lot of fine QSLs!

I'd be remiss, at this point, if I didn't note that some veteran DXers aren't gung-ho about QSLs. They maintain that a QSL isn't always proof positive of reception; that some stations confirm without actually checking reports for accuracy. They're right, of course. Yet, I maintain that generally a QSLed report is better than a non-QSLed one if only because the DXer tends to be more careful about identifying the station when he tries to garner enough details to justify a report. Plus there's the thrill of receiving that rare letter from Lower West Bengalstan or whatever.

To sum up this series of articles, the key to successful DXing, as opposed to SWling, is know-how and knowledge gained through experience and the effort to learn as much about the hobby as you can. If it has struck you that the articles have been short on actual "how-to-do-it" techniques and long on generalities, it is because there is no short-cut method. All any article, series of articles or book can do is to point you in the right direction. If these have done that, and you carry through, then you are on your way to the top. ---End of Series---

QSL Report



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

Another very fine month for Qsls. A few interesting veries received this month are: R. Barlvanto, Thai TV, Voice of Kenya, Mauritius, and many Indonesians. Many veries have been received from ORTF, Tahiti. Africans, Brazilians and other Latins look interesting this month....Here are a few new station addresses that are not listed in the 73 edition of the WRTVE: Papua/New Guinea, R. Chimbu, 2376 khz., P.O. Box 228, Kundiawa. R. Northern Dist. 2468 khz., P.O. Box 137. R. New Ireland, 2428, P.O. Box 140, Kavieng, New Ireland District.

Need a verie from Thai TV? Try this new address: Head of Programming and Advertising, Thai TV Radio, Soi Aree, Paholyothin Road, Bangkok Metropolis 4, THAILAND....Brazil, R. Nac de Brasilia informs that Luthero Toledo is no longer verifying reports for them, he is now in advertising dept. New verie signer is Jose Mauricio de Carvalho, Coordinator general of Int. Svc. (via Scott Reeves) Surprise next month!

-QSLs RECEIVED NOVEMBER-

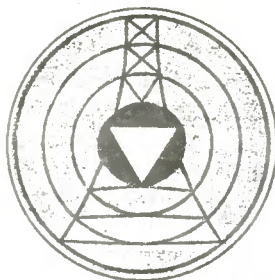
AFGHANISTAN: R. Afghanistan, 15265, card w/full data in 2½ months, 2 IRCs. (Orcutt) map card in 2 months for 2 IRCs. (Cwikla) 15265, map card w/all data in 2 months. (Yamron)
ALBANIA: R. Tirana, 11985, folder card in 3 months after 6 f/ups! 8 IRCs and 2 FF reports? (Wootten) Peking relay, 7120, card w/date and freq, pennant, 1 month. (Cwikla)
ALGERIA: R. Algiers, 6080, 3 months, sked. (Barto) please be more specific in future..ed.
ARGENTINA: RAE, 11710/9690, card in 3 months after 3 f/ups. (Wootten) 11710, globe card in 7 months for 2 IRCs. (Earhart)

ASCENSION IS: BBC relay, card and letter, no data, 2 months for 2 IRCs. (Guarducci)
ASIATIC S.S.R: R. Moscow, Petropavlovsk-on-Kamchata, 11690, card in 23 days. (Simon)
AUSTRALIA: R. Australia, 9580, Telescope card in 129 days, no IRCs. (O'Malley) 17795/21740, cards in 3 months for report to N.Y.C. address. (Nebron) 6160, flower card in 6 weeks, no IRCs. (Wootten) 9580, card w/full data, 3 months, no IRCs. (Pyatt) 381 days, 2 IRCs. (Mayer) ABC, Bribane, 4920, full data map card in 1 month, 3 IRCs. (Wiseberg) Darwin, RA, 9700, card in 3 months. (Cwikla) Shepparton, RA, 9570, Flower card w/full data, 3 months, no IRCs. (Eichenhorn)
AUSTRIA: ORP, 9770, castle card w/full data, 10 weeks. (Carrington) 6155, Holiday card in 32 days air for 2 IRCs. (Hardester)

BELGIUM: ORU, 9655, map card in 22 days, no IRCs. (Earhart) map card in 1 month, no IRCs. (Eichenhorn) 9550, card w/all data, 3 months. (Wootten) 15235, map card in 33 days for 3 IRCs. (Stephens) card and sked in 1 month, no IRCs. (Bettenhausen)
BOLIVIA: R. Altiplano, 5045, Imp card for 3 IRCs. (Ralphus)
BOTSWANA: R. Botswana, 4845, card w/freq. and veri statement, 103 days for mint stamps. (Burlew) card w/freq. only in 175 days sea for 1 IRC. (Mayer) card w/freq. only, 8½ months for 2 IRCs. (Orcutt) card in 3 months, 2 IRCs. (Hagen) card in 2 weeks. (Wootten)
BOUGAINVILLE IS: R. Bougainville, 3322.5, QSL folder in 5 weeks, 1 IRC. (Abraham)
BRAZIL: R. Banderirantes, 11925, card and letter w/veri statement in EE/PP, pennant, 2½ months air for EE report and IRC. (Duba) card, letter, pennant, 4 months for SS report and 2 IRCs. (Guarducci) Brazil is PP speaking country so SS report wouldn't be helpful...ed. R. Educ de Parnaiba, 4845, PP letter on 6th try from v/s. Claudio Franklin Veras, Dir. air in 3 weeks for SASE(used). (Field) R. Acreana, Rio Branco, QSL in 1 month for PP report, v/s. Gerado Maderia De Mator, Dir. Pennant, postcards and travel info also rovd. (Barto) Emisora Rural, A Voz do Sao Francisco, Petrolina, 5026, PP letter w/veri statement, 1 month air for PP report, 1 IRC, stamps, SW1 cd. My 33rd Brazilian. (Flynn) R. Globo, 11805, full data card in 4 months for EE report and 2 IRCs. (Duba) card in 5 months, 3 IRCs. (Guarducci) R. Olinda, 3375, letter and postcard frpm v/s. Romo Uchoa Cavalcanti. (Dexter) R. Novo De Julho, 9620, letter w/veri statement only for PP report, 2½ months for mint stamps. (Orcutt) R. Rural Brasilia, QSL in 3 months for PP report, 1 IRC. (Barto) R. Nacional de Brasilia, 15445, card and pennant in 7 weeks for PP report. (Barto) 15445, full data card, pennant, personal EE letter, in 3 weeks for EE report, 3 IRCs. (Yamron)

CAMEROON: R. Garoua, 5010, QSL direct w/full data and site, 3 weeks for EE/FF report and IRC. (Ralphus) map card in 9 months w/full data. (Campbell) direct with their own version of the yellow/brown OCORA map card, 63 days for FF report. (Wootten) last two reports should be credited vice-versa. Loudenboomer made me do it. hi! card in 9 weeks for FF report, 1 IRC. (Barto)

R. Yaounde, 4972, map card w/all data. (Wootten)



AUSTRIAN ARMY-TRAINING TRANSMITTER

SCHULUNGSENDER
des
Österreichischen Bundesheeres

A1102 WIEN Gubriegelstraße 45

O E Y 21 O E Y 52

CANADA: R. Canada Int. 11945, card w/full data in 17 days, no IRCs. (Buehler) 17855, card in 3 weeks, no return postage. (Earhart)

CHNX, Halifax, card w/veri statement and freq. only, 7 months after f/up w/mint stamps. (Calkin)

CKZU, Vancouver, CBC card w/freq., states power as $\frac{1}{2}$ kw. listed as 4 kw. 3 weeks. (Reeves) 6160, CBC card, 6 weeks for 10¢ and Calif. Golden Seals decal. (Nebron) card in 1 month for mint stamps. (Kaufman)

CKZN, CBC card w/freq, date and power. v/s. F.H. Holm. 8 days. (Burlew)

CANARY IS: RNE, 15365, letter stating that they are presently out of QSL cards. (Self) card in 5 months for SS report and 2 IRCs. (Guarducci)

CAPE VERDE IS: R. Barlvento, 3931, green drummer card w/lang, station, and name in 24 days for NASWA PP report and 3 IRCs. (Henderson) excellent Dan.

CENTRAL AFRICAN REP: Bangui, 5038, letter w/all data except freq. 3 weeks air for EE report -t and 2 IRCs. (Gendron)

CHILE: R. Corporacion, 15150, card in 1 month w/veri. statement only, no IRCs. (Pyatt)

R. Universidad de Concepcion, SS letter in $\frac{1}{2}$ months for SS report, mint stamps, newspaper article. v/s. Fernando Donosa Sazo. (Reeves)

VERIFICATION CARD



Location U.S.A.

Wavelength 5040

Date 7-2-73

Time 1227 to 1258 (GMT)

Your reception report has been examined and found correct/incorrect

[Signature]
for Director,
Information and Broadcasting Department,
Rangoon, Burma.

CHINA: R. Peking, card w/all data in 4 months. (Eichenhorn) 17855/7120, cards in $2\frac{1}{4}$ weeks air. (Earhart) Panda card in 6 weeks. (Pyatt)

CLANDESTINE: R. Espana Independente, Picasso card in 70 days for SS report to Prague add, 2 IRCs. (Ferry) R. Euzkadi, 12080, card w/time only in 200 days sea for EE report, 2 IRCs (Wiseberg) map card w/incorrect freq. and date, 6 months air. (Plum)



DEPARTEMEN PENERANGAN R. I.
DIREKTORAT RADIO
 STUDIO : MATARAM-LOMBOK

ALAMAT : DJALAN SELAPARANG LAMBO 15 KEMENAN.

TILP. : 389.

No. : 0449 / T.30.
 HAL : "Laporan penerimaan"
 LAMPIRAN : ---

MATARAM, 25 September 1973.
 Kepada Yth.
 Tn. William S. Sparks.
 1100 Hearst Building,
 San Francisco, California 94103
 U. S. A.

Dengan hormat,

Kami mengucapkan banyak terima kasih atas laporan penerimaan (Reception-report) Tuan mengenai siaran dari Radio Republik Indonesia Studio Regional Mataram. Setelah kami check data-data yang Tuan kirimkan kepada kami bahwa laporan Tuan tanggal 25 Agustus 1973 dari jam 11.35 GMT - 12.35 GMT atau dari jam 19.35 - 20.35 Waktu Indonesia Bagian Tengah (local time), ternyata memang benar. Selama ca. satu jam tuan telah meluangkan waktu untuk turut memberikan data-data yang sangat berguna bagi kesempurnaan siaran kami. Untuk lebih melengkapi laporan Tuan itu, bersama ini kami berikan data-data penggunaan (operation) pemancar kami.

Xmtr	Call Sign	Freq (KHz)	Wave-length (M-Band)	Power (Kw)	Antenna (System/direction)	Operation (Hours)
Gates (USA)	YDU-20. SFS-34.	3223	93,08	5	Delta match/ East West.	0900-1530 GMT

Akhirnya sekali lagi kami mengucapkan banyak terima kasih atas data-data dan laporan penerimaan Tuan itu. Semoga pada waktu-waktu mendatang Tuan sudi mengirimkan lagi laporan2 kepada kami.-

Radio Republik Indonesia
 Studio Mataram
 Kepala Studio
 u. b.

Kepala Bagian Teknik



TRANSLATION: Dear Sir,

We thank you for your reception report on the radio broadcast of the RRI-Mataram Regional station. After verifying the data you sent us concerning August 25, 1973, from 1135 - 1235 GMT (1935 - 2035 Central Indonesian Time), we found it correct. For approximately one hour you have spared your time to provide us with data which is valuable for the improvement of our broadcasting.

To further supplement your report, we/herewith are sending you some data on the operations of our transmitter.

Concluding our letter, we would like to express, once more, our gratitude for your data and reception report. We are hoping that you would send further reports in the coming periods.

RRI- Mataram Studio
 for the director,
 Chief, Technical Dept.

Many thanks to Mr. Neal Benson of the Office of International Student Services.
 University of Pittsburgh. editor.

COLOMBIA: R. Continental, 6125, SS letter w/veri statement only from v/s. Antonio Parda Garcia, 22 days air for SS report, mint stamps. (Wiseberg)

Ecos de Puerto Martinez, letter from Oswaldo Martinez Chaverre, affirming date and freq. Says power is 90 watts, received in 14 days for \$1.00 which was returned. Martinez says he is trying 4900 as of Aug. 8, but check as 9/15 reveal return to 5568.

Emisora Atlantico, 4905, letter w/veri info, 2 weeks for 2 IRCs. (Plum)(Shaw) letter w/veri statement, 33 days for mint stamps. (Hardester)

Emisora Nueva Granada, 6160, letter in 2 weeks, mint stamps. (Perry)

R. Guatapuri, 4915, letter and pennant in 4 months sea for mint stamps. (Calkin)

R. Nacional, 4955, card in 2 months w/nice pennant. (Wootten) card and pennant in 3 weeks for mint stamps. (Abraham) card and pennant for f/up report in 2 months air for SASE (used). (Field)

R. Neiva, 4856, 2 cards w/veri message, from v/s. Senora Sanchez, 2 weeks for SS report, mint stamps. (Perry)

Ondas del Darien, 6086, letter w/veri statement from Javier Betancourt G. 3 weeks for SS report, mint stamps.

Also says of new station, Brisas del Citara, 5030 nom. freq. (Ralphus the Perry)

Ondas del Meta, 4884, SS letter from v/s. Jairo E.

Cifuentes, 2 weeks. (Cvikla) letter w/date only in 25 days air for SS report, mint stamps.

R. Sutatenza, 6075, card w/full data in 10 weeks, mint stamps. (Abraham)(Simon)

CONGO: RTVC, 15190, form letter in 2 months for FF report and mint stamps. (Hagen)

Pointe Noire, 4843, 3 months for FF report and 1 IRC. (Barto)

COSTA RICA: R. Atenea, 6150, SS form letter w/freq. only, in 10 days for mint stamps and SS report. (Simon)

CUBA: R. Havana, 15130, card and letter air in 14 weeks. (Padula) 9525, card and sked, w/full data in 98 days air after f/up. (O'Malley)

CZECHOSLOVAKIA: R. Prague, 11990, Medal card w/full data in 25 days for 3 IRCs. (O'Malley) 5930, card in 6 months, no IRCs. (Earhart)

DAHOMEY: Radiodiff. du Dahomey, 7190, color map card in 3 weeks for 2 IRCs. (Earhart) 4870, map card w/full data in 10 months for 2 IRCs and FF report. (Orcutt)

DOMINICAN REP: R. Hin, 4910, card in SS, 3 months for 2 IRCs. (Field)

R.T.V.D. 9505, letter w/veri statement only, pennant 1 month sea for 2 IRCs. (Pyatt) letter and pennant in 11 weeks for mint stamps. (Abraham)

Onda Musical, 4780, prepared card in 2 weeks from v/s. M. Baez A. (Plum)

ECUADOR: R. El Mercurio, 6070, card and pennant, 5 months for mint stamps. (Sparks)

R. Federacion, 4960, letter in 4 months from v/s. Patricio Leon A., SS report and 1 IRC. (Barto) letter and pennant from above v/s. 3 1/2 month after f/up. (Dexter)

R. Luz y Vida, SS letter and pennant, 2 months for 3 IRCs, SS report. Says IRCs are useless in Loja. Reports are checked completely against explicit log for accuracy. (Reeves) letter in 2 weeks for mint stamps. (Abraham)

HCJB, card w/all data in 18 days for 2 IRCs. (Mayer) card in 3 months for 1 IRC.

EL SALVADOR: YSS, 5980, card w/no data and pennant in 8 months for SS report (Wilson) and 2 IRCs. (Gendron)

ENGLAND: BBC, Spanish Svc. 15270, card w/personal note and confirmation statement in 3 weeks air. (Calkin)

VOA, Wofferton, anniversary card w/site, 17 days. (Wiseberg)

EUROPEAN S.S.R: R. Moscow, Armavir, 12000, card in 30 days. (Simon) 11900, full data card in 25 days. (Self) R. Peace and progress, 11700, card in 25 days. (Self)

FINLAND: R. Finland, 15185, card w/all data in 2 weeks for 2 IRCs. (Earhart) card in 1 month, no IRCs. (Wootten)

FRANCE: ORTF, 15360, card air in 5 months. (Padula) card in 43 days, no IRCs. (Self)

FR. GUIANA: ORTF, 6170, letter w/date and freq. only, 6 months air for NASWA FF report and 2 IRCs. (Gendron)



MATRIZ DEL TRIANGULO DORADO DE LA RADIOFUSORA QUITENA. R. P. Q.
EMISORAS PROPIAS "GRAN COLOMBIA" - "LA VOZ DE LA DEMOCRACIA" Y "RADIO EL TIEMPO"
MATRIZ DE R. C. N. E. - RADIO CADENA NACIONAL ECUATORIANA

radio bucaramanga



FUNDADA EN 1934

Bucaramanga - Colombia

GABON: RTVG, 3350/6100, 4 months for 1 IRC. However these freq. are not on sked. (Barto)

4777, card in 4 1/2 months for EE report, no IRCs. (Perdue)

GAMBIA: 4820, R. Gambia, EE letter w/freq. in 51 days, 2 IRCs. (Simon) form letter in 3 weeks for 2 IRCs. (Abraham) form letter w/freq. and date, 120 days sea for 2 IRCs and EE report. (Wiseberg) letter w/date only in 1 month for 2 IRCs. (Gendron)

GERMANY G.D.R.: R. Berlin Int. full data card in 85 days, no IRCs. (Novacek) card w/full data in 3 month, no IRCs. (Eichenhorn) card in 7 weeks, no return postage. (Earhart)

GERMANY G.F.R.: R. Liberty, 17750, card in 3 weeks w/site, 3 IRCs. (Wooten)

GREECE: VOA Kavala, 7270, card in 10 days. (Sparks)

GUATEMALA: R. Cultural, 3300, Quetzal card w/date and freq. 27 days air, 1 IRC. (Sparks)

5955, card w/full data in 10 days air for 3 IRCs. (Ruptash) card and letter in 3 months for SS report, 3 IRCs. (Guarducci)

La Voz de Guatemala, 6180, blue/white card w/all data for mint stamps. (Abraham)

R. Maya de Barillas, 3325, card in 2 years air! for mint stamps. (?) card in 25 months w/all data. note said, "You were the first to note our change from 3320 to 3325. We changed due to interference from code traffic here in Central America." (Flynn)

GUYANA: Action R. 3290, letter in 15 days air for 2 IRCs. (Ball)

HAITI: R. Citadelle, 6147, full EE veri. letter from Chief Eng. Denis Bastien in 5 months, also returned my prepared card with signature and station stamp. Sent report to father, Jenner Bastien. (Perry)

4VEH, 11835, Memorial card w/full data in 1 month for 2 IRCs. (Earhart)

HOLLAND: R. Nederland, Dx Friendship card w/all data, 9 days air for 2 IRCs. (O'Malley) full data card in 37 days no IRCs. (Novacek) World Dx Friendship card, 2 months, no return postage. (Earhart)

HONDURAS: HRVC, 4820, card in 4 months for SS report, 2 IRCs (Hagen) card in 23 days air for 2 IRCs. (Schwartz)

R. Progreso, 4920, letter in 3 weeks air, 2 IRCs (Plum) form letter w/all data and station decal, 10 days for SS report and mint stamps. (Orcutt) full data letter and decal in 3 weeks air for 2 IRCs and EE report. (Gendron) letter and decal in 13 days for 2 IRCs. (?) credit can not be given unless your name is at the end of each item. ed.

HUNGARY: R. Budapest, 11910, card in 2 months, no IRCs.

(Kaufman) green card in 2 months sea, red/white pennant, no IRCs. (Castello)

INDIA: AIR, Bombay, 11830, personal letter stating that report has been checked against log. Air in 4 weeks. (Padula)

AIR, Madras, 4920, EE letter w/all data from Audience Research Officer, air in 5 weeks. (Padula) full veri letter in 1 month for IRC (was returned) Address is: AIR, Mylapore, Madras-4, India. (Reeves)

INDONESIA: RRI, Banjarmasin, 3250, letter in Indo. w/all data in 6 months for Indo. report and mint stamps. (Henderson)

RRI Jember, 3315, letter in Indo. from v/s. R. Soedibyo, Director. Believed first QSL from this station. (Padula)

RRI Manokwari 3344/6185, personal letter in Indo. from v/s.

R. Soebardi, with all details. Air in 8 weeks after reported 6185 and mentioned that no reply received for earlier report on 3344. (Padula)

RRI Mataram, full data letter and EE sked, 1 month for Indo. report, 2 IRCs. (Reeves) 3223, letter in 1 month air for mint stamps, v/s. Alex Tumembouw. New address:

RRI Studio Mataram-Lombok, Jalan Langki 13 Ampenan, Lombok, Indonesia. (Sparks)

RRI Medan, letter via registered airmail, from Anwar Sr. Dir. Indo. report sent. (Padula) RRI card w/full data, 5 months for EE report, mint stamps. (Reeves)

RRI Semarang, Indo. letter in 24 days for Indo. report, IRC. (Reeves)

RRI Surakarta, 4932, QSL in 3 months for Indo. report, 1 IRC. (Barto)

RRI Ujung Pandang, 5054, card and letter in 20 days both signed by Slamet Poedjono, Dir. Letter requests reports for 4720 outlet. They will be converting to MW operation sometime in 1975. Sent EE areogramme report. Director gives address not listed in 73 WRTVH, as follows: Slamet Poedjono, Director RRI Nusantara I, P.O. Box 103, Ujung Pandang. (Flynn) 5054, EE card and letter in 5 weeks from above v/s. (Field)

ISRAEL: IBA, Menorah card w/all data in 7 weeks, no IRCs. (Earhart) card w/all data in 1 1/2 months, no IRCs. (Eichenhorn) 1 month. (Cwikla) 31 days, 2 IRCs. (Hardester) 4 weeks. (Padula) 1 month, no IRCs. (Boudreau) 22 days. (Potter) 4 weeks. (Barto)

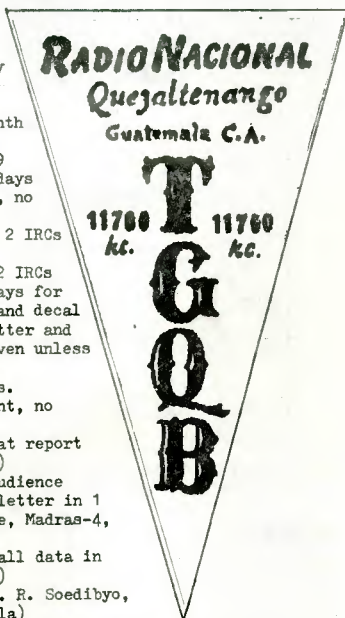
ITALY: RAI, 6060, full data card in 10 months. Note that 6060 at 0600 GMT is Rome not Sicily as per WRTVH. (Field)

IVORY COAST: RTVI, full data card in 3 weeks air. (Potter) 11920, card w/full data and personal note in 1 month for FF report and mint stamps. (Ball)

JAPAN: R. Japan, 17825, full data card and postcard and new pennant. (Rappel)

FEN, 6155, FEN card w/full data in 14 days air, no IRCs. (Mayer)

NSB, full data card, sked in 1 month air, no IRCs. (Gendron)



JORDAN: R. Amman, 7155, color card in 3 weeks, 2 IRCs. (Hagen)

KOREA NORTH: R. Pyongyange, End of long battle!! Capping off 6 years effort, sends post card w/full veri message. 8 months after this particular report sent, 2 months after f/up, for 9515 khz EE xmsn. Guess I can cancel my subscription to Pyongyang Times, hi. (Ralphus)

KOREA SOUTH: R. Korea, 9640, full data card in 25 days air for 2 IRCs. (Hardester) 4915, 2 months for EE report and 1 IRC. (Barto) card in 30 days air for aerogramme. (Flynn)
KUWAIT: R. Kuwait, 9600, card and sked air in 4 weeks. (Padula) folder card w/all data in 37 days for mint stamps. (Stephens) 23 days, 3 IRCs. (Carrington) 1 month, 1 IRC. (Earhart)

LATVIA S.S.R.: R. Riga, 5935, card and Swedish letter signed L. Brjantseva, Mail Bag Editor, 3 months no return postage. (Sizer)

LIBERIA: ELWA, 3227, Drummer card in 7 months for EE report, no IRCs. (Kaufman)
 VOA, Monrovia, 7280, card in 8 days. (Nebron)

LUXEMBOURG: R. Luxembourg, 6090, card w/full data in 2 months w/mint stamps. (Calkin)

QSL

To: **Gregg A. Calkin**

Dear Friend,

Thank you for your report, which we herewith verify as fully correct.
 S.E.I.T. was heard over Radio Trans Europe as follows:

Date: **22-7-73** Hour: **22h 00m** GMT

Frequency: **9.670** MHz **±1.02** m

Your interest in the S.E.I.T. broadcasts to Europe is much appreciated and we shall be glad to hear from you again.

