
RADIO RIGA

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DECEMBER 1975

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*P.O. Box 13
Liberty IN 47353*

North American SW Association

Loudenboomer

MERRY CHRISTMAS

report



CHARLIE MEETS SANTA CLAUS

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

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

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

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

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

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

-Charlie Loudnboomer-

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

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
DECEMBER, 1975

SPECIAL ANNOUNCEMENT: The January issue of FRENEX will be mailed a week later than usual due to the Christmas and New Year's holidays falling in the middle of the usual time FRENEX is being readied for publishing. It will be in the mail on January 10, 1976.

NASWA RADIO COUNTRY LIST: Country List Chairman, Don Jensen has completed his revision of the NASWA Radio Country List ahead of schedule and it has been received just in time to be included as a 12 page supplement in Ed Shaw's book "DXing According to NASWA", so anyone who has or intends to order a copy of our new book will receive the Radio Country List as a part of that publication. Although the list is not available now, other than as a part of "DXing According to NASWA", it will be available in the near future as a part of a new 16 page pamphlet "NASWA Radio Country List and Awards Program" which is to be published by the club printer, Jerry Lineback. A copy of the pamphlet can be obtained by sending a long SASE to Jerry Lineback, P.O. Box 325, St. Joseph, IL 61873. Allow a few weeks for delivery since it will take some time to publish it. The Radio Country List will not be published in FRENEX until some time in the future, so get your advance copy through Jerry, or order a copy of "DXing According to NASWA" from HDQ for the previously announced price of \$3.00 postpaid.

1979 WORLD ADMINISTRATIVE RADIO CONFERENCE: The FCC SWBC working committee preparing for the 1979 WARC has formed two committees, each with ANARC representation. The ANARC reps need comments from all SWLs concerning their past and present experiences when listening to shortwave broadcasters beamed to North America (no proposals for future allocations or regulations are yet needed). Especially useful would be input on the problems encountered when using less sophisticated receivers. Please send comments to the representatives not later than December 15.

The Technical Committee wants to know if the present 5 kHz frequency spacing is adequate or does it cause adjacent-channel QRM? Are SWBC stations beaming to NA using enough power to give an adequate signal? Or, are they using too much power? Send comments for this committee to Gleyn Hauser, c/o WILL, University of Illinois, 228 Gregory Hall, Urbana, IL 61801.

The Present Usage Committee is trying to determine if there are too many SWBC stations for the presently-allocated bands. Or, are the present bands adequate? Do stations that resort to out-of-band operation have to do so to escape QRM or could they find a usable channel within the presently-allocated bands? Input on these issues should be sent to Kim Andrew Elliott, 1231 8th Street, S.E., Minneapolis, MN 55414.

INDONESIAN STATION ADDRESS LIST: NASWA member Satriyo Basuki, Surabaya, Indonesia has sent an updated list of 48 RRI station addresses which he says would be helpful in sending reception reports to Indonesian broadcasters. A Xerox copy of his list is available from Headquarters for a SASE. We appreciate and thank Mr. Basuki for this information.

INTERNATIONAL LISTENER: We have advance information that a new shortwave listeners magazine is scheduled for distribution in January. We are advised that this is a magazine and NOT a club, with the emphasis on the actual programming of international broadcasting. The magazine will be monthly, 40 pages, 8½" X 11" with generous use of articles, photos, and illustrations.

The publisher offers a FREE sample copy of the January issue for a post card with your name and address mailed to "International Listener", P.O. Box 3782, Austin, TX 78764. Information on subscription rates, etc can be obtained from the publisher.

ARDXCers TO VISIT U.S.A.: Australian Radio DX Club members Bob Padula and Robert James will be touring the U.S. during the month of January. A special meeting of interested DXers in the Los Angeles area is being arranged for Tuesday, December 30, 1975 to welcome these gentlemen. Anyone interested in attending that meeting can contact either Bob Hill, 1626 Bonita Avenue, Berkeley, CA 94709 or Stewart MacKenzie, 16182 Ballard Lane, Huntington Beach, CA 92649. Include a SASE for the reply.



1975 has been a good year for NASWA, and it appears that 1976 will be better yet! Best Holiday wishes from HQ.

M. R. Leonhart
M. R. Leonhart, Executive Editor

Shortwave— Center—



•Editor: Jerry Lineback
Box 325, St. Joseph, IL. 61873

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Thanks to all our contributors. We will try to get all worthy material into print. Page limitations, however, require us to select material of the greatest interest and to edit articles to reduce the space they take. Contributors should keep in mind that the ideal major feature article occupies 2 FRENCH pages. Minor features are best at about 1 page. Shorter articles are of course desirable also.

We would like more features on shortwave broadcast stations.

KEEPING IT QUIET - Chapter 2

NOISE BEGINS AT HOME

Morgan Monroe, Sandpoint, Idaho

That sheet-ripping sound you may hear at times when tuning your receiver could be nothing but a loose tablelamp connection, and the buzz that bugs you on 31 meters may come from your own TV set. Like charity, radio noise-reduction efforts should begin at home. You may discover with some surprise that much of the random electrical noise entering your receiver is of your own making, but until you've checked your home for possible noise sources, you can't be sure. When satisfied that your antenna system is as free of noise-generating possibilities as you can make it (see September SWC), take a look at your home's electrical facilities. You may find it possible to eliminate or subdue much of the random noise you're hearing right at home.

Evaluating the noise-making potential of a house or apartment isn't complicated, but it does require time; don't try to do it all at once. Begin at the point where your receiver plugs into the AC line. Is the receiver connected directly with the AC outlet or does its power plug share cube tap space with those of other equipment or appliances? If the latter is true, unplug the cube tap and plug the receiver directly into the outlet. If the background noise level drops, leave the receiver plug where it is and connect the other equipment to another outlet.

Next, determine if the AC wiring system in your home is grounded. If it is, you will find somewhere, not far from the point of electrical service entrance, a large wire clamped securely to a cold water pipe or perhaps to a driven ground rod. If you fail to find such evidence of grounding, consult a reputable electrician since you and your family could be endangered by this condition. If you live in an apartment, check with the building super.

When the electrical ground question has been settled, you are ready to conduct site-noise tests. Tune your SW receiver to some unoccupied frequency in the 8-10 MHz range and have a family member or friend operate in turn every electrical switch in your home while you listen. If you hear anything other than a brief click when AC switches are operated, make a note of the switch location and kind of noise heard. This testing should include all wall, ceiling, and lamp switches in the house including basements, attics, closets, patios, garages, and storerooms. Then, under similar conditions, have your helper switch on and off all electrical appliances, power tools, radios, TVs, and anything else in your house powered by electricity that might be operated while you are listening to the radio. Don't forget space heaters, electric blankets, heating pads, and fish tank heaters.

Most of us don't realize how readily electrical noise is generated. A single loose AC connection anywhere on your premises or those nearby can cause tiny electric arcs which, after amplification by your receiver, sound much like thunderstorm static. Terminals, switches, thermostats, and circuit breakers are often triggered into noise generation at

times when no one is near them due to vibrations or temperature changes.

If you're competent to handle your own electrical maintenance, you will know what to do in quieting offending noise-makers. Don't tinker with AC wiring, equipment, or appliances unless you are sure of what you are doing and turn off the power first. Instead, refer the problem to a competent electrician. Explain to him what you seek to accomplish; he will take it from there.

After quieting your premises electrically, you can be sure that remaining random electrical noise is coming from elsewhere. It's then time for a leisurely walk around your neighborhood. Take along a battery powered, portable medium wave receiver, preferably one with a whip antenna. Tune the receiver to any frequency near 1000 kHz not occupied by a local broadcaster and leave it on as you walk. Note the background noise level. Is it higher in some areas of the neighborhood than in others? Does it rise sharply in any particular location? Can you hear popping or frying sounds when passing certain power poles? Does noise reach a roaring crescendo at some point along the way? Any one of these signs is sufficient reason to consult your local power company. Explain why you are seeking to reduce electrical noise, ask the company to run a noise check in the area and tell the individual with whom you talk where and when you found noise peaks. Time of day sometimes is a clue to the noise source. Most power companies are cooperative in such matters and will follow up your report. You may suddenly notice a few days later that some long-troublesome noise has disappeared.

When you have taken these steps, you may be reasonably sure that any remaining electrical noise is not being generated in your home or by the local power lines. The next suspect area centers around your neighbors. But unless they, too, are SW receiver owners, you are not likely to enlist their interest in your noise reduction campaign.

The ideal solution for the problem of neighbor-produced electrical noise is, of course, installation of noise filters on their offending equipment and appliances, but this is impossible in most cases. The next best course - admittedly a less efficient one - is to apply the filtering principle at your end of the AC line.

In any noise-reduction effort, it must be recognized that random electrical noise enters SW receivers both by radiation and through the AC wiring. Radiated noise is propagated much as are radio signals and is picked up by the antenna and fed into your receiver just as are broadcast signals. "Line noise" - a very common form of electrical interference - arrives at the receiver via the conducting power system to which it is connected. Such noise may originate anywhere in the system, but is usually strongest and therefore most troublesome when coming from a nearby source on the same AC feeder line.

Your neighbor's noisy electric drill or his wife's equally noisy electric mixer are typical of tools and appliances that can interfere with SW reception. Unless you have unusually cooperative neighbors, there isn't much you can do about this at the source, but you can attenuate line noise at your receiver location once you know how. Although it's true that you can't do much about radiated noise except enlist the aid of your local power company, it is equally true that you can reduce line noise substantially by filtering the AC line where your receiver is connected with it. This measure works well in most receiving locations.

The next article in this series tells you how to make and use an efficient, low-cost line filter capable of attenuating AC-conducted noise at SW broadcast frequencies. It's a simple project requiring only a few hand tools and inexpensive parts.

HAVE A **HAP** PY DAY - THE HANDICAPPED AID PROGRAM

by Ken Smith, Livonia MI



The Handicapped Aid Program (HAP) was started in January, 1972, as an activity of SPEEDX. The purpose of HAP is to: (1) Seek out and introduce shortwave to the physically disabled. Handicaps include birth defects and others acquired later in life. (2) HAP makes every effort to aid those already in the hobby by (a) supplying replacement equipment and/or technical and layman information, or (b) providing one or more or more of their service committees to help the handicapped fully enjoy the hobby. All of these benefits are available to any eligible person interested in the hobby.

HAP provides the following services to the handicapped: (1) Tapes of bulletins and a blind DXers course for blind HAPies (members of HAP). (2) Equipment under certain circumstances and in accordance with the equipment agreement. (3) Bulletins either free or at 1/2 price. (4) HAP-PALS to provide information and friendship to HAPies. Handicapped people are notified of these services through newspaper articles, by club members, through international radio broadcasts, or through Radio Canada Shortwave Club membership. (NOTICE - RCI announced that as of November 2, 1975, the club program, the club bulletin, and the Listener's Mailbag program, will be discontinued).

Another service that is available to anyone is HAP's Translation Committee. The committee has translators for 15 languages. This service is available for a small charge, contact HAP headquarters for details.

The international voice of HAP is Radio Nederland. Spot announcements about HAP appear over Radio Nederland's DX Jukebox, HCJB's DX Party Line, and formerly over the Radio Canada International Shortwave Club Program.

Before I go any further, I should tell you that there are HAPs in countries besides the US. There are also HAPs in Canada (CHAF), England (HAP-UK), India (UDXI-HAP), South Africa, Argentina, and one is being developed in Oceania. All these HAPs are brought together by the HAP International Coordinating Committee (HICC). The HICC is a clearing house for the exchange of information among the various HAPs around the world. If you would like to start a HAP or have started a HAP and would like to join the HICC, write to the address which will be at the end of this article.

HAP-United States (HAP-US) has many money-raising projects which are available and helpful to anyone. Among these are: (1) Radio Canada Shortwave Club's Idents and Interval Signal Series, African Section, now available for \$3.50 on cassette or open reel tape. This section includes 27 African stations. The tape including Europe and the rest of the world will be available after 30 October, 1975, for \$4.25. These tapes are available through money order ONLY. (2) HAP would like cancelled postage stamps from any country. These stamps should be sent to Wes Ogden, whose address is with the others at the end of this article. (3) Smile rubber stamps are smile faces with headphones on, which is the official HAP symbol. These cost \$2.00 in the USA or \$3.00 US for airmail. (4) HAP pens for \$1.25 with additional pens for \$1.00 each. (5) Language Identification tape, now available for \$4.25.

CHAP also has these money-raising projects except for the rubber stamps and pens. CHAP also has the following additional projects: (1) The Pennant Collectors Guide for \$0.40. This lists 110 stations that offer pennants and gives tips on collecting pennants from radio stations. (2) CHAP would also like your cancelled postage stamps (send these to the CHAP Stamp Approval Service). CHAP makes these stamps available to anyone who wants them. Below is the CHAP price list:

SPECIFIC STAMPS (any country)
Commemorative/special type 3¢
Non-comm/non-special type 1¢

1000 PLUS BAGS (specify Canadian, US, or overseas)
Each bag contains at least 1000 stamps. Any stamps not wanted may be returned to HAP for future use. Simply select the ones you want, any quantity for just \$1.00. \$1.00 per bag.
Minimum order \$1.00; each order must be accompanied by 14¢ or 1 IRC in return postage.

If you have receivers, books, or other equipment or materials you don't need, DON'T get rid of them, your nearest HAP can use them. Write your nearest HAP for details on how to send them.

For those of you who may not know, Gene Moser, former director of HAP-US, resigned as director on July 31, 1975. Below is a copy of his resignation letter:

"On July 31, 1975, Gene Moser, director of HAP, is resigning that position in order to be able to devote more time to personal business. He will continue to be active in the HAP International Coordinating Committee.

On that date, Ted F. Poling, P. O. Box 163, Mt. Sterling, Illinois, 62353, will become director. He has been assistant director for several months.

Gene has been director since 1972 and had shepherded HAP's growth to a world-wide organization.

Bill Paschke was the first assistant director, and his assistance was invaluable to HAP's growth.

We wish Gene success in his new business, and extend our gratitude for his great efforts in founding HAP.

No great changes in HAP policy are contemplated. We ask for the continued cooperation of clubs and individuals without which HAP's existence would not be possible."

I would like to wish Gene success in his new business, and I will try to give Ted any assistance I can. I would like to tell you about something that is available from Harry van Gelder of Radio Nederland. It is the text of his monthly HAP talks over Radio Nederland's DX Jukebox. When you send for these talks you receive the following: Introduction, his talks on HAP and CHAF, and his talk on the HICC, the World in my Ears-Listening Blind by Arthur Cushen, and the previous monthly talks. You can also have your name added to the mailing list for these monthly talks and receive them each month, just tell Mr. van Gelder if you have received the introduction and any previous talks. Write to Harry van Gelder c/o Radio Nederland, P. O. Box 222, Hilversum, Holland.

Now the rest of the addresses:

HAP International Coordinating Committee
6805 Woodland Court
Coloma, Michigan 49038 USA

HAP-UK
13 Thirlmere Rd.
Preston, Lancs. PR1 5TH
ENGLAND

HAP-US
 P. O. Box 163
 Mount Sterling, Illinois 62353
 USA

UDXI-HAF
 P. O. Box 32
 Bangarpet-563 114
 INDIA

CHAF
 23 Lamont Ave.
 Weston, Ontario M9N 2J9
 CANADA

CHAP Stamp Approval Service
 9 Grandin Place
 St. Albert, Alberta T8N 1Z5
 CANADA

Wes Ogden
 P. O. Box 283
 Bell, California 90201
 USA

I would like to thank Ted F. Poling (Director HAP-US), Harold Sellers (Chairman CHAF), and Harry van Gelder for the information they supplied. Also thanks to Radio Canada International for permission to use the information in the Shortwave Club bulletin. Thanks too to Ian McFarland of RCI and Gene Moser for forwarding my letters to the right people.

Letters to the Editor

We received only a couple of letters on the antenna article in the October SWC. Perhaps everyone is equally confused. We did receive a long letter from Morgan Monroe, Sandpoint, Idaho, who pointed out that the article by D. C. Money was perhaps misleading and confusing. Morgan also points out that there are more than 100 varieties of coaxial cable, only a few of which are suitable for use with single-wire antennas. Indeed this is so. The common unshielded flat TV lead in cable is a coaxial cable. Coax wire is simply two (or more) wires that are always in the same position with respect to each other (coaxial= common axis). Such cables usually have a lower loss of radio frequency signal per unit length than non-coaxial wire. Thus they are used for TV lead-in or for radio transmitter to antenna or antenna to receiver hook-up. Some are shielded. That is, they have a central wire surrounded by a woven copper shield. If the shield is grounded, the central wire is protected from picking up stray RF signals (noise). As Morgan pointed out in his previous article, such a lead-in will help eliminate random noise pickup such as that from powerlines. There are also available some cables that are shielded, but not coaxial.

However, as also pointed out by the traditional L-antenna, that antenna system has a vertical element in the unshielded lead-in that would be eliminated by using shielded cable. The unshielded vertical element would tend to pick up more vertically polarized random electrical noise. Therefore, each listener needs to evaluate his antenna system and devise the best system for his location. I agree with Morgan that low impedance shielded coax with the shield grounded will eliminate considerable noise pickup in many situations. A little experimentation will show which is best for your use.

THOSE ACCRA POST OFFICE GUYS ARE AT IT AGAIN. Miss Susan Wyllie of Franklin MS writes that she has recently received a letter from our friendly pen-pal in the Accra, Ghana, Post Office. He wants to exchange photos and presumably also pictures of American Presidents in black and green. FRENCH readers should not be flim-flammed by those letter readers there. You can get your QSL from Radio Ghana or the CBC without dealing with them.

SURVEY OF SHORTWAVE LISTENERS. David Mackes of Baltimore MD sent in a copy of an article by James L. Hall and Drew O. McDaniel entitled "The Regular Shortwave Listener in the US". The article is too long to reproduce here but it appeared in the summer issue of the Journal of Broadcasting (vol. 19, no. 3, page 363) and it is recommended for your reading. The survey was based on questionnaires sent to members of the Newark News Radio Club and is based on the premise that Shortwave Hobbyist really does care about SW program content. The basic results of the survey were that about 40% of the respondents were between 23 and 40 years old and that nearly three-quarters of them had some college education. Students and professional occupations were most often indicated. These people indicated that their reasons for tuning shortwave were in descending order of importance, 1. hobby of DXing, 2. enjoyment of listening to far away places, 3. to get a different perspective on the news, 4. to learn about the world, 5. entertaining programs, and a few others. The survey indicated that hobbyists viewed TV much less than the US average. (Have you looked at TV lately?). Perhaps if more people knew about shortwave, there would be less TV watching. Program preference by those surveyed rated news, commentary and documentary informational type programming as the most popular followed by popular music. Light and classical music and drama rated at the bottom of the list. As noted in the November LN, Radio Nederland was cited as the favorite international service with Radio Australia, the BBC, and RCI also popular. Radio Moscow and the VoA were not ranked. The article concluded with the observation that hobbyists are not just interested in logging stations and getting QSLs. Getting information is also an important reason why they tune shortwave. The SWL and DX hobbyist is an important part of the listening audience for international shortwave broadcasters. Let's hope they read this article too.

WARC**WARC**

PREPARING FOR WARC 1979:

A REPORT ON THE FIRST FCC SWBC WORKING GROUP MEETING

by Kim Andrew Elliott

The FCC Working Group on HF Broadcasting preparing for the 1979 World Administrative Radio Conference met in Washington on October 21. Shortwave listeners in the US were represented by Larry Magne of the North American Shortwave Association and by Kim Andrew Elliott of the ANARC Frequency Recommendation Committee. Also attending were:

Roger Legge (International Frequency Management Service)
 Sid Kessler (USIA)
 Arthur Thomson (WYFR)
 Hugh Fallis (Radio Free Europe/Radio Liberty)
 Ralph E. Dippell (consulting engineer)
 David Sumner (ARRL, observing)

Stanley Linewall of RFE was elected in absentia as chairman of the Group. Roger Legge was elected vice-chairman and presided over the meeting. The first two hours consisted of a general discussion on a wide range of topics concerning shortwave broadcasting. It was finally decided that the Group would investigate current conditions of the bands before making any proposals for future alterations. Two ANARC motions were then adopted subdividing the Group into two committees: 1) a technical committee to discuss channel-width, maximum power, minimum usable power, and similar matters, and 2) a present usage committee to study the present activity (i.e. too much or too little) on the presently-allocated SWBC bands. Each committee consists of at least two industry and two "consumer" representatives.

A third ANARC motion to form a committee of one industry, one consumer, and one ARRL representative to discuss the present band-sharing situations on 40 and 75 meters was withdrawn after it was deemed inappropriate by the FCC officials present. According to the officials, the FCC could not sanction dialogue on the use of these bands by SWLs as they are not presently allocated for broadcast use in this continent.

The two committees are currently collecting data to be written up and submitted to the next general meeting of the Working Group on January 12, 1976. Input from all shortwave listeners is solicited as detailed on the HDQ page of this month's FRENDX.

ADDITIONAL NOTES BY LARRY MAGNE

The specific purpose of this group is to determine what role the US is to play at the 1979 ITU WARC meeting that will, among other things, define shortwave broadcast standards for two decades to come.

As it turned out, the fundamental no-no at the meeting was our opinions. Our Service group on International Broadcasting would confine itself to facts, please, and the opinions would be formed at various governmental agencies.

Most of what was covered at this first meeting was procedural and can be summed up as the creation of the two task forces mentioned above. Stanley Linewall will chair the technical committee and Roger Legge will chair the usage committee. "Consumers" (listeners) will be represented on each.

An interesting aside was the mention by Hugh Fallis that under certain conditions, such as the US being forced out of its overseas radio relay bases, it may be necessary to go to as much as 50 megawatts per transmitter on shortwave in order to be adequately received. This naturally produced some discussion along the lines of ionospheric damage, and both he and Sid Kessler displayed considerable concern about the need to guard the ionosphere as a "natural resource". They seemed to think the Bureau of Standards site at Platteville, Colorado, where the research was being done on the effects of extreme RF on the ionosphere, had been closed down for either lack of interest or funds or both.

Another interesting development was the obviously strong desire on the part of both the ARRL and the SWL representatives to resolve the 4 and 7 mhz sharing difficulties.

The next meeting is scheduled for 12 January 1976.

Will leave by end

Spain to give up Sahara

of February

USSR VERIFYING TRANSMITTER SITES - HOW ACCURATE?

by Roger Legge, McLean VA

Now that Radio Moscow is specifying transmitter sites on QSLs, there is an increased interest in the location of Radio Moscow transmitters, particularly since this involves the prospect of verifying a number of new countries from the 15 Republics of the USSR. This also raises the question of the accuracy of the sites given on the QSLs.

I have been studying the RM site situation closely this year (article dated 9 September 1975-editor) and the present state of my opinion is that the sites are mostly in the general areas listed and/or QSLed, but not necessarily at the specific site stated. There are some exceptions, which seem to be mostly related to old ITU registrations. In-band frequencies are QSLed in accordance with the IFRB listings. These listings appear to be different than the apparent transmitter area in some cases. There are generally old ITU registrations on the frequency for that site. However, the IFRB listings and QSL sites appear to be becoming more accurate.

The Central Asia sites seem to be correct. The use of Frunze and Duchanbe to South and Southeast Asia makes sense. Kenga used to NA seasonally on 5910, 9720 or 11720 looks OK. It is almost always weaker than the European Tx on the NA service. The Far East Tx's on the NA and East Asia services are certainly in that area, but I can't determine from here how accurate the specific sites stated are.

It is the European area transmitters on the NA service that I feel are most subject to question. If one assumes that the same schedule is broadcast by transmitters moving seasonally to different bands, the European Tx's on the NA service line up as follows:

Trans.	Schedule	Frequency and IFRB listing of site		
		Fall and Winter	April and August	May to July
#1	2200-0500 incl. 2200 RR, 2230, 0030 Lith	7355 Moscow (7290 9/75)	9685 Moscow	11770 Kiev
#2	2230-0500 incl. 2230 Lith, 0030 SS (7165) or Lith on 9 MHz	7165 Kiev	9530 Moscow	9685 Moscow
#3	2300-0300 incl. 0030 SS	7105 Orcha	9655 Orcha	11870 Kaunas
#4	2200-0500 incl. 2230, 0030 Ukr. 0200-0400 SS to CA	7150 Sverdlovsk (Lvov 9/75)	9600 Moscow (Simferopol 9/75)	11735 Vinnitsa
#5	2200-0500 incl. 2200, 0030 Ukr.	7205 Armavir (7250 Tula 9/75)	9665 Ivanofrankovsk	11850 Vinnitsa
#6	2200-0500 incl. 2200 Ukr., 0030 SS	7115 - - - (7100 8/75)	7100 - - - -	11750 Lvov (2200- 0030) 9530 Moscow (0100- 0500)

Comments on Trans:

- #1 The 7355, 7290 and 9685 freqs. QSLed as Moscow. The 11770 freq. QSLed as Kiev acts propagationally more like a Moscow area tx, which would place it at the same location as the other freqs. of this transmission. There is an old Kiev registration on 11770.
- #2 2230 sign on. The 9530/9685 freqs. QSLed as Moscow, but 7165 as Kiev. This might be an actual site change since 7165 carried SS at 0030 instead of Lith.
- #3 Has late sign on (2300) and early sign off (0300). The 7105/9655 channels both QSLed as Orcha (Byelorussian SSR), but 11870 as Kaunas (Lithuanian SSR). This appears to me to be the same transmitter. However, should one question the advantages of QSLing two new countries with one tx?!
- #4 This carries SS to CA at 0200-0400, separating from the NA EE px. It was listed as Sverdlovsk (7150), Moscow (9600), and Vinnitsa (11735). However, the new Sept. 1975, IFRB sked changes 7150 to Lvov and 9600 as Simferopol, placing all three freqs. in the Ukraine, but at different sites. My opinion of site location is Kiev.
- #5 Ukraine sites for 9665 (Ivanofrankovsk) and 11850 (Vinnitsa), but 7205 listed as Armavir, in southern RSFSR, east of Simferopol. Was on 12000 for a while this summer and QSLed as Armavir, which may be the correct site for this one.
- #6 First appeared last winter on 7115, moved to 7100 on 24 April, then to 11750/9530 on 4 May, back to 7100 since 1 August. It can be identified by occasional strong background noise (noisy line feed?). The 11750 channel QSLed as Lvov, and 9530 as Moscow. Propagation characteristics definitely indicate a southerly location.

There could of course be some juggling of the tx sites when changing bands, due to lack of a NA antenna for a band at a particular site. However, the general practice is to build antennas for several bands on the same bearing, using a straight row of towers.

My personal opinion is that Mrs. Stepanova is doing the best she can with the data

provided to her by the Engineering Staff, but this may differ in some cases from actual sites, perhaps in part due to use of old registration sites. I would be interested in other listeners comments on the site subject.

More on the subject of USSR transmitter sites has been received from a WRTH USSR expert considered a reliable source and relayed via Al Sizer, North Haven CT. This expert says: "I think you will be happy to know that Dushanbe really was the one that used 7175 for IA last winter. First it was on 9780 with CC, then they reversed the antennas and went to 7175. Besides 7300?4975 and 4635 there are four transmitters on SW in Dushanbe. I am still doubtful about the correct location of the "Kishinev" site, it might as well be somewhere in western Ukraine, like Ivanofrankovsk. I cannot tell which freq it uses for NA at this instance as I have not checked that recently, the NA freqs. are often changed. For IA it is on 9490 and 11880. Speaking of USSR reliability, we wont mention that they broadcast to NA/SA on 41m by telling IFRB the transmissions are for Western Europe." Dated 16 Sept 75.

Artificial Aurora Extends, Improves HF

The February 1975 issue of MicroWaves magazine noted in a short article that the Defense Department's Advanced Research Projects Agency, Washington, D.C., has found a way to extend and improve HF communications.

Normally, signals from the HF band (band of 3 to 30 MHz) are reflected back toward the earth for distances of about a hundred miles. By creating an artificial radio aurora using large HF transmitters (Peak Power of at least 2 megawatts) signals have been found to be reflected over a 1000 miles range and over frequencies extending to 450 MHz. This increases both range and usable spectrum by at least an order of magnitude.

The power transmitters or "heater" installations use high gain antennas to produce an EIRP of from 20 million to 30 million watts. This, in turn, raises the temperature of electrons in the ionosphere, creating scattering irregularities aligned with the geomagnetic field. The result is a 100-mile diameter by 10-mile thickness reflector. Of course, the heated electrons can't be seen. When the "heaters" are turned off the artificial aurora dissipates instantly.

One of the group based HF transmitters that does the heating is located near Platteville, Colorado and is operated by the Institute of Telecommunication Sciences. Another transmitter is the 1000-ft. dish at Arecibo, Puerto Rico, managed by Cornell University. A third is at Gorki in the Soviet Union about 400 km east of Moscow. The Stanford Research Institute, Menlo Park, California, is studying the feasibility of the system as a communications technique.

From Naval Telecommunications Command "Communicator" via F. W. Iacon, Patrick AFB FL

Report on Seepage From Radio Waves

By Charles Petit

Radio waves seeping from modern civilization's power lines may be weakening the belts of electrons surrounding the earth, a Stanford professor said yesterday.

While the phenomenon appears to offer no threat to life, electrical engineer Dr. Robert A. Helliwell said it could disrupt radio communication.

It is also conceivable, although he said he has no evidence for it, that alterations in the electron belts trapped in the planet's magnetic field could produce subtle changes in global weather patterns.

Helliwell based his conclusions on tests still under way with an experimental 100,000 watt "very low frequency" (VLF) transmitter set up in Antarctica under a National Science Foundation grant and with natural radiation leaking from the Canadian utility power grid.

He said he has found that if the frequency of radio waves reaching the magnetosphere — a region extending from 60 to several hundred miles above the surface — matches the frequency of electrons trapped in the magnetic field, the electrons lose energy and fall into the ionosphere.

The ionosphere, the region beneath the magnetosphere, is the upper limit of the atmosphere. Because it reflects and channels radio waves, it is important to long-distance radio communication on earth.

Helliwell and his group were able to measure subtle changes in the character of the ionosphere — such as its absorption of X-rays — that they linked to bursts of radio energy from the Canadian power grid of their own Antarctic transmitter.

They also found that natural phenomena, such as lightning strokes, caused electrons to dump out of the magnetosphere and into the ionosphere.

Exactly how large the effect due to power lines is has not been determined, he said, but future studies may include use of satellites to measure the cascades of electrons as they occur.

San Francisco Chronicle, 1 Oct 75 via Vern Maxham, San Francisco CA

PROPAGATION CONDITIONS

Jerry A. Lineback, St. Joseph, IL

There was a good solar flux peak on 6 September and another 74 days later on 19 Nov. with only a couple of minor peaks inbetween. The next peak should be about 15 December. Strong geomagnetic activity took place on 3 November (A-40) and 22 November (A-36). Significant activity should recur about 18 December with the possibility of a minor disturbance about 6 December. Minor SW Fadeouts were reported 0118 on 6 Nov., 1410 on 14 Nov., 0540 on 16 Nov., and 1916 on 18 Nov. Watch for good openings to Indonesia and like areas during the declining phase of major or minor disturbances.

We are a few pages shorter this month due to other features. Thanks to all and:

Seasons Greetings
from the
LINEBACKS
my
many
wishes
enjoy

Listener's

NEW ADDRESS

GLENN HAUSER
WILL, UNIV OF IL
228 GREGORY HALL
URBANA IL 61801

DECEMBER 1975

Notebook



IT'S UP TO YOU more than ever to help maintain LN at the standard we have established. As the new address above implies, your editor no longer has unlimited time to originate data, or check out questionable info, but will do his best to keep compiling what you submit: **PROPER CREDIT** Other clubs and broadcasters desiring to use material from LN may do so provided due credit is given to the **original reporter** and **NASWA**, BBC Monitoring Service material is copyright, used by permission, not authorized for further dissemination. Tnx.

ANGOLA Since independence, R. Popular de Angola continues on 9535 at 0500-0700, MPLA-dominated programming. (Richard E. Wood, Garden City NY) On 10/13, following an aerial bombing attack on Ealsora Oficial's xmr site, 7245 appeared but no trace of 9535, suggesting a possible exchange of damaged xmr parts or aerials. Most were back by 10/24 but on 10/27 neither the announced 11 MHz channel, 11825, nor the old 11875 were heard. The Zaïre news agency, AZAF quotes FNLA that from 11/9 its 'Free Angola' pgn would no longer be broadcast from Kinshasa, but from the Angolan town of **Carmona** (BECMS)

ARGENTINA RTM's official sked, Sept-April: A-Arabico; F-French; K-Kabyle 15370 06-24 A ME
6080 18-24 A Eur 7185 06-24 A Alg 9610 18-24 F WAF 11835 06-09 A ME 17745 09-18 A ME
6145 06-09 A WNAF 7245 06-09 F AFSA 9685 06-18 A Eur 18-24 17790 09-18 A EAF
18-24 18-24 9705 09-18 A WNAF 11910 06-24 F WAF 17825 09-18 F EAF
6160 06-09 K Eur 9510 09-18 F WAF 11810 06-09 A EAF 15160 06-09 A EAF 21565 09-18 A EAF
12-15 K (Sun) → 9610 06-09 F WAF 18-24 18-24 6160 18-22 K Eur
(via Andy Robins, Kalamazoo MI) **However** besides the off-freqs noted last month: 9695 noted once in A, very poor, prob. spur; 11798 noted twice, prob. drift 11810; 11850 once in A; 11815 once in A, prob. drift 11810; 11855 often in A; 11895 once in A // 11855 (David Kernick, Prescott, Gt Britain) 7295 now A, ex-K, 0600-0900 (Kernick & Bob Padula, Victoria)

ARGENTINA R. El Mundo, 6120 relays R. Japan Spanish nx 0910-0930 (Daisuke Kawaguchi, JADY, via R. Australia DXers Calling 10/26 via gh)

AUSTRALIA Carnarvon testing is hoped to start by end of first week in Dec. Can operate on 2 freqs per band simultaneously exc. 6, 21 MHz; Brown Boveri-250; Gates-100 kw; Bearing 347° elevable ± 22° (Club Forum, 11/22 and 10/25 via gh) See "Don't you believe..." (gh)

BOLIVIA Tony Jones' #860 stn is LV del Ejército Nacional, s.k.a. R. Batallón Topater, in Oruro, noted at 0215 (Roberto Oscar Rojas, Morón, B.A., Argentina, via SCDX 10/14)

COLOMBIA Programs may not contain offensive language against persons, entities or professional organizations or the use of words having double meanings. Language aimed at undermining the respect and dignity of civilian, military and ecclesiastical authorities, both national and foreign, will not be tolerated (BECMS 10/9) R. Continental is the key station of the Todelar net; LV del Río Grande, Medellín; Ondas del Meta, Villavicencio; R. Guatapurá (sic); R. Colosal, Neiva; LV del Tolima, Ibagué; LV del Huila, Neiva; Em. Fuentes, Cartagena; LV del Café, Pereira (BECMS 10/16) WRTVH lamentably lacks detailed net info now (gh)

CONGO Brazzaville noted all night, 2300-0300 on 15190 (Richard E. Wood, Garden City LINY)

CHILE BECMS 9/75 shows a strict Spanish-Russian-French-English rotation from LV de Chile, at 1110-1510, 2310-0430 on 15150 11810 6190; no more Italian, Arabic, True? (gh)

ECUADOR R. 2 Amazonas, non-commercial, sked in Quechua 1045-1115, 2300-2330; in Jivaro 1115-1215, 2200-2300; Spanish *2000-2200; Sun. 1200-1300 (Rogelio Stubbe, HCJB 10/31 via gh)

EGYPT R. Cairo's "Sudan Corner" is now at 0500-0700, ex 0400-0600; 9475 (BECMS 10/9)

EL SALVADOR The Ecuadorian paper **El Universo** reports that on 11/2 three stns in San Salvador and one in San Miguel, Ondas Orientales-2310 were attacked a nd taken over for about 5 minutes by the Ejército Revolucionario del Pueblo (ERP) (Adam Gaffin, Brooklyn NY)

ETHIOPIA RTLF D75: 1515-1555 15320 Mad / 0300-0325 6015 Eth 1415-1540 15190 EAF
0300-0410 9590 Mad 1600-1710 6015 Eth 0330-0425 7165 EAF 1545-1610 15190 Irun
0415-0525 6015 Eth 1715-1825 9705 EAF 0430-0555 15250 WAR 1615-1640 11890 Iran
0530-0610 11800 WAF 1830-1910 7145 SAF 0600-0640 15250 ZaF 1715-2030 11830 WAF
1345-1500 11885 Nind 1950-2000 15365 WAF / 1330-1410 15245 SInd (NHK DX 10/25 via gh)

FRANCE Provisional RFI D75 decametric wave sked: 15155 08-17 17720 09-17 17865 09-12
5955 17-21 7135 06-08 9695 18-21 11735 17-21 15200 14-17 17740 15 17890 06-08
22-23 7285 17-20 9700 04-06 11745 08-17 15210 15-17 17755 15 21580 10-16
5990 05-08 9505 17-20 9740 18-21 11835 07-09 15300 07-18 17800 06-08 21620 08-15
6010 18-19 9525 06-08 11705 17-21 11845 08-17 15315 08-17 14-16 21675 09 15
6045 05-08 9585 18-20 11710 06-08 11890 16-20 15360 17-18 17810 09 15
6080 07-15 9605 06-07 11730 05-07 11905 15-18 15425 17-18 17850 08-12 21730 09
6145 18-19 9630 17-20 10-17 11960 04-06 17715 09 17860 12-17 15
6175 07-21 9675 05-07 11735 06-10 15135 07-09 * 1 hr xmsn (via Charles Wooten, Italy)

HAITI 4VSH sked w/corrections marked in, received 10/24; 6120 was deleted. 3345, 160/340° hi-angle dipole; 10-11 Sp, 11-14 Fr & Cr, 20-23½ Sp, 23½-01 Fr & Cr, 350w. 9770, 310/130° hi-angle dipole, 2½ kW, 10-11 Sp, 11-14 Eng, 20-23½ Sp. 11835, 2.5 kW, 280° at 10-11. 20-23½ Sp; 340° at 11-14 Eng. (via Mike Sackheim, Evanston IL) Hard to interpret, wrong? (gh)

HONDURAS Ambassador to the UN Ordóñez of Honduras says that R. Swan is owned by his brother and is definitely in San Pedro Sula, not on the island. (Richard E. Wood, NY)

IRAQ 6292 soon reverted to 6155; R. Baghdad's main Arabic HS opens 0258, ex-0228 (BBC 10/16)

KASHMIR Azad Kashmir Radio sked (cf Nov LN) was given on 7060, not 6070 (Mohammed Ali's QSL to Gerry Wood, RSA DX 10/22) Both sources gave their freq tmlcs; which is right??? (gh) I visited R. Kashmir; met K.R. Gupta, stn engr and v/s, who seemed amazed anyone would want to visit the stn. Studios are in an old two-story mansion, guarded by Indian troops, in downtown Srinagar, and connected by landline to mountain-top xmr site (also visited and similarly guarded) 8 km S of the capital on road to Jammu. Sked is 01-02, 11½-17½ on 3277; 02¼-04 on 4860; 04¼-11 on 6110 w/s/offe variable up to 5 add'l mins. (Gregg Galkin, Kashmir)

KAZAKH SSR R. Moscow, Alma Ata, operates on 15210 at 1100-1630 to SAs, in Asiatic langs. exc. Eng. 1600. Hrd regularly 1200-1400, and once in late Oct. at 1600, but usually fades out much earlier. **KIRGHIZ SSR** R. Moscow, Frunze, 9710, 2000 Sp., 2100 Port., 2130 Rus. Also runs 1130-1500 to SAs in Asiatic langs. Frunze 9720 operates 1130-1530 to SAs, but only S. Asia languages noted so far. (Roger Legge, McLean VA)

KUWAIT RK have reclaimed 9650 (// 9715) forcing Tunis to move (qv) (David Kernick, G. B.)

LEBANON Beirut to Nma now extended to 0130-0400 on 9545; 0130-0200 normally in French, but on one night of crisis noted in Arabic instead; 0200-0230 regularly Arab. (Richard E. Wood)

LIBERIA ELWA NF is 11935, Arabic 0730-0745* (John Mainland, NZ, via R. Australia DX 11/9)

LIBYA Since 10/20, a daily broadcast in Maltese, "Voice of Friendship and Solidarity" has been heard at 0500-0700 on 6185 (BBCMS 10/23) I thought they said 6165 on WRC 10/22 (gh)

NEPAL Kathmandu has a new morning service on 5005 at 2045-2200 period in Indian lang, exc. Eng. 2130; power seems raised (Craig Tyson, Perth and Bob Padula, Melbourne, ADXN 10/2)

NIGERIA All radio and TV stns have been nationalized (Uganda BC via Brandon Lovett, Coldwater OH) The Federal Commissioner for Information explained this was necessary to prevent proliferation of the networks at the expense of the taxpayer and pointed out that the action should not be construed as a move by the Government to stifle public opinion. The six organisations affected would still retain their independence and boards of management, but the National Broadcasting Authority would lay down broad operating principle. (BBCMS 11/13)

NORWAY NRK HS operates 0500-2305 weekdays; 0500-2400 Sats; 0600-2305 Suns., presumably including Tromsø-7240, 10 kW. Language collectors should note that there is news in Samisk daily exc. Sun. at 0900-0905. ("Program Bladet" via BBCMS 10/75)

PAKISTAN Full PBC sked to hand - Karachi HS 0045-0415 7095 3890; 0600(Sun 0430)-1145 9645 & 7135; 1200-1345 5035 7135; 1400-1645, 1700-1810 3890 4785. Islamabad HS 0045-0415 3395, 0045-0340 6230, 0215-0415 5110; 0830-1100 7010; 0830-0945 6070; 1200-1645 3395; 1300-1645 3330; 1500-1645 5950; 1200-1340 7010; 1700-1810 3395 5950. Also, 7010 9545 used 0600-0603, 0700-0703, 0800-0806, and 9545 relays news at 0900 and 1000. Karachi Link Svcs: 2345-0045 3890; 0300-0430 7265; 0600-0815 9460; 1215-1517 7265; 1830-2000, 2015-2115 3890. Islamabad Link Svcs 0430-0445 9545. Peshawar 0045-0445 3330; 0600-1030 6130; 1100-1400 4950; 1415-1810 3200. Quetta 0045-0430(Sun 0345) 3870; 0600(Sun 0400)-1030, 1045-1335 3980; 1350-1810 3870; Rawalpindi 0045-0300, 0400-0445(Sun 0600) 4060; 0600-1100 5065; 1200-1400 4060; 1415-1900 3259 (sic). Balti/Shenna svcs from Rawalpindi 0300-0400 4935 4060; 0930-1130 4750, 1045-1245 5950. (Mike Barricloudh, Letchworth, England)

PORTUGAL R. Renaissance was bombed by the government on 11/7 (Susan Peterson, CBS TV news 11/8 via gh; sure looked destroyed!) The AF Chief of Staff justified the action as the only possible measure to maintain the Revolutionary Council's authority. (BBCMS 11/13) A new SSB feeder carrying EN Program I from Lisboa for the Atlantic Islands is on 13875 at 0630-1750, replacing 11875. 6185 feeder at 1800-2400 continues. (BBCMS 11/6)

SAHARA R. Sahara have been hopping about the 25mb lately, from 11805 to 11905 to 11950, back to 11805 one day only, then back to 11950 where it seems to have settled—all that in the space of a week—and no jamming detected, either. (David Kernick, Norseydale, 11/7) From 0750 Sp., into Ar. 0900, consistently past 1100 (Bob Padula, Surrey Hills, Victoria)

SAUDI ARABIA BSKSA-Jiddah operates on 9670 Fridays 0300-2300; other days 0300-0835, 1000-2300, all Arabic, and relays Riyad news except 1300-1310 local news. (BBCMS 10/75)

SEYCHELLES FEBA 'current' sked; 0130-0330 9605 11785; 1230-1530 11865 15325; 1530-1645 15325 11810; 1700-1900 11740 (Victor Goonetilleke, Sri Lanka, via R. Australia DX 11/2) This checks with the 9175 ab-only sked except 0045(Sun 0030)-0130 on 49m (6040 only 11st); 31a opens 0115; also on nt 0630 (Sun/Sat 0600)-0830 in English on 1925m. (via L. Talbot)

SPAIN RNE Spanish to the Americas new sked; 2300-0300 on 11945 11775 9630 9520 9360 6120 6085 5965; 0300-0500 11775 9630 9360, 6120 6085 (BBCMS 10/23)

TUNISIA Kuwait has forced R. Tunis to move from 9650 to 9610, 11/9, 1300, later same day on 9560 (Kernick) Noted on new 7275 via long path 0630-0800+, solid sigs, Ar., // 11970. First observed 11/10; appears to be new high powered unit recently on 9650. (Padula, Vic.)

TURKEY Türkiye Komünist Partisenin Sesli heard 7/27 0815 with Turkish sb, SIO 454 on 6200 (Herman Wijnants, Tremelo, Benelux DX 9/75)

USSR Without really trying, I've run across unscheduled programs from Leningrad, at 1303 on 9470 11/15; and at 1835 on 9685, per IDs; xtrs not likely there. (gh) in Russian.

ZAIRE VOZ suspended 11795 9770 7115 4880 while installing new xtrs at Ndjili (BBCMS 10/30)

The Seatuation CHINA Various Chi-lang black propaganda stns have recently reactivated. Heard almost daily on 7165 at 1004, 1015, 1030, and 7520 at 1100, 1115, 1130, times variable. "Internationale" at * and *. Ide of "Proletarian Battle Division" and "Voice of Liberation Army" are presumed by now. "Red Army Bc Stn" hrd irr. on 7185 at 1430v, 1445v (Isao Ugusa, Kobe, Japan) New Chinese outlet noted on 4970 to 1604*: Exceptional Asian condx occurred in Europe 11/2 (Mike Barraclough, Letchworth, England) in NIM too: (gh) On 9/20 the PLA Fukien Front Station divided into two networks: I in Standard Chinese; II in Amoy and Std. Chinese. Net-I operates 1000-0530, 5240 2240-0530 3640/3535 1150-2240 7850 0030-0530 6900 2315-0530 5265 2240-0530 5330 1000-0020 3000 1000-2315 6765 0000-0530 5265 1000-1157 5240 1000-1157 4045 1000-0530 2485 1000-2400 Net-II operates 0230-0745 Amoy, 0745-0900 Std. Chinese, 0900-1902 Amoy; 1159-1902 2430 0230-0930 8196 7280 5770 0230-1127 5170 0920-1902 4140 3490 3200 (BEGMS) 0230-1000 7960 7025 6400 6000 0230-1902 4840 4380 1000-1902 3900 3300 2600 10/30)

INDONESIA Yet another unID to add to my list: 7185 0900-1400. Believe Mezruke; but no positive ID as yet (Mike Willis, Hampton, Victoria) A new outlet has just appeared on 11730 early evenings here. // RRI-Jayapura 6070, probably new outlet there. Hrd in 0900-1000 time. Haven't noted the 15300 outlet for some time... (Bob Padula, Surrey Hills, Vic.) Tent. RRI-Jember on 7871 1310-1400* 9/25 (Craig Tyson, ADXN) Harmonic 2 x 3935? (Robert Hanner, ed.)

LAOS Lao-speaking stn on 6976v around 1300-1430, ID like "Sathani Withayu Kachal Sieng heng Phalasa Anachal Lao". No anthem at s/off (Isao Ugusa, Kobe, Japan) Probably Luang Prabang, 6980v6990, nom. 7000, per BEGMS (gh) Despite BEGMS (Aug LN-3) some foreign lang. is heard on R. Pathet Lao Net-I on 6210v: Viet 1030, Cambodian 1045; no French (Ugusa)

PHILIPPINES R. Veritas has new 11833, 1230-1300*Indo; beware VOMR-11830 (Mike Willis, Vic.) We got the 50 KW Gates-patterned (home made) SW xtr. The modulator tubes, 2 P-5919 are weak and we do not have a replacement yet so presently our modulation averages around 70%. Our 100 KW Siemens xtr is being rehabilitated; it may be operational by end of Sept. We acquired the SEARV Log Periodic antenna too. 50 KW power rating, beam width 60°, gain 10-12 db., operational by Oct. 75. (Jesus S. Torres, Tech. Dir., R. Veritas to Ghas. Taylor) **PFMs:** DZF9 on 7225.200 10/19; 7225.202 10/21. DZF5 tent. 10/20 on 9714.949. VOP 10/19 on 9278.164; numerous attempts to get this back on freq have failed. DZHB-11855.016 10/19, corrected from 11855.270 7/9. DZF8-15439.928 10/21 (Charles A. Taylor, Indianapolis IN)

VIETNAM NORTH R. Hanoi's announced sked as from 11/1 in Vietnamese to Vietnam, with contradictory observations the previous week between -/-; Net-I 2115-2400 10060 /10059/, 7374 /7375/, 6450 /6447/, 4930 /4932/, 3999 -/-; same at 1400-1715; 0000-1400 7080 replaces 3999. /times observed 2115-0715, 0800-1700/. Net-II 2245-0100, 1115-1600 on 10010 7470 6426 4995 /7105 6083 instead of all the others/ (BEGMS 10/30, 11/6) R. Hanoi since 10/5 has had lang. lessons as follows: Net-I: 2115 Ch, 2130 Eng, 2145 Rus; 0630 Eng, 0645 Rus, 0700 Ch. Net-II, not Sats, 2245 Ch, 2300 Eng, 2315 Rus; Sun: 1115 Rus, 1130 Eng, 1145 Ch; 1300 Ch, 1315 Rus, 1330 Eng. (BEGMS 10/9) Each is 15min; freqs are 2115-2200 4930v 6455v; 1115-1200, 1300-1345 4995 6425 7470 10010; and possibly 7102 (Ugusa) Hanoi Pgm-II, 6368, 7102, once w/ hour-long lang lessons is off the air. (Mike Willis, Victoria) **Libertation Radio** (an unofficial stn) has finally closed all transmissions. Ceased between Oct 15-18, when "new" Lib Radio from Ho Chi Minh City (as announced) came on. (Ugusa) BEGMS confirms this (gh)

VIETNAM SOUTH Lib. Saigon Radio has changed its name to Liberation Radio (Day la Sai phat-thanh Giai-phong) as from 10/18 from before 0800 to 1600* and *2200 past 0100, hrd on 6165, 7245, 9620 (Ugusa) 7245 reactivated, hrd 1000 onwards, unID Vietnamese pgm (Willis, Vic.)

TIMOR An anti-Fretelin radio has been heard in Port. Timor broadcasting from inside the colony, in a Timor dialect using the name meaning "Sunrise". The Jakarta report says the stn broadcasts 3h every eve. Pgm encourage people to intensify their struggle against the brutality and terror of the Fretelin communist band in Port. Timor. Xmas especially directed to Laga, Same, Lospalos and other areas resisting Fretelin control. (BEGMS 10/16) Freq???

Clandestine Cranny EUROPE Pirates Now is your best chance to hear a 6-MHz pirate in NAm. London sunrise 12/15 is 0756, per SPEEDX table. On 6210, R. Revelation was heard 10/19 at 0800-0900 by John Campbell over there. However, on a std. time sked now in force, this may be an hour later. (gh) A new one is on 6206.8, Kammur R. or Tier R., in Germany, testing w/100 watts at 1210-1238. On 6225 R. London International is back after one year, 0830-0930 and 1130+; this freq also tested by 6206.8 stn. (Campbell via NU) The German was heard on 6225 8/31 at 1247-1303* w/ "DX-Special" (Pinn Krone, Denmark, ISWCI 10/75) On 6200 Fairbanks Music Station, 8/24 1012-1028 English, CW (Krone) ABC-Europe International, 250w, Sun. 0930-1300 pop ax on 6250 (PA-1477/RB in Budapest DX) **Corcia, Portugal** see Future Plans. R. España Independiente announced on 10/24 that it would broadcast continuously 0600-2400 during the emergency (gh) Also at 0500 sometimes on 12140 (Willis) On 10/28 at 1300-1425 the operational freqs of REI carried the external services of R. Bucharest instead of their own programme. (BEGMS) That clinches it! (gh)

MIDEAST "The Voice of Lebanon" operated 9/24-9/28 on 6580, 0400-0700, 0900-1200, 1500-1900, including English news 0640, 1830, also in Arabic, French. The Phalangist leader ordered its closing. "Voice of Arab Lebanon", anti-Phalangist used 1460 9/26, 0600-0700f, 1400-1500, 1800-2000; went off 9/29 after the above station quit. (BEGMS 10/2) Also silenced as of 9/24 was "Voice of Palestine, V. of the Palestine Revolution" on 1513, nom 1520. But on 11/9 they were back on 1513, with regular broadcasts 1700-1900, improved quality. Israeli HS says it's in Lebanon, and the announcer was recognized as having done it from Cairo before. (BEGMS 11/13) **Pevk-e-Iran** dropped Kurdish, Azerbaijani on Fridays for Persian (BEGMS)

AFRICA R. Zambia has dropped Zimbabwe Hour at 1600. MPLA resumed on Brazzaville. (BEGMS)

USA R. Freedom California USA is heard irregularly, poorly 2030-0100 on 15789 (Siegbert Staettmüller, Mönchheim-Strötsbach, exact address unknown, via SCDX 11/11) Uh, huh... (gh)

Broadcasts in English

VENEZUELA R. Nacional, Caracas at 2200 on 14383 apx., announcing 15400, checked but not there; fine pgn of LA mx (Bart Beal, Walla Walla WA 11/10) Most strange (gh)

UZBEK SSR R. Tashkent announced that from 10/23 they would use 6025 9540 9600 11925 at 1200-1230 (Klothar J. Mueller, Frankfurt/Main, W. Germany, SCDX 10/28) Also 1400-1430 (gh)

USSR R. Moscow NAS since 10/24 is 2300-2430 on 5940 7105 7115 7150 7205 7355. Also 7440 from Central Asia, presume Kenga. 0100-0500 on 5940 7115 7205 7355; 0100-0300 on 7105; 0100-0200, 0400-0500 on 7150; 0130-0400 on 6070 (this would be Sofia relay, gh). The 7115 tx, list Ivanofrankovsk, appears to be same as one on 7100 in Sept/Oct and QSLed as Sverdlovsk, the propagation characteristics indicated Ukraine site. 7150, list Lvov for Sept/Oct is listed as Sverdlovsk in Nov IPRB sked, but reception obs. indicate no change of site. 7205 Armavir replaces 7250, list Tula but I believe same tx, with Armavir correct site. 7105 is Orahna, 7355 Moskva. (Roger Legge, McLean VA) R. Moscow from FE sites; (freqs in (-) are from the same transmitter)

7110	0530-0730	Nikolayevsk	(11690)	9780	0300-0730	Nikolayevsk na Amure	
7150	0600-0730	Vladivostok	(9610)	11690	0100-0400	Petropavlovsk	(17720 9300)
7175	0400-0730	Petropavlovsk	(11860)	11860	0130-0330	Petropavlovsk	(15180 7175)
7260	0200-0730	Petropavlovsk	(15455)	12050	2200-0230	Petropavlovsk	(9580)
7300	0430-0730	Petropavlovsk	(9780)	15140	2300-0200	Vladivostok	(9610)
9540	0300-0730	Blagoveshchensk		15180	2200-0100	Petropavlovsk	(11860)
9580	0300-0730	Petropavlovsk	(12050)	15455	2200-0130	Petropavlovsk	(7260)
9610	0230-0530	Vladivostok	(15140 7150)	17720	2200-0030	Petropavlovsk	(9780)
9635	2200-0730	?					