S.E.I.T.

Aperlado 2495
 Lisbon - Portugal

MALGASY REP: R. Madagascar, 3232, 4 months after f/up, 6 months total time, card w/no data, for FF report and 3 IRCs. (Perry)

R. Nederland, 7205, card from Hilversum in 9 days. (Padula)

MARTINIQUE: ORTF, 3315, Beach card in 3 weeks for 2 IRCs. (Cwikla)

MAURITIUS: MBC, Forest Side, 9710, card in 3 weeks on 3rd try for 2 IRCs. (Field)

MEXICO: R. Universidad de Mex. SS letter, post card in 1 month for NASWA SS report, 3 IRCs which were returned. (Reeves)

R. Universidad de Sonora, 6115, card w/freq. only, 15 days air for EE report and 1 IRC. (Nebron)

MONACO: TWR, card and pennant in 4 months for 2 IRCs. (Guarducci)

MOROCCO: VOA Tangier, 15270, anniversary card in 8 days. (Self)

MOZAMBIQUE: RCM, 11780, card w/full data in 2 months air for 2 IRCs. (Pyatt) full data card in 3 months for EE report and 2 IRCs. (Abraham)

RCM, Beira, 4890, card in 11 weeks for 1 IRC. (Sparks)

R. Pax, Cross card w/full data in 13 days air for EE report and mint stamps, (used) v/s. P.A. Goncalves. (Burlaw)

NEW BRITIAN IS: R. Rabual, 3385, data sheet in 3 weeks. (Cwikla) data sheet in 8 days for 1 IRC. (Abraham)

NEW ZEALAND: R. New Zealand, 9540, card in 4 months sea for tape report. (Hagen) globe card in 4 months sea, no IRCs. (Castello) 17770, globe card in 95 days, no IRCs. (Buehler)

NICARAGUA: R. Mar, 9594, SS letter and pennant in 16 days for SS report and IRC which was returned. Letter request further reports. Runs 1 kw daytime. (Flynn) full data SS letter and pennant in 6 months for SS report and 2 IRCs. (Henderson) letter and pennant in 2 weeks for 1 IRC which was returned. (Potter)

NIGERIA: VON, 11900, Flag card w/full data w/sked in 1 week for 2 IRCs which were returned. Note says that IRCs are not needed. (Brown)

NBC Calabar, 6145, card in 15 days air from Lagos, no return postage. (Simon)
 6145, full data aerogramme w/site in 1 month for 2 IRCs. (Wiseberg)

NBC Maiduguri, 6100, flag card w/site from Lagos in 2 weeks. (Ralphus) full data card in 14 days air via Lagos, no IRCs. (Mayer)

NBC Sokoto, 6195, card in 11 days via Lagos, no IRCs. (Mayer)

NORWAY: R. Norway, 11860/6185, cards w/full data in 10 days air for aerogramme report, no return postage. (Flynn)

PAPUA/NEW GUINEA: R. Kerema, data sheet in 24 days air for mint stamps, (Reeves)
 R. Milne Bay, 3360, data sheet in 3 months for IRC. (Sparks)
 R. Wewak, data sheet (older style) in 3 months for 2 IRCs. (Reeves)

PERU: R. Santa Rosa, 6045, full data letter from v/s. Ana Cecilia Villena Alvarado. 3 weeks for IRCs and SS report. (Ralphus)
 R. Quillabamba, 5025, letter w/veri message, also huge beautiful green pennant depicting snow-capped Andean Mt., and tower, and an "identification card" with my name on it... I'm told that if you flash a Quillabamba ID card anywhere in the village, all kinds of doors open up for you! hi (Ralphus the Perry)

PHILIPPINES: VOA, Por, 15210, card in 1 week w/site. (Cwikla)
 VOA, Tinang, antenna card in 7 days w/all data. (Stephens) 15290, card in 1 week w/site. (Cwikla) card w/all data in 6 days. (Brown)

POLAND: R. Warsaw, map card in 65 days for tape report, 3 IRCs. (Self) 11875, map card w/full data, 2½ weeks no IRCs. (Brown)

PORTUGAL: R. Portugal, map card in 13 days for 1 IRC. (Earhart) 6025, World map card in 11 days, no IRCs. (Buehler) map card in 20 days, no IRCs. (Brown)
 DW-Sines, 7275, card in 2 months. (Barto)
 R. Free Europe, blue/white card w/freq, site and power, 5 days from NYC address. (Burlaw) letter w/date, freq, for 6 reports to Munich, 12 days, no IRCs. (Reeves)
 Voice of Hope, 9670, globe card in 2½ months from Lisbon. (Calkin) full data antenna card in 15 days air for 2 IRCs. (Hardester) antenna card in 43 days air, no IRCs.

PORT. GUINEA: 5041, 3 months for PP report, 2 IRCs. (Hagen) (Flynn)

ROMANIA: R. Bucharest, card in 50 days for 2 IRCs. (Guarducci) Folk dance card w/all data no IRCs. (Brown) card in 10 weeks, no IRCs. (Earhart)

RUSSIAN S.S.R: R. Rodina, 11730, card in 4 months from Moscow. (Cwikla)

RWANDA: DW Relay, blue/gold map card, 1 month no return postage. (Abraham)

RYUKYU IS: VOA Okinawa, 6010, card w/all data except freq. 8 days. (Nebron)

SABAH: R. Malaysia, 5980, map card w/personal note in 4 weeks for 2 IRCs. (Nebron) letter and card in 12 days air for 2 IRCs. (Reeves)

SARAWAK: R. Malaysia, 4895, station card w/full data in 19 days air for EE report and 3 IRCs. (Henderson) card w/all data in 9 days, 3 IRCs. (Reeves)

SAUDI ARABIA: Djeddah, 11855, 3 cards by registered mail in 10, 8, 1 months. (Cwikla) 7220, card in 40 days for mint stamps and tape report. (Hagen) full data card in 294 days for 2 IRCs. (Mayer)

SENEGAL: R. Senegal, 7210, banjo card in 16 days air, 2 IRCs. (Schwartz) 7210, 3 weeks air for FF report and 2 IRCs. (Plum)

SIERRA LEONE: SLBS, full data aerogramme in 1 month for EE report, postcard, 2 IRCs. Wrong date, month and year!! (Reeves)

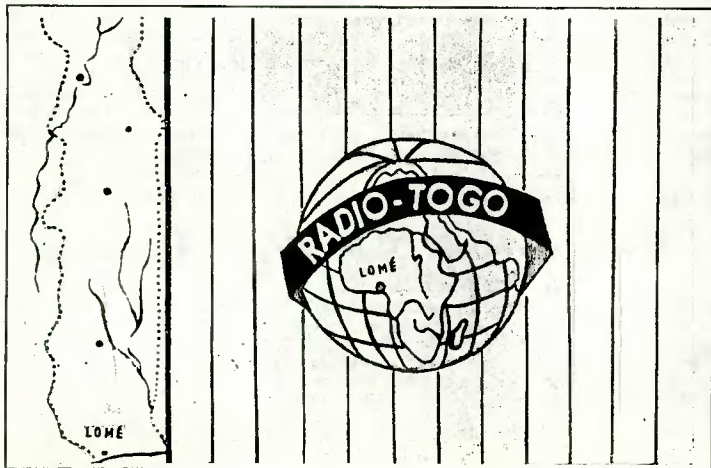
S. AFRICA: RSA, bird card in 1 month, no IRCs. (Eichenhorn) full data card in 15 days for 1 IRC. (Mayer) 3997, full data. (Kaufman) 3250, 2 weeks for 1 IRC. (Abraham)

SPAIN: RNE, antenna card in 57 days no IRCs. (Buehler) card in 2 months. (Cwikla) cards in 3 weeks air, 10 weeks sea. (Padula) antenna card, pennant, 2½ months, no IRCs. (Boudreau)

SWEDEN: R. Sweden, card and pennant in 6 weeks, no IRCs. (Brown)

SWITZERLAND: Red Cross, red/white card in 12 days for 1 IRC. (Reeves)
 UN Radio, 7443, full data card, 8 days air. On the air Fridays 1830-1840 GMT. in Russian. (Calkin)

SYRIA: R. Damascus, Globe card w/full data and felt station emblem, 11 months, no rp. (Orcu tt)



TAHITI: R. Tahiti, 15170, card in 4 weeks after f/up, 8 months total, 3 IRCs. (Nebron) card w/all data in 8 months air, 3 IRCs, EE report. (Ruptash) card in 11 months after 5 reports EE/FF and tape, mint stamps. (Marks) card in 8 months. (Cwikla) full data card and sked in 9 months for NASWA FF report, 2 IRCs. (Gendron) 6 months, 3 IRCs. (Guarducci)

TAIWAN: WOPC, card and pennant in 5 weeks, no IRCs. (Earhart) full data card in 26 days for no IRCs. (Estes) full data in 49 days for 3 IRCs. (Stephens)

THAILAND: Ministry of Education, 6062, card w/full data air in 6 weeks for 1 IRC. (Padula) Thai TV, 7108, letter w/freq and date, 8 months for EE report and 3 IRCs, letter via reg. mail. (Henderson)

TOGO: R. Togo, 5047, card w/incorrect date and time, 1 month air for EE report, 2 IRCs. (Gendron) card in 2 weeks, 2 IRCs. (Abraham) map card for FF report in 31 days 2 IRCs. (Schwartz) 130 days, FF report, 2 IRCs. (Hagen) 6 months for EE report. (Cwikla) card in 25 days air. (Potter)

TURKEY: VOT, 11880, 44 days, no IRCs. (Buehler) card w/date only in 4 months sea, 3 IRCs. (Ruptash) card in 18 days for mint stamps. (Stephens)

UKRAINIAN S.S.R: R. Moscow, Vinnitsa, 11850, card in 31 days from NA Svc. (Simon) Lvov, full data card w/site in 30 days air. (Wiseberg) R. Kiev, 11900, card w/all data in 25 day -s. (Ross)

UNITED STATES: VOA, card in 1 week. (Field) Greenville, card w/all data, 9 days. (Novacek) WINB, Red Lion, 11830, card and sked airmail in 2 weeks. (Padula) WNYW, 11855, card and sked in 7 days. (O'Malley) United Nations Radio, card w/full data in 2 weeks. (Rappel) Greenville relay on 6055, card in 5 lang w/full data. (Abraham) WWV, sent full data card for each outlet, 5 to 26 days. (Hardester)

UZBEK S.S.R: R. Taskent, red card in 1 month for IRC. (Abraham) R. Moscow, 15190, card from Afr. Svc. in 44 days. (Simon)

VATICAN: R. Vatican, card w/all data in 10 weeks air, no IRCs. (Earhart) 11725, color card in 74 days. (Rappel) 9615, full data card in 107 days, no IRCs. (Novacek) card in 2 1/2 months, no IRCs. (Nebron) card w/full data in 1 week! no IRCs. (Fino)

VENEZUELA: Ecos del Torbes, letter and pennant in 17 days for 2 IRCs. (Hagen) R. Lara, card in 1 month for IRC. (Plum) globe card w/date and freq only, SS report and mint stamps. (Ralphus) globe card in 5 weeks sea for NASWA SS report, no IRCs. (Estes) card w/date and freq in 20 days for SS report and 2 IRCs. (Simon)

R. Rumbos, 4975, postcard w/details in 6 months air for 3 IRCs. (Webb) fountain card w/full data in 7 months for 1 IRC. (Cwikla) card w/photo of station in 8 months for EE report and 2 IRCs. (Henderson) full data EE card in 7 1/2 months for EE report. (Duba) 9660, card in 235 days sea for SS report and mint stamps. (Wiseberg) card w/full data in 118 days for EE report and mint stamps. (Stephens)

VIETNAM N: VOV, 15018, full data letter and sked in 6 months for 3 IRCs. (Gendron)

VIETNAM S: VTVN, full data card in 32 days for EE report for Vietnamese program. (Mayer)

WINWARD IS: R. Grenada, 11975, letter w/all data in 5 months sea for 3 IRCs. (Ruptash)

THANKS TO THIS MONTHS 46 REPORTERS.

- L. Abraham (MI) D. Ball (CANADA) S. Barto (CT) C. Buehler (MO) D. Burlew (CT) G. Calkin (ENGLAND) J. Campbell (Scotland) T. Cwikla (CT) G. Dexter (WI) M. Duba (VT) K. Earhart (PA) M. Field (MI) H. Fino (NY) B. Flynn (CA) C. Guarducci (CANADA) J. Hagen (VA) M. Hardester (CA) D. Henderson (MD) I. Kaufman (NY) D. King (PA) A. Marks (OR) A. Mayer (IL) L. Nebron (CA) F. Orcutt (NY) B. Padula (AUSTRALIA) R. Perry (IL) W.J. Plum (NJ) M. Potter (FL) J. Rappel (IO) S. Reeves (MD) P. Romeka (PA) B. Ruptash (CANADA) R. Schwartz (DL) C. Self (MN) E. Shaw (VA) D. Simon (NY) B. Sparks (CA) E. Straus (NJ) R. Stephens (GA) S. Wallace (PA) C. Webb (TX) S. Wilson (PA) C. Wootten (MOROCCO) L. Yamron (PA) Loudenboomer who?

***** Please! When reporting please give all necessary information in order to make QSL REPORT more informative. SUPPORT FRENIX THE ONLY SWBC JOURNAL! 73's until December, Larry

North American Short Wave Association
NASWA/ SPEEDX/ ASWLC DX MEET.

All Dxers/SWLs are invited. December 1st at 10:30 A.M. at the William Penn Hotel in downtown Pittsburgh. Hear tape recordings of really rare Dx and see much equipment and QSLs. Meet your fellow DXer!! A small registration fee of \$2.50 per person to help cover cost of the meeting room and refreshments. Please notify in advance if you plan to attend. For more information please write to: Larry Yamron, P.O. Box 5103, Pittsburgh, Pa. 15206 or call (412) 361-6832 after 0200 GMT. See you there! CL

Charlie Loudenboomer

LOG REPORT

NOTE NEW LR ADDRESS:

NASWA LOG REPORT
M. R. LEONHARDT
P.O. BOX 1132
RICHMOND, INDIANA 47374

Deadline: 12th of month

David Potter has found it necessary to resign as editor of the "C" portion of LR, due to lack of time now that he is a student at Florida State University. Mac Leonhardt will be editing that portion of LR.

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

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

- 2200 CHINA Foochow list. OM in CC 1238-1242 t/o, weak (Williams)
2330 INDON. RRI-Jember ads, Indo songs, anns, 1325 (Tyson-Australia)
2360 INDON. Tjenderwasih 1425 Indo songs, ads, ID as R. Tjenderwasih (Tyson)
2360 GUATEMALA R. Maya de Barillas 0330 SS 9/29, Guat. style mx (Zilmer)
2376 PAPUA/N.G. R. Kundiawa 1241-1302* YL in lang? U.S. pops, c&w mx, brief EE anns @ 1302 s/off 9/24 (Williams)
2377 INDON. RRI-Jakarta 1450 Indo songs, ads, anns (Tyson)
2428 PAPUA/N.G. R. New Ireland, Kavieng, now on reg. operations 1st noted 9/7 w/island mx, vern. 1010-1030. Widely reptd thru out Austr. Sked acc. to ARDXC'er Bob O'Brien (Victoria) 0645-1100 (Padula)
2450t INDON. Jakarta cont. U.S. vocals on LP 1331-1400 OM Indo anns. 1348, 1st log for me on this one 9/26 (Williams)
3015 N.KOREA Pyongyang hrd here most AM's from 1355 t/i to 1410 f/o weak, JJ px (Davis)
3140 COLOMBIA R. Sensation hrd here at 0345 w/very nice lvl altho somewhat over modulated- best 2nd harmonic I've ever hrd (Henderson)
3200t CHINA Fukien Ft. 1143-1145 CC tx by YL 9/14 (Lineback)
3204 NIGERIA NBC Ibadan 2235-2304* mx, tx, EE ID, nx-2300 off w/NA, UTE QRM (Estes, Henderson)
3215 VENEZUELA Ondas Panameras 1030 noticias, ID's 9/8 (Sparks)
3225t VENEZ. R. Tovar 0408* SS s/off w/NA 9/9 (Lineback)
3227 LIBERIA ELWA 2215* lang. 9/14 EE s/off ann. (Rippel)
3240 IRAQ Baghdad AA songs 1937 (Tyson)
3245 VENEZ. R. Libertador 0100-0335 excellent lvl, LA mx, 0300-nx, (Dexter Agner, Ralphus, Zilmer) 1000 9/19 w/lang lesson EE/SS (Field)
3250 S.AFRICA SABC 2210-0415 excellent lvl, pops, AN svc. (Zilmer, Dexter, Rippel, Estes, Nebron, Ball)
3250 INDON. RRI-Bandjarmasin 1200-1315 t/o, Indo. //4719, 4871 etc. from 1200-1215, 1300-1315, poor (Odlin)
3255 VENEZ. LV del Tigre, male vocals, 0240 ID, gud lvl (Dexter) 0140 w/beisbol game (Yamron)
3260 NIGER Niamey FF tx 1930 (Tyson) 2145 FF, mx, rather unusual early reception (Heutte)
3260 INDON. RRI-Madang gud lvl, nx-1105, DJ anns & into Island fare (Ralphus Perry)
3275 VENEZ. R. Mara 0016-0135 Old U.S. pops, SS (Yamron, Agner)
3277 INDON. RRI-Jakarta Ind. songs 1435 (Tyson)
3285 S.AFRICA SABC EE svc. 0500-nx, 0359-0410 "calling all farmers" prog. (Ball, Nebron)
3290t CHINA very weak sta. here in CC 1440, believe China (Tyson)
3290 GUYANA Action R. 0315-0340 EE pops, U.S. oldies, off w/NA (Ball, Yamron)
3295 VENEZ. R. Trujillo strong 0255, YV MoR mx, OM & orch, ID on hr. (Ralphus)
3295 GHANA Accra 2255-2305* EE rel px, TC, anns., ID 9/16 (Tuchscherer)
3300t GABON RTG 0700 lang 9/22 lcl mx, (Rippel)
3300 WINDWARD ISLDS Grenada 2350-0210 EE, tx, mx, 2350 //5015, 0000 ann. that 5015 closing (Agner, Yamron, Estes)
3300 GUATEMALA TGNA 0410-0415 SS rel px, //5955 (Estes, Rippel)
3305 INDON. RRI-Malang 1312 then Indo tx & songs (Tyson)
3315 UNID 9/23 from 0330 w/mx, very weak, could not make out lang (Field)

- 3315 ECUADOR R.Pastaza 0333-0403* LA & US mx, lcl mx, ID w/QRN (Orcutt, Tuchscherer)
- 3315 MARTINIQUE 2305-0055 FF tx by YL, Afro-Carib mx, (Yamron, Tuchscherer, Shaw, Heutte, Mayer)
- 3316 SIERRA LEONE SLBC 2300-2300* daily, EE tx, mx, lcl mx, (Henderson, Mayer)
- 3323 VENEZ. R.Monagas 0540 LA mx, SS tx, hvy QRM fr/CHU & UTE (Wallace)
- 3325 GUATEMALA R.Maya 1140 OM in Indian lang. (Sparks)
- 3325 ECUADOR Ondas Quedanas 0530 Ecuad. songs ID (Sparks) 9/24 mx px, ID and s/off 1009--why that time? (Field)
- 3325 INDON. R.Lokavicesa Indo.songs anns 1845 (Tyson)
- 3335 PAPUA/N.G. R.Wewak 1135-1155 Pid/EE, Islid chants, ID 9/19/ 9/30, (Miller, Yamron, Lineback)
- 3346 ZAMBIA ZBS Lusaka here w/YL at 0420 w/nx in EE, very fluttery (henderson)
- 3350 GHANA Ejura fair at 2230 w/rel mx, & chants // 4915 (Estes)
- 3355 VENEZ. R.Valencia 1015, pop mx, ID 9/9 (Sparks)
- 3360t PAPUA/N.G. R.Milne Bay 1125, Islid mx, lang (Yamron)
- 3360 GUAT. LV de Nahuala 0300-0437*, 0439*, SS LA mx, "Guatemala Musical" px, NA @ s/off (Lineback, Field, Tuchscherer, Zilmer, Sparks)
- 3365 DOM.REP. R.Exitos loud, strong, w/the usual 2353-0345 (Zilmer, Yamron, Potter)
- 3365 GHANA RG 2155 Lang/EE 9/14 EE nx@ 2200 (Rippel)
- 3375 ANGOLA Em.Off. 2200-2310 PP anns, mx px, lite mx, (Hend'son, Rippel)
- 3380 MALAWI MBC-Blantyre *2205 9/14 (Rippel) at times exc. around 0310 Afr.Chants and lang anns, some EE, TC, ads (Ralphus)
- 3380 ECUADOR R.Iris 0335-0350 Andean selections, tx (Ralphus)
- 3380 GUAT. R.Chortis 0315-0347 SS px- lcl mx, tx, (Orcutt, Zilmer)
- 3385 VENEZ. R.Barcelona 0320 SS mx (Zilmer)
- 3385 PAPUA/N.G. R.Rabaul 1005-1215 Pid. native mx, tx, (Rippel, Miller, Yamron, Lineback, Ball)
- 3390t ECUADOR R.Zaracay? 0745 SS LA mx, SS ann w/OM, no ID 9/24 (Hard-ester)
- 3395 DOM.REP. R.Santiago 0345 SS tx, LA mx, (Wallace)
- 3395 VENEZ.R.Universidad 1020-1035 t/o SS 9/22 anns, LA mx (Tuchscherer)
- 3396 NIGERIA NBC Kaduna ionospheric oddity on 9/25 w/flutter (Heavy) sorry lvl due to flutter ID at 2259 prior to nx for s/off at 2305 flutter noted on all Nigerian stas. not on other Ghana, Togo, Congo, Cameroon stas. most unusual (Henderson) 0600-0620 EE w/jazz & lcl mx, nx, ID (Orcutt)
- 3396 RHODESIA RBC Gwelo here w/exc lvl some QRM w/nx @ 0401 EE (Hender son)
- 3400 CHINA Fukien coming thru again from 1330 t/i to 1430/1500 f/o all CC, operates // 3535 both hrd here (Davis) 1155-1200t CC tx, by YL (Lineback)
- 3520t GALAPAGOS ISLDS check at 0230 deep in muck SS tx, mx 9/28 (Yamron)
- 3578 INDON. Bandiran 1240 Indo tx (Tyson)
- 3638 UNID 0504 t/i first three notes of "taps" on trumpet repeated till 0505:30 when OM tx in SS? with 5 figure # groups (Straus)
- 3668 TIMOR Dili 1052-1100 PP mx, soft orch mx, PP anns 1100-ID (Burlew, Henderson, Yamron) hrd from 1400 t/i to 1500 f/o 1400 PP nx, mx px @ 1415, often typical sad PP songs (Davis)
- 3762 INDON. R.Kuhang Indo songs 1035 (Tyson)
- 3778 INDON. R.Sumbawa Indo songs 1100 (Tyson)
- 3800 INDON. R.Jember Indo songs, anns 0955 (Tyson)
- 3805 INDON. RRI-Pandang Indo ads 1215-1230 (Tyson)
- 3885v CAPE VERDE ISLDS R.Clube 2310-0000* PP, pops, DJ's, ID @ s/off w/NA hvy QRM ARO'S (Mayer, Ralphus, Burlew, Yamron)
- 3915 MALAYSIA BBC 1225 t/i lang IS *1230 bells, then loud ARO w/wipeout (Odlin)
- 3925 PAPUA/N.G. VLK3 0940 banjo mx EE DJ 9/29 (CGDXA)
- 3925 JAPAN 1230 JJ // 3945, 6055 N.G. uderneath (Odlin)
- 3930 CAPE VERDE ISLDS R.Barlavento finally logged after many years of attempts. Guitar, gong & off at 0100 good lvl at times on 2 diff. occasions but ham QRM always tough (Dexter) tent. RB the one here in bits and pieces most days now around 2330 and later, never hrd much later than 0000, one day to 0010 another to 0006 possible closing time PP anns and most music not tied to any one area. ARO QRM (Ralphus) RB 2300 PP futebol scores poss. nx 2300 and "Riders in the Sky" - QRM fone sta. (Martin) 2155 Orch mx (Heutte) RB hrd 2340 9/1 w/nice piano mx, gong and more mx fair-poor, terrible ham QRM (Henderson)
- 3945 JAPAN 1230 JJ // 3925, 6055 not logged here in mos. (Odlin)
- 3960 MOZAMBIQUE R.Pax 0455 PP tx by OM, then PP ID 0500 9/29 (CGDXA)
- 3965 S.AFRICA SABC 2325 lite mx, EE nx, ARO QRM (Wallace) 0416 w/EE