This sked includes Ukrainian, Armenian (Bill Davis, CA)
Radio Kiev announced sked on 10/26 (assume still Sun/Tue/Fri only)

0030-0100 15455 15180 15140 12050 9780 7260 7150 6020 You can see how many of these fit
 0300-0330 11860 9780 9580 7400 7260 7245 6020 5980 into R. Moscow skeds above. (gh)

Radio Yulius observed at 2230-2300 Sat/Sun on 5915 5940 7310 7355 7440; at 0030-0100 Sun/Mon on 5940 7355 (Roger Legge, McLean VA)

R. Moscow Australian Svc now on 11690 11820 15150 9780 at 0800-1000 (Mike Willis, Victoria) R. Australia 11/9 DX pgn said 15130, or so I wrote it down. (gh)

R. Station Peace & Progress xmas retimed as of 10/23; 1430-1500 Af ex-1300-1330. 1130-1200 S/SEAs ex-0800-0830; 1230-1300 S/SEAs ex-0900-0930. (BCMS 11/13) Last on 11245 (gh)

USA Two more states possible on SWBC /except for official NASWA purposes/: WCEM-2480, Cambridge MD, 2 x 1240, F-G around 1130, fairly regular; and WRBW-2960, Augusta GA, 2 x 1480, James Brown's station w/soul mx, quite often around 1130 (Bruce Boomer, Nutter Port WV) "R. Iowa International" (hl) is still with us, around 1715 kHz now. I have a KXEL QSL on their "SW outlet". I don't think it could be entered in under scoreboard. (Bob Underdown, Siloam Springs AR) No, the CIG is satisfied with VOA, WJNB, WYFR and KGEI xmtrs! (gh) Had been wondering where the powerful open carrier (OG) comes from around 0025 on 9500. Now I know. 11/9 as usual to 0029, a split second of BBC audio before Greenville BEC relay came up on 9510...so 9500 is a warmup for 9510! Else, warming up on 9510 would QRM Sackville BEC relay. This opens lot of possibilities for getting VOA off desirable frequencies before programming begins--warm up on one, program on another! (gh)

UPPER VOLTA RTVV has English scheduled Sundays at 1300-1330 on 7230 (W. Martijn, BDXG 9/75)

UGANDA UBC External Service; 1430-1530 E/GAF on 6030; 1615-1730 SAF 9515; 1800-1830 Tue/Thu Sat/Sun WAF on 15325; 2030-2100 Sun/Mon/Wed/Fri NAF 9730 (Johnan Olema, Akio, Kenya, and Erik Kjøe, Glostrup, Denmark, via SCDX 11/4)

TURKS & CAICOS VSI Radio now has morning xmas on 4788, noted 10/8 1130 (Marlin Field, MI, via NU) This is of great interest to DXers in the Pacific area! (gh)

THAILAND Tor Tor Tor on 6095 has English at 2300-0700 per newspaper (Bittner, SCDX 10/21)

SRI LANKA The daily SLBC test to Yugoslavia at 0900-1000 on 17775, 15120 has not been heard since 10/20 (BCMS 10/30) Possibly connected to new third world press agency HQ Yugo (SNS)

SOUTH AFRICA R. RSA seems to have dropped 31m at 2230 and may be running two xmtrs in // on one of the remaining freqs., e.g. 11970, judging from strength (gh)

PAKISTAN PBC slow-speed nx sked; 0230 17830 21590; 0430 11885 15325 17830; 1100 15110 17665; 1530 9690 11885 (Mike Barracough, Letchworth, England) 7690 is a new freq at 1530 (BEC WRC 11/12 via gh) Don't you believe it!

NORWAY NRK D75 (Sun/Mon GMT)

0800-0830	005° 11850	1600-1630	330 11895	2200-2230	nd 6130	0400-0430	242 6180
	235 11895		095 15945		045 9550		290 9550
	185 17795		290 15175		275 9645		330 9645
1200-1230	nd 6015	1800-1830	110 9610	0000-0030	290 6180	0600-0630	330 9645
	045 11860		150 11860		290 9550		110 11860
	105 21655		330 11895		242 9645		150 11870
1400-1430	225 9590	2000-2030	nd 6130	0200-0230	290 6180		Beams angle given;
	055 11860		150 9645		290 9550		to NAm underlined.
	275 17800		185 11935		242 9645		(gh)

NIGERIA Voice of Nigeria sked for Oct to Dec 1975; (via Larry Talbot, Menomonee Falls WI) 0530-0735 15185 Eur/Wed; 7255 WAF nd; 11900 Eaf/ME always sked here, but really on 7275. 1530-1700 15185 C/SAF; 15120 Eaf/ME; 7275 WAF nd (gh) 15185 has moved to 15120 at 0555-1800-1930 15120 Eur/Wed; 11770 C/SAF; 7275 WAF nd 0730 (BBC WRC 11/9)

NEW ZEALAND RNZ D75 to Pac; 1600-1845 9755; 1600-2110 11780; 2130-0445 15110; 0500-0745 on 11780 9540. to Aust; 1900-2110 11780; 2130-0445 15280; 0800-1045 6105 9520; to Antarctica; 2215-2245 on 11705 (Tony King, RNZ, via Mac Leonhardt) Ant-Sats only? Incl Pac. langs (gh)

- MOROCCO** Since 11/6 Moroccan HS carried frequent news covering events during the "Green March" into Spanish Sahara, at 1100, 1330 on 6100 11735; *1800 on 9615 6190 6170; also in French, Arabic, Spanish (BECMS 11/13 and WRC 11/12 via gh)
- MALTA** "Malta Calling" now using 6055 for its 2045-2100 Sat pgm; P-F w/QRN de Prague and others (Bruce Boomer, Nutter Fort WV) No anat of this change noted over AWR-Sines and their British rep thought txs were still on 9755 when contacted 11/7. Address for rpts on Eng txs now 123 Regent St, London W1: Lisbon PO Box is closed (Mike Barracough, Letchworth UK)
- LIBERIA** ELWA's HS on 11940 Mon-Fri 0630-0700; Sat 0630-0730; Sun 0645-0800, 1335-1615; W. 1915-1945, 2015-2100. (DW DX 11/8 via gh)
- JAPAN** 15300 is the 15 MHz channel remaining to NAM at 2345 (cf Nov LN) gh
- ISRAEL** IBA revised 11/20 D75 sked: 0500-0515 7395 5950 5900 NAM/WBU; 7412½ to WNA; 17685 to SEAs/Au; also on 9009 7125 5915. 1200-1230 17815 15100 11655 to NAM/WBU; 11640 to SEAs/Au; also 17685 12025 5915. 2000-2055 9815 7412½ 5900 to NAM/WBU; 9009 to SAF; also 11645 9495 7395; check Thursdays around 2040-2045 for latest changes. (IBA via gh) IBA recently changed its ID to "This is Israel, the Voice of Zionism, broadcasting from Jerusalem" at 2000 (BECMS 11/20) Maybe so, but not on 11/26 check (gh)
- GREECE** Voice of Greece has expanded its international services, including broadcasts to Nam. The ten English news bulletins are scheduled as follows: 1515-1530 NAM 9520 2115-0015-0030 ENAM 9520 0715-0730 Bu 5960 1015-1030 Jap 11720 1815-1830 SAF 11720 2130 0215-0230 WNAM 9520 0915-0930 Au 21460 1215-1230 NAM 9520 1920-1930 Eur 5960 Au 7215 (BECMS 11/75) Some also noted by Bruce Boomer and Mike Barracough.
- GERMANY EAST** RFI D75: 1315 Caf 17755 1800 Eaf 15145 15170 0100, 0230 ENAM 9730 0445 EAF-11705 WAF-9500 1400 SEAs 17880 1930 Eur 6080 6115 0330 WNA 5955 6080 9730 0645 SEAs 17700 17740 21540 7185 7300 9730 (via David Snyder, Mac Leon-1200 SEAs 15115 17880 1530 SEAs 11975 2000 WAF 9510 15250 hardt, Larry Talbot) Believe all are 4min long. (gh) 21540 1800 WAF 15255 2215 Eur 7260
- FRANCE** RFI 1700-1800 can be extracted from p. 1; also heard on 15210 (Wooten, gh)
- ENGLAND** Contradicting last month's info from the advance-printed London Calling is this D75 BEC freq sked to NAM: 5975 2115-0430; 7325 2200-0330; 15070 1100-1330; see Canada (gh)
- ECUADOR** HOJB D75 changes; to NAM 0100-0500 6095 ex-5970 (opened at 0300 during Nov); 0500-0700 6095; 1215-1630 11740 ex-11745; 1230-1630 15115; to SAM 1230-1630 15430 ex-15435, ex-15160; SPac, Eur, no changes (HOJB 10/28 DXPL, gh update)
- CANADA** Although listed as active by the 75 WRTH, CJGX, Sydney hasn't been on the air since 1973 when the SW facilities burned down. And according to a letter from CJCB GM N. L. Nathanson, there are no plans to resume SWEC because all of the high-powered competition makes it economically unfeasible. (Adam Gaffin, Brooklyn NY) Sad (gh) RCI Dir. Alan Brown appeared on As It Happens 11/5, 2nd day of SW relay to US via RCI. He said this would add 2 million listeners per week, per the Gallup Poll. Another will be taken in Feb, published in March. AIH assured listeners the pgm would remain Canada-oriented. (Kim Andrew Elliott, Minneapolis MN) AIH seemed to be totally unaware that it was already on SW via CBC NS! (gh) At last minute, BEC decided to try 9580 via Sackville to USA at 1655-1830; suffers FE USSR QRN, and audio quality is absolutely atrocious, but thanks anyway... (gh) CBC APS has re-activated out of band 250-kW feeders at 2159-2230 on 9445, 5925. (RCI combined sked via gh)
- BANGLADESH** RB's 1230-1300 pgm is heard on 15560; this channel is constantly on the move. (BECMS 10/9) On 11/2 it moved from nom. 15530 to 11890 (BECMS 11/6)
- AUSTRIA** ORF D75: 0830-0900 6155 Eur, 15105 EAs/SEAs/AuAs; 15410 ME; 17850 SEAs/AuAs. 1230-1300 6155, 9770 Eur, 11970 SWBU; 17765 SEAs/AuAs. 1830-1900 6155 Eur; 9690 ME; 15335 Eaf; 17770 SAF. 0130-0200, 0330-0400 NAM 6155 9770; 0430-0500 WNA 6015, SEAs/AuAs 17840 (via Henry DaRant, MD)
- AUSTRALIA** Darwin site isn't completely dead after all! On 7260 9/1 0300-0500, hrd testing with mx, local ID, windy mks, antenna rotational fading (John Haynes, Mullunbuy NT, ADXN 10/75) Even weirder is the relay of "7ZR" Tasmania via Shepparton, hrd 9/7 0715 with local ID, on 15270 (Adrian Peterson, Sri Lanka, ADXN 10/75) R. Australia D75 changes: 1800-2200 Pk 11725 ex-11840; 0100-0730 Au 17870 ex-0130; 0130-0400 EAs/PNG 17715, ex-0100; 0815-0915 UK 9570 plus 0700-0815 genl svce. (R. Australia 10/26 via gh)
- ANGOLA** Pgm previews confirmed that Luanda had discontinued its 1145 and 1500 Englishes (BECMS 10/30) On 11/3 pgm preview indicated resumption of 1145 pgm, but nevertheless, the "FAPLA" pgm was broadcast at that time as previously scheduled. (BECMS 11/6)
- ALGERIA** I've noted a pgm called "Brush up Your English" regularly on weekdays at 1030 and 1420 from RTA (David Kernick, Prescott, G.B.) In Arabic service? (gh)
- *****
- LAST MINUTE ITEMS** (Received too late to appear in their proper place) Lead section:
- ANGOLA** Since the 11/11 MPLA-proclaimed P.R. of Angola, ex-Emissara Official IDs as Em. Nacional (da República Popular) de Angola, plays MPLA anthem. (BECMS 11/20)
- NEGROIA** Clarifying the nationalization, this applies only to TV (BECMS 11/20)
- TUNISIA** R. Tunisie reported on 11/16 that Pres. Bourguiba inaugurated a new 100-kW xtr at the Sidi Mansur stn; R. Tunisie said this would increase coverage in Europe, esp. France. It is believed this xtr is the one observed since August on 9650, 9610, 7275, 7225 (BECMS)
- USSR** A R. Moscow contry said the USSR now broadcasts in 137 different languages, domestic and foreign. Polar news to the western sector of the Arctic, and Antarctica at 1530-1600 Mon and Thu is heard on 9490 (BECMS 11/20)
- ENGLISH:** SYRIA BSSAR Damascus 0615-0625 on 7105, sometimes Arabic instead; to Israel. D. 0700-0730 on 7105; 2030-2200 on 9555 (BECMS 11/20)

Program News

"I'm glad to see NASWA paying attention to the program content. It's about time someone did." (Brandon Lovett, Coldwater OH)

ALBANIA Look hard enough and you can find an ounce of good in just about anything, including the programs of Radio Tirana. The second half hour of the Albanian language broadcast to NAM beginning at 0030 usually includes quite a bit of Albanian music. The songs of the northern ethnic group, the Gega, are similar to the typical Balkan fare to be found on Radio Bucharest and others. But music of the Tosks, the southern ethnic group, is really interesting. Tosk music is raspy chanting often a cappella, and is exotically different and enjoyable after getting used to it. R. Tirana tries to present the music of both ethnic groups, but I think it tends a little to favor the Tosks, perhaps because this group controls the Tirana government. Albania is Europe's only predominantly Moslem country (although the present constitution dictates atheism), and the Islamic-Turkish influence can be sensed in the music presented by R. Tirana. (Kim Andrew Elliott, Minneapolis MN) Larry Magne agrees (gh)

CHINA The "ounce of good" theory holds for Radio Peking. Songs and revolutionary operas have a certain charm if one ignores the lyrics (e.g. "Our great capital where Chairman Mao lives, the heart of the Motherland, the symbol of the unity, the pride of the people, the shining star in our hearts, Peking leads us forward to a future bright.") The announcers dutifully read the words before each tune, but fortunately we as non-Chinese speakers can enjoy the music aesthetically and appreciate the talents of the performers without having to put up with the message. There are some beautiful voices in the People's Republic. (Kim Andrew Elliott) R. Peking is again carrying readings from Chairman Mao in different languages, not carried consistently for several years since the ending of the Cultural Revolution. (Richard E. Wood, Garden City NY)

GREAT BRITAIN Try catching "Anguish by Radio" via the BBC Thur. 0615. It is terrifically funny. It is an offshoot on "English by Radio". Sarcasm and humour abound. (Charles A. Wooten, Sardinia) Also previous Sun. 1945, Mon. 1330, Tue. 2315. Reminds me of "Ingles Curioso e Divertido" in the VOA Portuguese Service. (gh) Music from Scotland will be replaced by Music from Wales starting in January. I'm sure Welsh music is very nice, but not at the expense of one of my favorite programs: (of Nov LN) (Elliott) All components of the UKOGBANI (wonder why that acronym hasn't caught on?) must take their turns, except England, which is more equal than the others. (gh)

HOLLAND (a.k.a. NETHERLANDS) Dody and Jerry Cowan on RN's His and Hers announced on 11/11 program that the studio was like a Turkish bath because the air conditioning was malfunctioning. Hence, Dody was wearing her bikini and Jerry his 'jasszy' bathing suit while doing the program. And who says SWB is boring? (Elliott) Serge, would this be anything to get excited about? (gh) Best bet for hearing Happy Station's "H" show is 1400-1520 on 15415. This program is broadcast live at 0930 but that's a bit early over here. (Brandon Lovett) They have been known to put intercontinental phone calls on the air live at 0930-1050; Christmas might be a good time to do this again. Try Sun. on 7240 7210 6045 5955. (gh)

MOROCCO During the "Green March" RTM Rabat (Tangier xatr) on usual 15360 but with crisis service in English, French, Arabic and Hassania (W. Saharan variety of Arabic); observed around 1400-1700. Reports from the march and numerous patriotic songs with themes such as "Maghrib Sahara Maghribiyya" ("Western Sahara is Moroccan.") (Richard E. Wood)

NEW ZEALAND Each week listeners' mail, mainly DX reports, is acknowledged on the RNZ air in the "Mailbox Programme" presently hosted by Tony King, a member of the NZDX League... Fri. 0715, 0940; Sat. 2315. Mail is acknowledged on the air within three weeks of receipt, and where possible airmail advice of the call is included with QSLs sent out. New frequency information is also aired on this programme. (King) All should be one hour earlier now (gh)

PORTUGAL R. Portugal is very fair and balanced in its presentations of the country's problems. I detect no party bias, now. (Richard E. Wood, 10/17)

TURKEY Voice of Turkey program changes for last quarter of 1975 (cf Sept LN-6); Mon 2215/0015 Tue, Last Week in Ankara; Wed 0030 Sing of (formerly Sign Off); 2215/0015 Thu, Turkey--The Roadstead of Artists; Sun 2215, Beat of the Drum; Mon 0015 Turkish Music. Sun 2305 Pop Music. (David Snyder, NY; Gladys Keller, Rhinadale NY)

UGANDA The new Ugandan External Service is a disappointment. I had been looking forward to the new transmitter so I could hear about Idi Amin's escapades undistorted and direct. Amin is undoubtedly one of the great comics (but unfortunately cruel) of our time and has won honors such as being named the most incompetent leader in the world by polls of writers and diplomats. However, the new R. Uganda does not have the flash of its leader. The broadcast is rather dull, with a usually one-sided news report like any other third world country would offer. Idi, I expected more from you! (Bruce Boomer, WV)

USSR Don't forget the News about the Soviet Union featured on "News, Commentary and Music" from Moscow. I enjoy hearing about the weather in Moscow and my electronics instructor gives me the strangest looks when I tell him the weather in Moscow was "partly cloudy and cool" yesterday. I also enjoy the science programs from R. Moscow. (Bob Underdown, Siloam Springs AR) For a study of "Some Effects of Radio Moscow's North American Broadcasts", by Don D. Smith, see *Public Opinion Quarterly*, 34 (1970) p. 539-551. Among them: many people react surprisingly positively as RM turns out to be less obnoxious than expected (via Magne)

VENEZUELA A program I catch occasionally is "Lo Que Esta Noche Recuerda" on Ecos del Torbes 0200-0400 Mon-Fri (you mean Tue-Sat GMT? gh) They play old Venezuelan standards and are known to acknowledge letters on the program, including DX reports. Also, they've played taped reception reports on the air (as does RCI's French DX pgm. gh). Has anyone ever heard them on listed 9640 or 5990? (Brandon Lovett, Coldwater OH)

VATICAN Look for special Xmas eve mass 2200-2300+, relayed by RNE/Spain (gh)

DX Programs CALENDAR of Non-Weekly DX Programs in English (see this/previous issues for exact time and frequencies (GMT dates):

December: 8/9 Belgium, Kiev, 13/14 Switzerland, DW, 14 Tashkent, 22/23 Belgium, 27/25 Switzerland, January: 7/10 New Zealand, 10/11 Switzerland, DW, 11 Tashkent, 12/13 Kiev, Belgium, 24/25 Switzerland, 25/27 Belgium, February: 4/7 New Zealand, 8 Tashkent, 9/10 Belgium, Kiev, (gh)

UZBEK SSR R. Tashkent has a program for radio amateurs on the 2nd Sunday of the month at 1215 (Thomas Drescher, W. Germany, via TWR DX Special 10/25 via gh)

TURKEY VOT's "For the DXers" e.g. 10/27 had one SW item on Portugal-9670; gave freqs/power of Turk MW stns (for the nth time), described VOT QSLs (ditto) and read reports. Thus the program's greatest asset remains its potential. (gh)

SWITZERLAND "Swiss Shortwave Merry-go-Round" has expanded to the end of each transmission, replacing "In His Name". Schweizer Kurzwellendienst has begun a German 10-minute DX pgm, monthly on the 2nd Sunday (and following GMT Monday), since November. (R. Australia, 11/8)

SRI LANKA "Radio Monitors International" is the SLEBC DX program on Sundays, 0415-0430 on 9720, 15425. (Gregg Calkin's Asian DX Report, R Nederland 10/23 via gh) Adrian Peterson has left Sri Lanka; is he still doing the program, or is Victor Goonetilleke? (gh)

SPAIN Besides 0023 and 0223, RNE's Spanish DX program is on at 0423, all Sums. (gh)

SOUTH AFRICA Apologies to Gerry Wood and Radio RSA for the erroneous info last month; it seems the Wed. and Sat. DX Corners are both in all three transmissions, 1600, 2100, 2230. I interpreted the sked according to North American logic. One Wed. it ran as early as 2302-2311. It had already been on the air in the other language versions, too. (gh)

NETHERLANDS Gregg Calkin is moving from Asia to North America, so the 4th-Thursdays "Asian DX Report" on DX Juice Box will be done by Victor Goonetilleke as from 12/25 (gh)

MEXICO R. Mexico regularly broadcasts a DX pgm at 0300 with musical identifications of various stations. (Helge Winkelmeier, Limburg, W. Germany, SCDX 10/7) More info! (gh)

MALTA Without any warning, RM moved to 6055 at 2045, so that should be the place to hear AWR's Sat DX pgm at 2019-2030 (via Bruce Boomer, WV) Much worse than 9755; why change? (gh)

LIBERIA Not exactly a DX program, but VOA's "Voices of Africa" program Sats. in the 1900-1930 block has been interviewing African radio broadcasters (e.g. Liberia, Malawi); also via VOA sites in the USA (gh)

KOREA SOUTH R. Korea broadcasts DX Corner starting 9/13 (T. Nomura, Shiga, JSWC 10/75 via Mac Leonhardt) That was a Saturday. More info needed! (gh)

GRAT BRITAIN Hans Welens witnessed a Tuesday 1130 (GMT/BST) recording session of World Radio Club and provides this account: It was about 1128 when a very confused Peter Barnesby came running down the stairs. Confused because the scripts were not yet ready. We went up stairs to the studio, where Reg Kennedy and a female technician were already waiting. Ron Ham and his wife as well as Henry Hatch joined us there and Ann-Marie came rushing in with the scripts. First Reg Kennedy recorded the DX-tips and then came back to us, leaving Ron and his wife, Peter, Henry behind the glass fighting for (and with) the only two microphones. Then, finally the recording proceeded with the propagation predictions and a description of the equipment used by Ron Ham, etc. All mostly "ad libitum". In the end there was 28 minutes recorded for a 15 minute programme; a lot of cutting had to be done. All these operations went on in a rather amateuristic way and a jovial sphere. Then I remembered the time I assisted the recording of DX Corner Belgium, where everything went very smoothly and in a professional manner. I almost couldn't believe I was here at the great, world-famous BBC. A wonderful time we had there watching the four of them behind the window laughing when things went all wrong and had to be done over again. I don't think the actual programme resembled the script at all. When I got home some 10 days later, I found a letter of the BBC; it said they were sorry but that it would be impossible to receive me. So if you plan to visit the BBC, don't bother to write on forhand, go there....(BDXC 10/75)

ECUADOR SPEEDX-CRAM Editor John Trautshold is voicing a weekly DX report, mainly of easy catches, in the Sat. DX Party Lines on HCJB. (gh) All those in favor of excluding "Tips for Real Living" from the DXPL respond by saying "I". The same could go for Ecuadorian flute music. There are so few good DX programs around that I hate to see time on these programs wasted for non-DX material. HCJB thumps the bible 99% of airtime anyway. (Scott Newman, Lincolnwood IL) DXPL's prime purpose is to Save Souls: DX is secondary. As for nose flute music, I regard it as a redeeming feature (gh)

BELGIUM N/SAM broadcasts from RTB/BRT and 3/6. (DSWGI via R. Australia 11/9 via gh) They offer free transcripts of their DX show (Joseph Smith Jr, Johnson City NY) ORU is thinking of starting a DX Club next year, according to annts on the Mailbag pgm. (Adam Gaffin, Brooklyn NY) Fine, reception is much better thru the mail than the ether, hi. Try for "Magazine DX-ORU" for the multitude of French-speaking DXers in Africa, Tue/Thu 1900 11805, 9725 (gh)

AUSTRALIA "We are sorry but there is no chance of it (sic) reaching NAM with a DX programme in the foreseeable future." (QSL to Jon Cohen, Willingboro NJ) "Austrian SW Panorama" 10/19; "Around the World in 80 Days" theme song; topics: ITU MW/LW conference; history of ORF; fq changes; will not QSL every report from those who send many; offering ORF stickers. (Charles Wootton, Sardinia) If you're not in Sardinia, try for the German "K4 Panorama" Sats. 1330, 17765 9770 6165; 1905 on 15945 11855 9715 6155. (gh)

AUSTRALIA DXers Calling and Club Forum continue to be aired via ABC Domestic SW service at 2100 GMT on Sat. and Fri. (GMT dates) on 1880 6150--one hour earlier due to our move to Summer time recently (Bob Padula, Surrey Hills, Victoria) Finland on 15110 at 1200;

LAST-MINUTE BBC WRC 11/26; Togo-11958 Fr. 1630; Kaduna-9576 Eng. 2100 (Noel Green) 1400?

Miscellaneous Radial

DON'T YOU BELIEVE... ...that there have already been 13 Popes Plus, as "Radio Pio XIII" appeared in SGDX 10/21 (and in the 1975 WRTVH). That a Kevin M. Scott in Canada heard R. San Ysidro, per the same broadcast. ...that there's a place in Pakistan called Rapalwindi as the 11/18 SGDX announcer does. ...that Radio Manus is on 3915 as Arthur Cushen was quoted as reporting in the 11/19 World Radio Club. ...that La Cruz del Sur is on 4885, as Dir. Agusto Clavijo told a visiting Roger Stubbe, who also doubted this. ...that the Indonesian city was ever pronounced "Jogjakarta" whether spelt with a Y or a J, despite R. Australia's 11/16 DX pgs, which also assured us Israel was on 17865. ...that GBS on 560, 3290, 5950 is in Ghana, as that 11/9 program pronounced Guyana. ...that Carnarvon-15415 is 250 rather than 100kw, as BEC MS reported in the Nov. LN. ...that Cuba's on 11780, Brasilia's on 15200 and HGJB's on 15130 as Luis Diaz Alonso allegedly reported in Belgium's 10/27 Spanish DX show. ...that Ascension is part of Africa and that BEC-9580 at 2100 is Ascension, as Trautschold suggested on HGJB 11/22. ...that RFE broadcasts in Russian, as given in a 10/75 DSWCI sked; R to them is Russianian. ...that I heard Algeria on 21655 as in the mid-month HL; it's 21531. ...the time chart in the 1976 Communications Handbook--lots of summer times are missing. ...the time map in the newest National Geographic World Map, especially Surinam and Guyana. ...the time map on RAI's schedule, which is largely imaginary. ...that all RNZ programmes during DST will be aired one hour later than previously, as Tony King's release alleged. ...that Oman is in Muscat, per Gerry Wood, RSA 11/15. ...that Sackville engineers are incapable of playing a 30-second cart on cue at 2329:30, 2359:30 and 0002:30 on 6085 (gh) ... That 10 x 250kw xatrs will make relays unnecessary for RCI. RCI powers that be were disillusioned by being kicked out of DW's Malta relay for political reasons. But no number of superpower xatrs at Sackville or Vancouver will outperform one or two tropical relays--not as long as there are auroral disturbances and sunspot lulls and long winter nights. RCI engineer George Jackson himself admitted at ANARC 75 that the decision to rely on domestic transmitters was based on political and economic factors instead of propagational reasoning. (Kim Andrew Elliott, MN) ...that I am the owner of R. Neyba (1580 Dom. Rep.) as mentioned on the 10/10 DX Juke Box Scandinavian DX Report. It's owned by my cousin Rodolfo Lama Jaar. (Victor C. Jaar, Québec Pq) ...that Gambia will be off SW by 76. This would leave them with no radio communications--and there is not so much as a hint of it in a QSL letter and sked received this week. (Pitt McNeil, Washington DC, 10/31) But there is in ADXN 10/75, from "Africa" magazine, 7/75: Marconi have won a contract worth more than 100,000 pounds for 2 xatrs, one at Basse, 200 miles up river. (Peter Bunn) ...that Radio RSA moved from 9525 to escape WYFR as had been speculated. A UN contact in the RSA delegation says it was to get away from R. Moscow MAS 9530. (Richard E. Wood, NY) ...that IRCs may be redeemed in Leja. R. Luz y Vida says they can't. (SWNS) ...that VOA uses its receiver site near Bethany. They are probably going to mothball it. "Bethany" is a misnomer; the site is actually closer to Mason OH. (Brandon Lovett, Coldwater OH) As it was once announced. (gh) I retract my claim of 'definite' proof of R. Swan de Honduras emitting from Swan Island. ...I guess it was a matter of interpretation. (Rob Keeney, Lawrence KS) Tax, Rob, the mistake is understandable, and the retraction exemplary. (gh) ...the NY Times 11/9 story on the Canadian postal strike attributed to 'a visitor'. Actually it was taken from RCI's Weekend Magazine. (Adam Gaffin, Brooklyn NY)

FALLING FORWARD & SPRINGING BACKWARD (?) Time changes noticed by the BEC MS: Albania 9/30 to 5/1/76 GMT +1. Bahamas 10/26 -5. Cuba 9/28 0500 -5. Chile 10/12 -3. Greece midnight 10/25 +2. Italy 9/27 2200 +1. Paraguay 10/1 to 4/1/76 -3 (unofficial source, probably Tony Jones), but BEC MS never pays attribution to individual DXers) Sahara 10/5 +0. Taiwan 9/30 0000 +6. Turkey 11/2 +2. Sinklung is on +6; (not news, always has been. gh)

JOB OPENINGS On 10/29 Elassora Official (Angula) appealed for the immediate services of announcers in Kokongo, Kikoko, Umbulu and Mumula. Those interested were asked to apply by the next day. (BEJMS) Shucks, missed my chance! (gh) Wanted: "A qualified broadcasting engineer who can maintain studio equipment and fix broadcast transmitters." A Holiday in the Middle East with airfares paid awaits the successful applicant to the number one station in Israel and Cyprus, The Voice of Peace; Keith Ashton, Station Manager, Box 4399, Tel Aviv. (NZ DX Times 10/75)

ESPIAÑÓMEROS-CUBA 9925. RHC/Numbers. As Hauser noted, R. Havana Cuba voice hrd weakly on strong carrier previously spouting numbers in Spanish (Ed Shaw, NU 10/18) Bob McCoy and I hrd RHC s/off & SS numbers start immediately. Date was 10/18 but GMT and freq not noted. (Rob Keeney, Kearney NE) Ionospheric cross modulation is essentially independent in its manifestations from the effects of greater or lesser frequency separation. I can't say whether it manifests itself on SW. I do believe it is especially troublesome on MW. (Taylor)

POSTALIA A special delivery air letter from Colombia to the US costs 6 pesos, or a little more than 20¢. Compare this to our 81¢ (and soon to be \$1+) (Adam Gaffin, Brooklyn NY) I've explored the national philatelic agency route you suggest. I agree this is a better route than the DX Stamp Service if a guy wants five or ten bucks of Peruvians. But I really doubt that approach is worth it for one or two sets of stamps from a given country. We pay for the convenience of being able to buy just a set or two, with no effort expended to locate the philatelic agency (in many cases there is none in the US, i.e. Indonesia) and wait out delivery. (Don Jensen, Kanocha WI) And of not having to find out the latest return rate (gh)

SOUNDER activity will be on the increase for awhile to gather data in preparation for construction of the Air Force OTHERS (over the horizon backscatter) radar which will operate in the HF bands. The radar will use multiple fixed frequencies at 50-100 kW power in a bi-static configuration. (David C. Mackes, Baltimore MD) Cf Sept LN-7 (gh)

YOUR LN EDITOR can be heard mornings on WILL-580, working in some SW relays. Tune in if you can! Best wishes to all NASWA members for DX-filled holidays and a great 1976!