- 3965 S.AFRICA(cont'd) ID & tx S9 & 40 on 180A (Henderson)
 3970 CAMEROON R.Buea hrd almost regularly 2145-2200* w/EE-FF anns.
 EE nx, nice lvl 9/25 (Henderson) *0529 mx,tx, under a ton of hams
 10/7 (Yamron)
- 3985 ECUADOR Radiof. Pop. HC tunes @0230 exc. some ham QRM (Ralphus)
 3995 SOLOMON ISLANDS SIBS 1041-1100 U.S. oldies, EE DJ, ID & ABC nx 1100
 S9 lvl 9/21 (Burlew)
- 3997 S.AFRICA SABC 0200-0400 usual px //3250 at least 02-0215 (Zilmer,
 Odlin,Wallace,Nebron)
- 4030 USSR Asian nf or sta. hrd here from 0600 t/i to beyond 0700 t/o,
 Carries regular Moscow HS gud signal (Davis)
- 4066.5 W.IRIAN RRI-Merauke 1040 Indo. 9/16 OM w/Indo tx, gud lvl, high
 QRN, exc & improving 1130 (Shaw)
- 4525 E.GERMANY DIZ-Naven time sigs 0005 but completely buried in RTTY
 (Heutte)
- 4635 USSR Tadzhiik R.Dushambe *0000-0130 RR nx by OM after s/on UTE
 QRM (Heutte,Henderson)
- 4656 USSR Azerbaidjan R.Baku hrd here at 0014 w/OM & mx by YL ann. btr
 than Dushambe but still poor (Henderson)
- 4670 UNID numbers 0110 EE 10/6 5 digit groups (Tuchscherer)
- 4679 ECUADOR R.Nac Espejo 0108 SS tx, ID's (Stephens) 0215 tx, mx, ID
 (Wootten) 0535-0615 (Orcutt) 1049-1105 (Patterson)
- 4689 BOLIVIA R.San Miguel hrd here 9/2 w/SS ads, anns by OM barely aud.
 0016 (Henderson)
- 4719 INDON. RRI-Pandang back here on 9/4 1234 Indo nx items (Tyson)
 4719 INDON. RRI-Makassar 1252, 1259 IS pips //4871,4931.5 etc. past
 1500 (Odlin) 1530 w/Indon & west mx (Treibol)
- 4755 COLOMBIA Em.Nuevo Mundo 1040-1106 SS LA mx Caracol ID (Patterson,
 Tuchscherer) 0415 (Martin)
- 4764 INDON RRI-Medan 1400-1515 t/o ID's 1500 //4719, 4855 (Odlin)
 4765 CONGO RTVC 2215-2230 FF tx; Afr mx, (Leonhardt)(Wiseberg) 0440-
 0505 FF Afr mx (Perdue,Lineback)
- 4770 LIBERIA ELWA 2235 Afr mx, EE rel tx (Lineback,Leonhardt) 0702
 EE nx QRN (Dexter)
- 4770 VENEZ. R.Bolivar 0140-0330 usual LA px (Stephens,Odlin,Wooten,
 Patterson) 0955-1015 (Earhart)
- 4770 ECUADOR R.Cenit. 0415-0430† LA mx "noticias del Ecuador" off w/
 "Stardust" (Perdue,Tuchscherer)
- 4775 DOM.REP. Onda Musical 2240,0220-0330,0400-0433* SS mx,tx,pops
 (Lineback,Odlin,Wootten)
- 4777 GABON Libreville 2125-2300* FF, Afr mx, chants off w/NA (Yamron,
 Martin,Ralphus,Leonhardt,Wiseberg,Ball,Lineback)
- 4778v ECUADOR R.Atahuaipa 0430-0615 LA & Andean mx, tx, vocals (Perdue,
 Earhart)
- 4779+ ECUADOR R.Progreso 0530-0659 Ecuadorian mx, ID as R.Progreso Loja
 at times R.Nac. (Sparks,Earhart)
- 4780 HOND.REP. R.Juticalpa TC's & MoR orch select. 0200-0215,0204 ID,
 (Ralphus)
- 4780 ECUADOR R.Progreso exc. lvl 0645 Andean mx (Dexter)
- 4781t MALI Bamako 2246 mx 9/29 (Lineback)
- 4782 DOM.REP. Onda Musical SS ads, for lady's dress shop, East.AirLines
 etc. 1047-1103 (Patterson)
- 4785 USSR Azerbaijan 2140-2145 nice ID, piano mx till 2200* 9/25 (Hndr
 son) 9/28 1st recep. this year (DX season) RR & orch mx, clear &
 good, last year 1st hrd on 10/24, by all indications this should
 be a heck of a DX year on 60 & 90 (Heutte)
- 4788 TURK & CAICOS ISLANDS VSI8 Grand Turk 2125-2135* relaying AFRTS nx,
 NBC Skylab report, abruptly off 9/29 also past 2150 10/9 w/AFRTS
 relay (Heutte) 2101-2200* US soul pops, nx & hurricane watch 9/22
 Sat's only (Estes) 2126-2136* 9/14, 2130-2200* 9/15, w/EE announc-
 ers, pop records off sometimes w/o ID fair 9/14, better 9/15
 (Henderson) 2145-2202 abrupt off 10/16 w/o ID, 2145 VOA nx in prog.
 exc. sig. (Straus) hrd also 2151-2205 w/ US soul pops (Straus) reg.
- 4790 PERU R.Atlantida 0210-0456 SS pop mx, ID's, ads (Sparks,Leonhardt)
- 4791 ECUADOR Em.Atalaya 0340-0400+ SS mx, quiet ann'cr but echo chamber
 ID's (Odlin)
- 4795 BRAZIL R.Congohas 2230-2335, ID on hour, choral organ excerpts,
 YL ann'cr (Dexter,Ralphus)
- 4795 ECUADOR LV del Caras mx, ID & 0421* (lost name -ed. sorry)
- 4800 VENEZ. R.Lara 2330-0330 SS, ads, ID's, het & UTE (Wiseberg,Martin,
 Rippel)
- 4805 BRAZIL R.dif. do Amazonas 2300-2305, 2300 nx, PP (Mayer,Ralphus)
- 4807t REUNION St.Denis 1840 FF choral singing, off 1900 w/NA- not the
 Marselaise (Martin)
- 4810 VENEZ R.Popular 0000-0358* SS LA&NA pops ads (Patterson,Gendron,
 Agner)

- 4815 UNID 0500-0530* SS 10/1 only tx by OM, mx bckgrnd (Tuchscherer)
 4815 PERU R.Samarin rptd to be former Amazonas, fair w/ID @ 0418 (Dexter pop mx, ID 0445 s/off 9/25 (Sparks))
- 4815 UPPER VOLTA Ouagadougou 2230 FF OM nx, cmtry, Afr mx (Ralphus, Martin)
 0620-0650 FF mx, tx (Earhart) 2155 FF anns., mx (Estes)
- 4820 HONDURAS LV Angelica 0420 EE rel tx (Martin)
 4820 UNID R.Catolica pop mx, many ID's & cuckoo calls on 9/25, s/off 0515 w/no clue as to location (Sparks)
- 4820 ECUADOR Paz y Bien 9/24 from 1015 w/"musica ecutorian" (Field)
 4820 GAMBIA Banjul w/YL EE tx @2235 dunno if always sked this late or just for Ramadan (Ralphus) 0657-0715 EE BBC nx, nat'l nx, vern., mx, (Earhart, Ball)
- 4823 BOLIVIA R.Grigota 0535-0605 w/Andean mx, YL ID @ 0555, past hr w/nice mx, (Heutte, Earhart)
- 4823.5 ECUADOR Luz y Vida well over S9 w/Andean mx well past 0600 no ID noted (Dexter)
- 4825 USSR R.Ashkabad Turkistan SSR here at 2123 w/RR px, nice mx, some het, no def. ID hrd tho lvl not too bad, hrd once (Henderson)
- 4825 USSR Yakutsk RM HS RR tx 1017 (Tyson)
- 4830 THAILAND RT 1510 short tx, class. mx, in Thai (Tyson)
- 4830 VENEZ R.Tachira *1010 complete ID & ranchera mx, to past 1100 (Field)
 4832 COSTA RICA 0330-0500 the usual SS, ID's, TC, mx, ads (Koziomkowski, Patterson)
- 4835 MALAYSIA RM ID 1500 then local singing in Malay (Tyson) 1530-1600* w/NA lovely mx (Odlin)
- 4840 VENEZ. R.Valera 0245-0500 SS, ID, mx (Sparks, Lineback)
 4840 INDON.RRI-Ambon 0920 Indo songs anns (Tyson)
- 4845 COLOMBIA R.Bucaramanga 0035-0355* SS mx, tx, mixing w/Valera (Yamron Heutte, Sparks) 1015 SS mx (Straus)
- 4845 BOTSWANA RB 0404-0430 EE-Vern anns, pops EE ID 0420 superb sig. S9 & 10 on 180A (Henderson, Sparks) (Mayer, Ralphus)
- 4850 MAURITANIA Nouackhott 2200 AA chants (Leonhardt, Yamron) 0730 AA tx by OM in FF, AA chants s/off, w/NA sat.nites (Lineback)
- 4855 GHANA Accra 2255-2302* lang. s/off w/NA 9/29 (Lineback)
 4855 COLOMBIA R.Neiva 0242, ID's, voclas, TC, 1st time hrd in many yrs (Dexter) 0300-0345 sports till 0330m ID into mx (Leonhardt) 1015-1025 SS mx, tx 1020-ID (Straus) 4856 1000 past 1030 freq. ID, TC, ballads, this one has ID*ed (Ralphus)
- 4855 MOZAMBIQUE IM daily 2130-2200 PP anns, mx (Heutte)
 4855 INDON. RRI-Palembang (List) 1500+ Indo/EE 'B' net px//4719,4926.4, 7270 etc. to 1515, 1533 EE ID (Odlin)
- 4855 UNID apparent Latin tho nondescript mx fr. 0709 to past 0730, no tx noted, really in the mud (Dexter)
- 4860 VENEZ. R,Maracaibo 0424-0437 SS pretty & lively LA mx, TC, ID 9/25 (Patterson) 0915-1000 SS, ID's mx, tx, (Wiseberg)
- 4862 AZORES Ponta Delgada 1900 PP, ID & IS 1900, m&w anners, pops (Martin) 4865 Em.reg. OM in PP 2234 9/15 QRM (Mayer)
- 4865 BRUNEI RE 1400+ YL tx "Inilah R.B." 1431* w/NA, GSTQ (Odlin)
 4865 BRAZIL R.CL do Para 0242-0305 PP px, w/lcl & LA mx (Orcutt)
 4866 COLOMBIA LV del Cinaruca fair at 1005, MoR orchls, 1015-ID, (Ralph)
 4870 ECUADOR R.Rio Amazonas extremely readable sig. w/folk sgs fr. 1058 t/i into Quecha or Indian lang. (Ralphus) 1108 hymns, full ID-1114 Indian flute mx, Jivaro lang. px 9/29 (Sparks)
- 4871 W.IRIAN RRI-Sorong 1150 t/i Indo mx, & YL tx 1159 // 4931.5, 5046 etc. to 1215 // again 1300 (Odlin)
- 4872 CAMEROON Yaounde 2145 singing, Afr mx, FF RRTY QRM (Yamron)
 4875 BOLIVIA Cruz del Sur 2300 nx, ads, mx (Wootten) fine lvl at 1030 OM lang tx (Ralphus)
- 4875 PAKISTAN Karachi Turk nx 2050, NF ex-4975, new time for this svc. ex-1900-1945 9/8 (Padula) 1930 EE tx re: U.N. (Martin)
- 4877 S.VIETNAM Saigon w/clear sig. at 1445 on 9/16 m&w in VV and orient al mx (Treibol)
- 4880 ZAIRE Kinshasa 2000 FF nx (Wootten) 2245 9/15 lcl mx, FF tx // 15245 (Mayer)
- 4880 VENEZ. R.Universo 0005-0225 LA mx, ID's, anns, pops (King, Wiseberg Perdue) 1030 (Odlin)
- 4882v DOM.REP. R.Comercial 0205-0920 SS mx, ads, (Sparks, Odlin, Wallace, Wootten, Martin, Tyson)
- 4885 ANGOLA noted around 2000 to s/off 2102 w/PP regular DSWCI reports as Em.Reg. Teixeira da Sousa w/5kw. 9/27 (Padula)
- 4885 COLOMBIA Ondas del Meta 1000 SS, LA mx, ID's (Odlin)
 4885 INDON. RRI-Bukitting ID 1500 as RRI Programa Nasional Bukitt. then nx relay from Jakarta (Tyson) t 1500-1515 // 4719,4926.4 etc. Buki tt. list but seems stronger than 1 kw. Is Surakarta perhaps react-

- 4885 INDON (cont'd) vated (Odlin)
 4885 UNID 10/9 2150-2201* w/AA chanting, FF anns, YL ID 2153, close w/6 time pips, ID "Ici....., bonne soir" anthem, good sig. but low modulation (Heutte)
 4886 PERU R.Villaria Andean mx & ID 0530 9/23 (Sparks)
 4890 PAPUA/N.G. ABC Port Moresby 1040-1112 EE nx, native mx, (Rowan, Yamron, Miller)
 4890 VENEZ. R.dif. 0340-0403* SS, tx, ads, at s/off read names of staff YV NA 9/23 (Patterson)
 4890t MOZAMBIQUE R.Cl Beira 0714-0732+ FF? 9/16 group chants w/drums & guitar, m&w anners sound like musical ads, hi QRN (Perdue)
 4890 HONDURAS R.Lux fine sig. 1110-1130 no ABC yet this date, playing ranchera mx, MoR, and freq.ID's "Musica por Vds" (Ralphus)
 4895 N.VIETNAM Hanoi 2300 VV poss. nx-2300 after ID & NA, m&w anners (Martin)
 4895 PERU R.Chanchanayo final ID 0500* anthem 9/19 (Sparks) spectacular lvl on very selective Ecuad. nite 9/9 0555* (Dexter)

A warm welcome to Gerry Dexter, Dan Henderson, hope to hear much more from you. 73's for now ----ERS

HEADQUARTERS NOTES (These seem to show up everywhere!) Charlie Loudenboomer is alive and well! A couple of his reports disappeared, and have not turned up yet, and did that turn up the fire in Charlie's typewriter! Charlie will be back next month!

60 METER BAND SURVEY by the Australian Radio DX Club! Covers all stations between 4698 and 5100 kHz, heard in Australia, with fade-in, fade-out, s/on, s/off times, languages, etc. Copies to non-members of ARDXC are 2 IRCs (seamail) or 6 IRCs (airmail to NA). Orders to ARDXC, P.O. Box 227, Box Hill, Victoria, 3128, Australia. (Bob Padula)

Australian Note On October 28, Daylight Time was introduced in Australia for some states. Schedule changes resulting are as follows. ABC Domestic SW services from Sydney and Melbourne will be one hour earlier. 6090 kHz at 1900-1302, 11880 at 1900-2115, 15230 at 2130-0715, 9680 at 0730-1300 & 2115-0730(I get that right,Bob?), 6150 at 1900-2100 & 0730-1302. (Bob Padula, ARDXC)

NEW ITEMS AVAILABLE FROM REPRINT MANAGER, ED SHAW, 621 BURLEIGH AVE., NORFOLK, VA 23505

VIETNAMESE LANGUAGE REPORT FORM - - - - - 30 cents postpaid in NA
 Overseas: 2 IRCs (4 IRCs airmail)
 49 METER BAND SURVEY (17 pages) - - - - - \$1 postpaid in NA
 Overseas: 6 IRCs (8 IRCs airmail)

EE to NA LIST Latest word from compiler Scott Reeves is that this list will be complete by the end of November. Watch the December FRENDEX for announcement. We expect to be able to keep this list updated regularly, providing NASWA members with yet another valuable aid to their listening.

The NASWA RUBBER STAMP IS NOT CURRENTLY AVAILABLE, but we should again have a supply in a couple of months.

ADDRESSES HAMMARLUND MFG. CO., 20 Bridge Avenue, Red Bank, NJ 07701.
 Lafayette Radio Electronics Corp., 111 Jerico Turnpike, Syosset, L.I., NY 11791
 (Thanks Bill Paschke)

PARTRIDGE EQUIPMENT I have brochures & prices on these products. (Bill Paschke, 855 Elm Street, Beloit, WI 53511.

SPEEDY PUBLICATIONS.. Available from SPEEDYTRAS, 780 NW Wallula Ave., Gresham, Oregon, 97030. SINPO Language Aid (LIRC + SASE)...Embassies Located in Wash. DC(1 IRC + SASE) Why & Wherefore of Verification (SASE)...Calibrating Receivers with Sliding Pointer Dials (SASE)...Using the SINPO Code(SASE)...World Utility DXers Handbook, \$7.95.

HELPING HAND SW4A with 14 crystals, no speaker - \$240. Ed Insinger, 24 Madison Ave., Summit, NJ 07901. (My apologies, Ed, for being so slow getting this ad in FRENDEX.)

(NOTE: There are no charges for HELPING HAND ads. DF)

Note to John Kolb - Thanks for the viper!

HAITI - R.4VEH A letter from the station, misplaced during the move from apt. to house here recently, has just been found as I type this. The note that IRCs are almost impossible to redeem in Haiti. Listeners desiring airmail response should include three 8 cent US stamps. They also indicate they have dropped 2450, and are now using 3340 kHz, instead. (Dan F.)

- 4900 VENEZUELA R Juventud 0000 SS talk, IDs, getting better 0125 PF (Wallace) You sure about this, Steve? Been off air for more than a year; nothing heard here. FH
- 4900 SULAWESI RRI-Gorontalo II talk, ID 0933 RRI Studio Gorontalo (Tyson-Pac)
- 4904 CHAD Ft Lamy 2113-2200 FF 311 afro mx, FF anmts 10-6 (Gendron) 2140 African mx P (Yamron) 2159 FF 9-17 FF man weak, anthem 2202 (Shaw)
- 4905v COLOMBIA Em Atlantico 0244 SS 211 LA mx, DJ talk 9-16 (Gendron) 0305 SS 9-10 usual SS pops 434 (Rippel) 0420 SS LA mx, strong with ID 0420 (Martin-Eu) 0445-0735 plus, SS 9-16 LA mx, talk, IDs, exc (Perdue) 0502-0521 SS with good LA pop mx, many IDs Est as Emisora Atlantico, TCS, 43353 9-2 (Patterson) 0538 pop mx & ID 9-19 (Sparks) 0815 SS mx, IDs, QTH given, jingles, VG over hash always here (Odlin)
- 4908v KHMERE REP Phnomh Penh YL talk, man, all lang 1114-1117 almost readable (Reeves) 1200-1215 lang, choral singing and mx, talk by man; strong carrier but weak modulation 10-18 (Heutte) 4910t 1830-1900 different types of mx including martial airs, W ancr, strong sig (Martin-Eu)
- 4914v MANCHURIA Harbin KK anmts, rev songs 0910 (Tyson-Pac) Chants 1118, het (Reeves) CC ID, EIR 1200, talk or news P (Heutte)
- 4915 COLOMBIA R Guatapuri 0015-0040 cmtry pgm, chimes & ID at half hour (Perry) 0152 SS 9-19 LA mx, talk, ID G (Perdue) 0315 noticias, ID 9-20 (Sparks)
- 4915 GHANA RG 0610-0620 N:E, mx, talk in lang 333 9-9 F (Earhart) 2215 vernac, 2245 N:E G (Yamron) 2245 N:E G (Ball)
- 4920 AUSTRALIA VLMA 0715-0830 44434 mx pgm, drama serial, still audible past 0830 (Wootten) FB, Charley, and good luck with your RRI! FH 1000 EE opera, song pgm (Rowan)
- 4920 HONDURAS R Progreso 0035-0100 frequent IDs, news show, great lvl (Perry) 0213-0245 SS pgm rock & LA mx, IDs, talks G (Orcutt) 0345 SS, LA mx, TCS, IDs, ads G (Ball) 0420 SS slogan La Voz de un Pueblo en Marcha, N:S (Martin-Eu) Noticias, IS 0500, 0508* 9-20 (Sparks)
- 4920 INDIA AIR-Madras continuous sitar mx 1454-1505 tune-out, YL in lang 1500 (Williams) USSR RM-Kiev RR HS? nice mx, talk 2120, ID 2129 mentions Kiev G (Henderson) 2145 GG to Eu, talks G (Heutte)
- 4923 ECUADOR R Quito 0100 N:S, ads, LA mx, chatter E (Heutte)
- 4925 MOÇAMBIQUE RCM 9-5 9-8 9-13 *0300-0400 EE anmts, US pops, nice sig (Henderson)
- 4926 EQUATORIAL GUINEA R Bata, R Equatorial, 2120-2200*, nice lvl though heavy ute, SS & vernac, ID, NA 2200* all on tape (Henderson) 2230 CM SS talk, ID, into African chant, sked? Ramadan? (Perry) Date heard? FH
- 4927 SUMATRA RRI-Jambi II songs 1055 (Tyson-Pac) 1500 plus, II IS dual 4855 7270 etc 132 P (Odlin)
- 4930t ARMENIA Yerevan 1845 53433 RR all mx, no anmts (Wootten-Afr)
- 4930 DOMINICAN REP R Mil 0010 SS 9-25 ID, ads, LA mx PF (Miller)
- 4932 JAWA RRI-Surakarta 1110 fair male anmt in lang, s6ft mx (Estes) 1140 YL in talk, mx F 9-20 (Henderson) 1145-1200 very readable singing, talk, chimes, 6 pips, clear RRI ID by man, woman talk 10-18 VG (Heutte) 1200-1215, 1300-1315 IS, N:I dual 4871 5046 333 (Odlin)
- 4932 NIGERIA NBC-Benin City 2230-2305*, US C&W mx, chorals, NBC nx 2300 F 9-23 (Mayer)
- 4935 PERU R Tropical 0330 full ID F (Dexter)
- 4936 ANGOLA R Clube do Lobito 2240-2301* African mx, PP anmts (Perry)
- 4940 ECUADOR R Nac exc with ID, Indian Love Call 0317 (Dexter) Been inactive a while. FH
- 4940 IVORY COAST RTVI 2230 FF talk FG (Estes) 2245 FF rel pgm, talks VP (Wiseberg) 2305 Afro mx F 9-29; 2300-2310 FF anmts, FF & EE pops, super level 9-15 (Lineback)
- 4940 VENEZUELA R Yaracuy IDs, LA mx 2236 G (Potter) 0150 SS 9-19 US pops, IDs E (Perdue)
- 4945 COLOMBIA R Colosal 0500-0715 EE & SS pgm IDs International Svc of R Colosal, asks for reports from SWTs and hams 9-1 (Orcutt) 0515 SS LA mx F (Guarducci) 0515 54444 SS Colombian folk mx, ads, EE IDs, freqs, TCS every five or ten minutes (Wootten-Afr) 0550 LA mx, EE ID 0600 G (Rowan)
- 4950 SARAWAK RMS-Kuching 1106 indigenous mx G (Reeves) 1225 YL ancr, ID, 6 pips, then in seeming CC (Odlin) 1125 EE talks, and EE sked: 1100-1230, 1445-1600 on 4950; also 0500-0530, 2330-0100 on 4950 7160 (Rowan)
- 4955 COLOMBIA R Nac 0050 SS 9-19 SS pop mx 443 (King) 0100 SS talks, IDs, mx VG (Wiseberg)
- 4960 ECUADOR R Federacion 0215-0231* SS 9-27 light mx (Tuchscherer) t 0157-0214 down in mud; Andean tunes 1116, not Sucre but not IDed (Perry)
- 4960 VENEZUELA R Sucre 0330 SS Rumbos network mx F (Ball)
- 4965 COLOMBIA R Santa Fe 0450 SS mx F (Guarducci)
- 4965 SOUTH AFRICA SABC 2310 weak EE talk by man, low mod (Wallace) You sure about this one Steve? Unusual time and hasn't been noted here for a while; signal usually strong in any event. FH
- 4966v ANGOLA R Clube de Malange PP talks 1845 (Tyson-Pac) (Odlin)
- 4970 SABAH RMS-Kota Kinabalu 1445 nice mx, 1500 YL ID, 6 pips, OM ID, chanting past 1600
- 4972 CAMEROON Yaounde fair 0500 EE talk, soft mx (Estes) t 0520-0530 vernac, talk by M, fading 9-27 P (Lineback) 2120 FF local mx, talk in FF (Martin-Eu) 2130 FF 9-14 Unusually strong, local mx 322 (Rippel) 2225 CM FF mx, comment, big level, slight ute spill (Perry) 2245 N:F, African mx F (Ball)
- 4972 FRENCH GUIANA CRTF-Cayenne nice listening 0934, CM in FF, (Perry)
- 4974t BRASIL R Copacabana PP sports 9-26 0015-0100 F, also 10-13 PP talks over R Del Pacifico 0300-0345 10-13 (Reeves) R Timbira 9-26 0015-0100 PP soccer, mentions of Sao Luiz (Heutte) Scott and I heard it at the same time, but we sure don't agree!
- 4975 PERU R Del Pacifico classical mx, ID by CM 0411, fair with RTTY GRM 9-23 (Mayer)
- 4980 GHANA GBS-Ejura 0610 EE 9-15 N:E ends 0607 444 (Rippel) 2202-2232 African group singing, American folk tunes, no anmts to 2231, then EE 9-15 333 (Earhart)