IN MY OPINION Russell Scotka, Shadyside OH: "It really burns me up. There are absolutely no privately owned non-religious SW stations in the entire U.S. Nearly every single country has some sort of domestic SW service. Why can't we? Is the FCC so terrifying that no one can stand up and look them in the face and say "Hey, how about lettin' us use SW?" People might argue that there is no shortwave audience in the U.S. That's a bunch of bull. U.S. SW stations would have an international audience and would cover almost the entire NW hemisphere. Why not write to your congressman and have him earn his pay, by telling the FCC that the U.S. people do have their Freedom of Speech. Why doesn't the publicity manager or whatever you call him start promoting the idea of SW broadcasting. Put ads in the paper. Get the SWLs in this country stirred up. We're too passive, why don't we let people know what we are all about. People have the idea that all we do is sit by a radio and collect QSLs--that we are synonymous with hams. Why don't we call 1976 Promote Shortwave Year; sell the idea of SW. Create local chapters, bring the DX or SWL populace together!!! Maybe we could get petitions to the FCC. Bills could be passed. The U.S., a land of opportunity might finally provide a haven for SW broadcasters and better yet, listeners. Just give SW a chance!" A few years ago, I tried to interest a number of clear channel AM outlets to take up 'domestic daytime SW broadcasting' to give them daytime coverage equivalent to their night reach--but no takers. Meanwhile, the tropical bands go to waste in the daytime, except for CHU and WWV. (gh)

Bruce Boomer, Nutter Fort WV: "I especially like the way you allow reporters to speak out against religious stations since most clubs seem... to edit those nasty comments. I despise any radio stations whose main intention is to change people's religious beliefs. I put HCJB in the same class as DW as being nothing more than a frequency waster. I once visited the infamous WINB with its Gospel Barn but my writeup on it never made it to print."

Richard E. Wood, Garden City NY: "Amused by Coursey's comments on programming. I don't see what's 'bright' about Belgrade's broadcasts. Does he really listen to them? And if he knew the old Radio Prague, 1968-vintage, he wouldn't see Prague today as a 'bright spot.'"

Brandon Lovett, Coldwater OH: "I think one reason there aren't better programs on SW is the listener, giving stations the impression all we care about is the initial logging and QSLing. And I don't think the impression is unjustified. We have to let the stations know we're interested in hearing better programming and that we'll listen to them once instituted. I find many of the non-ISWEC stations much more interesting, such as Ecos del Torden, R. Luxembourg, R. Barquisimeto, etc. My 'wurat' are: 1. RUC Someone at least should wake up the announcers. I once heard "P.O. Box 7026" where they used an 'ad-lib' which was scripted. Later I heard 2 different announcers using the same script and same ad lib! 2. WINB What more can I say? 3. R. Lebanon Their inferior versions of U.S. pops make me sick! 4. R. Kuwait for same reason. I agree the BBC is overrated. They have good news, but their programming is too intellectual." Since 99% of domestic programming is geared to the lowest common denominator, I welcome BBC's 'intellectual' offerings. But have you listened to BBC's DJ shows; sport broadcasts? Intellectual they ain't. (gh)

THE DOGHOUSE RRC-15230 for throwing spurs on Switzerland-15140 and whatever-15320, dirtier than usual around 1330. Of course the U.S. might be blamed for blockading out replacement parts.... HCJB for ruining APRTS-15430 all day long. (gh) BBC 9600 on S Korea at 0500 (Guy Dunn, Paramus NJ) But BBC was there first. (gh) Uganda and Canada 15325, 1800-1900, both to Africa. I wonder if the BBC is Xing RCI for propaganda reasons? (Mike Agner, Waldwick NJ) More likely out of ignorance. (gh) Have you noticed how much inter-Arab frequency-poaching there's been lately? Saudi Arabia has moved to 5960 (Morocco); Algiers to 6080 (Saudi Arabia); Tunisia to 7225 (three other Arabs there!); Saudi to 9615 (wiping out Morocco); and Cairo African vernaculars to 11940 (disturbing Kuwait's Euro svcs). Not much Arab solidarity there! And, RFI have swooped on 1930 for Paris Calling Africa, no doubt ruining Belgium's African vernacular service in the target zone! (David Kernick, Gt. Britain) R. RSA seems to be out of the doghouse. I haven't noted them on any of their 31m frequencies to Nam lately. (Brandon Lovett) Yes, they've cut back to 3 channels, maybe doubling transmitters on one of them. (gh) How about those SWCers wasting precious frequencies with continuous interval signals or open carriers? After DW to Nam at 0130-0150, IS follows for 10 mins. Why can't they use that wasted time to add some less dreary content to their English pgm? (playing the IS is cheap! gh) Other offenders are Portugal, Spain, and to some extent R. Nederland. With sunspot lull and long winter nights, frequencies will be at a premium. Rational frequency management would dictate shorter transmissions with less 'fat'. (Kim Andrew Elliott)

PUBLICATIONS 10 Kielen DX Sanasto (10-Language DX Vocabulary) is an excellent new 100-p softbound book by Jyrki K. Talvitie and Ilkka Helastie (with the help of Richard E. Wood et al.) Showing equivalents of 476 Finnish words and phrases in Swedish, English, German, French, Spanish, Portuguese, Indonesian (Malindo), Russian and Arabic, all but the last two cross-referenced. Malindo has a number of gips; no way given to express aerogram, sensitivity, Guatemalan, tropical band, whip antenna, etc. No Russian for sign off time; no Portuguese for readings from the Koran; no Spanish for string orchestra; no French for fade out, no Arabic for Haitian--but these are minor inconveniences. Tietoteo, 1975; 30 markku.

The Voices of Palestine: A Broadcasting House Divided, by Donald R. Browne, p. 133-150 in the Spring 1975 Middle East Journal is a detailed history of the complex and uncoordinated Palestinian clandestine broadcasting scene. Browne is K.A. Elliott's prof. at Minnesota.

Communications Handbook 1976 (\$1.50 at newsstands), now in a PE-sized format, emphasizes CB, but still contains several new articles on SWEC by Richard Wood; two reprint articles by gh and two originals on utility and FM DXing by gh; extensive product directories.

List of RC stns below 5950 kHz, 8th ed., 1 Feb. 1975. Just published by ITU, CH-1211 Geneva, 69 Swiss francs ppd., including half-yearly recap. supplements. (gh) Swiss products are increasingly unable to compete with lower-priced foreign goods. (Parade via Trabee, HI)

Future Plans BRAZIL Many commercial stations will have to relinquish their SW channels to RNB as it grows--so get'em while you can. (Maarten van Delft, RN DXJB 10/30 via gh) RNB is building several xtrs near Recife in order to beam pgs to WAF. The Ministry of Communications is going to reorganize broadcasting in Brazil, mainly by permitting increase in power for big city stations and by setting up a national FM net. (Artur S. Miranda, Recife, via Adam Gaffin, NY) MinCom has authorized operation of a new stn in Goiânia, and two tropical-band stns in the Federal Terr. of Rondônia (BECMS 10/9) MinCom has called for bids on a tropical band stn in Fortaleza. (BECMS 11/6)

CABO VERDE R. Clube Mindelo, nom 4755, but on 4721 plans power up to 5kW (DSWCI via RA 11/9)

CORSICA France-Inter reports that the "Corsican Peasant Front for Liberation" in Bastia has announced its intention to set up a BC xtr in the near future. (BECMS 11/13)

ECUADOR HCJB "Project 500" (their proposed 500,000 watt SW xtr) is sked to be in operation by the end of 1977, per UPDATE newsletter, available to DXers (Ed Insinger, Summit NJ)

INTERNATIONAL WATERS Per the right-wing French paper "Valeurs Actuelles", the Portuguese politician Mario Soares intends to contact MEOB to discuss possibility of broadcasting socialist propaganda from R. Nordsee International at sea off Lisboa (Chenal, SCDX 10/14)

KENYA VOK reports that the Minister for Info and BC emphasized the importance the govt. attached to external radio broadcasts, useful in balancing the image of Kenya abroad. The govt. would not hesitate to start such services if funds were available. Meanwhile, the domestic radio services must attain a higher level. Several MPs claim that VOK xmas are of a low standard, not heard in some parts of the country. (BECMS 10/9)

SAUDI ARABIA Riyadh radio reports that the Committee of the Supreme Council for Mosques had adopted a number of resolutions, including recommendation for establishing a broadcasting service in Holy Mecca to address peoples in various languages and programs for mosques in all Arab and Islamic radios. The committee also appealed to Islamic countries to stop all Christian broadcasting activities. (BECMS 10/2; emphasis added; BECMS never emphasizes, hi)

SRI LANKA TWR now negotiating for stn to be built here. Don't know if MW or SW (TWR via Marlin Field, MI via NU 11/8)

SUDAN R. Omdurman carried a Pres. Numeiry speech saying the "world would hear the voice of our radio" when the 1500 kW stn at Sennar was completed. The Nylas stn is to be completed this year and others at Port Sudan and Juba are under construction. Services from R. Omdurman will include pgs in English, French, principal African langs. Eight new studios have been constructed and supplied with latest equipment. To be opened soon. (BECMS 11/13)

YUGOSLAVIA R. Zagreb reports on a conference of the Secretariat of the Socialist Alliance, in Belgrade 11/11 at which the concept of setting up "Radio Yugoslavia" was endorsed. This powerful radio station, to be heard the world over, will be a joint institute of the Republics and Provinces--to inform foreign countries about goings-on in Yugoslavia, and the policy of non-alignment, etc. Its formation is yet to be discussed in the Yugoslav Assembly. Reactivation of R. Yugoslavia was first proposed last year. (BECMS 11/20)

ZAIRE AZAP news agency reports that the construction of the "Voice of Zaire" village at the Mangobo Centre in Kisangani is nearing completion. The complex will have five xtrs, including one of 100 kW. (BECMS 11/20)

*****MORE MISCELÁNEA RADIAL

INTRUDER WATCH Honest, I don't spend all my time searching for intruders; I just keep running across them, as others of you must. This time, on 11/15 at 1505, "Net Control" on 5980 on AM, radiochecking stations on 5774 such as Ground(?) Bayonet 2; setting up for RTTY tests with G.B. One; both had feedback when mike open! Saturday soliders? (gh) You hit a sore spot. I admit it is annoying, having violations of frequency assignments, but it's a matter of military priorities. (Maybe a high ranking officer needs clean underwear sent in to the field). I know ignorance is no excuse, but that's part of it. And the military mind demands it sometimes. Some ops either don't look very far, for an open channel, or don't know. I do know. I became a radio op in WWII when I had about 36 hours to learn the nomenclature of a SCR-30, the phonetic alphabet and operating procedures--OJT. So why not give the boys on the bottom a break? (Burt Beal, Walla2 WA) I'm after the boys on the top. (gh)

CLUB NEWS Brooklyn DX Club is looking for new members everywhere; publishes ELB monthly (English Language Broadcasts), eschewing foreign-lang coverage. Samples 50¢; \$4.50 year to NAs; \$7.85 foreign. A project of David Snyder, 1137 E 12th St., Brooklyn NY 11230.

LANGUAGES DON'T MATCH On multi-lingual QSLs the statements in the various langs. are not always equivalent. E.g. the ROI 'no data' card seems to be happier with French reports, and the Vatican is most thankful in German. (Jon Cohen, Willingboro NJ) Most languages other than English express thanks more floridly; they don't really mean it. A simple "thank-you" seems to them too abrupt (gh)

PUBLICATION (more) Radio Power; Propaganda and International Broadcasting, by Julian Hale, has just been published by Temple U. Press, \$12.50 retail; review upcoming (Martin H. Gollas, Springfield IL who adds: There aren't many new books appearing dealing with SW)

SOLAR-TERRRESTRIAL CONDITIONS Oct/Nov Date/Flux/A Index/Field.Solar Activity VL exc. 5/15-17/19; L; 21; M.

21 76 7 U	26 73 4 Q	31 71 14 U	5 80 15 A	10 80 10 U	15 86 2 Q	20 93 8 U
22 75 5 Q	27 73 4 Q	1 72 6 Q	6 82 12 ?	11 80 14 ?	16 90 6 Q	21 89 16 A
23 75 6 Q	28 73 4 Q	2 73 25 A	7 82 8 U	12 81 9 U	17 91 1 U	22 84 36 S-0600
24 74 4 Q	29 72 4 U	3 74 40 S	8 83 5 Q	13 81 4 Q	18 96 6 Q	23 79 7 Q
25 73 3 Q	30 73 9 Q	4 77 32 A	9 80 18 A	14 85 2 Q	19 96 8 U	(gh, Lineback)

State Dept. Berates Voice of America, Its Director Says

MOBILE, Ala., Aug. 25 (AP)—The director of the Voice of America said today that the State Department exerts intolerable pressure to control parts of the organization's worldwide news broadcasts.

The director, Kenneth Giddens, said in an interview that the Voice of America was subjected constantly to such pressures as "don't say this, don't say that or don't talk about that."

Mr. Giddens is a broadcasting executive from Mobile who is on vacation there. The interview with him first appeared in the Mobile Register Press today. He said the State Department's efforts to censor information it considers embarrassing or detrimental to foreign policy have increased since the beginning of active efforts toward détente with the Soviet Union.

There were some forms of pressure as long ago as the Administration of the late President John F. Kennedy, he said.

Mr. Giddens cited some incidents involving news about Vietnam or Cambodia. He said he would like the station to have more independence, especially from the State department. "It is particularly important for the V.O.A. to have an image and reputation for telling the truth," he said.

No Comment From State Dept. Reached by The New York Times

WASHINGTON, Aug. 25—A State Department official, who declined to be identified by name, said tonight he could not comment on Mr. Giddens' reported remarks as this was the first he had heard of them.

U.S. Broadcast Firm Has Option On Million-Watt Costa Rica AMer

By BILL WILLIARD
Las Vegas, July 29

Mel Hanna, v.p. and g.m. of Nevada Broadcasting Inc. (NBA-AM), has been assigned to an info-gathering trip in Costa Rica, where NBA's parent firm, Sovereign Broadcast Inc., holds an option on a 1,000,000-watt AM station. Robert D. Hanna, exec v.p. of Sovereign, wants Hanna to examine various political and big communications of the region.

Hanna said Sovereign is mulling whether to put the station on the air or sell it outright. He said several offers have been received from religious and government entities, but his firm has waited because (1) recent change of Costa Rica presidents, (2) fugitive Robert Vesco's various communications interests in that country and (3) laws prohibiting outright total ownership by any outside factions have flashed the caution sign.

Station is the only commercial 1,000,000-watter in the world, per Hanna. Two government owned & operated stations with that power are in Sardinia and Yugoslavia. The Costa Rica property is located about seven miles from the capital city of San Jose on 200 prime acres of land. There are two 500,000-watt transmitters which can be operated simultaneously and there is a 50,000-watt backup transmitter, plus 11.35 kilo shortwave plant which could be beamed at Europe.

No FCC Worryment

Built originally for operation on 6.25 kilohertz, the huge AMer is currently testing at 5.75 on air using portion of power. Unlike the U.S., Hanna says, there is no Federal

Communications Commission, with that stations move around until clear broadcast path can be obtained, all future beaming then subject to Costa Rica communication treaties.

Station, which has no call letters at present, is owned by Communications Electronics Inc. (which built the Sardinia and Yugoslavia stations), a wholly owned subsidiary of E-S-System, whose prez is Lancelo Hayes. E-S is a spinoff of the old, troubled Lincoln-Timco-Vought (LTV) corporation and fills military orders, making it one of the world's largest in manufacture and distribution of receivers and transmitters. Communications Electronics built the station in Costa Rica for William Windsor of Tyler, Tex., for reported religious use at a cost of \$4,000,000.

John Dixon, board chairman of E-S, approached Hanna in 1974 and Sovereign purchased the option to own & operate. Hanna's decision to send Hanna to Costa Rica will... It is necessary info on what step to take with the station. Hanna Costa Rica law governing ownership and operations "is so new... are waiting for a cooling-off period (during) which time the government there can spell out what we can or cannot do. We should have a decision in the next 30 days."

It's not the only 1,000,000-watter in the world.... Would you believe Ling-Timco-Vought? and frequencies of 0.625 and 0.575 MHz?

This Is Radio Liberty...

By JON ZIOMEK

CHICAGO (CST) — For 8 years, the defector from Poland had been working for Radio Free Europe in West Germany, eventually working his way up to becoming an on-the-air commentator. Then he went back to Poland and became a prominent Polish television personality, broadcasting about the terrible life in the West. The man, it turned out, had been a spy all

along — a plant by the Polish secret service.

That sounds like a story from the Cold War days of the 1950s, but it isn't, said Sig Mickelson. It happened recently.

Mickelson is the new president of the recently merged Radio Free Europe and Radio Liberty. The United States funds these two news-dispensing organizations at a cost of \$50 million a year. Radio Liberty broadcasts exclusively to the Soviet Union. Radio Free Europe sends its signals into other East European Communist countries. Each sends out about 20 hours of programming a day, mostly news and information.

Isn't Radio Free Europe, born

He explains that Billboard being an international publication would also be familiar in South Africa, and he feels safe in presenting the music reflected on Billboard's charts.

O'Jay claims the American record companies are not taking the South African audience seriously. "For the past year, we have had to purchase all records. Recently Columbia, Atlantic and Scepter have started to service us," he says.

O'Jay is on the air nightly 8-9 with a show titled "Eddie O'Jay from New York City" and Sunday 8 a.m.-11 a.m.

Eight sponsors, local and international, have taken one hour each, with Stax Records picking up the tab for Saturday night.

Stax, in an effort to expose more product, decided to deal heavily with the foreign market, says O'Jay. And only Stax product is aired during its sponsored hour.

On the average 10 shows are taped weekly, always a month in advance in a studio built in the home of O'Jay's engineer Mark Kaiman.

SEPTEMBER 6, 1975, BILLBOARD

O'Jay Beams U.S. Sounds To S. Africa

By JEAN WILLIAMS

LOS ANGELES—Popular disk jockey Eddie O'Jay, formerly of WLIB, New York, is reported to be the first black announcer to host a show as a regular air personality on commercial radio in South Africa.

Swazi Music Radio (SMR), a 100,000-watt station with its transmitter in Swaziland, covers Johannesburg, Durban, Petermarburg, Pretoria, Cape Town and Port Elizabeth.

O'Jay indicates the foreign market may be opening to black American announcers who have a feel for diversified programming.

In programming to the South African audience, he selects music that will appeal to the general market, although SMR's audience consists primarily of English-speaking college students.

"Because it's difficult to program to the South African audience, I select only music from Billboard's top 100 soul listings, dealing basically with the top 40 records," says O'Jay.

at the height of the Cold War in 1950, something of an anachronism?

Not with Cold War-like incidents such as that of the Polish defector still going on, answered Mickelson, who is on leave from Northwestern University's Medill School of Journalism. He assumed his new position in July.

However, he conceded with a dry smile, "the service was originally conceived as one that would keep the liberationist fires burning" in the Communist countries. "But now, this is simply a straightforward, objective, factual, unemotional presentation of news to these countries."

But, in these days of détente, don't the Soviets and their allies object to our broadcasts? "Détente works better when both sides are well-informed," he answered.

Mickelson said much of the programming on Radio Free Europe and Radio Liberty would seem dry to the average media-saturated American — lengthy newscasts and round-table discussions of politics, for example. On Radio Liberty, the entire book, "The Gulag Archipelago" by Alexander Solzhenitsyn, was read recently. You'd miss it if you didn't have access to it, Mickelson said.

Evening Journal, Wilmington, Del.,

Saturday, Aug. 23, 1975

via Paul Lombardo



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NASHA-FRENDOX

IN-11

THE SUN 1975

THE VOICE OF AMERICA RELAYS

by ADRIAN PETERSON

This article was written for the Australian Radio DX Club and originally appeared in their August 1975 bulletin Australian DX News, and is reprinted with their permission. For further information on this fine DX Club send 5 IRC'S to Australian Radio DX Club, P.O. Box 227, Box Hill, Victoria 3128, AUSTRALIA. This article was written by long time DXer, Adrian Peterson, who is currently serving with the Seventh Day Adventist Church in India. The information included is based primarily on Adrian's individual research and personal visits to many of the sites mentioned.

VOA base at Brentwood

At the end of 1943, the first 50kW transmitter at Brentwood was installed and operated by CBS under contract to OWI-AFRS. Another 50kW WCEK, and a 10kW WCDA were added soon afterwards, and later again WCBN, 50kW. In the call sign reshuffle of 1951, these four transmitters were all re-allocated the general call WABC.

This station continued for almost 20 years, and was retired from VOA service in 1962, when the twin base Greenville grant was commissioned.

VOA base at Wayne N.J.

The VOA base at Wayne New Jersey was operated under CBS contract and consisted of two 50kW transmitters. These transmitters were established in 1943, and given the call signs WOOO and WOOW.

In 1951, the call sign reshuffle, these transmitters were re-allocated the general call WABC, and were known as WABC 5 and 6. WABC 1 - 4 were located at Brentwood, NY, also operated by CBS. About 10 years later, the calls were changed again, to WDSI - 1 to 4 at Brentwood, and WDSI - 5 and 6 at Wayne.

One of the early WABC transmitters was taken by ship to Algiers, and used for the OWI base in North Africa. A new TXer was installed at Wayne as a replacement.

VOA Wayne expired in 1962, when the twin base at Greenville was commissioned.

VOA Relay Base at Bethany, Ohio

VOA Bethany had its earliest beginnings back in 1925, when the CROSSLEY Broadcasting Corporation of Cincinnati, Ohio established an experimental SW service with the call WEXAL.

This transmitter rated at 50kW, ran in parallel with WLW, MW. (WLW for some years before World War II operated at 500kW, the highest powered MW station in North America).

When the US Government, after Pearl Harbor, established an overseas SW service, the fore-runner of VOA, all experimental SW stations throughout USA, including WEXAL were taken over. By this time, WEXAL had become WLWO.

In 1942 the US Government began preliminary work on the Bethany site, and by 1944 six transmitters were installed, 3 at 200kW and 3 at 75kW. These transmitters all carried the call signs in the WLW series and were known as:

WLWO - the main station; WLWI; WLWK; WLWL; WLWR
and WLWS.

Frequencies were designated by a number after the letters. All 6 transmitters were operated by Crossley and leased to the US Government for the broadcasting of VOA programs. Two additional subsidiary transmitters, of 50kW each were established at Mason relay base, Ohio, by KFAB and Crossley.

A few years later, in 1951, these 8 transmitters at the Bethany and Mason relay bases were re-designated: -

Mason Base WLWO 1 - 50kW; WLWO 2 50kW.
Bethany base WLWO 3 - 5 200kW; WLWO 6 - 8 75kW.

Soon afterwards, the Mason base was closed, and the base, on November 1, 1963 was handed over to the US Government.

At about this time, modernization of the Bethany equipment was undertaken and 6 new transmitters were installed, 3 of 250kW and 3 of 175kW. These 6 transmitters are in use today, and identify as the "Voice of America, Bethany Ohio". Bethany relay base is used primarily for carrying feeder programs to Europe and Africa, and for direct broadcasts to South America.

ADDITIONAL VOA TRANSMITTERS

- HULL, Massachusetts.** WIXAK, Hull, Massachusetts took to the air in 1937, and soon after the outbreak of World War II became WBOS. This was a 50kW Westinghouse station, programmed into the VOA network, and discontinued in the early 1950's.
- PHILADELPHIA** W3XU comenced operation from Philadelphia in 1937, and when World War II began, it was changed to WCAB. Tis 50kW TXer was released from service in the mid 1940's. It was in use for OWI and VOA programming for just a few years.
- PITTSBURG** Famous KDKA spawned a 40kW SW outlet in 1929, W8XX. This became WPIT in late 1939, and seems to have been included in the OWI network for a short while.
- SAN FRANCISCO** Associated Broadcasters established two 50kW transmitters for use with OWI - VOA program, and these were known as KNID and KWIX. Commencing in spring 1942, they expired about 10 years later. Exact transmitter location not known. Additional San Francisco outlets were KWU, KES2 and KES3, but little is known about these transmitters which were in use on SW for a brief while only.
- LOS ANGES** Stations KROJ and KROU operated from Los Angles with OWI - VOA programming, but little is known about them. Probably the miscellaneous San Francisco and VOA stations were installed at MW transmitter locations, and operated for OWI -VOA.
- ADDITIONAL TRANSMITTERS** XGOY was a 50kW NBC transmitter made available under US lend lease to China. It was assembled into a cave outside Chungking in 1944, and was listed in VOA reports as a VOA transmitter. My QSL for this historic station was for an English program and sign off heard in 1946.
- 50kW VIG in Shepparton was a Lend Lease RCA transmitter made available by OWI, and listed in early records as a VOA transmitter. Commenced service from Shepparton on May 1, 1944, and seems to be still in operation.

VOA Relay Base at Algiers

The first major use of Radio by an Allied commander occurred in the invasion of North Africa A 5kW MW transmitter was installed on the USS Texas and tuned to 601kHz. This was the frequency of Radio Rabat. On November 8, 1942, OWI and VOA personnel broadcast in English and French to citizens of Algiers, explaining the purpose of the landings. However, a salvo from the exas destroyed its own transmitter.

Soon afterwards, the shore station TPZ 2 was utilized for local and OWI programming. Three broadcast transmitters were in use from this location, two used on SW, two on MW, and all emitting 50kW. These were nicknamed by the engineers, "Hippo", because of its size; "Swindle" because of its dubious background; and "Siamese" because it was a composite

VOA Algiers continued in operation for 3 years, broadcasting as a regular VOA base to North Africa and Central and Eastern Europe. This base was phased out in 1947, when VOA Munich was developed.

VOA Relay Base at Schenactady

In the very late 1920's, General Electric established two short wave transmitters at Schenactady, NY, with the experimental calls W2XAD and W2XAF. In the re-allocation of SW callsigns at the beginning of World War II, these transmitters became known as WGEA and WGEO. An additional GE Transmitter was added in 1947, and known as WGEX.

Power output of each was as follows:- WGEA 50kW; WGEO 100kW; WGEX 25kW.

At the end of 1942, when US Government utilized all SW transmitters in USA for international programming, the Schenactady base was also taken over for this purpose. In 1951, in a reshuffling of callsigns, all three transmitters continued in use as WGEO,

After some 32 years on-air service (20 years with the VOA) the Schenactady VOA base expired when VOA Greenville took over in 1962.