- 4960 CHINA RP revolutionary songs 1215 10-20 F (Heutte)
- 4965t ANGOLA R Clube de Malange 2155 PP 9-18 weak vocals under horrendous QRM; definite PP hrd, African format (Shaw)
- 4980 GHANA RG-Ejura 2245-2255 EE nx by man F (Lineback) 2250 N:E F dual 4915 (Ball)
- 4980 VENEZUELA Bco del Torbes 0244-0301 LA mx, intermittent SS ID 343 F (Earhart) Also ID as LV del Torbes (Mayer) 0310 SS mx, nx F (Guarducci) 0340 EE ID, freqs for entire network, back to SS mx, talks, best LA on band 9-13 (Henderson)
- 4985 ANGOLA R Ecclesia 2215 PP, pop mx F (Heutte) t 2150 PP 9-17 soft mx, OM with droning talks, three songs like NBC at hour (Shaw)
- 4985 MALAYSIA RM-Penang weak with lang talk 1157 (Heutte)
- 4985 MALAGASY Tananarive on late with special pgm 9-8 2100-2115 and later E (Padula-Pac)
- 4990 NIGERIA NBC-Shogunle 0550 EE 9-15 N:E 0600 after IS repeated 233 (Rippel) 2210 mix Changsha with violin mx (Tyson-Pac)
- 4990 VENEZUELA R Barquisimeto SS talks 2145, ID 2148 P (Potter)
- 4993v BRASIL R Brasil Central 2300 N:P, ID, mx, irreg operation, freq., power down? F (Ball)
- 4995 PERU R Andina 0520 Andean songs, ID 9-19 (Sparks) t 0345 old records, SS & EE hrd in ads for OTV, 'get a sample special' (Martin-Eu) 4996 0019 SS mx and excited M ancr, ID 222 (Odlin)
- 5000 NEPAL Kathmandu 200 Hz off WWV; 1220 10-21, some mx hrd during WWV SP; first logging of the season here (Heutte) 1645 Nepalese mx, talks, IBF QRM but readable (Wootten-Afr)
- 5010 CAMEROUN Garoua 2040 9-18 AA, FF, local lang E (Henderson) 2130 fade in, FF, African vernacs to 2200* (Perry) 2145 FF 9-18 native rhythms & vocals, M host F (Shaw) 0507 FF 9-15 chants 232, unreadable before 0500 because of QRM (Rippel) 2140 typical African mx to 2200*, also at 0506 with chants (Yamron) Nice talking with you, Larry! FH
- 5010 DOMINICAN REP R Cristal ID by M 0255, SS tropical LA mx, 9-27 F (Mayer)
- 5010 PERU R Eco 0419 mx, commercials, ID G (Dexter)
- 5015a ECUADOR R Centinela del Sur, SS 0408-0415* with rather pretty Andean mx, ID Transmite R Centinela del Sur, brief playing of NA 9-2 42353 (Patterson)
- 5015 GRENADA RG S9-plus BBC nx 2325, accented M (Perry) 2315 N:E, talks, poor with het (Wiseberg) 2323-2345* EE, nx by M&W, announce closing of xmsn on 5015, continue on 3300, off with amrt 10-6 F (Lineback) 2330 EE talk by M&W F (Wallace) 0000 EE 10-2 quiz show, political talk 353 (King)
- 5015 USSR-ASIATIC Vladivostok 1110 check with M&W RR dialogue (Perry) 1115 classical mx weak 9-19 (Lineback) 1130 RR talk, classical mx F (Estes) 1200 RR YL amrts, light mx, still not up to midwinter par, kinda weak (Heutte) Local IDs 1330, 1345, 1355; 1330-1345 usually local mx pgm; 1345-1355 preview of next day's sked; 1355-1400 short RR talk, NA, a few records, then rejoins Majak pgm; 1500*-1600-1700 fade-out (Davis)
- 5020 NIGER Niamey *0530 flute IS, FF M, anthem 9-15, bang-up African night (Rippel) 2300 FF 9-15 M closing remarks in FF, flute IS to 2300*, weak (Shaw) 2150 surprising level 9-18 to 2200*, FF mx, amrts, only F (Henderson)
- 5025 PERU R Quillabamba 0228-0310* SS 9-20 mostly M talk, US oldies, NA* (Tuchscherer) 0250 Andean mx fair level, ute QRM (Dexter)
- 5026 UGANDA Kampala 0410 EE pop mx, IDs, 9-13, best Ugandan opening in years (Henderson)
- 5027a BRASIL LV de Sao Francisco 0155-0215* PP 9-20 M talk, close with 76 Trombones (Tucher)
- 5030 COLOMBIA Brisas del Citara, HJAT, Quibdo, new station in same net as Ondas del Darien; 0100 N:S, ads, mx, mixing badly with Continente (Heutte) Intermittently heard at good level to 0400* (Dexter) 1030-1100 fadeout, wants reports (Lohe) In Cadena Radial Porvenir network (Perry) 1 kW (Lohe) Well, this came in from left field all of a sudden; it's the only 60 meter Colombian on an even channel (Heutte)
- 5030 ECUADOR Ondas Canarias 1045 SS 9-9 SS OM, ID 1100, mentions Ecuador often F (Shaw)
- 5030 VENEZUELA R Continente 0130 SS 9-19 LA mx, talk, ID G (Perdue) 1013 SS nx bulletin, amrts (Tyson-Pac)
- 5033 ANGOLA R Clube Cabinda 2230 pop mx pgm, faded out 2245 P (Henderson) t PP talk, very weak 2220 (Yamron)
- 5035 COLOMBIA LV de Caqueta fine level 0403 ID, anthem (Dexter) 1054-1115 good ID on hour, musica Colombiana, etc (Perry)
- 5034v CENTRAL AFRICAN REP Bangui 1945 FF amrt, nx, W singer (Martin-Eu) 2245 FF 9-14 usual local African mx, etc (Rippel) 5038v 2145-2300* FF African mx, NA G (Estes) 2210 FF light mx, strong (Yamron) 2220 pops P 9-29 (Lineback) 2300* anthem 9-19 G (Potter) 2300* classical mx, FF ID G (Wallace) Now back on 5038v as measured 10-19 (Heutte)
- 5039 SUDAN Ondurman 0315 AA 9-15 muzzim reciting Koran, well hrd (Shaw)
- 5040 ECUADOR R Nac Espejo 0540 SS local mx, pops, strong CW QRM (Martin-Eu)
- 5041v PERU R Libertad de Junin Andean mx, ID 0510 9-19 (Sparks) 1120-1135 Andean mx, accordions, flutes, fine IDs and TCs (Perry) t 0600 Andean type mx (Martin-Eu)
- 5045 BURMA Rangoon 1340-1440 three straight days, usual pgming, what gives? (Williams) They're supposed to move to 5020, Dave. Guess we can say goodbye to Colombo theret FH
- 5047 JAVA RRI-Yogyakarta II songs 1115, amrts (Tyson-Pac) 1126 II, 1130 EE ID, N:E by M, 1159 and 1259 IS dual 4871, 4931 etc 323 (Odlin)
- 5047 TOGO Lome *0530 IS, FF E (Estes) 0540-0545 FF, vocals in EE, amrts in FF 9-27 G; 2218 EE pops, African mx 9-29 P (Lineback) 2045 FF 9-14 African local mx, M ancr 222 (Rippel) 2100 fade-in FF, sounds like its in the backyard! (Yamron) 2233-2301* light mx, FF ID, nx, anthem G (?)
- 5050 VENEZUELA R Mundial 0030-0100 SS, SS mx, IDs, ads, poor under CW (Wiseberg) 0145 SS mx, ads, IDs FG (Estes) 0430 SS mx, ID by M, poor but readable (Odlin)
- 5054 CELEBES RRI-Ujungpandang 1105 II 9-16 M with nx, pops, high noise but E (Shaw) 1110 II talk (Tyson-Pac)

- 5055 BRASIL R Vitoria PP amts, ads 0925 G (Perry)
- 5060 SOUTH YEMEN Aden 1450 AA songs, short amts (Tyson-Pac) 2125-2200* AA, ute QRM, AA chants (Henderson)
- 5065 KARELO-FINNISH SSR Petrozavodsk M&W RR talk under RTTY 0345 9-13 first logging this fall (Henderson)
- 5065 Cf Sept IR, this one an image from 5965 VOA-Munich (Tuchscherer)
- 5075 COLOMBIA R Sutatenza 0915 SS amts, frequent IDs (Tyson-Pac)
- 5095 COLOMBIA R Sutatenza 0050 SS talk, amts E (Stephens)
- 5568 COLOMBIA Ecos del Puerto Martinez 9-20 0104 SS amts, noticias mentioned, variable reception (Agner)
- 5804 YEMEN Sana 0400 AA 9-23 AA slow chants 333 (Rippel)
- 5873 HONDURAS LV de Honduras 0030-0100 SS, many IDs, talks, ads, religious mx, fair with heavy QRM and some CW QRM (Wiseberg)
- 5900 USSR ASIATIC Heard from 0745 fade-in to 1600 fadeout; changes from Home Service to Majak at 1530; usually het from strong ute (Davis)
- 5910 USSR ASIATIC Another new one, or perhaps same as heard a short while last winter; good at 1530, then fading, weak by 1615; regular RR Home Service (Davis)
- 5930 CZECHOSLOVAKIA R Prague 0110 54445 EE commentary, news (Kagey) 0110 EE to NA F (Stephens)
- 5946 Unid, slow mx and talk in lang 0540, unusable 9-2 on LSB (Burlaw)
- 5955 COSTA RICA R Casino 0545 EE pop mx, IDs, call letters, to 0601* (Odlin)
- 5955 GUATEMALA TGNA 0400 EE religious pgm G (Ruptash) 0415 religious pgm dual 3300 FG (Estes) Some LA mx, mostly commentary, dual 9505, 0430* E (Rowan)
- 5960 CANADA RCI EE Northern Svc 0059 signing on for 6 hour pgm F (Stephens) 0626 N:E(Rowan)
- 5965 Unid, presume Botswana, VOA-Greenville off 0730-0734, African music, vernacs F (Hermann) For receptions like this the date will be most helpful. FH
- 5970 DOMINICAN REP RTV Dominicana 0225 SS version of US songs FG (Brock) SS ID 2126 G (Potter) Welcome back, Pauline. FH
- 5970 PERU R El Sol 1150 SS 9-30 dreamy LA mx, ID PF (Miller)
- 5975 BOLIVIA R Nac 1030 ID, noticias, many ads repeated for 7-Up, etc. 9-9 (Sparks)
- 5975 ENGLAND BBC 0115 55555 Outlook program (Kagey)
- 5980 EL SALVADOR YSS SS amts about QSL cards, ID 0200 444 (Agner) 0300 SS 9-25 pop mx, heavy BBC QRM 524 (King) SS ID 2130 FG (Potter)
- 5987 CELEBES RRI-Menado 1145 lang talk, mx F (Estes) 1145 II 9-16 M hosting pop mx, ancr using echo chamber F (Shaw) 1235-1250 10-21 US pops, W ancr G (Heutte) 1200-1215, 1300-1315 II dual 5046 7270; local Menado ID 1320 (Odlin)
- 5995 AUSTRALIA RA mx, talks, strong (Wallace) Se hace falta del tiempo, amigo. FH
- 5995t MALI Bamako N:F, amts at 0000*, down in mud, but who else could it be? (Agner)
- 5995 MOROCCO VOA-Tangier 0700-0730* Breakfast Show news, EE FP (Hermann)
- 5995 VATICAN VR 0105 55555 EE lecture of Diaspora of Judaism, ID 0115 (Kagey)
- 6000 BRASIL R Inconfidencia PP sports, ID 0100 211 (Agner) t 10-4 PP sports (Mayer)
- 6000 USSR R Moscow 2030 54434 RR comment, news, talks (Wootten-Afr)
- 6006 COSTA RICA R Relej 0131 SS amts, IDs E (Stephens) 0507 SS talks (Rowan) 0740 SS mx, ID (Kozimkowski) 0945 SS 10-8 mx 344 (Custodio)
- 6010t URUGUAY R Sarandi 0230 9-24 SS talk, mentions of Sarandi 23432 (Brock)
- 6010 VENEZUELA R Merida 0030-0040 SS ID, TC, meringues, weak but clear (Heutte) 1100 (Lohe)
- 6015 COLOMBIA R Mira *1100 (Lohe) 1115 SS 10-4 talks, mx 422 (Zilmer)
- 6015 PARAGUAY Em Paraguay 0920-1030, ID 0930, Paraguayan pop mx; still has same address and Director is verie signer (Lohe) Ernie has a nice QSL letter from this one. FH
- 6015 USSR Majak here 0200-0400, no flutter; Arctic xmtr site? (Lohe)
- 6020 VENEZUELA LV de Anaco fine strength, background QRM at 0220 tune (Dexter)
- 6025 PARAGUAY R Nac 2330 SS talks, ID 2345 (Straus)
- 6025 PORTUGAL RP 0740-0747* PP talk, choir mx, ID 0744 9-8 333 (Earhart)
- 6030 GERMAN FEDERAL REP Suddetscher Rundfunk 2136 43323 GG, mostly talks, mx (Wootten-Afr)
- 6040 COLOMBIA LV del Tolima 0315 SS 9-27 talk, mx 433 (Zilmer)
- 6040 Unid African 0430 9-13 African type mx here, no Africans listed 343 (Rippel)
- 6045 JAVA RRI-Jakarta 1200-1215, 1300-1315 II dual 5987, 5046 etc 344 (Odlin) N:I 0835 (Tyson-Pac)
- 6045 PERU R Santa Rosa 0330-0340 10-2 talk, mx 333 (Nebron)
- 6045 SWEDEN RS 0300 FF, 0330 EE, 0400 Swedish F (Behr) 0330 9-4 EE mx, cmtry, mx (Earhart)
- 6045 LIBERIA VOA-Monrovia 2200 43444 N:E, etc (Wootten-Afr)
- 6045 USSR R Moscow 2200 43444 N:E, beamed to UK, dual 6055 (Wootten-Afr)
- 6050 ENGLAND BBC EE religious format 0530 9-2 F (Burlaw)
- 6050 ETHIOPIA ETLF 0415 Lang 9-13 sign on here after IS, not listed WRIVH 332 (Rippel)
- 6055 JAPAN NSE SS talk 0835 (Tyson-Pac)
- 6055 RWANDA Kigali 5-13 September *0330 (Henderson) I'm a little confused, Dan. FH
- 6055 USSR R Moscow 2218 54444 EE, talking about Soviet law, dual 6045 (Wootten-Afr)
- 6055 USA UN Radio 0500 N:E F (Guarducci)
- 6060 ITALY RAI 2304 43433 EE mx for three minutes, then half hour of mx (Wootten-Afr). t 0640 9-23 discussion (Rippel) 0330-0400* II mx F (Guarducci)
- 6065v COLOMBIA R Super 0001, 0540 9-11 SS, LA mx, talk, IDs E (Perdue) 0400 M ID, LA mx, 10-3 F (Mayer) 0510 M ancr in SS, vocal mx, TC, IDs 9-24 323 (Hardester) 0650 SS, frequent IDs (Rowan) 0730-0800 SS mx, frequent IDs, good, het CRI (Wiseberg)
- 6065 SPAIN RNE 0050 55444 IS, EE ID (Kagey) 2150 9-9 IS heard with LDE of one second; Sweden QRM (Shaw) LDE is long delayed echo, peculiar of multi-path or 'cosmic repeater' reception. FH

- 6070 CANADA CFRI 0400 EE mx, ads F (Guarducci) 1900 5555 CFRB relay (Kagey)
 6070 ECUADOR R El Mercurio 0445 tune mostly mx, ID 0501, anthem and off (Dexter)
 6070 VENEZUELA R San Sebastian mx, TCs, fast IDs (Dexter)
 6070 WEST IRIAN RRI-Jayapura 1200-1215, 1300-1315 II dual 5046 6045 etc 434 (Odlin)
 6070 Unid, definite LA stn here 0130-0215, all SS rock mx, DJ, mention Costa Rica 0200, 9-10 F (Burlew)
- 6075 GERMAN FEDERAL REP DW 0140 EE, talk, mx G (Stephens)
 6076 HONDURAS LV del Junco, ranchera mx, many ads, ID 1115 10-6 (Sparks)
 6080 NEW ZEALAND RNZ 0756 EE songs, armts (Tyson-Pac) 0805-0840 choir, armts, dual 9540 9-16 FP (Earhart)
- 6086 COLOMBIA Ondas del Darien 1008 pop songs, anthem & opening ID 1014, het from jammer 9-29 (Sparks) 1045 SS 9-27 talk, mx, ads, jingles 443 (Zilmer)
- 6089v NIGERIA RTV-Kaduna vernac talk 2230-2240, chanting and African mx to 2300, pips, ID, N:E, chants, hets, high QRM, best on LSB 9-15 VP (Burlew)
- 6090 AUSTRALIA ABC-Sydney stock exchange report 0755 (Tyson-Pac) 1000 EE play 211 9-16 (Gendron) 1057 slow instrumental mx, pips 1059, ABC nx 9-14 PF (Burlew)
- 6090 LUXEMBOURG RLI 0001 54444 hard rock, EE ancr, many IDs (Kagey) *0358-0430, GG rel pgm, QRM from VOA, DW F (Hermann)
- 6095 BRASIL R Tupi de Sao Paulo 0950 PP IDs, mx, talks, poor (Wiseberg) 2300 PP talks dual 11765 15155 (Behr)
- 6095 COLOMBIA LV del Centro 0400-0430 SS 9-26 nx, mx, ads (Tuchscherer) 0025-0110 SS 9-11 LA mx, talk, ID 0025 under QRM P (Perdue)
- 6100 GERMAN FEDERAL REP DW 0045 GG talk, ID E (Stephens)
 6100 NIGERIA NBC-Maidugari 2230 Lang-EE 9-10 drum mx, M ancr almost daily 131 (Rippel)
 6100 USSR 0020 RR exercises dual 6115, Central Asia QTH? G (Behr)
 6100 YUGOSLAVIA R Beograd 2200-2215 EE nx, talks, IS, QRM P (Wiseberg)
- 6105 MEXICO XEQM 1345 SS 9-10 ancres, US pops, Mexican mx 343 (Rippel)
 6110 ENGLAND BBC in SS here now after decades of EE World Service (Heutte)
 6110 USA AFRTS 0000 EE 9-29 Expo-Pirate baseball game (Custodio) Hope the Expos won, hi. FH
 6115 BRASIL R Tupi de Rio 2300 PP talk and ID: Super Radio Tupi (Behr)
 6115 COLOMBIA LV del Llano 0100-0111 SS 9-11 LA mx, talk, several IDs P (Perdue) 1110 SS talk 9-27 433 (Zilmer)
- 6115 PERU R Union 0315-0400 SS 9-24 variety of mx (Tuchscherer)
 6119 VENEZUELA R Angostura 0945 pop mx, many ads, ID, heavy QRM 10-7 (Sparks)
 6120 ARGENTINA R El Mundo, Tangos, TC, full ID 0423 (Dexter)
- 6120 HAITI 4VEH 0030 EE 9-11 ID, gospel pgm, mx, QRM F (Perdue) 1000 SS religious pgm on a Sunday morning, into EE 1100, ID 10-7 (Sparks) *1000-1005 SS 10-8 SS ID, (Perdue)
- 6125 COLOMBIA R Continental 0615 SS mx, bass voiced ancr, clear IDs, ads (Odlin)
- 6130 CANADA CFCX 0145 EE talk, light mx, DW QRM P (Wallace) 1204 EE 9-30 nx, sports (Miller)
 6130 ECUADOR HCJB 0810-0835 NF 9-8 333 rel pgm, DW QRM, dual 9745 11915 (Earhart)
 6130 GHANA Tema 2215* EE 9-27 closing armts, ID, march or anthem VG (Perdue)
- 6135 CHILE R de las Fuerzas Armadas de las Carabineros Chilenos (Chilean police force, roughly equivalent to the Spanish Guardia Civil) *1000 songs, 1015 SS ID, frequencies, mention of Capital and Concepcion, mx, armts about la junta militad etc.; Chile is now GMT minus three hours, per armts (Lohe) 1015-1030 10-8 LA mx, nx, many IDs, QRM but good level (Perdue) Junta has probably taken over many stns in Chile. FH
- 6140 BURUNDI BuJumbura *0330 Rundi IS, M or W ID, local mx; best on 5-6 Sept; splash and junk from BEC & DW (Henderson) 0331 FF ID, talks, chants 10-13 but hopeless (Reeves)
- 6140 AUSTRALIA VLW6 EE nx 1055 G 9-14 (Burlew)
- 6145 ALGERIA Algiers 2345 54544 AA chants dual 547 MW (Wootten-Afr)
 6145 GERMAN FEDERAL REP DW EE commentary 0521 (Rowan)
- 6145v NIGERIA NBC-Calabar tentative, religious sermon 0446 (Dexter)
- 6150 AUSTRALIA VLR6 0850 EE 10-8 talks and soft mx F (Perdue)
 6150 COSTA RICA R Atena 0327 sports, march, ID 0359; mentions of Venezuela often (Dexter) 1055 SS 9-21 mx, talk 533 (Zilmer)
- 6155 JAPAN FEN 0805-0900 EE 10-8 ID, soft mx F (Perdue) 0850 US pop mx (Rowan) via Field)
 6155 SWAZILAND Swazi R to put 1 MW & 4 SW xmters on air in six months (Moody Monthly/
 6160 COLOMBIA Em Nueva Granada 0145 55535 SS nx, discussion (Kagey) 0370-0350 SS 10-2 ID, talk 233 (Nebron) 0430 M ancr, IDs 9-24 353 (Hardester) 1045 SS RCN IDs 443 (Zilmer)
- 6160v VENEZUELA R Canaima 0900-0945 SS mx, IDs, TCs, N:S 0900 VG with het 0930 (Wiseberg) *1000, ID and pop mx 9-23 (Sparks)
- 6165 SOUTH VIETNAM VTVN 1515 M&W talk under Moscow, clear after 1530-1600 (Odlin)
- 6175 BRASIL R Guarani 0535 PP ID, mx, mix unid 9-2 F (Burlew) 0715 PP 9-23 M ancr 233 (Rippel) 0830-0900 PF mx, ads, talks, several IDs, TCs G (Wiseberg)
- 6175 COSTA RICA TIFC ex-6037 1100 SS 10-4 443 (Zilmer)
- 6175 ENGLAND BBC 2354 55545 EE Vicotr Sylvester show (Wootten-Afr) EE to ECNA, Charley. FH
 6175 GREECE Athens *2100 Greek for Australia-NZ 9-23, Paris QRM (Padula-Pac)
- 6180 GUATEMALA LV de Guatemala 0040-0110 SS 9-11 classical mx, talks, ID, cuckoo clock P (Perdue) 0420-0445 SS local and light mx, IDs F (Orcutt)
- 6180 VENEZUELA R Turismo in absence of Guatemala 0015 SS mx, IDs, ads F (Heutte)
 6185 BRASIL R Bandeirantes 9-21 weak with PP sports (Field)
 6190 MOROCCO RTM Morocco 1110 55545 AA talks, mx, etc dual 611 MW (Wootten-Afr) 2200 AA mx dual 11735 P (Estes)
- 6195 NIGERIA NBC-Sokoto 2215 EE 9-11 M N:E and closing remarks, no anthem G (Shaw)
 9635 BRASIL R Aparecida 0000-0030 10-8 PP talk, mx, ID 0028 333 (Leonhardt)
 73-Fred Heutte, Jr. WA3QIA-WDX3FH 1600 Newton Street, N.E. Washington, D.C. 20018