VOA Base at Bound Brook

Bound Brook, NJ, was the location for many transmitters carrying callsigns now unknown except by the older DXer. This location first went into service in the pre-World War II days under NBC, with an experimental 50kW transmitter W3XAL. At the commencement of World War II, this callsign was regularized to WRCA.

In 1943, 3 transmitters of 50kW were installed, and in 1944, three more, also of 50kW were installed. These new senders were all given callsigns, as follows:—

WNRA; WNRE; WNRI; WNRX; WNBI; WRCA.

Apparently the original W3XAL was retired at the installation of these 6 new TXers.

In 1950, at the time of the SW callsign reshuffle, all 6 outlets were re-allocated the call WRCA. However, by 1960, these were known by a new call WBOU (reminiscent of the old WBOS in Boston).

From 1942 onwards, the Bound Brook base carried OWI-AFRS transmissions, and continued in service under the VOA, until it also was retired in the mid'60's at about the time when Bethany was modernized.

VOA Base at Delano

Work on the Delano base commenced in 1942 under OWI supervision, and first came on the air in 1944 under contract to CBS. Two 50kW transmitters and one 200kW transmitter were installed, and these were allocated the callsigns KCBA, KCBF and KCBR.

In 1951, the calls were consolidated to KCBR, and soon afterwards, two additional 100kW transmitters were installed. The federal government assumed control from CBS in 1963. Soon afterwards, a modernization plan was implemented, and the transmitter installation was enlarged to:— 3 at 250kW; one at 200kW; 2 at 100kW and 2 at 50kW. These 8 transmitters are still functioning at the present time.

Delano was established as an OWI-AFRS facility, and has continued under VOA for over 30 years. This base is used for feeder relays to Asia, and for direct programming to South America. It identifies simply as "Voice of America, Delano, California".

VOA Base at Dixon

VOA Dixon is another SW relay base, commenced under private ownership, taken over by the Government, and now in service as a VOA relay station.

In 1942, under OWI supervision, work at Dixon commenced, and the first 50kW transmitter, KNBA came onto the air on December 22, 1944. A few days later, on January 10, 1945, KNBI 50kW and KNBX 100kW signed on for the first time. This transmitter base was operated under NBC contract, until it was taken over by VOA in 1963.

Additional transmitters were added in the 1950's and were designated with a KRCA callsign, and later, this was changed to KNBH.

Modernization of the Dixon relay base was undertaken in 1965, and by 1970, the full complement of 8 broadcast transmitters were on the air. These transmitters are rated, 3 at 250kW, one at 200kW, 2 at 100kW, and 2 at 50kW, and are in use at the present time.

VOA Dixon is used mainly for feeder services and direct programs to Asia. Although many callsigns have been used previously, this base now identifies simply as, "Voice of America, Dixon, California".

VOA Base at Treasure Island

Another previous VOA base, which is still on the air, but under different ownership, was the General Electric short wave station, originally located at Treasure Island, California.

Back in 1939, in conjunction with the New York World's Fair, KGEI made its debut. KGEI stands for General Electric Industries. This station operated a single 50kW transmitter, and, in 1942, it was taken into service for US Government programming under the project which developed into the VOA.

On July 1, 1944 an additional transmitter of 100kW was commissioned as KGEX. In 1951, in a general re-distribution of SW call signs, both transmitters were allocated the call KGEI.

KGEI was released from VOA service when Dixon and Delano were developed, and in 1960, this establishment was purchased by the Far East Broadcasting Company.

Now located at Redwood City in the marsh area of San Francisco Bay, KGEI uses two transmitters, one of 250kW, and the other, the older 50kW. KGEI is now broadcasting 24 hours daily, and claims 3 million listeners daily in Central and South America, as well as an additional audience in its Asian target areas.

VOA Relay Base at Scituate Massachusetts

VOA Scituate Massachusetts, commenced in 1936 as WLXAL and WLXAR, two experimental 50kW transmitters owned and operated by World Wide Broadcasting Foundation. These two transmitters were utilized by the US Government in 1942, after Pearl Harbor, for the commencement of an international radio service, which grew into VOA. These transmitters were re-designated WRUL, and WRUW.

In May, 1943, two additional transmitters were installed at the Scituate relay base, and these were designated WRUS and WRUA. There was also an additional 7kW utility transmitter (later 80kW) with the call WRUX, which was used for morse traffic to the VOA base at Algiers. In 1951, all transmitters were reallocated the call WRUL, and continued in service with VOA until the end of 1962. At this time, the twin base at Greenville, North Carolina was commissioned, and Scituate was handed back to its owners World Wide Broadcasting Foundation, who used it for commercial programming.

Some time later, a fire destroyed the 4 original VOA transmitters, and 4 new transmitters, 2 at 100kW and 2 at 50kW, were installed by World Wide.

When the Mormon Church bought WRUL, they changed the call sign to WNTW, Radio New York World Wide. Then, on October 24, 1973, this transmitter base was purchased by Family Stations Inc., and re-named WYFR. It was about this time that I visited the installation, which is situated, on the side of a hill, within the sound of the pounding Atlantic Ocean.

An additional 100kW transmitter was commissioned during 1974. Today Scituate with its 5 SW transmitters is no longer a VOA relay base, but it does claim to be the largest private broadcasting service on SW in USA.

----- THE END -----

QSL



Report

•Editor: William E. Oliver

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We have 52 members reporting on 105 countries this month. Still no room for anything but QSL's but next month we are expanding to eight pages. The illustrations and "Odds & Ends" will return with the next issue. Onward....

AFGHANISTAN: R. Afghanistan, 15195, "Buddha and Map" card in 90 days, air, for EE rpt, 2 IRC's and SASE, not used. (Brooks).

ALBANIA: R. Peking Relay, 7120, partial data "On Patrol" card, pennant, EE sked and promise of mags. Received in 17 days, air. No rp. (Schulman).

ALGERIA: RTV Algeria, 9610/11715, card in 75 days for FF rpt and 1 IRC. (McCarthy).

ARGENTINA: RAE, 11710, blue card in 19 weeks, air, for 1 IRC. (Heimke).
LOL, (Argentina Naval Observatory), 15000, letter in 6 months via registered airmail for 2 IRC's. (Rockwood); large folder card w/date in 6 months, certified airmail, for SS rpt and 1 IRC. Only 2 kw's! (McNeil).

ASCENSION IS: BBC Relay, 9510, usual "Thames" card in 43 days for EE rpt and 1 IRC. (Pearson): 9580, no-data card in 21 days. No rp. (Schipelliti).

ASIATIC RSFSR: R. Moscow via Sverdlovsk, 7100, full data card in 1 month for EE rpt. No rp. (Overcamp, Talbot): R. Moscow via Khabarovsk, 15100; via Vladivostok, 15130; via Petropavlovsk-Kamchatsky, 15210, cards in 45 days. (Hagen): R. Moscow via Khabarovsk, 12050, card in 1 month. (Barto).

AUSTRALIA: R. Australia, 9770, card in 35 days, air, for 1 IRC. (Rockwood): 9580, card w/full data in 6 weeks for EE rpt and 1 IRC. (Reno); full data card in 5 months. (Peraaho); card w/all data in 8 months. No rp. (C. Smith): 15320/17795, cards in 3 months, surface. No rp. V/s Peter Homfray. (Wootten) 9515, full data card in 185 days. No rp. (Mayer).

VLW9-Perth, 9610, full data card in 36 days for 1 IRC. (Gaffin).
AUSTRIA: ORP, 9770, full data "Vorarlberg" card in 27 days. No rp. (Cohen): 9770/15410, full data card in 45 days, air. No rp. (Askin): 9770/6155, traditional Austrian scene cards sent in lieu of pennant which I had asked for but they didn't have any. Cards are signed but signature isn't legible. (Moritz).

AZAD KASHMIR: AKR, 3913.5, full data letter in 16 days, surface. No rp. V/s Mohammed Ali (not Cassius Clay). (Cosier).

BELGIUM: ORU, 9755, card, sked and written version of "Mailbag" program in 4 1/2 months, air. No rp. (C. Smith): 6080, map card w/no time in 3 months. No rp. (Cohen).

BELIZE: R. Belize, 3300, full data card in 29 days for 2 IRC's. (Wiles).

BRAZIL: R. Nacional Brasilia, 11780, Brazil map card in 21 days, air, for EE rpt. No rp. (Brooks): 15245, full data map card in 26 days, air, for 2 IRC's and rpt to Chief Engineer. (Locher).

R. Brasil Central, 4985, EE letter in 7 months for NASWA PP rpt and 2 IRC's. (Peraaho).

R. Poti (Natal), 4965, letter in 6 weeks for PP rpt. V/s Luis Rougles Fonseca, Dir. (Barto).

R. Gazeta de Alagoas, 3325, letter in 5 weeks for PP rpt. V/s Edson Oliveira. (Barto).

R. Alvorada de Londrina, 3335, letter CSL in 5 weeks. V/s Pe. Eduardo Afonso, Dir. (Barto).

CANADA: CHNX, 6080, standard card w/pre-printed sked freq 6130 kHz checked and letter from Chief Engineer Dick parks stating that they were down on 6080 kHz inadvertently because "we goofed and had trouble. We are back on the tracks now and mean to stay there." Received in 10 days for EE rpt and SASE. (Brooks); card w/no time in 6 days. No rp. V/s Mrs. Judy Caruthers. (Washburn).

CKZU, 6160, card in 2 weeks for mint stamp. (Guarducci); blue CBC card of regional broadcasting center w/all data except time in 14 days, air, for EE rpt and mint stamp. V/s F.H. Bucher. (Mayer).

RCI, 6085, no-data symbol card in 3 weeks. No rp. (Campbell).

CANARY IS: R. Nacional de Espana Relay, 11800, color antenna card w/no time in 55 days for EE rpt and 2 IRC's. (Wala).
CHAD: Radiodiffusion Nationale Tchadienne, 4904.5, full data card in 2 weeks for EE rpt and 4 IRC's. (Kantor); card w/three pictures of Africa in 4 months for 1 IRC. (Wiles); full data card w/African scenes in 18 days, air, for EE rpt, 2 IRC's and used stamps. (Moritz).
CHINA: R. Peking, 15060, "Yenan" card, sked, name tags for gifts in 18 days, air, for 1 IRC. (Rockwood): 11945, doll card and 2 ice skating cards in 21 days, air, for 2 IRC's. (Wiles).
CLANDESTINE: Radio Espana Independiente, 12140, full data "Picasso" card which was mailed from France in 2 months for EE rpt and 2 IRC's. (Wala).
COLOMBIA: La Voz de la Selva, 6170, letter in 3 months. V/s Jario Sandoval C. (Dexter).

La Voz del Llano, 6115, aerogramme-type letter w/views of Meta, sticker, and an invitation to drop by the station if I'm ever in the neighborhood. Received in 41 days for SS rpt, 2 IRC's and a postcard. V/s Fairo F. Cifuentes, Dir. (Gaffin).

R. Nacional Colombia, 9635, "Beach" card w/no time or freq in 105 days, air. V/s Alberto Upegui A. (Ewing).
 Em. Nuevo Mundo (HJKC), 4755, Bogota, card in 1 month for SS rpt and franked stamps. V/s Ing. Mario Fric L. (Barto).
COSTA RICA: TIFC, 9645, full data card and pennant in 4 weeks for 3 IRC's. (Ball).

R. Capital, 4832, full data SS letter in 3 weeks for SS rpt. No rp. V/s Lilia A. de Boettger. (Cosier).
CUBA: RHC, 11735/11760, full data card in 52 days w/sked. (Askine).
CYPRUS: BBC Relay, 7140, card in 2 weeks for 1 IRC. (Rockwood): 15420, BBC "Thames" card in 30 days. (Hagen); card, tx site not listed, in 1 1/2 months. No rp. (McNeil).
CZECHOSLOVAKIA: R. Prague, 9540, "Castle" card in 3 months, air, for EE rpt. No rp. (Wooten); full data black/white card w/view of Prague, papers, sked in 35 days, air, for 1 IRC. (DeLong): 5930, "Castle" card and mags in 1 month, air, for EE rpt. No rp. (Campbell): 7345, card in 1 month for EE rpt and 1 IRC. (McNeil); full data card in 29 days. No rp. (Cohen).
DENMARK: R. Denmark, 15165, "Radiohouse Tower" card w/full data in 3 weeks for EE rpt on Danish program. Details consisted of Idents and their EE announcement that they broadcast exclusively in Danish. No rp. (Hofmann); full data card in 7 weeks for EE rpt and 1 IRC. V/s Lulu Uttrup. (Overcamp); card w/all data in 15 days, air, for EE rpt. No rp. V/s Eileen Uberg. (Ewing).
DODECANESE IS: VOA-Rhodes, 7110, full data Capitol card in 1 week. No rp. V/s W.E. Dulin. (Overcamp).

DOMINICAN REPUBLIC: RTVD, 9505, letter w/no time in 17 days, air, for EE rpt. No rp. V/s R.A. Font Bernard. (Ewing); verie letter, postcard, station info and some one's shopping list, in 22 days for EE rpt and 2 IRC's. (Anderson): 5970/9505, letter in 3 1/2 weeks. (Barto).

R. Mil, 4940, full data yellow card in 50 days, air, for 1 IRC. (Rockwood).

R. Antillas, 4962, received 2 prepared cards. (Dexter)
ECUADOR: HCJB, 15300, card in 2 months. No rp. V/s Sam Rowley. (Wooten): 9560, two full data cards, one w/wrong date, and pennant in 31 days for two EE rpts and 40¢ in U.S. stamps. (DeLong); full data card, pennant, sked, lit in 1 month for 2 IRC's. (Horwath): 11915, full data card and certificate for entering Interval Signal Contest in 28 days for 40¢ in stamps. (Campbell): 9715, card in 1 1/2 months with ANDEX mailing, signed by Stubbe at my request. For an encore I think I will ask for the signature of the dude on the QSL who is doing the carving. (Moritz).

R. Casa de la Cultura, 4930, card in 4 weeks, air, for SS f/up and 1 IRC. V/s Nelson Villa Gomez E., Dir. (Cosier).

EGYPT: R. Cairo, 9475, full data card w/river scene and sked in 14 days, surface, for EE rpt and 2 stamps. (Schulman); full data card in 113 days for EE rpt. No rp. (Pearson).

ENGLAND: VOA-Woofferton, 7200, card in 8 days. No rp. (Rojewski): 6040, card in 1 month. (Barto).

BBC, 12095, usual no-data "Thames" card in 3 weeks. No rp. McCoy: 11750, no-data card in 35 days. No rp. (Schipellitti): 9825, note of acknowledgement with compliments of BBC for rpt on Eastern Service Broadcast in Hindi, Urdu and Persian in 1 month, air, No rp. (Fino).

ETHIOPIA: ETLF, 11830, usual blue card in 265 days, sea, for 1 IRC. (Rockwood): 7165, full data card and sked in 58 days, 2nd class air, for EE rpt. No rp. (Conover).

EUROPEAN RSFSR: R. Moscow, 7400, card and sked in 5 weeks, air. No rp. (Heimke): 9680, full data "Kremlin" card in 32 days, air, for EE rpt. No rp. (Schipellitti): 9530, full data card w/Moscow site in 40 days. No rp. (Dean): 9600, full data "Kremlin" card in 1 month. (Horwath): R. Moscow via Kenga, 11970; via Nikolayev, 9700, card in 1 month. (Barto).

Radio Station Peace and Progress, 15200, card w/no freq in 71 days. No rp. (Peraaho).

FINLAND: R. Finland, 15185, card and sked in 17 days for 1 IRC. (Heimke); full data card in 2 weeks. No rp. (Locher); card, sked and 2 issues of "Hear Finland" in 16 days, air. (Horwath).

FRANCE: RFI, 11920, card in 10 days for EE rpt. No rp. (Wootten): 15300, card w/full data in 79 days. No rp. (Slaff); full data card in 24 days on 2nd rpt. No response to 1st rpt. (Cohen): 11705, card in 2 months. (Barto): 15160, full data card in 42 days for EE rpt and 2 IRC's. (Reno); full data card in 69 days for 2 IRC's. (Locher): 15200, card w/no data, postcard and sked in 2 months. No rp. (Schulman): 15210, card in 90 days. (Lausevich).

GAMBIA: R. Gambia, 4820, full data form letter and sked in 4 months, sea, for 4 IRC's. CSL also had info on station. (Kantor); verie letter w/station info and sked in 16 weeks for EE rpt, 2 IRC's and used stamps. Nowhere in the lengthy letter or elsewhere is there any mention or hint of the station leaving shortwave. (Moritz); QSL letter and sked in 7 months, sea for 2 IRC's. (McNeil).

GERMANY (E): RBI, 9730, card, sked, brochure and stamps I requested in 4 months, air. No rp. (C. Smith); full data "Refinery" card, letter in 125 days for EE rpt and 2 IRC's. V/s Rudi Friedel, NA Dept. (Talbot).

GERMANY (W): Deutsche Welle, 7210, full data card in 82 days, air. No rp. (Slaff): 6010, full data multicolor card w/DW emblem in 31 days, air, for 1 IRC. (DeLong); full data card in 53 days, air, for EE rpt. No rp. (Conover): 9735/9605, full data card in 30 days, air. (Askine): 6185, card in 41 days, air. (Horwath): 6040, card in 41 days. No rp. (Cohen).

Sudwestfunk, 7265, full data card in 6 weeks for EE rpt and 3 IRC's. (Kantor).

VOA-Munich, 3980, card w/no date in 1 week. (Kantor).

GHANA: GBC, 9545, full data card, sked in 200 days for 2 IRC's. (Peraaho).

GUATEMALA: TGNA, 3300, "Quetzal" card, religious and tourist info in 74 days, air, for 2 IRC's. (Heimke); card w/date and freq in 16 days for EE rpt. No rp. (Mitchell); full data card and sked in 18 days, air, for EE rpt and 2 IRC's. V/s Wayne Berger. (Ewing); "Quetzal Bird" card w/no time in 23 days, air, for EE rpt and 2 IRC's. (Anderson).

R. Mam, 4825, long letter verie, inauguration pennant and postcard in 2½ months for NASWA SS rpt, 1 IRC, postcard and used U.S. stamps. (McNeil).

La Voz de Nahualla, 3360, full data card and pennant in 4 weeks for SS f/up and 1 IRC. (Cosier).

GUYANA: GBS, 3290, full data letter and decals in 2 weeks for EE rpt and mint stamps. V/s Denis Leandro, Chief Engineer. (Overcamp); full data verie letter and decals in 15 days, air, for EE rpt and 2 IRC's. (Ewing); full data letter in 18 days, air, for 2 IRC's. (Wiles).

HAITI: 4VEH, 9770, folder card and religious info in 103 days for 1 IRC. (Heimke); full data card and sked in 105 days for EE rpt. No rp. V/s Edna Beachy. (Ewing): 11835, full data card, sked, religious tract and questionnaire in 56 days, surface. (Askine).

HONDURAS: HRVC, 4820, cards received for EE rpts as follow: 462 days, 1 IRC. (McCarthy); 180 days, 1 IRC. (Lausevich); 14 months, 3 IRC's. (Wala); 16 days, no rp. (Mitchell); 31 days, 1 IRC. (Anderson); 90 days, 2 IRC's. (Ewing); 8 months, 3 IRC's. (Wiles); 12 days, 2 IRC's, used stamps. (Moritz) 9 months, 1 IRC. (McNeil); 13 months, 2 IRC's and SS rpt. (Cosier).

R. Swan, 6185, card and letter in 40 days for EE rpt and 1 IRC. Verie letter leads you to believe station is on Swan Island but doesn't say so. (M. Smith); card and letter in 1 month for SS rpt and 2 IRC's. (Moritz); letter and presscard in 4 weeks for SS rpt and 1 IRC. (Cosier).

R. Progreso, 4920, full data verie letter and Angel pennant in 3½ weeks for SS rpt and 1 IRC. V/s Jerry E. Tolle. It's been a big Honduras month for me! (Moritz).

R. Lux (Olanchito), 4890, letter in 5 weeks. V/s Abelane Antonio Herrera, Dir. (Barto).

HUNGARY: R. Budapest, 6000, card and pennant in 100 days, sea, for 1 IRC. (Heimke): 9833, full data card in 32 days for EE rpt and 2 IRC's. (Reno); card, letter, sked and postcard in 2½ months for 1 IRC. (Guarducci); full data "Danube" card in 43 days. No rp. (Peraaho); full data card in 17 days. (Askine); full data card w/SW Club info on reverse, pennant and Budapest International mag in 11 weeks, air. (Horwath): 15220, card on SS tx, lists 15 kw's for this freq, not 1 or 2 kw's as they said on their DX program!! Two months. No rp. (McNeil).

INDIA: AIR, 9525, "Painting" card in 147 days for EE rpt. No rp. (McCarthy); card, letters and sked in 53 days for 2 IRC's. (Wiles): 11870, card in 5 months for EE rpt. No rp. (Lausevich).

INDONESIA: RRI-Bandung, 4945, letter, station pamphlet, tourist info in 1 month. (Dexter).

Following received in Australia by Geoff Cosier: JAVA-Tingkat

Sumedang, 2415, Indo letter w/all data from v/s "Entu" in 3 weeks for Indo rpt. No rp. Possibly a first! Address: Jln. Pangeran Geusan Ulun, Complex Nasional Sumedang, Sumedang, Jawa Barat. JAVA-Serang, 3116, Indo verie in 3 1/2 weeks for Indo rpt. JAVA-Pamekasan, 3484, letter in 3 weeks. V/s M. Tabrani. JAVA-Kodya, Surabaya, 3165, Indo verie and data sheet (power 1/2 kw) in 4 weeks for Indo rpt. SUMATRA-RR1 Tanjung Pinang, 4945, letter w/copy of station log, tx details in 4 weeks for Indo rpt. V/s Zainal Abbas. (Not heard now due to Bandung there.) MOLUKKAS, R. Ambon, 4845, letter in 13 weeks for Indo f/up. V/s A.W. Rakimin. No rp on the above. (Cosier).

IRAN: V. of Iran, 9022, "Abadan TV" card, sked and info on Iran in 24 days air, for EE rpt and 2 IRC's. V/s N. Fraryon. (Ewing); CSL w/wrong date and sked in 20 days, air. (Askine); full data card in 49 days. No rp. (Cohen).
IRAQ: R. Baghdad, 9745, card, sked, emblem in 24 days, air, for EE rpt and SASE, not used. (Brooks); full data map card, sked, symbol and tourist book in 7 months, air, for mint stamps. (Anderson): 6095, full data card in 5 weeks, air, for EE rpt. No rp. (Cosier).

ISRAEL: IBA, 15485, "Menorah" card in 3 months, air, for EE rpt and 2 IRC's. (Wootten); full data "Western Wall" card and sked in 5 weeks, air. (Horwath) 15405/12025, full data card, sked and "Facts About Israel" folder in 32 days. (Askine): 9815, full data card in 36 days. No rp. (Talbot).

ITALY: RAI, 9575, full data card in 3 1/2 months for EE rpt. No rp. (Schulman) IBF-Torino, 10000, card, letter and tx timetable in 3 weeks. No rp. Letter from Prof. A. Ferro Milone stated the tx I heard was an extra one made for experimental purposes. Heard on Aug. 31, 1975 in Verona, N.J.. Station OTH is Instituto Elettrotecnico Nazionale, Corso Massimo d'Azeglio 42, 10125-Torino, Italia. (Edelson).

IVORY COAST: R. Abidjan, 11920, full data, handwritten verie letter apologizing for not sending CSL card since they are out of stock. Received in 84 days for EE rpt and 3 IRC's. (Conrad).

JAPAN: R. Japan (NHK), 15270, "Tachibina Dolls" card w/o time, sked, rpt forms and pamphlet in 19 days, air. No rp. (Slaff); card w/date and freq, postcard, sked and request form in 11 days. No rp. (Schulman); full data card, postcard w/NHK announcers, sked and rpt form in 20 days for EE rpt. No rp. (Conover): 15300, card w/o time, sked, pamphlet and station info in 15 days. No rp. (Schipelliti): 9585, card, sked, postcard, etc. in 13 days for 1 IRC. (Anderson): 15105, "Court Lady" card, sked, mag and lit on R. Japan in 15 days. (Horwath): 15270/15300, card w/o time in 31 days. No rp. (Cohen).

NSB-JO22, 6055, full data card in 45 days, air, for EE rpt. No rp. (Mitchell).

JORDAN: R. Jordan, 7155, card in 26 days, air, for 1 IRC. (Wiles).

KUWAIT: R. Kuwait, 11940, modern building, dhow and sun drawing in blue/orange on white CSL folder, sked in 1 month, air, for EE rpt. No rp. (McCoy) full data card and sked in 48 days, air. (Askine); full data folder card in 50 days for EE rpt and 1 IRC. (Talbot); full data folder in 36 days for 1 IRC. (Cohen): 9555, folder card in 26 days for 1 IRC. (Wiles).

LATVIA: R. Riga, 5935, card in 3 months. (Barto).

LIBERIA: VOA-Monrovia, 15445, card in 10 days. No rp. (Heimke).

ELWA, 11950, card and station info in 11 months for 2 IRC's. (Lausevich).

LITHUANIAN SSR: R. Moscow via Kaunas, 11870, "Kremlin" card in 30 days for EE rpt. No rp. (McCarthy).

MALAGASY REP: R. Nederland Relay, 15120, card in 34 days. No rp. (Heimke): 9585, "Mint Tower" card in 3 months, surface, for EE rpt. No rp. (Wootten): 11730, full data card in 29 days for EE rpt. No rp. (Locher); full data "Amsterdam" card in 12 days, air. No rp. (Anderson); full data "Happy Station Staff Photo" card in 49 days. No rp. (Talbot).

RTVM, 4985, card and sked in 9 weeks, air, for FF f/up and 2 IRC's. (Cosier).

MALAYSIA: BBC Relay, 9740, card and letter in 23 days w/follow up CSL card in 7 weeks. Card is BBC card w/BBC FAR EASTERN RELAY STATION typed on and signed by D.A.J. Will for EE rpt and 2 IRC's which were returned. (Reno).

MALI: Rdf Mali, 5995, full data FF card in 32 days, air, for EE rpt and 2 IRC's. (Peraahol).

MALTA: DW Relay, 6100, full data DW card in 84 days, air, for 3 IRC's. (Conrad).

Adventist World Radio, 9755, full data orange card in 3 weeks, air, for EE rpt. No rp. (Newman); full data card in 3 weeks for EE rpt and 1 IRC. (Overcamp).

IBRA Radio, 9755, "Malta" card w/full data and letter of thanks in 30 days, air, for EE rpt. No rp. (Ewing); black/yellow card and letter in 30 days. No rp. Rpts to and from Sweden. (Talbot); special map card in 6 weeks, air. No rp. (Cosier).

R. Malta, 9755, stencilled letter and tourist info, etc. in 3 weeks, air, No rp. (Cosier).

DW Relay, 6100, full data multicolor card in 18 days, air. No rp. (Schipelliti); full data card in 9 weeks for EE rpt. No rp. (Overcamp); multicolor, plastic verie w/full data in 2 months. No rp. (Moritz); color circle card in 3 months, air. No rp. (McNeil).

MARTINIQUE: Fort de France, 3315, card in 20 days for EE rpt and 1 IRC. (Hagen); card in 6 days, air, for 2 IRC's. (Wiles); "Beach" card w/date in 20 days, air, for EE rpt, postcard and 1 IRC. (McNeil).

MAURITANIA: R. Mauritania, 4850, full data map card in 5 weeks, surface, for FF rpt. No rp. (Newman); full data map card in 30 days, air, for FF rpt and 2 IRC's. (Anderson); card in 3 months for 1 IRC. (Wiles); map card w/o freq in 215 days, air, for FF rpt, tape, 3 IRC's sent registered mail. (Washburn).

MAURITIUS: MBC, 4853, card in 2 1/2 weeks for 1 IRC. (Cosier).

MONACO: TWR, 7105, full data card and sked in 26 days, air, for EE rpt and 2 IRC's. (Ewing).

MONGOLIA: R. Ulan Bator, 5052, card, sked and personal letter in 3 months. V/s Tuvdennyam, Head of EE Section. (Barto).

MOROCCO: VOA-Tanger, 15205, card w/o date in 8 days. No rp. (Rojewski); 7110, full data Capitol card in 1 week. V/s W.E. Dulin. (Overcamp).

NETHERLANDS: R. Nederland, 11730, card in 34 days. No rp. (Heimke); "Mint Tower" card in 41 days after resubmitting rpt for which incorrect data card had been sent. (Cohen). (Give 'em hell, Jon. ed).