- 6200 ALBANIA, R. Tirana. 0355* EE nx and propaganda (Kagey, Miller)
 6210 INT'L WATERS, RNI. 0015 EE pop mx, ads (Miller, Brock, Mayer)
 6225 CHINA, Home Svc. CC talk 1040. (Tyson-W.Australia) (CCDXA)
 6240 R. Libertacao. 2301* PP talk, ID. G. 9/20 (Mayer); hi-life mx 0728
 6241 MEXICO, XENK, R. Seis Veinte. Nom. 620 kHz MW 6 Oct 0530-0700
 extremely distorted FM; not a 10th harmonic unless varied to 624,
 where not detected at 0704. Possibly external mixing, as occasion-
 ally a second stations audio could be heard. Mx program of inter-
 national bigbandish old favorites. Around 0600 mentioned "Nuevo
 Mundo" several times, thought to be ID but apparently advertiser;
 0620 cut off briefly; 0654 end program, finally ID as this Mexico
 City station; is regular 11 PM-1 AM show. Long slow fades and peaks
 SINPO 22322 (Hauser)
- 6251 ENGLAND (Presumed), Radio City (Hobby Pirate). 1220-1250 EE asking
 reports to box P.R. (SIRA) 91, Park St., Horsham, Sussex, England. OSL
 letter in 3 weeks. Power 30 Watts. (Martin-U.K.) / (CCDXA)
- 6251 N. KOREA, R. Pyongyang. HS II. KK talks 1140-1200, then anthem and IS
 6260 INDONESIA, RRI Manokwar. 1145 Indonesian talk (Tyson-W.Australia)
 6260 HOLLAND, Eindhoven, Time Radio. (Pirate) 1030 EE/DD with rock mx.
 Gives decent QSL card. Power 225 Watts. Ex 6237. (Martin-U.K.)
- 6325 HOLLAND, ABC Europe (Pirate). 0930-1000 EE noted first time 9/30,
 asks reports to ABC Europe, P.O. Box 9363, The Hague, Holland.
 3 IRC's needed for QSL. VP (Martin-U.K.)
- 6576 N. KOREA, R. Pyongyang. 1400-2155 transmission to Eur//11535. Poor
 signal at start, inaudible by 1500. (Davis) See Oct. LR, 11535
 for schedule and languages. MRL.
- 6936v ALBANIA, R. Tirana. 0430 AA talk. 455 9/23 (Rippel); 0440-0454*
 AA talks and s/off with "Internationale" G-E (Estes)
- 7085 ALBANIA, R. Tirana. 0035* EE ID, IS 323 9/29 (Custodio)
 7100 MONACO, TWR. *0625-0644 EE rel. format. (Perdue, Rowan, Burlew)
 7100 USSR, RM, Petropavlovsk Kamchatka. IS 1100 into CC ID (Burlew)
 7102 N. VIETNAM, VoV. 1045 VV talk E 9/18 (Burlew); 1215 VV (Wiseberg)
 7108 THAILAND, Thai TV Co. 1022-1120 Oriental mx, thai talk (Yamron);
 1100 G-F (CCDXA, Estes); 1200 F 9/28 w/songs in thai (Mayer); Tentative
 1220 VP under QRN (Wiseberg)
- 7110 USSR, R. Moscow, Omsk (per list). 2320 RR ID concert mx. (Wallace)
 7120 CHINA, R. Peking. 0100 EE nx. (Wootten-Morocco)
 7135 PHILIPPINES, VoA, Poro/Tinang. 2245 GC nx. (Wootten-Morocco)
 7139 INDONESIA, RRI Ambon. 0827 Indonesian talk, songs (Tyson-W.Australia)
 7150 ENGLAND, BBC. 1145 GG prog for Eur//11945, 15180 (Wootten-Morocco)
 7155 JORDAN, R. Amman. 0414 AA talk. 433 9/23 //11810 (Rippel)
 7165 RYUKYU ISL., VoA, Okinawa. *1100 EE to NE Asia ARO QRM (Ball)
 7170 GREECE, VoA, Kavala. 2300 EE, jazz hour 544 (Wootten-Morocco)
 7170 NEW CALEDONIA, R. Noumea. 0700-0900 heard regularly with strong
 signal in FF. Has power been increased above 20 kW? (Triebe);
 0710 344 9/23 super 20 Over! (Rippel); 0620 FF ID Fair (Wallace)
- 7175 USSR, R. Moscow. 2305 RR nx 544 (Wootten-Morocco)
 7175 ITALY, RAI, Caltanissetta. 1215 II talks, mx 353 (Wootten-Morocco)
 7205 DODECANESE ISL, VoA Rhodes. 2330 Unid lang to ME (Wootten-Morocco)
 7210 SENEGAL, R. Senegal. 0745 FF ann, lt mx (Tyson-W.Australia)
 Tent. 0735 in lang 9/23 (Rippel)
- 7215 ANGOLA, R. Ecclesia. 0535 Discussion in PP by OM & YL 9/23 (Rippel)
 7215 UNIDENTIFIED. 0330-0400 AA talk by OM & YL US mx P-F 9/23 (Wallace)
 7225 PHILIPPINES, FEBC. 1157 EE quiz show, ID P-F 9/23 (Miller, Ball)
 7230t SPANISH SARAH, R. Sahara. Big het 0755. No IS noted. 0805 lone voice
 singing Koran deep down in the mud. f/out 0820. Noted during all
 night ODDX DX meet. 111 9/23 (Rippel)
- 7233 MONACO, TWR. 0850 GG talk, organ mx, ID in EE 0905. Ham QRM (Earhart)
 7235 AUSTRALIA, R. Australia. *1130 IS and talk in lang. G. (Estes)
 7245 S. VIETNAM, VTVN. 1055 VV talks and nx P-F (Estes)
 7250 AUSTRIA, ORF. 0413 GG talk, mx from US musical comedies F 9/15 (Miller)
 7260 MONGOLIA, Ulan Bator. 0900-0930 Mongolian talks, weird asian mx,
 then relay of Moscow px 0930-0955 9/30 (Padula-E.Australia)
 7260 ENGLAND, BBC. 2355 PP jazz mx, nx to Brazil. 544 (Wootten-Morocco)

- 7260 COMORO ISLANDS, ORTF. *0335 Heard faintly 9/13 under BBC FF into pop mx, ID by YL wiped out by BEC. (Henderson)
- 7270 INDONESIA, RRI Djakarta. 1200 Indonesia 222 // 4764,4855 (Odlin)
- 7275 NIGERIA, VoN, Lagos. *0550 drums EE ID and nx (Estes,Rippel)
- 7290 ITALY, RAI. 1520 II nx,mx, talks 444 (Wootten-Morocco)
- 7300 ALBANIA, R.Tirana. 0432 EE nx. Fair. (Guarducci)
- 7310 USSR, R. Moscow. 0254 SS ID,mx,IS. E. (Burlew)
- 7325 ENGLAND, BBC. 0120 MGM film mx.(Kagey) Lang? MRL
- 7345 CZECHOSLOVAKIA, R. Prague. 0250 SS returned here after two days on 7340(Burlew); EE 0125 (Kagey); 0355 EE,SS*0400(Guarducci)
- 7400 USSR, R. Moscow. 2301 Quechua,0001 PP.VG //9470,9640 (Behr): SS ID 2230 (Burlew)
- 7420 USSR, R. Moscow. 2100-2145 EE talks. (Burlew,Estes,Wiseberg)
- 7450 ESPIONAGE. 5-digit numbers sequence w/each set repeated by YL in GG. P-F (Hermann) Time? MRL
- 7480 CHINA, R.Peking. 1025 JJ talk. (Tyson-W.Australia)
- 7504 CHINA, R.Peking. HS I 1030 CC revolution songs(Tyson-W.Australia)
- 7510 N. VIETNAM, VoV,Hanoi HS 1035 VV talk.(Tyson-W.Australia)
- 8775 UNIDENTIFIED. 1920 SS with "Attencion" three times, then "Radio Ecos Atayantee(spelled as pronounced); also Parlamento (or Barlamento), and frequency. (Martin-U.K.)
- 9009 ISREAL, IBA. 2030 EE cmntry, nx(Zilmer);RR @ 2100,jammed(Potter)
- 9170 CHINA, R. Peking. 1038 CC mx. Lists 20 kW. P-F (Estes)
- 9340 CHINA, R. Peking. 1045 SEA lang talk. Good. (Estes)
- 9455 N. KOREA, R. Pyongyang. 1000-1100;1200 EE mx,cmntry,mx(Zilmer, Rowan);1100 RR ID,nx 9/20 (Burlew);0950-SEA lang talks(Rippel)
- 9475 A.R. of Egypt,R.Cairo. *0200 EE talks ID,mx(Rowan,Koziomkowski,
- 9505 JAPAN,R. Japan. 0807 EE nx (Tyson-W.Australia) Wallace)
- 9505 BRAZIL, R.Record. 2333 PP IDs,QRM //15135. Good. (Behr)
- 9510 VENEZUELA,R.Barquisimeto. 1130 SS ads, ID,LA mx(Potter,Mayer)
- 9510 USSR, R.St.Yunost. 1400 RR and mx VG//11700 QRM (Behr)
- 9510 INDONESIA, RRI Ujung. Indonesian songs and ann. 0805 (Tyson)
- 9515 INDIA, AIR. 2000 lang,chant mx, talks VG (Wiseberg)
- 9520 NEW ZEALAND, RNZ. 1143* EE mx, prog sched. 9/29 (Zilmer)
- 9520 PERU, R. La Cronica. 1200 SS talk 9/25 (Zilmer)
- 9520 SPAIN, RNE. 0029 SS pop mx E. (Stephens)
- 9525 INDIA, AIR. 2100 EE nx, cmntry 9/20 433 (Zilmer)
- 9530 USSR, R. Moscow. 0100 EE "Moscow Mailbag"(Wootten-Morocco)
- 9530 SPAIN, RNE. 2150 SS talk,mx (Odlin)
- 9535 INDIA, AIR. 1225 EE prog. sched.,nx 432 9/30 (Zilmer)
- 9540 CZECHOSLOVAKIA, R. Prague. 0100 EE nx 343 (Custodio)
- 9540 NEW ZEALAND, RNZ. 0620 EE pop mx. E. (Rowan)
- 9545v GHANA, R. Ghana. 2214* EE "Africa Today".Drifts at times(Perdue)
- 9545 PHILIPPINES, VoA,Porot/Tinang.*2200 EE ID under Ghana (Estes)
- 9545 LEBANON, R. Lebanon. *0130 FF to NA;0230-0300 EE to NA(Odlin,R'wn)
- 9560 RYUKYU ISL, VoA Okinawa. 2200 EE ID into CC (Wootten-Morocco)
- 9562v PERU, R. Nacional. 1100 SS talk,mx. 443 9/25 (Zilmer)
- 9570t QATAR,QBS. 1930 AA chants under Bucharest, possibly off at 1945, though might be Nigeria. (Straus)
- 9570t NIGERIA, RTV Kaduna. 2145 seemed to be Afr lang,Afr mx, nx @ 2200, unusual Afr mx heard "Kaduna fair"(Perdue)
- 9570 SPAIN, RNE. 0210 SS talk,mx. Good. (Wallace)
- 9570 ITALY, RAI. 2300 II ID by YL, jazz mx. Good. (Miller)
- 9570 ROMANIA,R. Bucharest. 0129 EE,IS @0130 //11940 (Odlin)
- 9570 CHILE, Radiodifusion Chilena de Fuerzas Armadas. 0230-0325. SS pop mx till 0243; "La junta militar declaro...blah,blah, blah". 0301 "Transmite la Radiodifusion Television de las Fuerzas Armadas de Chile atravez todo el pais.;Chile es libre! Good signal till 0325 then wiped out by Bonaire. See page SWC-10 August 73 FRENDX. (Schnabel)
- 9572v CHILE, Emis. Diego Portales. That ID at 0030. SS nx 0100 from "Red de Radiodifusion y TV delas Fuerzas Armadas" (Behr); sometimes // 9590 (Zilmer, Mayer); ID, ads 0233 9/27 (Miller)
- 9575 ITALY, RAI. 0220 II/SS with cont. mx to LA 555(Wootten-Morocco)

- 9575 LIBERIA, VoA, Monrovia. 1930 EE ID into PP nx. 444 9/30 (King)
 9576v PHILIPPINES, VoP. 1300 EE prog. "R.Philipinas" ID (Behr, Yamron);
 EE px,nx,cmntry 0820(Tyson-W.Australia);EE prog. 0700 (Odlin);
 EE ID, mx,nx @ 0305 (Guarducci)
- 9585 SOUTH AFRICA, RSA. 0145 EE //9695,11970 (Odlin)
 9585 ISRAEL, IBA. 0515* EE Mid East and world nx. Good (Perdue)
 9560 CHILE, R. Comercio(?). 1055 SS talk,mx ID uncertain as change to
 military management. 443 10/2 (Zilmer)
- 9590 CHILE, R. Pres. Balamaceda. 2330 mx,IDs, 0001 "Fuerzas Armadas" mx,
 under RN QRM. (Behr)
- 9595 JAPAN, NSB. 0805 JJ talk by YL. (Tyson-W.Australia)
 9596 NICARAGUA, R. Mar. 2027 SS IDs, LA mx US pops. Good.(Potter)
 9600 MEXICO, R. Universidad. 1310; 1435. SS class. mx(Yamron, Mayer)
 9605 MALAGASY REP.,R. Ned.,Talata. 0130 EE prog to 0151* P-F(Behr)
 9610 AUSTRALIA, ABC Perth VLW9. 1017 EE wx,mx.(Rowan, Guarducci)
 9615 MOROCCO, RTM. 2230 AA chants, VP w/heavy fading. (Wiseberg)
 9620 YUGOSLAVIA, R. Belgrade. 2200 EE nx,cmntry. QRM Canada(Zilmer,Mayer)
 9625 ISRAEL, IBA. 2000-2045* EE nx,cmntry(Zilmer,Straus,Yamron,Earhart);
 0215-0230 EE nx on war into FF @ 0230. (Kagey)
- 9635 COLOMBIA, R. Nacional. 1045 SS nx,mx 353 10/4 (Custodio)
 9535 SINGAPORE,R.Singapore. 0803 CC talk (Tyson-W.Australia)
 9640 MONACO, TWR. 0503-0518 EE DX tips invites reports 322 (Earhart)
 9640 S. KOREA, R. Korea. 1100-1130 EE nx, mailbag px. (Rowan)
 9645 VATICAN, Vatican Radio. 2100 EE rel cmntry 353 9/22 (Earhart)
 9645 NORWAY, R. Norway. EE ID 0300 //9610,9550 (Rowan)
 9645rfr BRAZIL, R. Bandeirantes. 2230 PP talk,mx to 2303*,varies2315*;
 often QRM//6182,11925 continues past 0030. (Behr)
- 9645 COSTA RICA, TIFC. 1100 SS rel talk,mx 433 9/25 (Zilmer)
 9655 BELGIUM, RTB. 2315* EE talk on trade exhibition. QRM DW (Earhart)
 9660 VENEZUELA, R. Rumbos. 2059;0100 SS talk,mx, ads(Odlin,Burlew)
 9660 AUSTRALIA, ABC Brisbane VLQ9. 0800 EE nat'l nx.(Tyson-W.Australia)
 9660 ANGOLA, A Voz de Angola. 0601t/in mx and PP,gone 0620(Dexter)
 9665 SWEDEN, R. Sweden. 0130 into SS px w/IS. (Brock)
 9670 PORTUGAL, IBRA Radio. 2000 EE rel px. Heavy QRM 243 9/29 (King)
 9675 PERU, R. Del Pacifico. 1230 SS mx. 343 9/23 (Zilmer)
 9680 FRANCE, ORTF. *0515-0545* EE "African Forum" 333 (Earhart)
 9680 CUBA, R. Havana. 0040 IS & ID (Odlin)
 9680 AUSTRALIA, ABC Melbourne VLR9. 0945-1015 EE,opra px. (Rowan)
 9689 CHILE, R. Cooperativa. 0330 pop mx,ID, 0400 "Fuerzas Armadas" nx,
 QRM RAE 9690, but readable. (Behr)
- 9690 ARGENTINA, RAE. 0559 IS,*0600 w/EE nx,mx. (Rowan)
 9695 BRAZIL, R.Rio Mar. 2115 PP pop mx (Zilmer);Class. mx to abrupt
 s/off 0200 F-P (Brock) / (Potter)
- 9700 AUSTRALIA, RA. IS@ 2225,EE ID 2230 into Indonesian. QRM Sofia
 9700 USSR, R. Moscow. 0130 EE program. P-F (Brock)
 9700 BULGARIA, R. Sofia. 0031-0058;0408-0428 EE px,QRM DW(Earhart)
 9705 MEXICO, XERMx. 0245 SS mx EE ID 0325 (Wallace,Perdue);1329(Miller)
 9705 BRAZIL, R. Maua. 1400 PP ID,slow piano mx. E 9/2 (Burlew)
 9710 MALAYSIA, Penang Malay svc w/ID 2158 into Koran 2200(Padula-E.Aust)
 9710 FRANCE, ORTF. 0528 EE nx "Paris Calling Africa" E 9/3 (Burlew)
 9710t MAURITIUS, MBC. 0520-0540 EE nx about Afr,AA type mx 322 QRM
 R. Ned on 9715 9/16 (Earhart)
- 9715 NETH. ANTILLES, R. Ned. 0545 EE px 454 9/16 (Earhart)
 9715 HOLLAND, R. Nederland,Lopik. EE "Dutch Press Review"(Koziomkowski)
 9725 E. GERMANY, RBI. 0430 GG px. Good (Triebel)
 9745 ECUADOR, HCJB. 0732 EE religious program 333. (Earhart)
 9745 IRAQ, R. Baghdad. 1930 EE nx and AA type mx 242 9/30 (King)
 9750 SWITZERLAND, SBC. 0505 II nx. (Guarducci)
 9750 CHILE, R. Minera. 0300 pop mx, 0402 "Fuerzas Armadas" nx, full ID
 to 0415* VG (Behr)
- 9750 CHILE (?). 1100 SS taken over by military ID unknown. Distorted
 audio 10/2 (Zilmer)
- 9755 CHINA, R. Peking. 1500 RR ID "Govorit Peking" Poor.(Treibel)
 9765 W. GERMANY,DW. 2100 EE nx,mx in Asian svc.(Tuchscherer,Zilmer)

- 9770 HAITI, 4VEH. 2335-2345 IS and ID in SS. Poor. (Burlaw)
 9770 AUSTRALIA, R. Australia. 1515 EE ID QRM. (Perdue)
 9820nf N.KOREA, R. Pyongyang. 1400 FF Px to 1550* //11535v (Behr)
 9912 INDIA, AIR. 2200 EE nx, cmntry 422 9/29 (Zilmer)
 9915 ENGLAND, BBC. 2125 II w/opera mx. E. 9/12 (Burlaw)
 9968 CHINA, R. Peking. 0928 IS, ID into lang. talk, opera mx. G. 10/8 (Perdue)
 9976 ESPIONAGE. Numbers Station. *0501 "Atencion", SS 5-digit numbers by YL to 0515*. Fridays GMT. Good. (Behr)
 10010 UNIDENTIFIED. 1120 thought to be Asian. S. Vietnam possibly mentioned Poor 9/30 (Earhart)
 10039v N. VIETNAM, VoV. 1035-1057 VV YL talking, mx. (Earhart, Ball)
 10060 CURACAO, R. Curcom. 0215 DD OM hosting pop and classical mx till 0300. (Shaw)
 10060a N. VIETNAM, VoV. 1300 VV HS, ID, anthem. Fair. (Ball)
 10060 UNIDENTIFIED. 1105-1120. Definately Asiatic. OM and YL talking Poor 9/30 (Earhart)
 10260 CHINA, R. Peking HS 2. Heard occasionally very weak, usually around 0015 with CC mx // 11505 also weak. (Davis)
 10530 KAZAKH SSR, R. Alma Ata. 0310 RR talk by OM & YL heavy QRM (Rippel)
 11290 CHINA, R. Peking. 1112 CC talk. Poor. (Estes)
 11330 CHINA, R. Peking. 1145 in SEA lang. Poor. (Estes)
 11347 N. KOREA, R. Pyongyang. 1045 KK YL Hostess. Pretty vocal mx. Good despite UTE QRM (Shaw)
 11412t CHINA, Chinese Press Agency. 1115 CC talk. Very Weak. (Estes)
 11535 N. KOREA, R. Pyongyang. 1400 FF, 1600 RR. Fair. (Behr); EE noted 2000-2200 // 6576 (Wootten-Morocco)
 11600 CHINA, R. Peking. 1105 Talk in lang. Poor. (Estes)
 11620 INDIA, AIR. 2115-2200 EE talks, cmntry, mx (Potter, Wiseberg, Zilmer)
 11630 A.R. of EGYPT, R. Cairo. 0156 AA talks, mx. Good. (Stephens)
 11650 CHINA, R. Peking. *2300 SS to SA//7120, 7590, 9500, 15095 (Wiseberg)
 11660 CHINA, R. Peking. *2230 IS, ID in lang. Poor under CW. (Wiseberg)
 11673v PAKISTAN, R. Pakistan. 2000-2100 EE nx, cmntry. (Estes, Stephens, Gendron, Wiseberg)
 11675 CHINA, R. Peking. 2123 CC talk into EE @ 2130 (Wootten-Morocco); EE to Africa. Poor. (Potter)
 11685 CHINA, R. Peking. 1215 EE talk on Mid East war. (Leonhardt)
 11690 ARMENIAN SSR, R. Yerevan. 0325-0329* EE cmntry 9/30 (Miller)

With this last item, I end my second effort at Log Report editing, and hope that I have done justice to everyone's report to their satisfaction. Until December, 73's Mac Leonhardt

WORLD RADIO TV HANDBOOK

Once again NASWA will be offering members a discount on the WORLD RADIO TV HANDBOOK. The 1974 edition of the WRTH can be purchased through NASWA headquarters for \$6.50 postpaid in NA. The retail cost of the 1974 edition is \$7.50....The WRTH is an absolute MUST for any serious DXer, giving details of SWBC stations throughout the world. (MW info is also included) The main text is arranged by continent, and then by country. Within each country is given (assuming the format is the same as in the past umpteen years!) a list by frequency of the stations operating in that country, with powers, times of

operation, languages, addresses, and other useful information. In the back will be found a listing of the world's SWBC stations arranged by frequency... As we said, the WRTH is a MUST for DXing/SWling. To order, send \$6.50 to NASWA, Box 8452, S. Charleston, WV 25303. Checks & money orders should be payable to "NASWA". With each order there MUST be given your name and address printed or typed on a 3x5 card or sheet of paper. All other orders will be returned! The books are due to be shipped from Europe via AIR, to Gilfer Associates and will arrive about January 25, 1974, and will then be mailed to purchasers. We will not reply to questions about "where is my WRTH?" postmarked prior to Feb 10, 1974. Last year we had a lot of inquiries from people who didn't bother to read the original amt. DEADLINE FOR RECEIVING YOUR ORDERS HERE AT NASWA HDQ is December 31, 1973. Orders rec'd after that may arrive late. For an extra \$1 your 74 WRTH will be shipped via UPS on the day of arrival in the USA. Order today - don't delay - send your check on it's way:

- 11700NF ISRAEL IBA 2000-2045 EE, 2100 RR, 2200 FF, nx, cmntry, mx, //15105, 15160, 9625, F-G, ex 11705, (Behr, Yamron, Zilmer, Rippel)
- 11710 INDIA AIR 2300, 0110-0115* EE to Asia, nx, s/off, F (Zilmer, Leonhardt)
- 11710 N CALEDONIA ORTF Noumea 0330-0500 FF, t/k, pops, (Behr) New hours?
- 11710 ARGENTINA RAE 2308-2350* EE, tlks, cmntry, P-E (D'Escole, Stephens, Leonhardt)
- 11713 INDONESIA VoI 1153 EE, 1200 lang., C&W mx, F (Yamron)
- 11725 SRI LANKA SLBC hrd mornings occ from 1630 t/i to 1715 t/o, rel px in EE, not as strong as Hindi service on 1800, (Davis)
- 11725 TAINAN R Liberty 1400 RR, ID, nx, under jammer, (Behr)
- 11725 ISRAEL IBA 0345 RR, nx, over jammer, NF ex 11850, (Padula-Australia) kowski)
- 11730 NETH ANT RN *0158-0320 EE, Happy Sta, 0710-0750* EE to Pac, F-G (Earhart, Koziom/)
- 11730 MALAGASY REP RN 2000 FF, //15105M, 15220L, 17830B; 0100 EE, Happy Sta., G (Behr, Hardester)
- 11735 MOROCCO RTVM 2145 AA, mx, //6190, E (Estes)
- 11735 BRAZIL R C de Goiania 0145 PP, songs, amnts, F (Behr)
- 11740NF ECUADOR HCJB 0230-0300, 310-330, 0403-0420, 1440-1500 EE, rel px and features, down from 11745, some VoA QRM at times, G (Earhart)
- 11740 MALAGASY REP RN 1430 EE, DX Juke box, (Sparks)
- 11740 INDIA AIR Delhi 2103 EE, nx, mx, cmntry, G (Wootten-Morocco); 2200 EE nx to Australia, F (Zilmer)
- 11750 Cf Sept LR, rept of RNZ at 1430 should be BBC Trebrau, (Behr). Thanks.
- 11765 AUSTRALIA RA 0700-0740 EE, nx, mx, DX px, F-P (Earhart, Hermann)
- 11770 MEXICO R Mexico 0120 SS, ID, amnts, mx, E essentially (Kagey) Odlin)
- 11775 SPAIN RNE 2149 IS, *2200, 0250 SS, mx, amnts, //15145, 9530, G (Tyson-Australia, /)
- 11775 INDIA AIR Aligarh 1045 EE, tlks, G-E (Estes)
- 11780 MOZAMBIQUE RCM 0502, 0615-0650 EE/Afrikaans, pops, TC, ID, ads, chimes, DJ format, F (Perdue), over BBC co-channel, not often hrd here, (Padula-Australia)
- 11780 ARGENTINA R Belgrano 2330 SS, t/k, mx, P (Zilmer)
- 11785 BRAZIL R Guaiba 2355 PP, t/k, mx, nx, F (Zilmer)
- 11795 ZAIRE Kinshasa 0640 FF, t/k, (Tyson-Australia)
- 11795 LIBYA Tripoli 1810 AA, N. African mx, ID, F (Wallace)
- 11800 SRI LANKA SLBC 0145-0245 Hindi, EE ads at times, time tone, t/k, mx, F (Leonhardt, Tyson-Australia)
- 11805 BRAZIL R Globo 2130 PP, t/k, P (Zilmer)
- 11810 ITALY RAI 2250 II, nx, 0100-0120 EE, nx, cmntry, daily, //9575, F (Guarducci, Rowan)
- 11810 INDIA AIR 1420-1500 EE, nx, mx, ID, t/k, F-G (Nebron, Perdue)
- 11810 JORDAN R Amman 0415 AA, //7155, hrd using 2 rx on // freqs listening for echo with each rx attached to 1/2 of headset, (Rippel)
- 11815 NETH ANT TWR 0030-0130 EE, rel mx, t/k, (Rowan)
- 11820 ASCENSION IS BBC 0226 SS, px to LA, E (Stephens)
- 11830 USA WINB *2205 EE, rel t/k, mx, distorted audio, P (Zilmer)
- 11835 URUGUAY R El Espectador 0000, 1155, 2350, SS, mx, ads, t/k, P-F (Gendron, Guarducci, Miller)
- 11840 PORTUGAL RP *0300-0345* EE to Canada, pops, DX px, F-G (Earhart, Nebron)
- 11840v ALBANIA R Tirana 1800-1827 SS, 2000 AA, G, ex 11845, (Behr)
- 11840 AUSTRALIA RA 2315 EE to SEA, usual px, G (King)
- 11845 VATICAN VR 0058 IS, beils, *0100 EE rel t/k, 0116 FF, //5995,9615, (Rowan)
- 11845 CANADA RCI 2040 EE, nx, E (Estes)
- 11850 INDIA AIR 1225-1235 EE, nx, px sched, P (Zilmer); 0243 EE nx, (Tyson-Australia)
- 11855 USA WNYW 0030 EE/SS, ID, freq, SS mx, (Koziomkowski)
- 11855 BRAZIL R America Sao Paulo 2335 PP, tlks, (Tyson-Australia)
- 11865 BRAZIL R C de Pernambuco 0300 PP, tlks, mx, F (Zilmer); 0017 PP, mx, F (Stephens)
- 11866 ZAIRE R Lubumbashi 2015, 2230-2300 FF, t/k, Afr mx, //15245.6 (Behr, Padula-Aust.)
- 11880 TURKEY RT *2200-2230* EE, nx, press review, mx, G (Earhart, Guarducci, Ruptash)
- 11900 MALAYSIA VoM Kuala Lumpur *1100, into Mandarin nx, (Padula-Australia)
- 11915 ECUADOR HCJB 0700-0710 FF, rel px, EE ID tx to Europe, F (Earhart)
- 11920 IVORY COAST RTVI 1930 EE, request px, 0731-0751 FF, orch. mx, amnts, F (Stephens, Earhart)
- 11920 USSR R Tashkent 1215 EE, cmntry, mx F-G (Earhart)
- 11925 NIGERIA VoN 0545, bell IS, *0550, // 7275, (Rowan) Agner,
- 11925 BRAZIL R Bandeirantes 2300, 0008-0030, 0135 PP, tlks, mx, ads, G (Zilmer, Leonhardt)
- 11925 GREECE EIRT Athens *2200 Greek for Japan, NF ex 6175, (Padula-Australia)
- 11930 BELGIUM RTB 2115 DD, t/k, mx, to Africa, //17860, F (Zilmer)
- 11930NF NETH ANT TWR 0345 IS, 0350 RR, QRM de Cuba, (Behr)
- 11930 OKINAWA VoA 2215 EE ID, CC t/k, nx, mx, //9560, both jammed, jammer 2 khz higher and using "LK" as ID, P (Wootten-Morocco)
- 11940 SWEDEN RS 0530-0545 EE, nx, by W, (Rowan)
- 11940 LIBERIA ELWA 2052 EE, M w/nx, ID, G (Perdue)
- 11940 ROMANIA RE 2110 EE, nx, mx, G (Brock)
- 11945 ENGLAND BBC 1145 GG, Eu. svce, nx, cmntry, //7150, 15180, (Wootten-Morocco)
- 11950 BRAZIL R Min. da Educacao 2215-2245, 2300, PP, t/k, mx, G on day when Lopik and Jeddah not hrd (Padula-Australia). F (Zilmer)
- 11950NF HOLLAND RN 2130 SS px to 2250*, VG (Behr)
- 11950 LIBERIA ELWA 0635-0655 Lang/EE, Afr mx, EE rel px; 0800-0900 EE, rel px, (Perdue, Padula-Australia)

- 11955 SEYCHELLES IS FEBA 1730 Farsi into Hausa, 1745 EE, 1945-2000 EE then AA past 2000, IDs, DX club px, F-G (Burlew, Brock, Miller)
- 11955 MALAYSIA BBC Tebrau 1825 EE, WS nx, positive ID, G (Wootten-Morocco)
- 11960 USSR RM 1950-1958 EE, mx, nx, sports, (Tuchscherer)
- 11960 ISRAEL IBA 2200 FF, tlk, mx, F (Zilmer)
- 11965 BRAZIL R Panamericana 0000 PP, mx, ads, ID, to 0255* in QRM, //6055, F (Behr)
- 11965v GUINEA RDN Conakry 0130 FF speech, 0202 ID, Afr. mx, F, //9648.3, (Behr)
- 11965 RWANDA DW Kigali *2030-2043 FF ID, GG px, nx, local ID, F (Hermann)
- 11970t TUNISIA RTVT 1430 AA, mx, tlk, under jammer at 1500 (Behr); 1905 AA, tlks on Bourgeiba, G (Wootten-Morocco)
- 11970 SOUTH AFRICA RSA 2330-0245 EE, nx, ex 6000, G (Zilmer)
- 11980 USSR RM 0400-0430 EE, jammed by Chinese, //9800, 9745, 9480 jammed, P (Nebron)
- 12010 USSR Vladivostok? RM & RP&P 0225 t/i to 0405 t/o CC, Fair but Petropavlovsk also uses this freq. (Davis)
- 12020 USSR RM 1415-1438 RR, male vocals, ID by W, and tlk by M&W, UTE QRM, (Earhart)
- 12040 ENGLAND BBC 2125 IS, *2130 ID in EE, VG (Potter)
- 12045NF ISRAEL IBA *1710 IS, 1715 Hungarian, 1730 IS & RR jammed, moves from 12055 at 1710, (Behr)
- 12055 ISRAEL IBA 1640 IS, 1645 Persian px, F (Behr)
- 12074 N KOREA R Pyongyang 0905 SS tlk, //stronger 9456, VP (Estes)
- 12080v CLAND (VENEZ) R Euzkadi *2230-2300* SS & Basque, nx, cmntry, s/off with Basque NA, no jamming on 9/9, VG (Ball)
- 12095 ENGLAND BBC 1445-1500 EE, tlk on work, comedian w/jokes, P/utes, (Earhart)
- 12140v CLAND (Romania) R Espana Indep. 2300-2311* SS, nx, s/off with Republic NA, jammed (Ball)
- 12405 ESPIONAGE Mechanical YL in EE with "436" 3 times, then count 1,2,3,...0 repeated, 2305 10/5, on AM, (Hauser). Why espionage?
- 14670 CANADA CHU time station 0047 EE/FF, G (Odlin)
- 14980 CLAND Liberation R 1220 VV, YL&OM alternating comments, G-E (Shaw)
- 14987 UNID Asian in SEA lang and mx, P (Estes). Time please.
- 15010 N VIETNAM VoV 1800 EE, indignation over Chilean coup, G (Wootten-Morocco)
- 15012-13v N VIETNAM VoV, 1300-1330 EE, nx, cmntry, mx; 1435 JJ, also at 0023 (lang?), P-G (Ruptash, Potter, Zilmer)
- 15030 CHINA RP 0100 lang., tlks, also at 1145, P (Potter)
- 15070 ENGLAND BBC 1605 EE, sports amts, world nx, G (Kagey)
- 15080 CHINA RP 1235 Esperanto, CC mx, P-F, occ CW QRM, (Earhart)
- 15084 IRAN RI Teheran 1750 Farsi mx, YL ann, 2130* anthem, E (Potter, Stephens)
- 15085 EGYPT RC 0200 EE to NA blasted by Peking at 0202, G (Stephens)
- 15095 CHINA RP 1500 EE, 0018 SS, nx, G (Potter, Burlew)
- 15105 WINDWARD IS R Grenada 2130-2230 EE, political speeches, request px, G-F (Zilmer, Burlew)
- 15105NF HOLLAND RN Lopik) 2035-2120 FF, tlk, mx, ID, harmonic w/Grenada, F-G (Brock, Earhart)
- 15105NF ISRAEL IBA 2130-2155 RR, 2230-2247* FF, //15160, 11700, (Behr)
- 15105 ASCENSION IS BBC 0730 EE, African svce, Afr nx, (Tyson-Australia)
- 15105 CYPRUS BBC 0200 EE, nx, (Koziomkowski)
- 15110 N ZEALAND RNZ 0300, 0400-0420 EE, nx, sports, wx, P-F (Zilmer, Earhart)
- 15120 FRANCE ORTF 2014-2035 FF, mx, M&W interview, G (Earhart)
- 15120 VATICAN VR 1335 FF, rel nx, G (Wootten-Morocco)
- 15120 SRI LANKA SLBC 1626-1645, 0130, 0233 EE, rel px, TC, lite mx, ID, F (Nebron, Odlin, Zilmer, Tyson-Australia)
- 15125 PORTUGAL R Nac. 1500-1600 PP, sports, ID at 1600, F (Leonhardt)
- 15125 MEXICO R Mex 0148 SS, mx, ID, freqs, E (Wallace)
- 15130NF CUBA RHC 0200 SS, 9/3, unlisted, G (Triebel)
- 15135 BRAZIL R Record here 9/26 weaker than Rcd Bahia heard 9/8; R Panamericana was another px from Record studios; both have same address and call sign, 0000-0300* PP, PP/EE mx, tlk, IDs mentions of Sao Paulo, ads, F (Heutte, Behr, Stephens); IDs also as Voice of Brazil and R. Nacional, R Sao Paulo, (Zilmer).
- 15140 USSR RP&P 1559 EE, ID, G (Potter)
- 15143 BRAZIL R Jornal do Commercio is here not 15413 CF Oct. LR, (Gendron)
- 15145 SPAIN RNE 0140 SS, European mx, G (Guarduci)
- 15150 CHILE former R Corporacion under "Fuerzas Armadas", increased power?, perhaps beginning international service. 2200-0101 SS, IDs, mx, cmntry, amts, F-VG (Behr, Brock, Zilmer, Tuchscherer)
- 15155 FRANCE ORTF 1030-1100 EE, Paris international, nx, P-F (Miller, Zilmer); 0750 FF, tlk, mx, (Tyson-Australia)
- 15155 BRAZIL Rdf Sao Paulo 2330, 0307, 0338 PP, IDs, mx, tlk, also IDs as R Rio Grande, F-E (Wallace, Dexter, Stephens)
- 15160NF ISRAEL IBA 1130-1200, 2000-2045 EE, nx, cmntry, mx, ads, F (Zilmer, Behr)
- 15160 MEXICO LV de Am Latina 1700, 2245 SS, tlks, mx, F-P, alternates w/15176, (Behr, Zilmer)
- 15160 GERMANY (DR) RBI *2000 EE, IS, to Africa, //15295, F-G (Estes, Zilmer)
- 15160 AUSTRALIA 2000, 2300 EE, mx, nx to Pacific, QRM Brazil, (Rowan, Kagey)
- 15165 DENMARK RD 1955 IS, *2000 Danish, EE ID, 1640 EE ID, Danish px, G (Yamron, Kagey, Straus)
- 15170 LIBERIA ELWA 2045-2145 AA, tlks, ID, rel mx, AA chants, F (Wallace, Wiseberg, Earhart)

- 15170 USSR Asian RM & RP&P Chinese service, *2230-0230*, QRM's last 30 min of Tahiti tx, (Davis)
- 15170 TAHITI RT 0317 FF, 0337 Tahitian, 0605 FF, nx, mx, F-E (Miller, Stephens, Tyson-A)
- 15180 ENGLAND BBC 1145 GG, Eu. svc, //7150, 11945, G (Wootten-Morocco)
- 15180 CYPRUS BBC *1300-1600* AA, AA tlks, mx, ID "Huna Londres", G-F (Estes)
- 15185 FINLAND RF 1400, 1802 EE, nx, F (D'Ercole, Straus)
- 15195NF? Unid loc. BBC 2000 EE nx, G-E (Estes)
- 15210 USSR RP&P EE to 1100 then lang, F-G (Brock)
- 15210 VATICAN VR *1710 IS, bells, EE to Africa, F-G (Estes)
- 15213.6 UNID from 2030 pops, tik in PP&EE w/African accent, to 2105*, weak 9/29, suspect low power African, Zambia?, Watch from 2000, (Behr)
- 15215 USA WNYW 0230 SS, F-G (Brock)
- 15220 MALAGASY REP RN 1925-1950* FF, Class mx, ID, //17810B, F (Earhart)
- 15225NF TUNISIA RTVT 2000-2333v* AA, chants, mx, //11970, F (Behr, Padula-A, Wiseberg?)
- 15240 SWEDEN RS 1810 FF, nx, (Straus)
- 15240 AUSTRALIA RA 0425-0455 EE, horserace, rugby game summaries, ID, P (Earhart)
- 15265 AFGHANISTAN RA 1804-1830 EE, nx, cmntry, mx, wx, P (Stephens, Orcutt)
- 15270 SEYCHELLES FEBA 0800-0815 EE rel px, rare here, (Padula-Australia)
- 15270 USA VOA Greenville 2030-2100 FF, US rock mx, //17800Monrovia, (Estes)
- 15275NF CLAND R Libertacao 2240 Afr mx, PP anmts to 2303* w/anthem, F since 9/13, //6240 G, (Behr)
- 15290 SYRIA Damascus 2000 AA, tlks, singing, high noise level, F (Shaw)
- 15290 PHILIPPINES VoA *2300, nx in special EE, F-G (Brock)
- 15295 FRANCE ORTF 1900-1920 FF to Afr, mx, tlks, F (Earhart); 1030-1100 EE, Paris International, P (Zilmer)
- 15305 SWITZERLAND SBS 1810 IS, *1815 GG, nx, (Straus)
- 15315 CANADA RCI 1218-1248 EE, nx, wx, tlks, F (Earhart)
- 15315NF ISRAEL IBA 2100 RR, nx, E level ex 15265, (Padula-Australia 10/1)
- 15320 AUSTRALIA 0450-0510 FF, tik, orch mx, P (Earhart)
- 15320 MALAGASY REP RN 1145-1220* EE, interviews, tik, mx, nx, local ID, F (Earhart)
- 15329v BRAZIL UNID 0000 PP sports weak under AFRTS 9/22, hrd irreg. perhaps R Gazeta which has drifted to 15332 in the past (Behr)
- 15345 INDONESIA West Irian RRI Jayapura 0830-0900, Indon pops, (Padula-Australia)
- 15345 ARGENTINA R Nac 1815* SS px, (Davis)
- 15345NF NORWAY RN 1600-1630 EE, nx, interview, (Tuchscherer)
- 15348v TAIWAN VoFC *2130 with 4 tone IS, amnt in CC, then anthem, px in JJ, //11860, (Rowan); F until QRM'd by TWR at 2225, sound quality is terrible (Davis); 0300-0320 EE, nx, P, //17865, (Rowan)
- 15350 LUXEMBOURG RL 1545 FF, anmts, class and pop mx, G (Heutte)
- 15355 ISRAEL IBA 2148 FF, tik, EE mx, G (Stephens)
- 15360 FRANCE ORTF 2100 FF, France International, G (Brock)
- 15365 CANARY IS RNE 0344-0402 SS, SS mx, fast tempo, ID, nx, F (Earhart)
- 15385 ITALY RAI 1738 II, tlks, slow speed counting, 1745*, G (Wootten-Morocco)
- 15385 CHINA RP 0200-0255 EE to NA, strong, //15060 not so strong, (Davis)
- 15410 USA UNR Greenville 1815 EE ID, E. Eu. lang tik, 2045 EE, speeches and UN proceed-ings, (Straus, Rowan)
- 15415 KIWAIT RK 1745-1900 EE, anmts, mx, F-VG (Stephens, D'Ercole, Ball)
- 15425 CUBA RHC 0158 SS, tik, ID, G (Stephens)
- 15430 INDIA AIR 1225-1235 EE, px sched, nx, QRM SBS, P (Zilmer)
- 15435 TANZANIA RT 1730-1830, 1900-2000* EE, some Swahili, Afr. mx, nx, ID, F-G (Brock, Estes, Burlew, Ruptash)
- 15435 MALAYSIA BBC 2345, music dedications in EE, E (Treibel)
- 15440 PHILIPPINES FEBC 0000 ID, nx in EE, P (Heutte); 0110-0130 EE s/off, rel tlks, F (Rowan); 1250 EE, tlks abt Philippines, rel tlks, choir, F (Earhart)
- 15445 BRAZIL 0315-0342 PP, rumbas, tik by M&W, P-F (Earhart)
- 15445 JAPAN NHK 0033 EE, DX px, some QRM, F (Perdue)
- 15447 BRAZIL R Nac 2300, EE poor under VoA, 0220 PP Sports, ID, P-E (Perdue, Ball)
- 15455 USSR R S Atlantica 1630 RR, ID, M&W tlks, E (Stephens)
- 15455 BANGLADESH RB 1230-1300 EE, nx, cmntry, letterbox, mx, P-F (Zilmer, Stephens)
- 15480 USSR RM 1730 AA, nx, cmntry, G (Wootten-Morocco)
- 15504 USSR RM 0235 EE, nx, cmntry, (Tyson-Australia)
- 15510 UNID 0028 Lang, AA chants, seemed RR, G (Perdue)
- 15520 CHINA RP 0020, 0140-0155 EE, tlks, CC group singing America the Beautiful, G-E (Perdue)
- 15550 CHINA RP 0755 CC, tik by W, (Tyson-Australia)
- 15552 UNID Asian 0220-0245 SEA lang, SEA opera, mx, tik, not //RP on 15520, entirely different aur. flutter pattern, (Perdue)
- 15590 CHINA RP 1345, 1435 CC, tlks, F (Wootten-Morocco, Tyson-Australia)
- 15629v N KOREA R Pyongyang 2300-2400* EE, 0400 SS, F (Behr)
- 15710 CHINA RP 1340 CC tik, (Tyson-Australia)
- 15792 CLAND VoMalay Rev 1325 Indon tik, ID 1330, into CC, (Tyson-Australia)
- 17650 CHINA RP 0350 CC, tik, mx, E (Stephens)
- 17655 EGYPT RC 1620 AA, mx, cmntry, F (Kagey)
- 17670 EGYPT RC 1540 AA, mx, cmntry, G (Kagey)
- 17673 CHINA RP 0030 EE, ID, F (Potter)

- 17690 BANGLADESH RB 1230-1300 EE, nx, cmntry, //15455, Ute QRM, P (Zilmer)
 17700 GERMANY (DR) RBI 1230 EE, mailbag to SEA, F (Zilmer)
 17720 TAIWAN VoFC *0200-0254 EE, nx, tlk, mx, F-VG (Brock, Stephens, Perdue)
 17725 JAPAN NHK 0215-0230 EE, nx, cmntry, //17745, 17825, (Rowan)
 17730 MALAGASY REP RTM Tananarive 1535 FF, nx, clear QSB (Heutte)
 17735 CHINA RP 0202 SS, px to LA, F (Stephens)
 17740 CZECHOSLOVAKIA RP 1530, 1630 EE svc to Afr, //15240, F (Behr, Brock)
 17745NF GREECE Athens 0800 Greek nx for Australia, xed Cairo, (Padula-Australia)
 17750 EGYPT Cairo 1615 AA, AA chants, tlks, P (Wiseberg)
 17750 PHILIPPINES VoA 0128, EE tlks, P (Stephens)
 17750 CLAND R Liberty 1600-1620 f/out Byelorussian tlks, G, //17895 P, (Wiseberg)
 17770 N ZEALAND RNZ 2000 EE, pops nx, F (King)
 17775 USSR RM 0330 EE to WCNA, IS, ID, nx, mx, VP (Wiseberg)
 17780 S AFRICA RSA 1610 EE, nx, P (Kagey)
 17780 AUSTRIA ORF *1600 IS, GG nx, G (Estes)
 17790 ALGERIA RTVA 1950-2010 AA, singing, chants, W ann., G (Earhart)
 17795 AUSTRALIA RA 0240 EE, nx, G (Stephens)
 17815 SWEDEN RS 1400-1430 EE to NA, mailbag, nx, sched, G-E (Earhart, Pyatt)
 17820 AUSTRALIA RA 0326 IS, *0330 EE, pops, //21680 (Rowan)
 17820 CANADA RCI 2200 EE nx poor under VoA, (Estes)
 17825 JAPAN NHK 0145 EE, tlk, F-P (Brock)
 17825 ALGERIA RTVA 2030 FF, nx, tlks, IDs, VP (Wiseberg)
 17840 CZECHOSLOVAKIA RP 1625 IS, 1730-1743 EE, QRM de RFE splash, (Earhart, Brock)
 17840NF ENGLAND BBC 1545-1615* EE, sports, nx, G (Earhart)
 17845 PAKISTAN RP 1300-1310 EE, nx, then into Lang to 1530, //21590, regular, F (Zilmer)
 17855 CHINA RP 0220 EE, tlk, mx, F (Stephens)
 17860 BELGIUM RTB 1900-1945 DD, opera, ID, F (Earhart)
 17865 USSR TurkmenSSR RM to WNA, 0330-0400 EE, nx, cmntry, P (Nebron, Stephens)
 17870 AUSTRALIA RA 0225 EE, tlk, P (Stephens)
 17875 USSR RP&P 1430 EE, G (Pyatt)
 17880 USSR R Yerevan 0300 Armenian/EE, //17865, 17775, 15245, 15210, 15180, 12050, 11690 all heard, (Behr)
 17885 S AFRICA RSA *1800-1850* EE, nx, F (Earhart)
 17915 PAKISTAN RP 1530-1545* EE, nx, slow speed EE, F (Zilmer)
 17920 EGYPT RC 1200 AA mx, 1330 EE, nx, cmntry, mx, F-E (Zilmer, Estes)
 21495 PORTUGAL R Nac 1905-1915* EE, cmntry, into mx to LA at 1915, F (Earhart)
 21545 GHANA RG 1732-1745* PP, Afr mx, amts in PP, P-F (Earhart)
 21570 NETH ANT RN 1920-1925 EE, interviews, mx, G (Earhart)
 21580 FRANCE ORTF 1937-1955 FF, Afr. mx, ID, tlk, //15295, F (Earhart)
 21590 PAKISTAN RP 1400-1410 EE nx, then into lang to 1530, 0737 EE nx, F (Zilmer, Tyson)
 21600 USSR RM 0730 II, nx, (Tyson-Australia)
 21620 FRANCE ORTF 2015-2035 FF, pops, tlk by M&W, interview, F (Earhart)
 21675 FRANCE ORTF 2035-2050 FF, tlk, opera, pops, F (Earhart)
 21700 PORTUGAL R Nac 1850-1920 PP, mx to 1900 then tlk, G (Earhart)
 21730 HOLLAND RN Lopik 1625-1650* DD, tlk by M&W, ID, Anthem, F (Earhart)
 25620 HOLLAND RN Lopik 1530 DD, rel svce, f/out by 1600, G (Zilmer)
 26040 USA VoA Greenville 1815, EE, tlk in special EE on rockets, E (Hardester)

Not so many reports this month. Thanks again to all who contributed. It takes a little effort to write up your loggings (in order) and mail them in, but without your dedication (and that of the editors) Log Report would fail in its purpose. Several interesting items this month in the higher frequencies, Tanzania, Malagasy RTM, Tunisia to name a few. Good DX to all and to all a

73 from Jerry A. Lineback

HELPING HAND WANTED..Allied SX190 or similar receiver. If not SX190 give receiver make, model number, state condition & make price. Write Mike Ross, 400 Central Islip Blvd, Ronkonkoma, NY 11779.

FOR SALE Barlow Wadley portable. Write Julian J. Kratter, 405 Park Avenue, NY, NY 10022.

WANTED Q-multiplier. Contact Ed Shaw, 621 Bursleigh Ave., Norfolk, VA 23505

FOR SALE BCG/TROPIC BAND ANT COUPLER Homebrew (built to specs of 1968 POP,ELEC. article) "hi inductance" PI coupler suitable for coupling 50-75 Ohm receivers to below resonant length wire antenna in frequency span 450-5500 kHz. Supplied with RG-58/U coax/RCA plugs. \$10. Write Price Kagey, 11340 Links Drive, Reston, VA 22070.

FOR SALE DK150A & SP150 speaker. Vg good condition. \$80. Write Steve Wallace, 503 Lindbergh Way, Lewistown, PA 17044. Phone 1-717-248-8745.

In one or two places this issue of FRENEX I've mentioned a recent move. The move was simply from an apartment into a house. The new home address is 1515 Byng Drive, South Charleston, WV 25303. New home phone is 1-304-744-9609. There is no change in the NASWA address: NASWA, Box 8452, S.Charleston, WV 25303. Those phoning will find I am almost never home before 6 pm (EST) weekdays....Your patience is appreciated at this time. We are still in a sea of boxes, and this issue of FRENEX will be a few days late. (Dan F.)

Note the new QTH for NASWA Log Report as listed at the beginning of LR, that being P. O. Box 1132, Richmond, Indiana 47374. The Liberty, Ind. box rent is paid through December 31, and mail will be continued to be picked up there regularly until that time so there will be no problem in the change over, but ask that the Richmond, Indiana address be used from now on.....56 reporters this month as follows:

AGNER, Mike, Waldwick, New Jersey Lafayette 17-0180L
 ATKINS, Kevin, Shelby, Alabama Star Roamer
 BALL, David R., Downsview, Ontario, Canada DX150A
 BEHR, Ernie, Winnipeg, Manitoba, Canada R4B/XCR30
 BROCK, Pauline, Montrael, Quebec, Canada SX-190
 BROWN, Mark J., Minster, Ohio DX-150B
 BURLEW, Doug, York, Pennsylvania SX-190
 DAVIS, Bill, Laguna Niguel, California Homebrew
 D'Ercole, Mike, Waldwick, New Jersey Passport 707
 DEXTER, Gerry L., Lake Geneva, Wisconsin
 CCDXA - Crazy County DX Assn. (D. Burlew, S. Wallace), Lewistown, Pa.
 CUSTODIO, Lary, Brooklyn, New York Hallicrafter 520R
 EARHART, Kenneth A., Allentown, Penna. DX150A/SX190
 ESTES, Steve, Newport News, Virginia SX190
 FIELD, Marlin A., Benton Harbor, Michigan SX100
 GENDRON, John C., Arlington, Virginia SX190
 GUARDUCCI, Ciro, Cassair, B. C., Canada Lafayette HA600A
 HARDESTER, Mike, Modesto, California XCR-30
 HAUSER, Glenn, Stillwater, Oklahoma HQ160
 HENDERSON, Dan, Laurel, Maryland
 HERMANN, Frank J., Montreal, Que., Canada Hallicrafters S-125
 HEUTTE, Fred, Jr., Washington, D.C. R-390/URR
 KAGEY, Dr. H. Price, Reston, Virginia SB-310
 KING, Donald, Havertown, Pennsylvania DX150A
 KOZIOMKOWSKI, R. J., Amsterdam, New York DX150
 LEONHARDT, Mac, Richmond, Indiana SB-310
 LINEBACK, Jerry A., St. Joseph, Illinois SPR4
 MARTIN, A. E., Warrington, Lancaster, U.K. AR88D
 MAYER, Alan, Park Forest, Illinois SB-310/DX150B/MC 173/A20
 MILLER, Albert A., Jr., Youngstown, Ohio HRO-500
 NEBRON, Larry, Daly City, California SX190
 ODLIN, Richard B., Tacoma, Washington RB4/XCR-30
 ORCUTT, Frank, Buffalo, New York HQ129X/A20/GD-125
 PADULA, Bob, Surrey Hills, Victoria, Australia Marconi CR100
 PATTERSON, Carroll R., Decatur, Georgia
 PERDUE, Neal, Millington, Tennessee SB-313/HA-600A/SW4A/A20
 PERRY, Ralph W., Evanston, Illinois SX100 MkII/A20/BC221-AH
 POTTER, Michael, Key West, Florida Hallicrafters S-40B
 PYATT, Edward J., Atlanta, Georgia XCR-30
 RIPPEL, Chuck, Virginia Beach, Virginia SX190
 ROWAN, Bruce, Vancouver, B.C., Canada SPR4
 RUPTASH, Brian A., Downsview, Ont., Canada SX190
 SCHNABEL, George, Rochester, New York SW4
 SHAW, Edward C., Norfolk, Virginia SP-600/Super-X 190
 SPARKS, Bill, San Francisco, California RB-4
 STEPHENS, Robert L., Carrollton, Georgia SX190
 STRAUS, Elliot R., Bradley Beach, New Jersey
 TREIBEL, Wallace C., Seattle, Washington HQ180
 TUCHSCHERER, John, Neenah, Wisconsin HQ100A
 TYSON, Craig, Wembley, Western Australia Trio 9R59DS/BC221
 WALLACE, Steve, Lewistown, Pennsylvania DX150A/A20
 WILLIAMS, Dave, Astoria, Oregon SPR4/75S-36
 WISEBERG, Mike, Weston, Ont., Canada SX190
 WOOTTEN, Charles A., USN, Morocco Zenith Transoceanic/SRR-13/R-390
 YAMRON, Larry, Pittsburgh, Pennsylvania HQ180/SX190
 ZILMER, Robert, Milwaukee, Wisconsin SPR4

FLASH SHEET

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

NOVEMBER-1973

Freq: KCS

Time: GMT

ALABAMA, Riter, 420 Shelby St., Vincennes, Ind., 47591 DEADLINES: 15th & 26th Month

AZORES Ponta Delgada, 4855, with Afro music, chimes, and PP ID at 2300, then some pops, must be on later on Sundays. (Steve Wallace, Pa.) (Time for this one to show up in the mid-west, now with an improving darkness pattern, Editor)

BRAZIL 11965 Radio Pmamericana, now here with music, PP IDs, 0000-0255*, //6055. Radio Record is on 9505//15135. (Ernie Behr, Canada)...15155 Radio Tupi has other parallels: heard on 6095, 11765, with same prgmg, usually best around 2300. (Bob Zilmer, Misc.)

...15135 This one must also be using by a network, noted with R. Record IDs at times: I have heard other IDs, like R. Sao. de Sao Paulo, and R. Sao Paulo, etc. Anyone have a good contact down there?? (Bob, there is, I have in my files, some place, the name of such an individual; or, since Radio Nacional Brasilia seems in a friendly mood, why not try them? Or, possibly Jack Perole, how about his authoritative help, Editor)

BURMA 5043 Rangoon now here from 5020, news in EE at 1445; previously in language at 1400, fair lvl. (August Balbi, Cal.)

CANBERRA 4972 R. Yaounds at 2215-2301 S/off with mixture of American pops and native Afro music, smets in FF 10/13. Definite ID at 2215, "Radio Yaounds". (Jon Williams, Ind.)

CHINA 15520 R. Peking, P.R., use this freq in the evenings and any one reporting Pakistan or Bangladesh at this time must have a super receiver to hear them under Peking. Have heard Bangladesh at 1700 but never later! (Bob Zilmer)

CHILE Still a lot of confusion on the ID of stations taken over by the Military Junta. Prgmg seems to have returned to normal though. Logged 10/12, 9572V, Misora Diego Portales, this ID, poor lvl; 9590 R. Presidente Balmaceda, same date, fair lvl, some prgmg seemingly paralleling with 9572; R. Yungay, 9652 with ID, 10/12 (NO times quoted on previous items, Editor)...15150 This one heard 2200, 10/11, in EE from 2325 to 2335, then into SS, fair to good lvl. (Credit all to Bob Zilmer)

COOK ISLANDS (repeated from Mid-Month FS because of importance) (FLASH) The Cook Islands Radio at Rarotonga in the So. Pacific heard on 11758 Kcs, 0100-0130, S/off on a Friday (Cook Islands' date). Prgmg in EE consisted of news and music. (John C. Mainland, New Zealand, via SWDXKERS)

COLOMBO 11835 YOA Raley in EE with news at 1700. (August Balbi) (Should this be listed as Sri Lanka, Editor)

COLOMBIA Too bad Brizas del Citara, a new one, is on this freq as they are putting out a pretty robust signal on 5032, in our "evenings", but mixes it up with R. Continente, both becoming somewhat useless. (John Tuchscherer, Misc.)...4787A Boos del Comedina has returned to the 60 MB. Heard from 0040 with LA music, nice, chimes and ID at 0100. Logged initially 10/15th...Success at last!! 4856 This one is definitely R. Mierva, heard from 0255 time, an ID at 0338, typical prgmg, SS. (Credit both to John Tuchscherer)...Radio Mierva, 6015, is being received with fair to good sigs early in the AM, around 1100 checks. (Bob Zilmer)

ETHIOPIA 11955 MELF, 1330-1345, Addis Ababa, logged on a number of mornings, good newscast in EE, of World News. Into language for India at 1345. (Grady Ferguson, S.C.)

GRANADA RG, 3300, fine level 0150 in EE. Also noted 5015 booming in at 2300. (Ed Insinger, N.J.)

GUYANA 3290 Action Radio in EE at 0145, easy listening despite some HTTY QMry present. (Ed Insinger)

GAMBIA 4820 R. Gambia at 0654 on 10/13, with AA chants (or similar) and BBC News at 0700, with ID at 0705. Not rocking chair copy. (Jon Williams, Ind.)

GERMANY (W) 11795 DW noted 2000-2100* with AA prgmg and chants. Report of ID by in Oct. IR is all wrong, still confuses some DXers. (Ernie Behr)

GUINEA (SEE) Got an odd one! On 6392, in language and FF, AA seemingly at times; Good ID as "Ted Conakry" West African music, propaganda, on and on. Late Ramadan schedule presumed. (Al Reynolds, Tenn.)...11965V HNN, Conakry, 0130 FF talk and ID, in parallel with 9648:3V. (Ernie Behr)

INDIA 11810 AIR noted 1330-1340 with EE and news in EE with 100% clear copy signal. Remarks by woman at 1340. (Grady Ferguson)

INTERNATIONAL MATTERS (FLASH) Radio Free America - On 10/22, or 10/23, U.S. District Court Judge Cohen indicated he would rule on the legality of offshore broadcasts from Dr. Carl McIntire's ship. (From the Star-Ledger, N.J.) In a related story the New York Times said that Dr. McIntire has stated that if the Federal District Court did not lift the temporary injunction that he would subpoena top Government Officials to prove that the CIA also uses the High Seas for unlicensed broadcasts; IF and when HPA returns to the air, look for them in the vicinity of 1600 to 1620 Kcs. (Ed Insinger, credit for all the fore-going items)...Radio Free America is not yet in operation, according to Dr. McIntire, talking from Florida on 10/16, at 1900, on 17720. (August Balbi)

IRELAND EMA noted on 9785 at 2040, on ~~the~~ freq. Says has EE 24 hours a day. This information from Malcolm Archard, Mich...IBA on 9005, varies daily, fair at best, appears there is some jamming, at 2000. In //11960, which is good lvl, though some QRM. (Ed Insinger)...5 15315 IBA in language 1715, also Russian at 1735, good signals. (August Balbi)

JAPAN NHK will use 9505 from 0500-2130 in the General Svc from November 4, to March 2nd 1974. (August Balbi)...NHK's COS in EE on 15105, 2315, good lvl. (Ed Insinger)

MARTINIQUE Nice QSL card sent for my report of 3315, at 2340 tuning. Good lvl in FF when RTTY is absent. No sign of Sierra Leone on 3316. (Ed Insinger)

MONACO TWR, Monte-Carlo heard on Nov 11700 with EE IDs at 1814, 1829, and 1843, in between AA and Armenian prgms. Partly jammed, at best fair lvl. (Ed Insinger)

KOREA(N) Pyongyang, 9820, EE 0600-088, FF 1400 and 1500; EE on 9455, 1300(August Balbi)

MADAGASCAR 9605 EN Relay S/cm 0030, then EE news, //7205 not audible. (August Balbi)

NIGER 3260 S/cm 0530, Afro music to 0600, FF, poor lvl on 10/17. (Jim Hagen, Va.)

NEW IRELAND (FLASH) R. New Ireland, Kavieng, now operating 0645-1100 on 2428, since 8/22. Addr: P. O. Box 140, Kavieng, N. Ireland, P/NG. (Bob Padula via DSWCI). New country activated Nov. (Don Jensen of Wisc., via NU)

NEPH ANTILLES TWR, 11840, FF 2205; on 11930 in AA at 0500. (August Balbi)

MAURITANIA (TINT) 4850 This one heard in AA chants at 2250. (Steve Wallace)

PAKISTAN 11672 RP in World News in slow EE, 1800, only fair lvl. (Ed Insinger)

PERU 9770 R. San Martin (ex Samarín), 0200 music, full ID and anthem to 0447*. Uses slogan "...de la Revolucion Peruana, Voz heroica(?) de la Selva". Seemingly same station as 4825 in September FS. (Ernie Behr)

PORTUGAL Radio Portugal in EE S/on to Africa at 1856 on 21495, listed //11935. 21495 is excellent lvl, news and views about African countries. (Ed Insinger)

PANZANIA 15435 RT with U.S. pops, LA music, EE ID 1815, then chanting. (Steve Wallace)

TURK ISLAND 4788 Saturday, 10/20, disc jockey show, pops, ID, tuned in 2145, to closing 2205, good - on Tues and Thurs has EBC news when tuned 2128 and VOA news at 2200. No annots or ID on these days. Best around 2150. (Jim Hagen)...The "Turks Is.", 4788, station recently mentioned by several is not, "Turks Is' outlet but rather the all night service of SABC. Several have reported it with, "no annotations in between". I have written SABC for confirmation of 4789. First time I have ever heard them here. Check it for yourself. (Al Miller, Ohio. (Editor's note: Possibly we are talking about two different outlets, that's possible. I can't currently run a check on it as my working hours don't permit it.)

USA KXEL, San Francisco, 11920, new freq, S/cm 0300 in EE, now using 250Kw, v. powerful signal...WJLB, Red Lion, new schedule 2215-2315 in EE, on 11830;17720,15185, unchanged. (August Balbi)

USSR QSL in from Radii Rodina confirming my logging of them on odd 8405 in RR at / Balbi) 2000-2100. Any one else note them here?? (Ed Insinger)...Needs more checking but appears that R. Vilnius, Lithuania, S.S.R.: now sicks EE to NA on Sats and Sunds replacing former Friday transmissions. Noted on 9680 at 0045 this Sats, using usual Radio Moscow transmitter and freqs. (Ed Insinger)...RM via Riga, Latvia, S.S.R., on 12020 in RR from 1900-1928. Noted after 1928 with carrier, 1930 in EE prgm of RM to Africa. (Ed Insinger)

URUGUAY 9515 R. Sarandi, 0000 SS news and music past 0130, good lvl. (Ernie Behr)

VIETNAM(N) 15012 Hanoi from 1240-1328 on 10/1, noted in language. At 1230 were in EE. ID, freqs, men and woman in news. Closed at 1328 with, "Good-Bye". (Grady Ferguson)

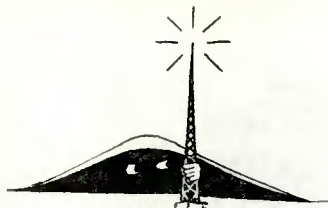
UNIDENTIFIED 3500 At 1100 a station observed in SS, mostly music with some religious prgms. Possibly Guatemala. Do they show this early? (Bob Zilmer) (Probably TGRA, Editor)... 15213.5 A mystery station from 2030 with pops, PP & EE annts, S/off varies 2053 to 2105, mentions "Internacional", in final ID. Weak, heard only twice. This may be a goodie, would appreciate some help. (Ernie Behr) (How about L. Marques, previously operating on 15295V, seems to me I recall they have a new, hi-power transmitter in use; PP and EE could fit, Editor)

Bob Zilmer remarks that as a member of the ANARC Freq Rec Committee that he has written to VOA complaining about their unlisted use of 9535 at 0200. QRM's Switzerland. Also informed ORU, Belgium, of QRM from Ivory Coast, covering them completely on 11920. (There will always be QRM as long as the SW broadcasters are forced to operate with insufficient frequency space allotments, Editor)

ITEMS RECEIVED AS WE WERE CLOSING THE FS COLUMN: (FLASH) PIRATE New Radio Valleri heard w/1 tests on 6.5 mgh, 1100-1137, 10/21/73. Requesting reports. (A.E. Martin, England)...AFARS and ISSAS 4780 Heard with definite ID for, Iai Djibouti", 0700. At 0652 had drum beat IS, excellent lvl, FLASHES George Schmabel, W.I....ENGLAND 3975 EBC 0545-0550 in GG talk by man, seemingly off at 0600, excellent lvl. (Jerry Lineback, Ill.) (PLEASE NOTE: Numerous reports were received as this was being closed - all will be used in the next effort, the Mid-Month FLASHSHEET, Editor)

SEPT. 1973 - SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 10-6-73: 1-89, 2-129, 3-135, 4-127, 5-108, 6-84, 7-77, 8-72, 9-75, 10-62, 11-42, 12-27, 13-0, 14-0, 15-8, 16-33, 17-20, 18-16, 19-8, 20-30, 21-39, 22-48, 23-58, 24-63, 25-82, 26-82, 27-83, 28-80, 29-75, 30-71 MEAN-60.8 PREDICTED: OCT-31 NOV-30 DEC-29 JAN-28 FEB-27 MAR-26 (Grady Ferguson, S.C)

ACKNOWLEDGEMENT: Thanks for the robust support for this issue, it's a treat - / Ferguson, S.C. mendous help. With the return of the IX season and your able help the FS should be able to report some real goodies in the coming months! Last minute items may be phoned to (812) 882-3976, before 2000 GMT. Please note this important time change. See you next issue, happy DXing to all. But, before closing, one last thought, it would be a big help if reports were posted in time so that they arrive here on the deadline. Typing of the column begins on that day.



CLANDESTINE BULLETIN

Larry Magne, 1315 Pine Street, Philadelphia PA 19107 USA
(Please note new address)

RADIO FREE AMERICA SILENT, MAY REACTIVATE SHORTLY

On October 11 a hearing was held in Federal District Court, Camden, New Jersey, to determine whether the temporary injunction against Carl McIntire's clandestine broadcasting should be made permanent. RFA's team of lawyers, then headed by former Camden mayor Al Pierce, argued that the FCC's regulations don't apply in international waters, where the anti-pirate broadcasting treaty (Geneva, 1959, signed by U.S. 1961) supercedes the FCC's prerogatives. However, the judge disagreed and, on October 24, handed down a ruling in favor of the Government. Lawyers sympathetic to RFA feel there are enough of what they see as contradictions to make an appeal worthwhile, and this appeal is scheduled to take place November 16. It may prove interesting, since former FCC Chief Counsel Benedict J. Cottone should be actively involved in his role as RFA attorney. He comes across as one whose legal and technical knowledge is ideal for this sort of litigation.

The legal approach discussed so far involves the concept of "clean hands", namely that the Government has no right to terminate McIntire's clandestine radio action when it has been doing the same thing itself for years (e.g., clandestine Radio Americas/Swan; plus such black clandestines as Red Flag Radio and Voice of the Patriotic Militiamen's Front in South Vietnam or "Pakse Radio" in Laos). There is also a question as to whether the ship-board clandestine station, Radio Free Cuba, operated for a time with the tacit consent of the U.S. Coast Guard. RFA lawyers have toyed around with the idea of subpoenaing various intelligence and counterintelligence officials who may know details of these U.S. clandestine radio operations...plus one or two other current or former high Government officials. Whether these subpoenas would be allowed or not has not yet been made known.

The plans for RFA are fluid, but come down to four basic choices:

- 1) Operating a ship under a foreign registry;
- 2) Legally reactivating WXUR;
- 3) Defying the court order and operating the ship as before; and
- 4) Giving up.

Since the last two choices are not being seriously considered, and since the second is a long shot, the most likely is the first. If this is decided upon, the approach will be unusual and should interest DXers even more than the prior operation. More on this in the December CB.

The frequency in the AM band will remain essentially the same, i.e. 1608 kHz exactly or adjusted upwards to 1610 kHz or so. The reason for the upward adjustment bears on a most unusual tactic by which RFA may return to the air and will be explained in a later issue should this strategy be adopted.

Dr. McIntire, who is a staunch supporter of Israel, has indicated he will use RFA to raise funds for the State of Israel and to relay the overseas broadcasts of the Israel Broadcasting Authority. Such a relay is technically difficult, due to the extremely high RF load that would enter a shortwave receiver's front end while RFA's transmitter was on; but either by overcoming the RF problem on board ship or by use of tapes brought to the ship from a remote monitoring post (e.g., a dinghy containing a battery-powered SPR-4 receiver and a Joystick antenna system) RFA should be able to beam Jerusalem's broadcasts throughout the northeastern United States.

MIDDLE EAST...UNDER FIRE!

With helzapoppin in the Middle East, Arab and Israeli radio schedules become of serious interest. Hence, details of the clandestine Arab "Voice of Palestine" follow, along with the tentative new winter Israel Broadcasting Authority schedule as just received here by cable from Jerusalem...too late for inclusion in Listener's Notebook.

VOICE OF PALESTINE ("Saut al-Filistine"): This is the broadcasting operation of the anti-Israeli "Palestine Liberation Organization", which controls the commando group Al-Fat'h. It beams its transmissions to the Palestine and throughout the Middle East. (con'd. on CB-4)



Pickets (including Mrs. McIntire, third from front) march before U.S. District Courthouse.



Rev. McIntire exits from hearing.



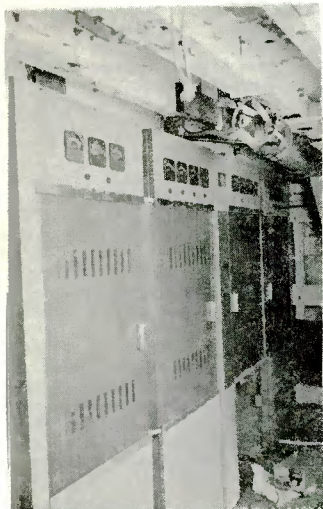
Dr. James Shaw (left), head of International Christian Relief, a McIntire operation.



Former FCC Chief Counsel Benedict ("Ben") Cottone (left) with WJNB's John Norris, Jr. Cottone is now on RFA's legal team.