NETHERLANDS ANTILLES: R. Nederland Relay, 6165, "Church" card in 4 months for EE rpt. No rp. (Wootten); two full data cards for two rpts in 11 and 13 days. No rp. (Schipelliti); full data card in 10 days. No rp. (Campbell).

NEW CALEDONIA: R. Noumea, 7170, card in 44 days for FF rpt and 1 IRC. (McCarthy); 7170/11710, orange card w/target areas and mileage to each, 10000 to USA, in 3 months for 1 IRC, mint stamps, postcard, used U.S. stamps and EE rpt. Received after 4 rpts before one was answered including tape sent in 1973 and total of 5 IRC's. (Herbold). (Perseverance Award! ed)

NIGERIA: NBC-Sogunle, 4990, green/white flag card w/"Home Service" designation added in 21 days, air, for EE rpt and mint stamps. (Brooks).
NBC-Sokoto, 6195, aerogramme verie letter w/date only from senior engineer in 40 days, air. No rp. (Wala).

VON, 7275, full data "Eko Bridge" card, sked in 17 days. No rp. (Gaffin); full data "Eko Bridge" card in 26 days for EE rpt and 1 IRC which was returned. (Talbot).

R. Kaduna, 3396, full data "Highway" card in 20 days for 1 IRC. Rpt to Lagos. (McNeil).

NORWAY: R. Norway, 17795, full data mountain and lake scene card w/call letters LLJ-9 and 120 kw in 42 days. No rp. (Cohen).

PAPUA NEW GUINEA: NBC, 4890 (P2T4), full data letter in 1 1/2 months, air, for 1 IRC. (Rockwood); form letter in 405 days for EE rpt and 1 IRC. (McCarthy); letter w/standard verie statement apologizing for delay in 378 days for EE rpt and SASE, not used. (Brooks); full data form letter in 3 months for EE rpt and 2 IRC's. (Talbot); letter in 13 weeks. (Cosier); letter in 52 days for 2 IRC's. (Wiles); 3925/4890, letter in 10 months for mint stamps after 2 f/ups. (Guarducci); 9520 (P2T9), full data letter, sked in 109 days for EE rpt and 2 IRC's. (Rojewski); full data letter in 94 days for EE rpt. No rp. (Mitchell).

R. Gulf District, Kerma, 3245, letter w/full data from Stn Manager R. Karahare in 32 days, air, for 1 IRC. (Mayer).

R. East New Britain, 3385, full data card in 2 months for U.S. stamps and 1 IRC. (McNeil); full data card in 5 weeks. (Barto).

PERU: R. Atlantida, 4791, SS verie letter, Peruvian stamps in 7 months for 2 IRC's and NASWA SS rpt. V/s Julio Burga. (Peraaho).

R. Andina (Huancayo), 4995, letter and beautiful pennant in 6 weeks for SS rpt and stamps. V/s Teodosio Munoz Inga. (Barto).

PHILIPPINES: VOA-Philippines, 15290, card w/all data. No rp. (Reno): 6110, Capitol card in 8 days. No rp. (Mitchell): 9770, card, books, letter and 13 page sked in 6 days. (Wiles).

R. Veritas, 9569, postcard w/confirmation and promise of CSL card. Received in 15 weeks. No rp. V/s Margaret Cheng. (Cosier).

POLAND: Polish Radio, 9675, full data card in 1 month, air, for 1 IRC. (Rockwood); full data card, sked, letter in 1 month. No rp. (Oliver): 11815, full data card, sked, personal letter in 60 days. No rp. (Peraaho).

PORTUGAL: Emissora Nacional Portugal, 6025, "Ship" card in 4 months, air, for EE rpt and 1 IRC. (Wootten); "Ship" card and sked in 11 days, air, No rp. (Schulam); card in 14 days, air. No rp. (Conover); full data card and PP sked in 32 days, air, for EE rpt. No rp. (Campbell).

Voice of Hope (Sines), 9670, orange photo card of people and globe in 30 days, air, for EE rpt and 1 IRC. (Brooks).

QATAR: QBS, 9570, card in 5 weeks, air, for EE rpt and 1 IRC. (Cosier).

RHODESIA: RBC, 3396, "Gazelle" card w/full data in 48 days, surface. No rp V/s E.M. McKenzie. (Schwartz); Card in 15 days for 1 IRC. (McNeil).

ROMANIA: R. Bucharest, 5990, full data card, sked, pennant and stickers in 280 days, air, for f/up rpt. No rp. (Slaff): 9690, full data black/white photo CSL in 11 weeks, surface, for EE rpt. No rp. (Newman); black/white picture card and R. Bucharest Emblem card in 84 and 55 days, air. No rp. (Wala): 15250, card, sked and pennant in 3 months. No rp. (McNeil): 5990, card, letter and sked in 73 days, air, for 1 IRC. (Wiles).
RWANDA: DW Relay (Kigali), 15410, African map card in 5 months for 1 hour GG tape. No rp. (Brunner): 7225, full data DW-Afrika card in 5 weeks for EE rpt to Cologne. No rp. V/s G. Thiele. (Overcamp); full data card in 105 days for EE rpt. No rp. (Ewing); blue/gold card for EE rpt to Kigali in 80 days from Cologne for 2 IRC's. (Talbot).

Rdf de la Republique Rwandaise, Kigali, 6055, black/white no-data "Thank you" card in 81 days for FF rpt and 1 IRC after third rpt. (Mayer).
SARAWAK: R. Malaysia Sarawak, 7145, full data card and sked in 17 days for EE rpt and 2 IRC's. (M. Smith).

SAUDI ARABIA: BSKSA, 6130, full data card, sked, letter in 1 1/2 months. V/s A.M. Bahain. Received via registered mail for 1 IRC. (McNeil).

SENEGAL: Rdf du Senegal, 4890, "Khora" (local harp) card w/full data in 3 weeks for FF rpt. No rp. (Newman).

SEYCHELLES: FEBA, 15325, full data map card, sked in 25 days, air, for 2 IRC's. (Locher); card, sked and literature in 18 days, air, for EE rpt and 3 IRC's. (Talbot): 11740, card and sked in 20 days for 3 IRC's. (Wiles).

SICILY: RAI-Caltanissetta, 6060, card in 5 months. (Barto).

SINGAPORE: R. Singapore, 6155, full data card in 24 days for EE rpt and 1 IRC. (M. Smith): 11940, full data card w/picture of housing in 19 days, air, for EE rpt. No rp. (Mitchell).

SOLOMON IS.: SIBS, 5020, full data black/white map card w/"SIBS" in large letters in 34 days, air, for 2 IRC's. (Wala); map card w/full data, 5000 watts, in 12 days for 2 IRC's. (McNeil).

SOMALI REP.: R. Mogadishu, 9585, full data letter in 45 days, air, for 2 IRC's. (Rockwood); card, sked and literature in 34 days, air, for 2 IRC's.

(Schwartz); form letter in 30 days for EE rpt, mint stamps, tape and bumper sticker. (Hagen); full data verie letter, apparently temporary until more CSL's are made, in 1 month for EE rpt, used stamps and 2 IRC's. V/s, as far as I can make out, is one Hanuuninta Dadweynaha. (Moritz) (I'm glad there's only one of them. ed). Full data CSL letter in 1 month for 1 IRC, EE rpt and stamps for v/s Afrah's collection. (McNeil). (Nothing for Hanuuninta Dadweynaha, Pitt? ed).

SOUTH AFRICA: R. RSA, 3995/11900, "Blouberg" card in 19 days. No rp. I sent article about Knott's Berry Farm, Buena Park, as requested on "Box 4559" program. (Herbold): 21535, full data card, sked, booklet, etc in 17 days. (Askine); 9525, card in 5 weeks for 1 IRC. (Reno): 11900, "Blouberg" card in 12 days. No rp. (McCarthy); full data picture card in 21 days. No rp. (Ware): 9585, full data "Silhouette" card in 6 weeks. No rp. (Schulman); full data card in 18 days. Gerry Wood CSL letter in 26 days for same rpt. (Cohen): 5980/7270/9525, full data card in 12 days. No rp. (Conover).

Springbok Radio, 4810, verie letter and pennant in 7 months.

No rp. (Guarducci).

SPAIN: RNE, 11925, SS antenna card w/full data in 4 weeks for EE rpt and 1 IRC. (Reno); full data card in 56 days for EE rpt. No rp. (Conover): 9360, card w/all data in 70 days for EE rpt. No rp. (Ewing); full data card in 44 days for 9360 kHz and 4 other freqs. (Askine).

SRI LANKA: VOA-Colombo, 15185, JFK Center card w/o date in 1 week. (Kantor)

SWAZILAND: SMR, 4980, verie letter in 87 days for EE rpt, 1 IRC. (McCarthy)
 TWR, 5950, card and sked in 3 weeks for 2 IRC's. (Cosier).

SWEDEN: R. Sweden, 11955, 50th Anniversary card w/full data, mag, pennant, sked and info sheets in 2 months for rpt on SS txs and 1 IRC. (Fino): 6035, card, 2 copies of SCD's in 2 1/2 months for 1 IRC. (McNeil).

SWITZERLAND: SBC, 6135/9725, "Church of Tegna" card in 3 months, air, for EE rpt. No rp. (Wootten): 6135, full data card in 20 days, air, for EE rpt and 1 IRC. (Campbell).

Red Cross Broadcasting Svc, 7210, full data Red Cross and mike card, sked in 25 days for 1 IRC. (Gaffin); full data card in 35 days, air, for EE rpt and 2 IRC's. (Ewing).

SYRIA: R. Damascus, 9655, full data card in 3 1/2 months, air, for 1 IRC.

(Rockwood); full data CSL card, postcard, cloth pennant via registered mail in 7 months. V/s Khader Omran, Dir Gen. (Barto).

TAIWAN: V. of Free China, 17720, full data "Jade" card, sked and tourist info in 60 days, air. No rp. (Peraaho).

TANZANIA: R. Tanzania, 4825, yellow/pink card w/date, freq and power, 50 kw, in 1 1/2 months for EE rpt and 1 IRC. (McNeil).

TOGO: R. Togo, 5047, multicolored card w/map of Togo in 5 weeks for FF rpt, 2 IRC's and used stamps. (Moritz).

TURKEY: V. of Turkey, 11880, "Bosphorus Bridge" card in 40 days for EE rpt and 1 IRC. (Brooks): 9515, full data card of boy fighting seven-headed

dragon, sked booklet in 32 days, air, for EE rpt. (Conover); full data card in 5 weeks for 2 IRC's. (Kantor); card, sked, small Turkish flag in 51 days air. No rp. (Peraaho); card and sked in 20 days, air, for 2 IRC's. (Wiles); full data "Dragon" cartoon card in 40 days. No rp. (Cohen).
TURKS AND CAICOS: VSI8, 4788, letter w/no data except station info in 8 months for EE rpt and mint stamps. V/s William G. Grant. (Wootten).
UKRAINIANS SSR: R. Moscow via Lvov, 7150, "Kremlin" card in 22 days for RM rpt form. (McNeill).
UNITED STATES: KGEI, 5980, full data card, sked and religious tracts in 7 weeks. (Horwath).

U.N. Radio, 9520, full data card and sked in 2 months.

(Horwath).

VATICAN: Vatican Radio, 9605, full data "Cross Antenna" card in 47 days, air, for EE rpt. No rp. (Conover); 9625, full data "Formal Garden" card in 48 days, air, for EE rpt and 1 IRC. (Rojewski): 11845, full data card in 30 days, air. (Askine).

VENEZUELA: R. Barquisimeto, 4990, postcard in 8 weeks for SS rpt and mint stamp. (Guarducci).

R. Angostura, 6120, letter, pennant and 2 postcards of Angostura Bridge in 43 days for SS rpt, 2 IRC's and a postcard of the Verrazano-Narrows Bridge. V/s Sinar Guerra Madriz. (Gaffin).

R. Trujillo, 3295, letter in 2 months for SS rpt. V/s Pedro J. Torres, Dir. (Barto).

R. Continente, 5030, stencilled letter in 7 days, air, for SS rpt. No rp. (Cosier).

VIETNAM (N): VOV, 12035, card in 7 months. Later rpts sent proved futile, as postal problems exist. (Lausevich): 15012, full data card and sked in 160 days, air, for EE rpt and 2 IRC's. (Rojewski).

YUGOSLAVIA: R. Belgrade, 9620, black/white foto card of "Rovinj" in 55 days, air, for EE rpt and SASE, not used. (Brooks).

ZAIRE: R. Lubumbashi, 7205, letter in 2½ months for FF rpt, mint stamps. V/s Babadi Ntumba Bumba. (Barto). (Now there's a verie signer! Babadi Ntumba Bumba! A beautiful name! There is music in that name! Babadi Ntumba Bumba. I could write it all night. Anybody want to join the "Babadi Ntumba Bumba Fan Club"? ed.)

BAD NEWS DEPT: Just received a letter from Ben Carter, Knoxville, Tenn. stating that R. Nederland, according to their "DX Jukebox" program of Nov. 14, will no longer send out pennants. Ben adds that a new QSL is being offered but no details are available yet on the type. This is another economy measure. Let's hope that it doesn't turn out like Radio Canada International. Thanks for the info, Ben.

HELPFUL HINT: James A. Conrad, Waterloo, Iowa, sends this info:

"If you want to keep QSL's from bending and tearing, check with your local print shop to see if they do plastic lamination work. Laminating costs about 25¢ per card but it is worth it since thumb tacks can be put through the plastic around the card. Just ask for a quarter-inch border around each card." Sounds like a good idea, James. I try to display some of my cards by mounting them on white cardboard sheets with photo mounting corners but most of them warp and pop out of the corners.

INFORMATION REQUEST: Henry Rockwood writes, "I would like to run a poll on the following questions to measure the impact of the "goodies" given, and the contests sponsored by stations. Many of the international broadcasters use such items as a means of increasing and maintaining an audience."

1. Do you ever ask for items other than QSL's, pennants or skeds?
2. If so, do you enclose extra return postage?
3. What 3 stations have sent you the most items?
4. What station has sent the most at any one time?
5. What is the best single item received? From what station?
6. Do you enter contests sponsored by stations?
7. If so, have you ever won a prize?
8. Best prize won? From what station?

Please send your answers to Henry before Jan. 15, 1976. He will forward the results for inclusion in a later "QSL Report". The address is: Henry Rockwood, RD #6, Summerhill Addition, St. Clairsville, Ohio 43950.

And that allows me just enough space to wish you all a very Merry Christmas and a Happy, Prosperous New Year. I hope that on Dec. 24 you get all those QSL's you had given up on. Until next year, 73's, lots of luck, and keep smiling.

Bill

Log

Section
A

Report

1605 - 5899 kHz

•Editor Sec. A: Robert Hill
1626 Bonita Ave., Berkeley, CA. 94709

* ASSISTANT EDITOR: Kevin Szot

* DEADLINE: 15th of month

- 2360 GUATEMALA. R. Maya. 1135 relig pgm in Indian lang (Keeney 11/4).
 2380H (T) COLOMBIA. R. Cordillera (2x1190). 0428 trop mx; hrd here before (Hauser 10/18).
 2390 GUATEMALA. V. Atitlán. 0143-0235, 1110-1215 fade, SS, marimba mx (5 reporters).
 2390 MEXICO. R. Huayacocotla. 2352 SS mx, both CS and slogan IDs (Keeney 10/31).
 2400H NEPH. ANTILLES. TWR (3x800). 0030 DD, later SS & PF; better than 800 (McNeil).
 2420 BRAZIL. (T) R. São Carlos. 0847 PF ancts, lively mx; quite weak, but LF Brazilians good this morning (Young 11/1).
 2440H COLOMBIA. R. Cordobesa (2x1220). 0100-0600 IDs, RCN relays; G-VG (5 reporters).
 2510 SO. KOREA. KBC, Taegu. 1220 drama in KK (Sparks 10/26).
 2850 NO. KOREA. KCBS, Pyongyang. 1330-1400 KK talks, orch mx & male vocals (Thompson).
 3030A NO. KOREA. KCBS, Wonsan. 1300 4-pip TS, KK talk, mx // 2850; F (Hauser).
 3203V UNID. 0020-0200+ slow & easy LA mx, SS or PF; varied 3202-04. Brazil? (Perdue 10/27).
 3215 VENEZUELA. O. Panamericanas. *0958 NA, ID, Venez mx, ads (Jones, Miller).
 3222 TOGO. RT, Lama-Kara. 2208-2212 nat mx, FF // 5047; G (Whitacre 10/21). 2220-2230 same // 6155 (Lama-Kara) but not // 5047 (Togblekope); P (Mayer 10/19).
 3227 LIBERIA. ELMA. 2216 vernac, 2221 EE s/off ancts, 2223* NA; P u/ ute (Whitacre 10/21).
 3230 TAIWAN. BCC. 1320 M&W alternating in CC talk, CC vocals; 333 (Shaw 11/2).
 3235 BRAZIL. RC Marília (listed). 0045 mx pgm; vy weak (Field 10/27).
 3245 VENEZUELA. R. Libertador. 0150-0330 mx, ads (3 reporters). *1018 (Jones).
 3250 SO. AFRICA. SABC. 0130-0401* EE, orch mx, singing ads (4 reporters). (10/21).
 3255 LIBERIA. ELBC. 2230 EE ment Liberia; faint (Mayer 11/1). 2305 EE u/ ute (Whitacre 10/21).
 3275 VENEZUELA. R. Mara. 0250-0350 vocals, SS, many IDs, guitar & orch mx (Thompson).
 3280 ECUADOR. V. Napo. 0317* after light mx, "buenas noches," more mx (Jones).
 3288 UNID. 0030-0100+ SS, ads, LA mx. HJUJ? (Askine 10/19). 0745-0835 LA mx, SS or PP ancts, no IDs; strong het de Guyana OC (Young 11/10). 1120 cmtry, relig mx, Guatemala ment but unlikely TGNC would be so far off freq (Schwartz 10/25).
 3290 GUYANA. GBS. 0049-0120 EE political discussion, Big Band tunes (Miller, Robins). 0805-0957 Hindi chants, talk, EE, TCS, ads (Moritz, Laves, Earhart, Jones).
 3295 VENEZUELA. R. Trujillo. 0245-0300* LA songs, long taped IDs (McNeil).
 3300 BELIZE. RB. 0315 EE relig pgm (Schwartz). @ More likely Guatemala (BH).
 3300 GUATEMALA. R. Cult. 0115-0300 EE relig pgms, songs (Thompson, Anderson). 0650 unusual late pgm of US dance mx, ID; sig like local (Sparks 11/10).
 3315 MARTINIQUE. Fort de France. 0008-0240, 1004, varied mx, FF ancts; good carrier but rather shallow mod. What's new name of stn? (Barto, Schwartz, Robins, Keeney).
 3316 SIERRA LEONE. SLBS. 0653 EE ID & local mx after talk in Af lang, EE ad, TC (Sparks). 2230-2334* EE VOA pgm, pops, mx, NA at s/off; VP (Anderson, McCarthy).
 3325 GUATEMALA. R. Maya. 1117-1131 strange guitar & flute mx, N talking, no 2360 (Moritz).
 3325 VENEZUELA. R. Monagas. *0953 mx, ads, sev IDs (Keeney, Earhart).
 3329V PAKISTAN. PBC, Peshawar. 1415-1440 SC mx, talk (Shaw, Young, Sparks).
 3335 NEW GUINEA. R. East Sepik Dist. 0720 EE, R&R mx (W. Smith, CA). 1017 CLW (Keeney).
 3335+ (T) SENEGAL. RS, Ziguinchor. 2245-2300* Af mx, singing. Or Mozambique? (Whitacre).
 3340 ECUADOR. R. El Mar. 0322 bank ads, ID as El Mar and Tropical (Laves, Barto).
 3345 VENEZUELA. Unid (2 listed). 0210 sports xing 4VEH; good Braz night (Field 10/26).
 3345 HAITI. RS 4VEH. 0014 relig quiz (Dunn). *0958-1034 SS relig (Keeney, Moritz, E'hart).
 3350 GHANA. GBC. 2230 ID, native singing; super S9+ sig (Whitacre 10/21).
 3355 VENEZUELA. R. Impacto Valencia. 0235-0315, *1002, usual (Perdue, Lineback, Jones).
 3365 BRAZIL. Unid (2 listed). 0220 mx; G (Field 10/26).
 3365 VENEZUELA. R. Pto. La Cruz. 0345-0350 many IDs by M&W, then LA mx; het (Moritz).
 3380 GUATEMALA. R. Chortif. 0054-0315, *1055, SS, marimba & orch mx (3 reporters).
 3385 FR. GUIANA. Cayenne. 0038 FF discussion, pops (Miller). 0445 FF by M&W, lots of #s (election?), ment Cayenne (McNeil). 0922-0944 mx, TC, nx (Earhart, Keeney, Laves).
 3385 VENEZUELA. R. Barcelona. *0958 NA, ID, calls, freqs (Jones).

- 3395 VENEZUELA. R. Universidad. 0230 soccer game, ID (Schwartz). 0300* NA but back when rechecked 0330 -- then 0400*! (Field 10/26).
- 3396 NGERIA. NBC, Kaduna. 2215-2306* EE, native mx (Earhart, Whitacre).
- 3396 RHODESIA. RBC. 0316-0332 US pops, EE ancts (Schwartz). # Isn't freq 3394 now? (BH).
- 3400A BRAZIL. R. Xapuri. 1017 ID & freq, into mx, singing; splash de YVOJ (Jones 10/16).
- 3402A UNID. 0230 sports to 0400*. Lang? (Field). # Perhaps Xapuri (BH).
- 3425 (T) NEPAL. RN. 1219-1225 bits of mx, W in lang; line noise (Shingler 11/9).
- 3450 CHINA. RP. 1240 M droning in monotone CC talks; P (Vokes).
- 3560 NO. KOREA. RP. 1345-1420 KK talks, orch mx, vocals; 1350 RR (Thompson 10/26).
- 3885 CAPE VERDE IS. RCCV. 0812 PP mx & ancts; strong at first, gone by 0843 (Young 11/10). 2345-0004* Af-flavor pops, PP ancts, some US pops; 0002 ID, NA. Amazingly strong in CA! (Robins, Mayer, Moritz, Whitacre, Hill & Szot 11/17, Hill 11/18).
- 3905 ADMIRALTY IS. R. Manus. 0804-1000 (0933* on Sun.), local Is. & orch mx, US pops ("I Am a Rock"), EE & pid ancts. Local address is PO Box 10, Lorengau. Official tests began 10/6 at 0700-1300; official opening early Nov. (Tuchscherer, Padula, Young, Sparks, Keeney).
- 3905 INDIA. AIR. 1905 AA nx, then mx pgm; 1925 ID. AA seems later than sked (Wootten).
- 3910 JAPAN. FEN. 1050 EL mx, 1100 time tone, EE ID, nx // 6155 better (Robins).
- 3925 PAPUA. NBC, Pt. Moresby. 1106-1125 nx, EE talk by W // 4890 (Moritz).
- 3930 CAPE VERDE IS. R. Barlavento (hasn't this been renamed R. S. So Vincente or some such new title?). 2315-2400* clas/EL mx, W ancr in PP; ham QRM (McNeil, Whitacre, Mayer, # Note: 2400 is midnight GMT at the end of a day; 0000 is midnight GMT at the beginning of a day -- hence this s/off is 2400, not 0000 (BH)).
- 3940 FRANCE. RFI. 1930 FF nx // 11925 but not 3965. Not rptd previously (Wootten 10/24).
- 3945 NEW HEBRIDES. R. Vila. 0745 mx, 0800 drama; getting steadily stronger, little QRM (Field 10/26). (T) 0900* after R&R mx, native choir, long talk in Fid. This on 11/2, a Sunday, when normally not scheduled (Sparks).
- 3952A ENGLAND. BBC. 0205-0230* EE to Asia, nx, R. Newsreel (Moritz). 0245 RR nx, cmtry -- sked 0300-0330, however. Also 2200-2315 in Italian (Leffler 11/5).
- 3965 FRANCE. RFI. 1935 R&R mx, FF talks; not hrd // 6175 (Wootten).
- 3970 CAMEROONS. R. Buea. 2145-2200* FF nx, ID, NA; F-P under hams (Mayer 10/21).
- 3980 W. GERMANY. VOA. 0500 IS, EE nx (Miller).
- 3985 ECUADOR. ERP. 1108 LA mx; 222 (Laves).
- 3985 SWITZERLAND. SBC. 0325-0705 FF, EE, Swiss mx, DX pgm (Mayer, Talbot, Moritz).
- 3990 LIBERIA. VOA. 0420 EE, special anct & phone # for listeners in Lebanon (Talbot 11/4).
- 3995 ASIATIC RSFSR. Site unk. 1330 tune to 1430 fade, RR Mayak pgm (HS) (Davis).
- 3995 ITALY. RAI. 1945 variety pgm over DW; // 96.7 FM only (Wootten).
- 3999 (T) GREENLAND. GR. 2345 low-level talk by M, orch mx, W talk; P, ham QRM (Robins).
- 4010 KIRGHIZ SSR. Frunze. 0122 piano mx & exercises // other USSR that area (Alma Ata, Dushanbe, Tashkent). First time hrd in almost 2 years (Young 10/28).
- 4025 NO. VIET NAM. Viet Bac. 1345 anct, vocal and stringed mx; F (Shaw 11/2).
- 4030 ASIATIC RSFSR. Anadyr. 0430 HSLA, 0500-0600 local (relayed by Magadan on 9500), 0600-0700 HSLA, 0700-0800 delays Magadan or RS Pacific Ocean (Tikhi Okean); usually P at 0430, F-G by 0600 (Davis).
- 4035 TIBET. Lhasa. 1440 CC drama, 1500 RP IS & NA, more CC (Young).
- 4110 (T) KAZAKH SSR. Kzyl Orda. 1315 strange Mideast-type lang by M&F; weak (Young 10/30). # Think you'll find this is Urumchi, not Kzyl Orda, which isn't even listed anymore in the Trop Bands Survey (BH).
- 4310 (T) UZBEK SSR. Chimkent. RR talking, but terribly weak. Haven't hrd here in 4 years. Anybody else reporting this? (Young 10/30). # Time? Also believe Chimkent inactive here for quite some time despite Aussie report some months back (BH).
- 4425 BOLIVIA. R. Paititf. 0057 LA pops, 0100 SS DJ, more wild mx after ID. Splatter from Vancouver Marine Op (44224) and SS-spk fisherman who was complaining about QRM from a BC stn on "his" freq (Szot 10/28).
- 4467 (T) BOLIVIA. R. Movima. 0101 LA mx, likely SS or poss Quechua; no ID (Szot 10/28).
- 4485 ASIATIC RSFSR. Petropavlovsk, Kam. Usually FI 0500-0530 now (occ 0430) w/ HSLA (FE version); 0630 M-F has local pgm & ID (Davis). 1031 M&W in RR; v/ weak (Shingler).
- 4500 AUSTRALIA. VNG. 1044 EE ID, time pips (Anderson).
- 4600 JAVA. RPKD Trenggalek. 1525 seemed council meeting, M fielding ?s from floor (Shaw).
- 4604 BOLIVIA. R. Mamoré. 0039 and 0147 Andean mx, IDs, ancts; P-F in utes (Szot 10/24-25).
- 4610 ASIATIC RSFSR. Khabarovsk. 1025 clas mx occ hrd thru ute het; weak (Shingler 11/9).
- 4620 KAZAKH SSR. Pavlodar. 1320 RR by W with other RR in area peaking same time (Young). # Never reported. More likely Peking, hrd daily this freq (BH).
- 4650 SUMATRA. RPKD Simalungun. (T) 1103 light Indo mx, W ancts. Pwr? (Young). 1435 Indo pops, W ancr, then M; excellent (Shaw).
- 4673 INDONESIA. UNID. 1400 seems Indo nx, 1410 mx; sinks by 1430 (Shaw).
- 4680 ECUADOR. RNE. 0320-0335 SS talks, orch mx, many IDs (Thompson).
- 4698 JAVA. RKP. 1231-1455 Indo talks, orch mx; 1300 RRI nx (Corson, Shaw).
- 4700A NO. KOREA. KCBCS. *1000-1019* long anct, W in KK (M. Smith, Jones). 1330 KK vocals (Vokes). # This stn operates only the first 10-20 minutes of the hour and doesn't play mx except for anthem at s/on. Suggest you had RRI, Indonesia (BH).
- 4719 SULAWESI. RRI, UP. 1233-1250 chimes, Indo talk (M. Smith, Jones).
- 4738 BOLIVIA. R. Abaroa. 0109 SS jabber, ID; clear freq (Szot 10/28).
- 4740 MALDIVES. RM. 1500 in there but too much CW QRM. 1503 mx on wood instruments banging together, 1510 ment Maldives in EE(?); 1554 still there. 99% sure ID (Szot).