RFA lawyer Al Pierce.



RFA's 10 kw RCA transmitter being aligned for operation on 1608 kHz.

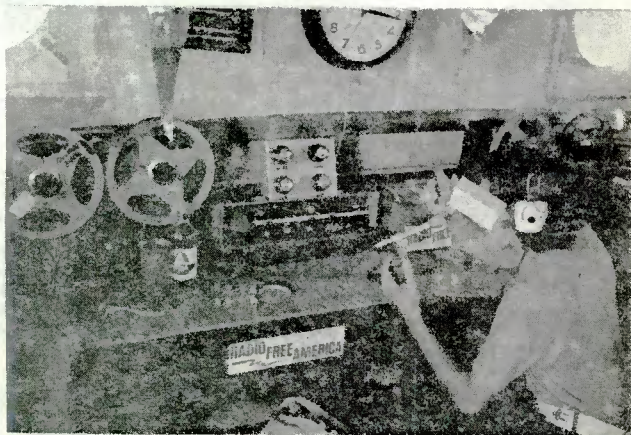


RFA docked at Cape May. Note rotting deck, which almost sent the Engineer to Davy Jones' locker one night!



Antenna feed-thru on main deck. Arcing took place at this point, restricting power to 5-6 kw on 1160 kHz. Arcing problem was cured by going to centered inverted-V antenna (see October CB).

Engineer Jones tests modulation in RFA studio.



Captain Paul Hammerle at helm with his son.

On September 14, 1973, Syria shut down the main transmitter of Voice of Palestine, located at Dar'a, arresting the staff and director, Ahmed Abdel Rahman. The reason given for this unexpected move was the station's broadcasting criticism of the recently-concluded Cairo accords...which apparently set the stage for the joint Egyptian-Syrian military action against Israel shortly thereafter. However, the BBC Monitoring Service reports that on October 17 another transmitter -- location unknown -- came on the air to take the place of the Syrian operation. Unlike the other Voice of Palestine operations, this new facility broadcasts not only in Arabic, but also in Hebrew.

Voice of Palestine programs are believed to be basically prepared at the Beirut office of the Al-Wafa ("The Faithfulness") Press Agency. All the transmitters are of significant power and can be heard oftentimes throughout the world. The best bet in North America is to tune in the RTV Algerienne program on 25 meters.

As of press time the schedule is as follows:

0800-0900 site unknown, 6661 kHz

Arabic & Hebrew

1700-1800* via R. Baghdad, 760, 7225 kHz (7225 kHz may be replaced by 3960 kHz winter)

1800-1900* Arabic

1730-1930 via R. Cairo, 872, 9755 kHz

Arabic

1830-1930 via RTVA, Arabic 533, 548, 980, 6145, 9610v, 9685, 11810, 11965 kHz

*Summer only *Winter only

ID: Arabic: "Saut al-Filistine, Saut ath-Thowrah al-Filistiniyah" ("Voice of Palestine, Voice of the Palestinian Revolution"), and "Saut al-Filistine". S/on & s/off: drum roll and martial song. V. very rarely by letter. Reply to any of the following: Saadoun, P.O. Box 3122, Baghdad, Iraq; in German to Nabil Kailat, Palestine Liberation Organization, No. 6 Fischerinsel, Berlin, German Democratic Republic; Palestine Liberation Organization, 18 Boulevard du Colonel Amirouche, Algiers, Algeria; or Hon. Sadaat Hasan, United Nations Observer, Palestine Liberation Organization, 101 Park Avenue, New York NY, USA. If all these fail, an unofficial source that may be of assistance is Dr. Mohammed T. Medhi, Secretary-General, Action Committee on American-Arab Relations, 441 Lexington Avenue, New York NY, USA. PUB: Filistine al-Thowrah, weekly in Arabic from Al-Wafa, Beirut, Lebanon; also, free political literature from Saadoun in Baghdad.

ISRAEL BROADCASTING AUTHORITY: Hardly clandestine, but included for reasons stated earlier. The IBA has decided to expand its North American Service almost fourfold from late October.

The schedule, subject to alteration in order to improve reception, is:

0500-0515 English 7095, 9009, 9625, 9785, 11725, 11745 kHz

0515-0530 French

1130-1200 English 10250, 15130, 17720 kHz

1200-1230 French

2200-2250a French 11725 / New York, plus (to other world zones) 6175, 7095, 7280, 9009, 9625, 9785 kHz

2300-0100 Home Service Relay (English, French, Hebrew, Yiddish, Russian, Ladino, etc.) 11725 to New York, plus (to other world zones) 7095, 7280, 9009, 9625, 9785 kHz (11725 may shortly be replaced by a 31 MB channel)

0100-0340 Ditto 9525 to New York, plus (to other world zones) 7095, 7280, 9009, 9625, 9785 kHz (9525 kHz may shortly be replaced by a 41 MB channel)

The following, although not beamed directly to North America, may nonetheless be heard at times and thus be of interest:

2000-2045 English to Europe

7280, 9785, 10250, 11700, 11725, 15100, 17720, plus 9009 to South Africa

0000-1730 Relay of IBA Home Service 12050 kHz

1730-2400 Ditto 9625 kHz (However, 9625 also allocated for 2300-2400 French broadcast -- Editor)

Reception reports are very much wanted for these new services (including the new Home Service relay). Reply to Mr. Fred Z. Stockheim, Liaison & Coordination Engineer, Engineering Department, Israel Broadcasting Authority, P.O. Box 7139, Romema, Jerusalem, Israel. Specify if you wish to receive a QSL.

VOICE OF PEACE: The Danish Shortwave Club's Pirate Editor, Poul Foged, indicates the Peace Ship was intercepted and put off the air by Israeli gunboats at the start of the current Middle East hostilities. However, Israel's David Crystal reports in a recent (October 23) SCDX that the Voice of Peace "now is broadcasting recorded music 24 hours a day from a point fifty miles north of the Suez Canal. Reception in Tel Aviv is good."

IRANIAN CLANDESTINES: The anti-Iranian Government clandestines written up in the September CB have undergone recent changes, according to the BBC Monitoring Service. Gone altogether since October 7/8 are Iranian Revolutionaries Radio and Voice of the United Front of the Peoples of Iran. Voice of Iranian Freedom Lovers has adjusted its frequency to 7215 kHz, while Voice of Iranian Kurdistan has drifted from its nominal 9630 kHz to 9633v kHz. Ernie Behr suggests the actual hours of transmission may be 1345-1445, not 1400-1420, and presumably the 1710-1730 repeat is also extended. Finally, Victor Goontilleke notes that jamming of these clandestine stations by the Iranian Government appears to have ceased.

TURKISH CLANDESTINES: In re. the September CB, Rumen Pankov has investigated the Our Radio verification situation and finds there is no Turkish CP office in Budapest...hence no QSLs.

LISTENER'S

Dan Jamison
310 Roanoke Street
Apartment 21
Richmond, Virginia
23225

Deadline: 15th



CORRECTION: ref page LN-2, October FRENDX: Correct freq for FINLAND is 9585, not 9595. Please alter your copies accordingly. My fault gang, not Ken's, sorry.DJ

SURVEY RESULTS - SPOTLIGHT, PART IV Credits for this month's spotlight go entirely to Ernst Lohe, VA/West-Germany for a job very well done indeed!

* **SUDEUTSCHER RUNDPUNK (SDR)** The SW tx is located at Muhlacker, West-Germany, an old site some 40 miles NW of Stuttgart operating with a power of 20 KW. Broadcasts are from 0355 til 2300, s/on on Sundays is an hour later. Best time to look for SDR is around 0600 after the strong Europeans have ceased transmissions to NA. I have also hrd SDR before s/off but not too well. QRM is too strong in general on 6030 and neighboring channels as well. PARTICULAR AFPTS is on at different times whipping everything else out. In late Dec. and early Jan. SDR comes in at 2100 (NA afternoon), before the foreign svc's begin. Best bet is still to look for it in the local early morning hours. A NA DXer should try to copy some of their ads which they run in their local morning. Also nx can be hrd each half hour. QSL policy is very good. A card is issued and changed fairly often. When SDR comes in strong it is good to look for other German stations as RIAS BERLIN and BR MUNICH. R.Luxembourg might give some good indication as to how European reception will be.

* **SENDER FRIES BERLIN** is using the facilities of Radio Bremen. As far as I know, 6190 has never been reported in NA; I don't know why. The power is 50 KW although beamed towards southern Europe. The diagram shows that at least 15 KW goes towards the Atlantic. Radio Morocco uses 6190 until 0000, also R. Bucharest to NA until 0500 and then R. Morocco signs on again, not to mention the VOA in Spanish. It is hard to get a clear channel. SPB and Radio Bremen share the same SW outlet; SPB 2300-2100, RB 2100-2300. SPB is anxious to get reports in order to know the response to its transmissions. There were rumors out that they might cease SW transmissions if interest would not justify continuation. Maybe the winter months will provide some afternoon reception, but a 24 hour operation should be audible at certain times. The QSL card is also shared by the two stations, only the postal meter tells where it is coming from. However there is another chance to obtain that QSL card. Since Sudwestfunk operates its tx on 7265 24 hours, they carry the ARD all-night-program, which is produced alternating daily by each of its member stations. (ARD is the name for a loose organization of all West German radio stations). I believe every 2 weeks it is SPB's turn to take care of this nightly program. Send a report to Berlin and receive a QSL in return. It does not work with other stations. They send the report to Baden-Baden (SWF HQ's) and the QSL is the same you probably already have from SWF. Ernst Lohe VA/WG

Ernst also notes that Hernan Coronel is v/s at Radio Centinela del Sur in Loja, Ecuador. He collects stamps with motifs of flora and fauna. Is anyone in NASWA interested in swapping stamps? His address is Sr. Hernan Coronel, Radio "Centinela del Sur", Casilla No. 196, Loja (Loja), Ecuador.

ALGERIA RTA, Algiers, has a new freq for AA. 6145 has been noted at s/on at 0600 and s/off at 2400 daily. // 11715, 17790 et al (Dr. Richard Wood LA)

ARGENTINA R. Belgrano, Buenos Aires, 11780 hrd w/their own pgms, not relaying RAE, at 0000. R. El Mundo on 15290 at the same time. (Dr. Richard Wood LA)

BRAZIL Radio Nacional de Brasilia broadcasts
Italian fm 1900-2000 Portuguese fm 1900-2000 all transmissions are on
German fm 1700-1800 English fm 2000-2100 15445, 11720, 9665, 6065
French fm 1800-1900 Spanish fm 2100-2200
(S.W. Eichenhorn MICH and Ernst Lohe VA/West Germany)

CHILE All Chilean SW stations are operating normally on usual freq'a. R. Corporacion, Santiago, noted on 15150 much of the day, 1500-0300 +. La Voz-de Chile, Santiago, noted on 6150 at 0100 on a night of good propagation; otherwise generally blocked by R.Atenea, Costa Rica; more frequently noted on 9690 around 2300-0300, QRM'ed by DW, 0125-0250. R. Mineria hrd on usual 97 not 9745 as rpt'ed elsewhere-2300-0300 and sometimes til 0500+. R.Portales 9570 peaking at 0100, although ID may now be Emiseras Diego Portales. (many thanks Richard; Richard Wood LA)

LEBANON Beirut to NA at 0130-0330 now on 9545, very badly mixed w/DW to NA on 9545. (Richard Wood LA)

RADIO REPUBLIK INDONESIA

Compiling an Indonesian Chart

was the task of LN's first Special Project. What is an Indonesian Chart, you might ask. No, the Indonesian Chart is not a list of the top ten records in Surabaya. The type of II Chart compiled was a chart listing all the RRI stations heard in the US in the past one year. It was not our intention to graphically list all RRI frequencies and corresponding sign-on and sign-off times. We instead included on the graph average tune-in and tune-out times as well as sign-off times which were actually observed either from year old loggings and observations or from loggings of the current period. Each frequency has three graphs, one for ECNA, one for MWNA, and one for WCNA. Our expert monitors for this special project were Dan Henderson MD, Ed Shaw VA, and Dan Jamison VA, representing ECNA. MWNA was represented by Steve d'Adolf ND, Gerry Dexter WIS, Don Jensen WIS, and Ralph Perry IL. The WCNA representatives were Bill Davis Calif, Bill Flynn Calif, Dave Williams-OR, and Jim Young Calif. The objective of the II Charts is to give NASWA members an overview into the II picture on SWBC as to what stations are generally available, on what frequencies, and at what times, also combined with an "index figure" rating the degree of difficulty of reception into the listener's QTH. Maybe we could refer to the D-O-D as the "tunability" of the station. How hard of a catch is this station? Is it there all of the time, some of the time, not very often? Establishing the "index figure" required our monitors to form a value judgement. We could not rely on S-meter readings because, as you know, different receivers give different S-meter readings on the same signal copied on the same antenna, etc. Therefore our D-O-D "index figures" are: AA..easy copy, noted most of the time, may be termed as a "bench mark" station. BB.. moderate reception, noted some of the time. CC..occasional reception noted, may be heard only on good II days, a gen-u-ine tuffie, first class DX. The "index figures" will not apply for everyone throughout the listed geographical area but should give you a good idea of what you are up against. Times listed on the charts will not be accurate for the entire DX season. Again, our times listed will provide you with a basis for comparison to see when others in your area are hearing station "X". Don Jensen has reasoned, "fade in times, etc. would vary considerably over the season ... they would tie closely to the sunrise period ((in the listener's area)). That is, for say Surakarta, optimum time would center on about 1200 early in October, about 1230 early in Nov., after 1300 in Dec., around 1330 in Jan. ((In Don's area)) I'd suggest the best indicator of when to tune is simply around local sunrise." Just as an interesting sidelight, out of the 142 identified RRI SWBC frequencies listed in the 1973 WRTH, 40.14% of them were heard in NA and were included in our survey. That breaks down further to 15.49% of them heard in ECNA, 17.60% of them heard in MWNA, and 40.14% of them heard in WCNA. The NASWA Country List divides Indonesia up into seven countries, Bali&Lesser-Sunda-Is., Borneo, Celebes, Molucca Is, Java, Sumatra, and West Irian. We used the following abbreviations in the charts: K-B Kalimantan-(Borneo), ISI-J Lesser Sunda Is-Java, J Java, M Mulukkas, S-C Sulawesi-(Celebes), SUM Sumatra, WI West Irian. Also represents tune-in time, is tune-out time and is sign-off time. In the past, there has been numerous loggings of low powered non-RRI stations on out-of-band frequencies. Pacific DXer Bob Bundy has said that these small stations were probably operated by ham radio op's and they seem to be most numerous around the period of Ramadan. Quite a few of these stations operate between 2350-3200kHz, just to name a relatively active range. Many regency governments also operate SWBC stations but they operate mostly outside of the established band limits. Radio Pemerinath Kabupaten Banguwangi is one such station and has been reported in the past on 4340. The II Charts list the regency gov't station located at Poso, S-C, which operates on 5273. Another broadcasting organization which has operated in the past is Angkatan Udara, the Indonesian Air Force station. 11323 used to be very strong in NA but now it is notable absent in the bands.

If you would like to obtain 8 x 11 copies of the Indonesian Charts, please send a SASE with either 2 8¢ OR 2 11¢ stamps PLUS 50¢ to your LN editor.

INDONESIA

AREA 735,264 sq. mi.
POPULATION 119,572,000
CAPITAL Jakarta
LARGEST CITY Jakarta
HIGHEST POINT Mt. Djaja 16,503 ft.
MONETARY UNIT rupiah
MAJOR LANGUAGES Bahasa Indonesian, local Indonesian languages, Papuan languages
MAJOR RELIGIONS Islam, Tribal religions, Christianity, Hinduism



INDONESIA

FREQ	QTH	COUNTRY	D-O-D	06	07	08	09	10	11	12	13	14	15	16	17
3810	U/I		ECNA												
			MWNA												
			WCNA												
3893	U/I RRI		ECNA												
			MWNA												
			WCNA												
3905	JAYAPURA	WI	BB												
			WCNA												
			ECNA												
3916	TERNATE	M	BB												
			MWNA												
			WCNA												
			ECNA												
3935	SEMARANG	J	BB												
			WCNA												
			CC												
3945	DENPASSAR	BALI	BB												
			MWNA												
			WCNA												
			ECNA												
3960	PADANG	SUM	BB												
			MWNA												
			WCNA												
			ECNA												
3975	SURABAJA	J	BB												
			MWNA												
			WCNA												
			ECNA												
3986	BIAK	WI	BB												
			MWNA												
			WCNA												
			ECNA												
3996	KENDARI	S-C	CC												
			MWNA												
			WCNA												
			ECNA												
4046	MERAUKE	WI	CC												
			MWNA												
			WCNA												
			ECNA												
4066	MERAUKE	WI	BB												
			MWNA												
			WCNA												
			ECNA												
4698	U/I	WI..?	BB												
			MWNA												
			WCNA												
			ECNA												
4719	UJUNG PADANG	S-C	BB												
			MWNA												
			WCNA												
			ECNA												
4764	MEDAN	SUM	AA												
			MWNA												
			WCNA												
			BB												
			ECNA												
4804	JAKARTA	J	AA												
			MWNA												
			WCNA												
			EGNA												
4822	PONTIANAK	K-B	BB												
			MWNA												
			WCNA												
			ECNA												
4841	AMBON	M	BB												
			MWNA												
			WCNA												
			AA												
			ECNA												
4855	PALEMBANG	SUM	AA												
			MWNA												
			WCNA												
			BB												
			ECNA												
4871	SORONG	WI	AA												
			MWNA												
			WCNA												
			BB												
			ECNA												
4885	BUKITTINGGI	SUM	AA												
			MWNA												
			WCNA												
			BB												
			ECNA												
4900	GORONTALO	S-C	BB												
			MWNA												
			WCNA												
			ECNA												
4927	JAMBI	SUM	BB												
			MWNA												
			WCNA												
			BB												
			ECNA												
4932	SURAKARTA	J	BB												
			MWNA												
			WCNA												
			BB												
			ECNA												
			MWNA												
			WCNA												

Art 61

42505-0000 666-84

COLOMBIA The new sta in Colombia on 5030 is BRISAS DEL CITARA. Also on that same freq is R. Contiente. Best chance to log this one is at your local dawn, during the short time between R. Contiente fading out and when Briasa de Citara fades out. There is approx 200 KHz difference between those two sta's. S/on time is approx 1000. Address is: Emisora BRISAS DEL CITARA, Carrera 3A, No.21-15, Quibdo-Ghecco-COLOMBIA. (Ernst Lohe VA/West Germany)

RADIO COLSAL-4945 has been noted in SS,EE, & Swedish asking DXers to write for their QSL and pennants and to send technical rpts for their technical staff. The ID is "the powerful R. Colosal that's hrd all over the world, the happy wave station." EE rpts are OK. (J.A.F. Valdes Canada)

DAHOMY Cotonou is sked'ld fm 0515-0830 M-Sat, to 0600 on Sun on 4870 and from 1600-2300 M-Sun on 4870 again. They b/c all day on public holidays, which seemingly include Sundays. (very good Ken Ken Earhart PA)

GUINEA Conakry has introduced new 11965 which may replace 15310. 9650 continues in parallel. Apparently in 24 hr operation; noted 1900-0600 (Richard Wood LA)

GUYANA Action Radio is on 3290 fm 0845-1245 and 1945-0445 on W,F,Sat and also fm 0845-1245 and 1945-0345 on the remaining days of the week. 5950 is sked'ld fm 1245-1945 daily. Power on both freq's is 10 KW, driving vertical incidence antenna arrays having a gain of approx 3 db. Xmr site is Sparendam, abt six miles E of Georgetown. (Very interesting Dave Ball, Ont.)

HONDURAS REP. HRN, La Voz de Honduras, is in regular nightly operation on 5875, noted fm 2300-0500. (thanks again Richard Dr. Richard Wood)

ISRAEL has Hebrew on the hr, EE at 15 min's past the hr, FF on the half hr, and Russian at 45 min's past the hr fm 2300-0400. EE is also b/c fm 2000-2045 and fm 0500-0515. There is also a musical pgm fm 0415-0445 w/HH ancmts. The RR b/c's are jammed and this jamming at times carries over into other lang svc's, notably HH. Freq's used are 9009, 9625, 9785, 11700, 11960, 15105, 15160, & 15315. 9009 seems to be the best outlet hrd in ECNA. (George Schnabel, NY; Elliot Straus, NJ; and Dr. Richard Wood, LA)

KOREA, NORTH DXer Bill Davis has revised his R. Pyongyang EE xmsm list which appeared on p.LN-4 in last mo's FRENDEX. Bill notes that 15150 and 16320 do not seem to be in use any longer. RP has EE fm 0500-0600 on 11535 1800-2000 on 12075, 9455 Pgm's end between 45 & 0600-0800 on 9820, 12075 2000-2200 on 11535, 6576 59 min's after the hour, 1000-1100 on 12075, 9455 2300-2400 on 15630, 11535 variable. 1200-1400 on 15630, 9455 (Bill Davis, California)

MARTINIQUE is sked'ld on 5995 fm 1200-2300 & on 3315 fm 1000-1200 and also fm 2300-0230. (good to hear from you again Tom Tom Cwikla, Conn.)

TRANS WORLD RADIO

	SHORT WAVE					ENGLISH	
	49 m	4' m	31 m	25 m	19 m		
	5 965	7 105	9 550	11 705	15 270	00:30-01:30	Nightly
	0 050	7 125	9 575	11 725	15 295	04:15-04:30	Saturday (DX Special)
	8 165	7 150	9 600	11 775		x 07:25-08:50	Mon. through Fri.
		7 150	9 615	11 780		x 07:25-09:00	Saturday/Sunday
		7 205	9 665	11 785		x 09:00-11:00	Sunday
		7 230	9 675	11 815		09:30-09:45	Saturday (DX Special)
		7 245	9 690	11 840		x 10:30-11:00	Monday Tuesday
		7 260	9 685	11 835		x 11:00-11:15	Monday
		7 290	9 735	11 905		15:00-18:55	Sunday
		7 290	9 735	11 905		19:30-19:15	Tues./Wed.
			9 745			19:30-19:55	Sat.

PERU R. America, Lima, all night svc 0500-1000 on 9505, often noted advertising Inca Cola. Badly mixed with NHK and Prague. (DXer Richard Wood LA)

POLAND in EE/Polish to NA fm 0200-0400 on 15120,11800,11810,11815,11955,9675, 9540,9525,7285,7270,7145,7125,6135,6095,5995. (Ed Insinger, NJ)

SWEDEN RS to ECNA now on 6000, TAIWAN VOFC to NA 0200-0320 in EE 7130,11825, ex-9665, 0000-0230 (R. Wood) 15125,15345,17720,17780,17890 (Buddy Stephens)

USSR-SOVIET FAR EAST SITUATION RPT: Fall/Winter Changes as noted by Bill Davis. 3910-not hrd lately 3995-1330-1500 4030-new sta or oldie on NF 06-1330f/o 5015-Vladivostok, "formal"s/off @ 1400 6035-s/off @ 1400 on W,F,Sat,Sun 7200-Yakutsk 2200-0615 (diff sta)

Bill has also noted that this yr has seen a vly noticeable degradation in pgm quality fm Soviet Asian Sta's. This is the result of the poor quality of the Mayak satellite relay to the Sov. Far East. This is easily seen when we compare 1972 & 1973 quality rpts. 1972 Regular HS pgm 1 Excellent 1973 Regular HS pgm 1 Excellent Mayak Net-pgm 2 poor Mayak Petropavlovsk-local erratic Petropavlovsk-local poor -Moscow,relays,Mayak,other poor

TAHITI M-F fm 1600-2330 & 0300-0700; Sat 1600-2330 & 0300-0900; Sun 1800-0700 all on 6135, 9750, 11825, & 15170. (Tony Marks, OR and Tom Cwikla, Conn)

Just enough space left to extend a hardy word of thanks to all of our contributors. Hope to hear from YOU soon. Have you contributed to FRENDEX lately? ??

SWITZERLAND Last test of yr fm ICRC on Nov 19,21,23 on 7210 @ 0600,1130,1700,2300. B/c's are 1 hr in length in EE,FF,SS GG&AA. (Scott "Abe" Reeves, MD)



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Due to a promotion to managing editor for news of the New Haven Register, in addition to his new teaching duties nights at Albertus Magnus College in New Haven, Shortwave Center editor Alvin V. Sizer has been forced to resign. In his year as editor, his unselfish contribution of time and effort have helped preserve the high quality of FRENDX as the "Shortwave Journal." For this, headquarters joins with the general membership in wishing Al success in his new position and in gratitude for his services.