- 4750 ZAIRE. VZ. *0359 w/ someone banging on something; 222 (Laves). 2030 two # in FF, Af mx (drums, flute, etc.) interspersed; 422 (Leffler).
- 4755 BRAZIL. Rdf Maranhão. 0330-0352 vocal mx, PP ancts; F (Barto).
- 4755 COLOMBIA. Em. Nuevo Mundo. 0500 SS mx; strong (Barto).
- 4764 SUMATRA. RRI, Medan. 1105-1123 string mx, chants (H. Smith). 1410-1420 Indo talk, ment Medan; mx; 333 (Mitchell).
- 4765 BRAZIL. UnID. 1100 PP mx; weak and choppy. Believed R. Espírito Santo (Barto 11/12).
- 4765 CONGO REP. RTVC. 0230-0245 seemed native talk, ment Congo and Angola. Have they gone 24h or just observing independence of Angola? (Barto 11/12). 2050 FF (Padula).
- 4770 LIBERIA. ELMA. 2220 EE relig pgm, hymns, sermon, ID (Schwartz).
- 4772 ECUADOR. R. Cenit. 0412 SS, Ec pops to 0429* (McCoy). 1112 ID, freqs, etc. (Jones).
- 4775 AFGHANISTAN. Kabul. *0127 beautiful flute IS, 0128 W in Pushto(?), 0130 three pips, short mx by H; 0135 recheck, chants (Sztot 10/28).
- 4775 ECUADOR. R. Libertad. 0404-0417 Andean vocals, IDs; clear after 0400 (Barto).
- 4775 JAVA. RRI, Jakarta. 1155-1205 theme, pips, mx; Kabul QRM (Lineback 10/21).
- 4777 GABON. RTG. 0437-0452 Af mx, FF ancts & IDs; F (Walcott). 2220-2227 chants (Moritz).
- 4780 AFARS & ISSAS. Djibouti. 0310-0325 AA chants by lone M (no mx), 0320 talk, more chants; weak & ute QRM (McNeil C/H 140). (T) 0437 chants, 0444 M in Mideast lang; don't think Gabon drifting (Barto 11/12).
- 4780 VENEZUELA. V. Carabobo. 0347-0359* SS, mx (Mitchell). 1104 SS ID, nx (Miller).
- 4780 HONDURAS. R. Jucitcalpa. 1043-1204 typical Latin fare, ID, TCS, ads (H. Smith, Jones).
- 4785 BRAZIL. E. Brasil. 0358-0405* PP closing remarks, ID (Tuchscherer 10/30).
- 4785 BRAZIL. R. Ribamar. 0355-0400* LA instr mx, PP talks; vy G level and surprised to find this one (Barto 11/10). # Did you get ID? If not, more likely R. Brasil (BH).
- 4786M MALI. RM. 2250-2300* FF talk and Af mx, xing horrendously w/ VS18 to create quite a musical jam-session, hi (Moritz 10/14).
- 4787 COLOMBIA. Ecos Combeima. 0315-0735 dance mx, LA vocals (Mitchell, Barto, Moritz).
- 4788 TURKS & CAICOS. VS18. 2207-2335* EE, US pops, IDs (Schwartz, Cress, Moritz).
- 4790 ECUADOR. Em. Atalaya. 0458-0507 vocals, ancts, nx (Barto, Vokes).
- 4790 PERU. R. Atlántida. 0407-0452 LA mx (guitars/flutes), ID, TC (Patterson, Barto).
- 4794V ECUADOR. V. Caracas. 0320-0625 LA & US rock, IDs; QRM. Drifts (Perdue, Lausevich).
- 4797 BOLIVIA. R. Nueva America. 0155 W talk re "La Patria," then mx w/ M DJ (Sztot 10/24). 1010 ID "La Paz, Bolivia, Radio Nuevo Mundo, Emisora de Bolivia" (Jones 10/16).
- 4800 CHINA. RP. 1355-1405 CC drama or play; 444 (Mitchell).
- 4800 LESOTHO. RL. 0500-0504 EE nx but not sure if BBC. Anyone else hearing this? (Barto).
- 4805 BRAZIL. R. Itatiaia. 0400-0405* seemed nx, clear ID at w/off; hvy QRM (Barto 11/10).
- 4805 JAVA. RRI, Jakarta. 1145 assumed the one w/ native versions of US EL mx (Robins).
- 4806 BRAZIL. Rdf Amazonas. 2255-2303 PP ancts, nx pgm; F-G (Barto).
- 4807 DON. REP. R. Norte. 1044-1052 M in SS over toy instrument, then relig svc (Moritz).
- 4810 ECUADOR. R. Coro Santa Cecilia. *0958-1003 ID, relig mx (H. Smith 10/11). # Have never seen this rptd and isn't listed in TRS. Not YVNG?? (BH).
- 4810 GALAPAGOS IS. V. Gal. 0240-0405V* (0503* on 11/5), vocals, contemporary SS mx, IDs, birds IS; occasionally over SABC (Mitchell, H. Smith, Corson, Cress, McCoy).
- 4810 GUATEMALA. R. Mam. Cf. Nov. LR-A. Not a "slip of the Bic": R. Mam was down here from 4825 one AM only. At first thought it was Galápagos or Venezuela till ID (Field).
- 4810 SO. AFRICA. SABC. 0340-0415 EE/Afkn, pops & semiclas mx (Patterson, Mitchell).
- 4815 ECUADOR. R. Canal Manabita. 0432 SS pops, Andean mx, many IDs; het de Peru (McCoy).
- 4815 UPPER VOLTA. RTV. 2237 FF ID, nx; 323 (Schwartz).
- 4820 GAMBIA. RG. 0633-0650 endless chants by W; F (Shingler). # How do you know they were endless if you tuned out at 0650? (BH).
- 4820 HONDURAS. V. Evangélica. 0320-0440, 1105-1207 EE relig pgms, nx (6 reporters).
- 4820 UNID. 2300 AA chanting, just audible w/ Clarín. WRTH says India (Anderson 11/19). # A more likely possibility is Gambia (BH).
- 4825 ASIATIC RSFER. Vladivostok. 2200 RM IS, talk in SEAsian lang; P (Mayer 11/2).
- 4825 GUATEMALA. R. Mam. 0010-0223* sev IDs, pgms in Indian lang, marimbas (Robins, Spks).
- 4825 TANZANIA. RT. 2100-2110* Swahili nx, ID, NA; F-F (Mayer, 'Mhicare. itz).
- 4826 ECUADOR. R. Luz y Vida. 0448-0455 Andean mx, occ SS ancts the typically no ID (Moritz).
- 4832 COSTA RICA. R. Capital. 1204-1213 LA pgm (Patterson).
- 4835 GUATEMALA. R. Tezulutlan. 0000, 1158-1221 marimbas, IDs, relig mx, ads (3 reporters).
- 4835 SO. AFRICA. SABC. 0435 clas mx, EE entry, ID (Schwartz).
- 4840 BRAZIL. UnID from 2348 M&W talk // 5055/4855/3365 (Field 10/30). # Pgm prob "A Voz do Brasil"; stn could be Rdf Roraima/4839 (BH).
- 4840 CHINA. PLA. 1100-1135 W hollering in CG, rev mx (Vokes, Robins).
- 4845 BOTSWANA. RB. *0355V-0505 cowbell IS, rooster crowing, choral hymn, Setswana talk, nx, math lesson; 0500 BBC nx. Also LP 1540-1550 pops, Setswana (10 reporters).
- 4845 COLOMBIA. R. Bucaramanga. 0343 EE ID and talk (Dunn).
- 4845 MALAYSIA. RM. 0935 Indian nx by W; F (H. Smith, CA). # "Bahasa Malaysia" means "Malaysian language"; it isn't the name of the stn (BH).
- 4845 MALUKU. RRI, Ambon. 1257 "Love Ambon," Jak nx; ditto 1359 (Laves, Keeney, McCoy).
- 4850 MAURITANIA. RNM. *0700-0803 guitar IS, Af lang ancts, chants (Sparks, Moritz). 2035-2305 AA entry, chants, FF IDs, nx (Padula, Anderson, Keeney, Schwartz).
- 4850 VENEZUELA. R. Capital. 0215-0230+ US pops, soul; no Clarín this night (Perdue 10/27).
- 4855 BRAZIL. RC Para. 0142 futebol (such excitement!); 0314-0332 pops (Miller, Patterson).
- 4855 SUMATRA. RRI, Palembang. 1125-1230 instr mx, W in Indo, nx (H. Smith, Lineback).

- 4860 PERU. R. Chinchaycocha. 0443 vocals, 0504 ID (Laves 11/4).
- 4865 BRUNEI. RB. 1255 Oriental mx, 1300 ID; 433 (Laves).
- 4865 COLOMBIA. V. Cinaruco. 0330-0341 SS, pretty LA vocals, CARACOL ID only (Patterson).
- 4875 BOLIVIA. Cruz Sur. 1112 SS, light & pop mx; 343 (Jones).
- 4875 SO. AFRICA. SABC. 0445 Afkns cmtry, ID; 333 (Schwartz).
- 4880 VENEZUELA. R. Universo. 0311-0326, 2300-2323 SS, LA pops, ads (Patterson, Askine).
- 4882 DOM. REP. R. Comercial. 0317-0329 SS, mx; 333 (Mitchell).
- 4882 UNID. 1556 in PP(?); 1600 Moscow IS xed, nil QRM afterwards. Who? (Sztol 10/25).
- 4885 COLOMBIA. O. Meta. 0429-0441 Col mx, ID, TC for 11:33; not hrd when YV on (Pat'son).
- 4890 HONDURAS. R. Lux. 0013, 1210-1221 ID, ranchera mx, ment Olanchito (Mayer, Patterson).
- 4890 PAPUA. NBC. 0851-1230 EE talks, TCs, local shows, etc. (7 reporters).
- 4890 SENEGAL. RS. *0556 carrier on, IS; 0559* then *0607 w/ chants, FF nx, mx; 0758* sud-
denly (Cassista 11/10). # Why is this one so elusive nowadays? (BH). ell).
- 4890 VENEZUELA. Rdf Ven. 0253-0340 TCs, IDs "Estación de la alegría" (Patterson, Mitch-
ell).
- 4890 UNID. 1300-1320 talk & mx w/ PNG then clear after latter s/off. B. Desh? (Lineback).
- 4891 PERU/ECUADOR. R. Musical de Junfn. New stn hrd after 0400A* of YV. Itself s/off
around 0407 (Vokes, Laves). # Some evidence may be Ecuador, not Peru (BH).
- 4900 BURUNDI. R. CORDAC. 0402 M in Swahili, relig mx; P (Vokes 10/28). (T) 0417-0504
lang, hymn, Af mx, native & FF-type talk; 0500 poss EE; ute QRM (Corson 11/11).
- 4900 SULAWESI. RRI, Gorontalo. 1300 Indo, 1450-1530 sev IDs, ment local towns (Vokes,
4900 VENEZUELA. R. Juventud. 0238-0359* rock, TCs, IDs (4 reporters). Shaw).
- 4904* CHAD. RIT. 1915-2001* FF, Af mx, military-type NA (Padula, Keeney, McCoy, Moritz).
- 4905 CHINA. RP. 2255-2259 W in CG, orch mx, 2301 mx; F (Shingler).
- 4905 ECUADOR. V. Zamora. 0905-0925 SS mx, ID (Lausevich) # This is never reported and not
listed in TBS. Also, please note that 0905* means 0905 SIGN-OFF (BH).
- 4910 (T) ECUADOR. Em. Gran Colombia. 0609-0623* Andean mx, ment Ecuador (Moritz).
- 4910 GUINEA. V. Rev. 2210-2303 speech & applause in lang; P (McCarthy 10/18).
- 4911 ZAMBIA. RZ. 2040 vernac discussions by W, modern mx (Padula).
- 4915 CHINA. Kwangsi PBS. 1200-1432 CC talk, opera (Vokes, Laves, Mitchell).
- 4915 COLOMBIA. R. Guatapurí. 0418-0458* ads, ID, MA (McCoy, Dunn).
- 4915 GHANA. GBC1. 0555-0610, 2225-2304* EE/vernac, gospel mx, nx (Mitchell, Askine).
- 4920 AUSTRALIA. ABC. 0830-1245 IDs, relig pgn, nx, pops (Patterson, Askine).
- 4920 HONDURAS. R. Progreso. 0450-0454 SS, mx ("Moulin Rouge"); 333 (Schwartz), ta, Mayer).
- 4920 UKRAINIAN SSR. Kiev. 2100 Moscow IS, FF, nx; 2130 Mayak ID (Shingler, McNeil, Cassis-
4923 ECUADOR. R. Quito. 0338-0520 nx, Ec flute & LA pops (Laves, Newman, Moritz).
- 4925 BRAZIL. (T) Rdf Taubaté. 0847 ballads, opera-type mx, choral & semi-relig selec-
tions; 0900 TC w/ bongos, ID (Laves 11/9).
- 4925 MANCHURIA. Heilungkiang PBS. 1210-1331 W in CC, CC opera (Shingler, McCoy).
- 4930 DOM. REP. R. Mil. 0125-0515+ old US rock, LA mx (Lausevich, Patterson, Newman).
- 4930 (T) ECUADOR. R. Cristal. 0405-0415* mx, chimes, ID (Mitchell).
- 4938 BOLIVIA. R. Norte. 0126 SS sports BC, ID; het de Ecuador/4939 (Sztol 10/25).
- 4940 ECUADOR. Rdf Nac. 0400-0405* international nx, ID, MA march; G (McNeil).
- 4940 ASIATIC RSFSR. Yakutsk. HS1B (Siberian version) again in use as last winter. Hrd
from 0930 to 1400 fade (Davis).
- 4945 COLOMBIA. R. Colosal. 0128-0535 ID, mx w/ DJ (Conover, Mitchell).
- 4950 SARAWAK. RMS. 1214-1446 EE IDs, local nx, mx (McCoy, Shingler, W. Smith, Mitchell).
- 4950 COLOMBIA. R. Nac. 0411* and *1042, much clas mx (6 reporters).
- 4955 SO. AFRICA. R. RSA. NF mx-9525 hrd *1956-2250* (Whitacre, Padula, Dunn).
- 4955 SUMATRA. RRI, Banda Aceh. 1445 catchy Indo pops, 1500 nx (Shaw).
- 4960 VENEZUELA. R. Sucre. 0045-0344 soccer match, anct, mx (Yajko, M. Smith).
- 4965 COLOMBIA. R. Santa Fé. 0135-0530 usual LA pgn (M. Smith, Mitchell, Moritz).
- 4970 SABAH. RMS. 1245-1300 Malay conversation by MSW, ID, EE (Mayer 10/21).
- 4972* CAMEROON. R. Yaoundé. 0419-0600 Af mx, FF anct, EE ID, church svc (4 reporters).
- 4975 COLOMBIA. R. Internacional, Cúcuta. 0145-0205 SS mx, frequent IDs (Lausevich). #
Most unlikely, as this one has been inactive since time immemorial (BH).
- 4975 PERU. R. del Pacífico. 0410 Is. mx, 0422 ID (Perdue).
- 4980 ECUADOR. O. Azuayas. 0411-0504* TCs, Andean & pop mx, ads for TV & radio; RTTY QRM
and not QRM till YV s/off (Patterson 10/11). UnID 0436 SS stn w/ Andean-type mx;
even strength w/ YV. Hrd 10/28 only (Mayer). (T) 0430-0500* same format (L'back).
- 4980 GHANA. GBC2. 0543-0630 pops, EE DJ, EE lang lesson (Keeney, Kreis). 2250-2305* relig
pgm in EE (McCarthy).
- 4980 VENEZUELA. Ecos del Torbes. 0058-0500*, 2325-2345, usual stuff (6 reporters).
- 4985 BRAZIL. R. Brasil Central. 0246-0446 PP, nice mx (M. Smith, Mitchell, Patterson).
- 4985 SULAWESI. RRI, U-P. 1202-1228* Indo nx, guitar mx (M. Smith 10/26). Mitchell).
- 4990 VENEZUELA. R. Barquisimeto. 0120-0400*, sig well below norm (Lausevich, Patterson).
- 4990 NIGERIA. NBC. 0630 relig (Sparks). 2123-2150 Af mx, vernac (Miller, Shingler).
- 4995 PERU. R. Andina. 0415-0436 wild Andean mx, no ID (Patterson). 1052 ID, mx (Jones).
- 5000 ITALY. IBF. 0645 EE ID under *MV (Dunn).
- 5005 SARAWAK. RMS, Sib. 1130 Iban anct by MSJ, soft mx; P-F (Robins).
- 5007 BOLIVIA. R. Universo. 0017 SS, LA mx, ID. Was looking for Nepal but will take this
one any time (Sztol 10/25).
- 5010 CAMEROON. R. Garoua. 2100-2200* FF anct, native songs; F (Whitacre).
- 5010 PERU. R. Eco. 0155-0220 SS w/ "Eco-Eco-Eco" ID, up tempo LA mx, pops (Moritz).
- 5015 KARELO-FINNISH ASSR. Petrozavodsk. 2145-2158* clas mx; 0510 RR ID (Shingler 10/25).

- 5015 ASIATIC RSFSR. Vladivostok. 1204-1410 RN HS, mx, clas mx, etc. (Patterson, McCoy, Mitchell, Earhart/CA). 2200 IS, 1607 in RR (Whitacre 11/2).
- 5015 UNID. 2100-2115 chanting or perhaps Af mx; vy faint (Mayer 10/25).
- 5016 RHODESIA. RBC. Opera mx, 0700 lang ID, mx (Mitchell). # Much too late for Rhodesia; you probably had Vladivostok/5015 or Honiara/5020 (BH).
- 5020 CHINA. Kiangsi PBS. 1205 CC talks, mx. What variety these CC stns have (Vokes).
- 5020 COLOMBIA. Ecos del Atrato. 0000-0405* nightly (5 reporters).
- 5020 COLOMBIA. Transmisora Caldas. 1110 LA mx, ID (1st time since '72) (Miller 11/1). # Al, will you bet your HRO500 it wasn't Atrato -- or are both now on? (BH).
- 5020 NIGER. ORTN. #0530-0541 NA, FF ID, chants, mx, talks; poor (Walcott).
- 5020 SOLOMON IS. SIIBS. 1104 ABC mx, pops, 1129* NA (McCoy).
- 5025 PERU. R. Quillabamba. #1022 ID, native mx; 333 (Jones).
- 5026 UGANDA. UBC. 2059-2208* Af mx, EE nx; F-mk (Whitacre 10/23, Mayer 11/1). # Nice! (BH).
- 5030 SARAWAK. RMS. 1232-1500 lang talk, mx to 1500* (Shingler, McCoy, Earhart/CA).
- 5030 VENEZUELA. R. Centinente. 0356-0359V* (Patterson, Mitchell).
- 5035 CENTRAL AF. REP. Bangui. 2135-2150 Af mx, FF; P (Shingler).
- 5035 COLOMBIA. V. Gaqueta. 0258 RCN pgm, speech by President of Colombia (Jones).
- 5035 KAZAKH SSR. Alma Ata. #1226 Tashkent IS, 1230 ID, M&M in RR/Kazakh (Whitacre, Szot, Shingler, Mayer). # This one relays Tashkent most or all of the time (BH).
- 5039 BURMA. BBS. 1420-1453 local mx, W in BB, M in EE at 1430 w/ pops, 1445 EE nx by W. Abnormal from Midwest -- rarely hear EE xmsn (Tuchscherer 11/2).
- 5040 CHINA. Fukien PBS. 1025-1041 usual screaming, moaning, etc. (Vokes, Laves).
- 5041 GUINEA-BISSAU. RB. 0620-0645 W lang, Af mx (Hardester). 2327-0002* US pops, SS vocals, sked & freq aned at s/off (McCarthy, Schwartz).
- 5040 PERU. R. Lib. de Junfn. 1040 full ID, TC, Peruvian mx; 333 (Jones)
- 5045 BRAZIL. (T) Rdif de Prudente. 2335 Braz songs, ads, echoey semi-IDs; P-F (McNeil). UnID FP nx, Braz mx, no ID (Mayer 10/26).
- 5048 SINGAPORE. RS. 1131 EE nx, ID as International Svc; into lang 1155 (McCoy, Keeney). Not Singapore (which is on 5052) but RRI, Yogyakarta/5046+ (BH).
- 5052 SINGAPORE. RS. 1235-1342 EE nx, interview, rock mx, ID (W. Smith/CA, Mitchell).
- 5055 BRAZIL. UnID. 0130 ID after relig BC; QRM. Vitoria still here? (Field 11/1).
- 5057 TRIANA. Gjrokaster. 1430 Alb political dialog, folk mx (Wootten). 1930 ID (Padula).
- 5060 ECUADOR. R. Nac. Progreso. 1114 "RNP presenta ... la musica de Ecuador" (Jones).
- 5060 YEMEN PDR. DYBS. 0457 AA, Mideast mx, W singing; 242 (Laves).
- 5065 KARELO-FINNISH ASSR. Petrozavodsk. 1253 RR talks; 232 (McCoy).
- 5075 COLOMBIA. R. Sutatenza. 0000-0314 nx, IDs, mx (Blossom, Conover, Mitchell).
- 5080 CHINA. RP. 1342-1350 CC talk, mx (Mitchell).
- 5100A UNID. 0500-0530 AA-type mx, 0515 exercise pgm w/ M leading exercises in FF (Newman). # Quite likely a rcvr spur from 49MB (BH).
- 5119 1/2 (T) BOLIVIA. R. Juan XXIII. 0113 maybe this or maybe just another ute (Szot 10/28).
- 5260 SUMATRA. RRI, Sibolga. 1515 after RRI nx (Shaw).
- 5804 1/2 YEMEN ARAB REP. R. Sanaa. 0301-0350 AA talk, ID, chants (Miller, Earhart, Moritz c/H 160, Shingler).
- 5875 HONDURAS. VH. 0244-0411 ballads, net nx, IDs, ads (Moritz, Jones).
- 5884 SUMATRA. RRI, Pekanbaru. 1237-1245 Indo talk, ID; fair (Mayer 11/3).

By any standard, this is the poorest showing for LR-A in recent memory. The sharp decline in quantity of items was matched by an equally sharp decline in quality of reporting -- lots of routine items; an unusually high number of wrong and questionable IDs; times and names left off items (and therefore promptly wastebasketed) . . . NASWA members can do a whole lot better than this month's section would indicate. Let's prove it!

Your Editor had an interesting DX morning: tentative Djibouti, tentative Mauritius, tentative Maldives, tentative Oman, tentative Margeisa . . . Only thing positive was the S7-89 electrical noise level!

IMPORTANT NOTE: A new Editor will be taking over Section A effective with the February 1976 issue of Friends. Please send reports for the January issue to me -- then send subsequent reports to Mac Leonhardt at NASWA Hq. (P. O. Box 13, Liberty, IN 47353) until a new Editor is selected and announced.

73,

Bob

WLARR/WB6GLF

HELPING HAND: Help wanted to locate any recorded music from Latin American and Far East countries (India, Iran, etc.) that could be put on cassettes I would furnish with return postage. Needed to familiarize myself with typical music from these countries. Contact Bill Paschke, HAP-1, 514B Portland Avenue (rear), Beloit, WI 53511.

Log Report



Section B

•Editor Sec. B: Kent C. Corson
2269 Graham Circle, Dubuque, Iowa 52001

- 5900 ISRAEL IBA; *2000-2055* EE, *2200-2255* FF, *0500-0530* EE/FF, Fair to good since 11/2 beamed to NA. (Magne, Zilmer) /Noonan)
- 5915 USSR R. Vilnius; 2228-2252 EE, ID, nx, mailbag pgm. (Shingler 10/26)
- 5920 USSR R. Moscow; 2135-2200 EE, Moscow mailbag; British ed. (M. Smith)
- 5930 CZECHOSLOVAKIA R. Prague; 0100-0115 EE, nx, pgm preview. (Conover, Askine 10/19)
- 5935 LATVIA R. Riga; 2050 IS & Latvian; fair on 10/30; some days only "Mayak" 2030-2130; two stations on this freq. (Behr)
- 5940 USSR R. Vilnius; 2245 EE, mailbag pgm and into Moscow pgm at 2300. Freq not announced on RV pgm, but was on RM. (Slaff 10/25)
- 5950 MANCHURIA Harbin; 1220-1300 CC, mx, w tlking, nx, //4924.3 and both fair level. (Behr 10/19, Shingler 10/16)
- 5950nf ISRAEL IBA; *0500-0530* EE/FF to ECNA. (Magne 11/2, Zilmer, Dunn)
- 5950 GUYANA GBS; 0038-0107 EE, ID, ads, mx and nx. (Conover 10/14)
- 5955 GUATEMALA R. Cultura; 0400 EE, bible study. (Zilmer 11/1)
- 5965 SPAIN RNE; 2300-0100 SS, mx, M&W tlking. (Conover 10/11, Behr)
- 5965 HUNGARY R. Budapest; 2145 EE DX pgm to Europe. (Noonan 11/6)
- 5965 SWITZERLAND SBC; 0150-0215* EE to NA, "Dateline" pgm with ID, pgm notes, and mx. (Carter 11/5)
- 5965 MOROCCO VOA Tangiers; 0730 EE ID and into AA. (Jones 11/5)
- 5970 PERU R. El Sol; 0450-0503 SS, cl mx and ID. (Tuchscherer 11/3)
- 5980 PERU R. Panamericana; 0656-0659* SS, LA mx, ads, and many ID's. (Jones 11/5, Moritz 10/26, Behr)
- 5980 SOUTH AFRICA RSA; 2230 EE, nx, cmntry and mx. (Conover 10/12)
- 5980 MEXICO R. Mexico; 1516 SS tlk and mx // 9705. (Hauser 10/14)
- 5987 SULAWESI RRI Menado; 1430-1520 Indo, w announc, mx, ID's. (Mayer)
- 5990 COLOMBIA LV de los Centauros; 0236 full ID & LA mx. (Behr 11/3) 0715-0800 SS, LA pops, songs by group, full ID. (Fadula 10/15, Moritz)
- 5990 ROMANIA R. Bucharest; 0211-0230* EE, mx pgm, nx, ID. (Ware 11/8)
- 5995 VATICAN Vatican Radio; 0100-0115 EE, rel nx, cmntry, orch mx, and ID. (Askine 10/19, Thompson 10/26, Ware 10/22, Conover 10/10)
- 5995 MALI R. Mali; 2153-2217 FF, non-stop afr mx, ID. (Moritz 10/8)
- 5995 AUSTRALIA RA; 0930 EE, Top 40 pgm. (Talbot 11/9)
- 6000 HUNGARY R. Budapest; *0130-0200 Hungarian/EE, IS, ID, NA and pgm in Hungarian and into EE nx at 0200. (Jones 10/19, Conover 10/22)
- 6000 SINGAPORE R. Singapore; 1615-1630 CC, cl mx pgm //9635. (Fitts)
- 6000 AUSTRIA ORF; 1115 GG, variety pgm. (Wootten 10/10)
- 6000 BRAZIL R. Inconfidencia; 0057-0100 PF, DJ pgm, ID. (Heimke)
- 6005 HUNGARY R. Budapest; 2130-2200 EE to Europe. Latest sked says 6015, for this service, but not heard there. (Fadula 10/10) /Talbot)
- 6005 CANADA CFCX; 1200-1958 EE, pop records, ads, tlks. (Fino, Keeney,
- 6005 AUSTRALIA RA; 0900-0915 EE, nx pgm. (Kreis 10/31)
- 6005 W. GERMANY RIAS; 2210-2230 GG, cl mx, opera, ID at 2230. Wish it was Berlin, but recent reports say Munich at this time. (Mayer 10/21)

- 6010 ITALY RAI; 0100-0121 EE, nx, country, mx. (Ware, Thompson, Askine)
 6010 W. GERMANY DW; 0130-0150 EE, nx pfm. //6040. (Heimke, Conover 10/12)
 6012 A. PARAGUAY R. Ricardo; 0944-1005 EE, w. with discussion, APRTS ID at 1000, mx. Topped through periodically. No ID for Ricardo heard but was // 6030. (M. Smith 10/17)
- 6015 DODECANESE IS. VOA Rhodes; 2150-2200 EE nx pfm to 2200*. (Talbot, Whitacre 10/26, Petravick)
- 6015 AUSTRIA ORF; 0400 CG, IS, tlk. (Noonan 10/26)
 6015 BRAZIL R. Clube de Pernambuco; 0015 FF, tlk, tones. (Zilmer 10/30)
 6015 USSR Orsha(list); *0130-0139 RR, tlk by W, lt mx. (Tuchscherer)
 6020 PERU R. Nueva Victoria; 1010-1101 SS, march mx, ID, short mx, and into nx pfm. (Hohnstein 11/6, Jones 10/31, 11/3)
- 6020 NETH. ANTILLES RN Bonaire; 0025-0120 SS, easy listening mx, IS, ID, tlks, orch mx. (Conover 10/10, Hauser 10/16, Thompson 10/26)
 6025 PORTUGAL R. Portugal; 0238-0303 EE, nx, country, tlks. (Conover, Dulac 10/23, Horwath 10/27) // Jones 10/29, Miller)
- 6025 UZBEK SSR R. Tashkent; 1127-1200 EE, native mx, IS, ID, news by M.
 6025 HUNGARY R. Budapest; 1120 Turkish(?), tlks and mx by W. Not listed in WRTH '75. (Wooten 10/10)
- 6025t PARAGUAY R. Nacional; 1138-1156 SS, tlk with possible ID. Heard "Nacional" and "La Voz Patria" something which leads me to believe Paraguay. (Moritz 10/30) No doubt on this one John.KCC.
- 6030 JAPAN R. Japan; 1228 EE, IS, ID. (Jones 11/9)
 6035 BOLIVIA R. Panamericana; 1000 SS, 1cl mx. (Hohnstein 11/4)
 6035 BRAZIL R. Globo; 0900 FF, tlks. (Hohnstein 10/31)
 6035 SWEDEN R. Sweden; 0027 EE, nx, country and mx. (Conover 10/18)
 6045 NETHERLANDS RN; *0930 EE, pfm to Europe. Unusual for this time?
 6045 SWITZERLAND SBC; 0429 EE, "Dateline". (Jones 11/5) // Jones 10/28)
- 6045 PERU R. Santa Rosa; *1055 SS, ID, and Peruvian mx. (Jones 10/11)
 6045nf SWEDEN R. Sweden; 2300-2330 EE, nx pfm to NA. //6035, 9605. (Zilmer)
 6050 ECUADOR HCJB; 0200 SS, ID, cl mx. (Conover 10/31)
 6055nf MALTA R. Mediterraneo (new name); 2045 "Malta Calline", 2100 IBRA EE pfm to 2115. Ex-9755. (Behr 11/1)
- 6055 CZECHOSLOVAKIA R. Prague; 2125-0031 EE/FF, non-stop cl mx, nx in FF, EE ID and into tlk. (Moritz 10/27, Petravick)
- 6060 SICILY Caltanissetta; 0034-0045, 0123-0231, operatic mx with nx at hour and half-hour in FF/11/EE. (Moritz 10/27) 1130 II, mx pfm at strong level. (Wooten 10/10)
- 6060 ARGENTINA RAE; 0922 SS, tlk and ID. (Yajko 10/20)
 6065 SPAIN RNE; 0115-0345* EE, nx, country, mx. (Talbot, Conover, Askine)
 6065nf ECUADOR HCJB; 1125-1137 SS/JJ, organ and choir mx, ID by W at 1130 and into JJ. (Earhart 10/12)
- 6065 COLOMBIA R. Super; 0200-0230 SS, ID, orch mx. (Thompson 10/23)
 6067 COLOMBIA R. Super; 0603 SS, ID and restful LA mx. (Miller 11/1)
 6070 USSR RW; 0217-0330 EE, Moscow mailbox pfm, tlks, and mx. (Talbot, Heimke, Dulac)
- 6070 BULGARIA R. Sofia; 2200-2214 II, ID by W, and into nx and comment, followed by mx. (Moritz 10/7) Relaying R. at 0233 with NA svc in EE. Ex-9700 //11860. (Hauser 10/27) //Dulac, Conover)
- 6075 COLOMBIA R. Sutatenza; 0144-0203* SS, tlk, LA mx, and many ID's.
 6080 BELGIUM RTB; *0038-0100* EE, "Belgium Speaking". (Mitchell, Horwath, Conover)
- 6080 USSR Komsomolsk; 1255-1325 RR, chimes at 1300, nx, mx. (DenHartog)
 6085 CANADA RCI; 0000-0157* EE, last edition of RCJWC. (Heimke 11/2) "As It Happens" pfm. (Carter 11/5, Conrad 11/2+)
- 6090 LUXEMBOURG R. Luxembourg; 0005-0040 EE, DJ type show, rock mx, ads, ID's. (Schwartz 10/20, Conrad 10/31, Conover 10/12)
 6090 NIGERIA RTV Kaduna; 2103-2131 EE nx followed by lengthy discussion. (Moritz 10/13, Petravick)
- 6090 USSR Irkutsk; 1245-1315 RR, nx and mx. (Hohnstein 10/31)
 6090 AUSTRALIA ABC Sydney; 0730-0750 EE, sports nx. (Conrad 10/31)
 6095 ECUADOR HCJB; 0300-0420 EE, rel pfm. Must have left 5970 as not heard. (Thompson, Earhart 11/9, Mitchell 11/6) //Noonan 11/6)
- 6095 COLOMBIA LV del Centro; 0300 SS, hrd briefly before HCJB s/on.
 6095 SPANISH SAHARA R. Sahara; 2052-2059 W with tlk and many mentions of El Aaiun, Morocco, etc. (Petravick 11/3) //Conover)
- 6100 MALTA DW; 0130-0140 EE, ID, country, QRM from YVTO. (Mitchell,
 6100 SPAIN RNE; 2102 FF pfm, under jammer, 2126 QRM Dw. (Behr)
 6105 COLOMBIA LV del Llano; 1147 SS mx, ID at 1150. (Petravick)
 6105 NEW ZEALAND RNZ; *0500-0745 EE, wx, stockmarket rpt, sports, S/on hour earlier due to Summer Time in NZ. (Kreis 10/31, Fadula 10/26)
- 6105 BRAZIL Ceara R. Clube; 0140-0200 FF, Brazilian mx, ID. (Behr 11/3)
 6105 MEXICO Su Pantera; 1210-1242 SS, lots of ads, ID's, mx. (DenHartog)
 6110 PHILIPPINES VOA Poroc; *1059 EE, IS, ID. (Jones 10/17)

- 6115 CONGO RTVC; 2152-2302* PF, Afr mx, alt with tlks by and probably political. Off with NA. (Moritz 10/10) 0430-0600 PF, Afr mx, ID, and mx. (Cassista 11/8)
- 6120 ARGENTINA R. El Mundo; 0602-0926 SS, nx and mx. (Behr, Yajko)
- 6120 VENEZUELA R. Anpostura; 1020-1033 SS, ID, ads. (DenHartog 11/8)
- 6121 COLOMBIA R. Super de Cali; 0550-0630 SS, lively LA mx and frequent ID's. This is a new station. (Tuchscherer 11/9)
- 6130 GHANA R. Ghana; 2102-2301* EE, old US pops, Afr mx, nx and EE ID. (Conrad 10/29, Moritz 10/10)
- 6135 SWITZERLAND SBC; *0145-0215 EE, IS, ID by A, nx and cmntry and old US pops. (Conover 10/12, Locher 10/20, Jordan 11/10)
- 6135 CHILE R. Univ. de Concepcion; 1000-1028 SS, ID and "Tanorama Informativa". (Jones 11/3, DenHartog 11/8)
- 6135 BRAZIL RTV Gaucha; 0855-0908 FF, ID and LA mx. (DenHartog 11/8)
- 6140 SPAIN RNE; 0125-0135 SS, orch mx, ID. (Askine 10/19)
- 6140 AUSTRALIA ABC Perth; 1303-1325 EE, national and local nx by A, then orch and piano selections. (Moritz 10/27)
- 6140nf FINLAND Helsinki; 0730-0800* EE to Europe. Ex-6145. In clear on Sun when on till 0830. (Fadula 10/25)
- 6145 ALGERIA RTVA; 2258-0002* AA, mx, dramatic pm, nx at 2300, ID and anthem at s/off. (Brooks)
- 6145.7 NIGERIA NBC Calabar; 2245-2306* EE, mx, tlk at 2300, ID at 2305 and off with anthem. (Hauser 10/13)
- 6150 IRIAN JAYA RRI Manokwari; 0805 Indo, ID and TC, then piano mx. Now hidden under Lyndhurst which s/on at 0715, ex 0815. (Fadula 10/16)
- 6150 HUNGARY R. Budapest; *0700 Turkish, Sunday service, ex 6040. Good level via LP to 0800+. (Fadula)
- 6150 COSTA RICA R. Atena; 0530 SS, LA mx, ads, ID. (Miller 11/2)
- 6155 HAITI R. Citadelle; 1044-1103 FF, pop mx and W anncr. (Jones 10/20)
- 6155 TOGO Lama-Kara; 2230 FF, lcl mx, tlk by W //5047 // 3223 not hrd. (Mayer 10/27) 1030 FF, tlk and mx (Zilmer 10/20) Bob, would guess you and Jack (see above) should get together and see which one of you missed the ID.HI.KCC.
- 6155M AUSTRIA ORF; 0030-0040 GG, cmntry, ID, disc. (Schwartz 10/21)
- 6155 JAPAN FEN; 0800 EE, ID, nx. (W. Smith-CA 10/22)
- 6160 CANADA CKZN; 1144-1303 EE, nx, cmntry. (Keeney 10/19, Moritz 10/27)
- 6160 COLOMBIA Em. Nueva Granada; 0654-0814 SS, many ID's, nx and much LA mx. (Den Hartog 11/8)
- 6160 UNID. AA speaker here, 2100-2200 and 0700-0800+. Believe it could be Algiers, Kabyle svc, but blocked by VOA-Woff in 0700-0800 time period. (Fadula 10/13)
- 6165 NETH. ANTILLES RN Bonaire; 0056-0140 Dutch, IS, pop mx, tlk and ID. (Hauser 10/16, Askine 10/19) *0200 EE, nx, mx. (Fino 11/7)
- 6170 COLOMBIA LV del Selva; 1140 SS, ID, ads, typical LA mx. (Miller)
- 6175 USSR RB; 2102-2141 EE, nx and cmntry to Britain. (Hauser, W. Smith)
- 6175nf SWITZERLAND SBC; 0430-0500* EE prm //6045 stronger. (Behr)
- 6180 VENEZUELA R. Turismo; 1030-1100 SS, ID, mx, s/on Sundays at 1051 with Choral NA. (Jones 11/9, Anderson 11/1)
- 6180 GUATEMALA R. Nacional; 1117 SS, singing ID, marimba mx. (Jones)
- 6185 HONDURAS R. Swan; 0557-0941 SS, TC, mx, nx, ID's. (Young 10/22, Jones 10/16, Hauser 10/27) 0505 SS tlks, drifting to 6184.3 (Behr)
- 6190 NETH. ANTILLES TWR; 0345 EE, ID and into RR. NP? (Jones 11/8)
- 6195 CHILE R. Nacional de Chile; 0930 SS, lcl mx and tlks. (Hohnstein)
- 6197.2 CLANDESTINE R. Fathet Lao; 1300 Lao tlk and mx //7481. (Behr 10/27) 1055-1101, Asian vocals, tlk by M, EE ID at 1100, and then into nx in presumed Lao. Vy Strong. (Shingler 11/9 6.200)
- 6200 ALBANIA R. Tirana *0330-0358* EE to NA, nx with E&W anncr, cmntry. (Carter 11/10, Mitchell 10/31) 0130 EE nx. (Jordan 11/10)
- 6235 PAKISTAN Karachi; 0054 SC mx; 0114 tlk by W in likely Urdu; 0115 into more SC mx. Good level. (Szt 10/28)
- 6252A UNID. 1030-1054 Station played all pop tunes including: "I was too Late, Bismark, New Orleans, Chattanooga Choo-Choo, Tijuana Taxi, Talking About A Move, and She's A Woman". Only anncmts heard were at 1031 and 1051 in EE. The 200 watt ABC Europe, as mentioned in the last NASWA bulletin, seems to be scheduled during this time slot, while the rest of the European stations on or near this frequency are sched. to s/on at 1100. Faded out at 1054. Any help from DSWG1, European DXer Campbell, or any other source would be appreciated. (Barto 11/2)
- 6255 AUSTRIA Austrian Army Radio; 1140 GG, nx features. (Rootten 10/10)
- 6290 CHINA RF; 1200-1222 EE, cmntry by W, nx. (Moritz 10/13, Jones 11/11)
- 6344.3 (T) S. KOREA Echo of Hope; 1420-1505 KK(?) , E&W anncrs, vocal mx by W, martial mx and possible ID by W at 1429. Het from utility on 6347.3H with tfe. (Hardester 11/7)
- 6348 S. KOREA R. Echo of Hope; 1330 KK tlk and mx. (Behr 10/27)

- 6340 TURKEY Turkish Police radio; 1415-1400* Turkish, pop Turkish mx, announcements about Ankara, several ID's. (Wooten 10/10) Out of Order.
- 6580 BULGARIA R. Sofia; 2131 EE, mx. (Conover 10/27) I doubt it Jack. Sure it wasn't image or rcvr problem? KCC.
- 6870 MAZAKH Alma Ata; 0000-0015 RR, H tlkins in RR, cl mx, nx//10530. Vy had ute RR. (Shingler 10/15)
- 6905.5 CHINA RR; 2320-2325 RR, H tlkins very emphatic, audio distorted; 2321 mx in "revolutionary" style, 2324 brief tlk by W, then "Jo Svidanya" followed by "Internationale" and off abruptly. (Sztol 11/9)
- 7040.5 UNID. A weak oriental male voice at 1530. Probably China as also hrd possible // on 4110, listed as in Sinkiang Province. (Shaw 11/2)
- 7060 CHINA RF; 1000 CC tlks. (Hohnstein 11/12)
- 7065 ALBANIA R. Tirana; 0020-0028* EE, mx, ID, IS. (Ware 10/21)
- 7085 PAKISTAN RF; 2030-2146* EE, lcl nx by W, lcl mx, and some US pops. off with Anthem. (Mayer 10/27, Lovett)
- 7095 CHINA RF; *0000 FF, nx and tlks. (Anderson 10/13)
- 7095t PAKISTAN Karachi; 0040-0055 chants, W in lang, hrd occasionally through QRM. Vy T. (Shingler 10/27)
- 7100 USSR RM; 0315 EE, DX pm. (Talbot 10/24)
- 7105 SPAIN RNE; 1150 SS, PP lessons. (Wooten 10/10)
- 7105 ASCENSION I BBC; 0340-0405 EE, vocals, orch mx, nx. (Thompson 10/30)
- 7105 MONACO TWR; 0730 EE, rel pm. (Heimke)
- 7105 USSR RM; 0108-0115 EE, cntry and nx. (Aston 11/6, Conover 11/2)
- 7110 JAVA RRI Yogyakarta; 1130-1137 EE, soft mx, ID and into local nx. (Jones 10/31, W. Smith-CA 10/22)
- 7115 UNID. 0520 with what sounded like nx followed by mx pm. QRM from BBC and hams. (Dunn 10/21) Possibly Zaire? KCC.
- 7120 ALBANIA R. Tirana; 0335 EE, tlk about collectivism. (Talbot 10/24)
- 7120 UNID. 1530-1545 in unknown lang, H anncr, chanting and Afr type mx and drums, H vocal mx. (Hardester 10/29) Somalia reported here by Willis last month. KCC.
- 7123 UNID. 1530-1600 weak audio getting 7120, gone by 1600. No real pm details. (Hardester 10/29)
- 7125t UNID. Afr station noted 0200-0310 FF, ID at 0200 "Radiodiffusion de la Republic.....", many mentions of Angola, independence, lortural, etc. During 0200 nx, fast drum mx played between nx items. From 0227 to 0310 f/o continuous mx played, mostly pop and traditional Afr mx. ID at 0225 as "La Voix de la Revolution". Suspect Conakry as only Afr on at that time in FF usin' "Revolution" ID per ARTH. Freq is approx. Any help? (Slaff 11/6)
- 7143.1 ALGERIA Vox de la Resistencia; 2345-0000* tlks at 2345 mentioning "comunista", "escudos", 2357 ending, and giving a 21 MHz/13m // for tomorrow's return at "7:30". CW QRM. 310 322. (Hauser 10/13)
- 7145 SARAWAK R.S.; 1148-1220 Malay, choral mx, church bells. (W. Smith)
- 7145t LAOS N.H.; 1221-1310 Lao/FF, nx by W, broken u. occasionally by anthem, 1306 into oriental type mx after probable ID. (Corson 11/6,7)
- 7150 USSR RM; 2300-2318 EE, nx, cntry. // 7140, 7200. (McCarthy) 0430 EE, nx, cntry and nx. (Talbot 10/24)
- 7150 HUNGARY R. Budapest; 2125 EE, IS, ID and EE nx // 7220. (Zilmer)
- 7165 RYUKYU IS. VOA Okinawa; 1100-1151 EE, nx, mx. (McCarthy, Keeney)
- 7165 ETHIOPIA BTLF; *0330 IS, ID in EE, Swahili rel pm. (Conover)
- 7170 NEW CALEDONIA R. Noumea; 0730-1100 FF, pop mx, tlks, and off at 1100 with "La Marseillaise". (Anderson 10/15, W. Smith-CA 10/20)
- 7173 IRIAN JAYA RRI Jayapura; 0300-0330+ Indo. First noted 10/16, ex usual 7165/7190, possibly transmitter drift. (Iadula)
- 7175 LIBERIA VOA Monrovia; *0300 EE to Afr, via LF and f/o at 0330. Is unscheduled freq, ex 7195. (Iadula 10/18)
- 7190 YEMEN DEM. REP. Aden; 2200* AA, tlk & mx. (Hohnstein 11/7) 0305 AA, chants by M. (Miller 11/8)
- 7200 SUDAN R. Omdurman; 1950-2035 AA, chants, loor. (Retravick)
- 7200 USSR Yakutsk; 1350-1400 RR, Yakut mx, IS, ID. (Mitchell 10/14)
- 7205nf USSR R. Kiev; 0029-0040 EE, IS after RM's/off and then H anncr gave ID followed by discussion and mx. (Earhart 11/11)/Anderson
- 7205 UNID. 2340 singing in lang, anthem at 2343*, carrier off at 2345.
- 7205 PHILIPPINES VOA Para; 1545-1600* unknown lang, M&W with disc on Pres Sudat, ID and IS at s/off. (Hardester 10/30) /Sparky 11/11
- 7210 HUNGARY R. Budapest; 0355 EE, W anncr gave pm sched & freq for NAS.
- 7210 AUSTRALIA RA; *1030 with IS, into Tamaril. (Anderson 11/8)
- 7210 NETHERLANDS RM; 0845 Dutch, Rock pm, nx on the hour. (Wooten)
- 7214.5 IVORY COAST RTVI; 2300+ FF, native singing. (Whitacre 10/17)
- 7215 BRUNEI R. Brunei; 1159 EE, pips, 3 notes on chimes, ID. (W. Smith) 1206 Lang, H chorus singing rousing songs. (T) Miller 11/9
- 7220 HUNGARY R. Budapest; 0156 giving complete EE sched. Not on sched and anncd 6115. (Hauser 10/24)

- 7220 AUSTRALIA RA; 1140-1155 EE, mx on Papsu svc. (Blossom 10/20)
- 7225 TUNISIA RTVT; 2130-2330* AA, mx, tlk, nx and chants to s/off at 2330 with ID and anthem. Is Not Iraq or Egypt. (Behr 10/24, Whitacre)
- 7225 RWANDA DW Kigali; *0330-0445 EE/FF/Swahili, tlks, native mx, vocals IS, ID. (Conover 10/19, Thompson 11/1)
- 7225 PHILIPPINES PEBC; 1107-1245 JJ/lang, pop mx, ID, rel pgm with W, tlks. (M. Smith 10/2, Dunn 10/26, Keeney 10/24, Miller 11/2)
- 7235 MONACO TWR; *1105 GG, rel pgm, ID in EE. (Wootten 10/10)
- 7245 USSR RM; 1148-1203 CC, M&W tking, mx, IS. Jammed. (M. Smith 11/1)
- 7245 ANGOLA Emisora Oficial; 2330-2340 PP, Afr mx, annmnts. (Padula)
- 7270 SOUTH AFRICA RSA; 0258-0415 EE, nx, mx, ID's. (5 reporters)
- 7270M GREECE VOA Kavala; 0259 EE ID, pgm for ME. (Schwartz)
- 7275 NIGERIA VON Lagos; 0600-0639 EE, "Music Nigeria" pgm, nx, and ID's. (Moritz 10/25, Harrington 10/26, Dunn 10/26)
- 7275 GREECE VOA Kavala; 0159-0205 EE ID followed by Urdu nx. (Moritz)
- 7275 ITALY RAI; 0432 EE, nx about Sahara. (Dunn 10/21)
- 7280 LIBERIA VOA Monrovia; 0300-0345 EE, ID, nx, cmntry. (Thompson 11/1)
- 7285 POLAND R. Poland; 2237-2251 EE, nx, pop mx. (McCarthy)
- 7285M JAPAN NHK; 1210-1230 JJ, mx, annmnts. (Schwartz 10/25)
- 7300 ALBANIA R. Tirana; 0000-0135 Albanian, mx, ID, tlks. Into SS pgm at 0055. (Pino 10/30)
- 7310 USSR RM; 2340-0000 SS, nx by M&W, cmntry. (Pino 10/30)
- 7320 ISRAEL IBA; 2200-2258* FF pgm //7395, 9009, 9820. (Behr)
- 7335N USSR RM; 2330-0145 SS to LA over CHU. (Magne)
- 7345 CZECHOSLOVAKIA R. Prague; 0130-0342 EE, tlks, mailbag pgm, cmntry, ID's. (Pino 10/28, Schwartz 10/23, Helmke, Conover 10/21)
- 7355 USSR RM; 0330 EE, nx, cmntry and mx. (Aston 10/26)
- 7360 USSR RM; 2141 EE to Britain giving complete sched //6175. (Hauser)
- 7375 VIETNAM Hanoi; 1255-1300 VV, tlks by M&W. (Shingler 10/24)
- 7390 USSR RM; *2100-2212 EE, nx, cmntry, ID's. (Aston 10/18, Hoffman)
- 7395 ISRAEL IBA; 0510-1515 EE/FF, nx and tlks. (Lovett, Aston 10/25)
- 7400 USSR R. Kiev; 0305-0330 EE, nx, tlk, freq's before s/off. (Aston)
- 7412.5 ISRAEL IBA; *2000-2055* EE, *2200-2255* FF, both to ECNA, plus *0500-0530* EE/FF to WCNA. Exc at 2000, Foor 0500. (Magne 11/2, Zilmer 11/8)
- 7440 USSR RM; 0200 EE, NAS now on different winter freq sched; noted // 7355, 7205, 7105, 5940, 11860, 12050. (Hauser 10/25)
- 7462.5 ISRAEL IBA; *0400(*0500Sat) and 1800-2305* HH HS relay. (Magne 11/2)
- 7500 AUSTRALIA VNG; 1250-1300 EE, usual VNG format. (Jordan 11/6)
- 7504.5 (T) CHINA RP; 2210 CC, tlks by W. (Lovett)
- 8850A UNID. 0258-0315 SS, mx, chimes, nx and ID. Harmonic? (Mitchell 10/16)
- 9022 IRAN VOI; 2000-2030 EE, 2325-0030 Farsi, 0307 Lang, nx, local mx, chanting, ID's. (7 reporters)
- 9030 CHINA RP; 2348 SS svc with CC mx. //7010. (Szot)
- 9290 CHINA RP; 0122 EE, CC mx. (Yajko 10/19)
- 9390t CHINA RP; 1625-1628* FF, orch mx, off with "internationale". (Askine)
- 9450 USSR RM; 0230 SS, special IS, opening SS for Chile//9490. (Hauser)
- 9460 PAKISTAN RP; 1300-1332 EE, nx, comment, mx. (Zilmer 11/8, Blossom)
- 9470 CHINA RP; 0400-0430 EE, IS, ID, nx, cmntry. (Thompson 10/31)
- 9475 EGYPT R. Cairo; 0208-0315 EE, nx, cmntry, mx, ID. (5 reporters)
- 9490 USSR RM; 1245-1301 RR, opera mx, tlk by M&W. (M. Smith 11/1) *0400-0407 SS, Heard RF&F IS, and assume pgm to LA. (Earhart 10/21)
- 9500 USSR Magadan; 0500 "Covorit Anadyr" and RR songs. (Behr 11/1)
- 9505 USSR RM; 0139 EE, long anned this (as "9.50") but may not have been on, as not noticed until 10/18, opening at 0130; had polar flutter, unlike//9530...NAS. (Hauser)
- 9505 DOM. REP. RTV Dominicana; 2349-0030 SS, usual LA mx, ID's, tlks, nx. (Conover 10/9, Askine 10/12, Anderson)
- 9515 SOUTH AFRICA RSA; 2220-2310 EE, NAS. (Earhart 10/20, Walcutt 10/18, Hauser 10/15) 0300-0357 EE, nx, pop mx. (Conover 10/21)
- 9515 TURKEY VOI; 2200-2330 EE, US type pop mx, nx and press review, ID, and IS. (6 reporters) (Behr 11/3)
- 9515 MEXICO LV de la America Latina; 2230 SS, tlks and ID to 0011*.
- 9520 NEW ZEALAND RNZ; *0800 nx to Australia. (Walcutt 11/7, Jones 10/22)
- 9520 PAPUA NBC Fort Moresby; 0759 EE s/off. (Walcutt 11/7)
- 9520 SPAIN RNE; 0130 SS, nx and mx. (Conover 10/14)
- 9520 UNID. No ID, apparent tests, SS, LA mx, short rel tlks. Came and went, on and off. Strong level. (Askine 10/13) Time?
- 9520t USSR RF&F; 1430-1500 EE, RM IS after pgm ended, but no RM EE pgm shown in WRTH, so maybe F&F? (Ravenhorst 10/25)
- 9525 SOUTH AFRICA RSA; 2221 IS, back here after several days on 9515. At 2319 still announcing 9515. Also 0254 on 10/28. (Hauser 10/27)
- 9525 INDIA AIR; 2224-2230* EE, cmntry, vy Foor. (Locher 10/24)
- 9530 USSR RM; 2300-2310 EE, nx read by W. (Aston 10/6)
- 9530 CHINA RP; 0101-0110 CC, nx read by M. (Shingler)

- 9535 SINGAPORE R. Singapore; 1625-1630* CC, CC style mx, probable ID at 1629, then short mx number - maybe NA. (Earhart-CA 10/27)
- 9535 ANGOLA Emissora Oficial; 2345-02004 IF, Independence ceremonies, many tlks re future of Angola, fireworks, crowds singing, many TC's with "La Republica Popular do Angola" announcements. RCI knocked out from 0000 to 0058. (McNeill 11/10, Lovett 11/10) Contrats on being Johnny-on-the-spot fellows. Depending on what happens politically, that tape you have may be newsworthy in a few years Pitt.KCC.
- 9540 NEW ZEALAND RNZ; 0545-0744*(0850* also rctd) EE, sports call, pop mx, ID's, freq's. Now seems to be 2 hours earlier (as of 10/27) with s/on as we ro off DST and they go on. //6105. (6 reporters)
- 9540 UZBEK R. Tashkent; 1332 IS & Urdu prgm //9600. (Behr 11/2)
- 9540 ARMENIA R. Yerevan; 0330* EE, didn't hear complete sched, but believe Tue, Thurs, Sat. (Larson 10/22) /10/25)
- 9540 USSR RM; 0500 EE, //9580 poor mod//9610 weak//7300,7260.(Hauser)
- 9540 POLAND R. Warsaw; *1200 EE, nx to Euro. (Zilmer 10/29) 1623 EE, tk, Freq, QTH, IS. (Noonan 10/26) 2058 EE, IS into GG. (Yajko)
- 9540 CZECHOSLOVAKIA R. Prague; 0140 EE, "letters from Listener's prgm. (Conover 10/21) /McCarthy)
- 9545 LEBANON R. Lebanon; 0233-0300 EE, nx, mx prgm, anned freq of 9675.
- 9552nf CHINA RF; 2300-2356* SS prgm //9030 weaker. (Behr)
- 9555 KUWAIT R. Kuwait; 1730 EE nx, 1749 pop mx, 1830 under jammer. (Behr)
- 9560 JORDAN R. Jordan; 1600-1730* EE, nx by 4, pop mx, ID. (Wayer 10/26, Dunn 10/9, Tuchscherer 10/26)
- 9560nf LIBERIA ELWA; 1940-1945* Swahili, rel prgm, SF ID, IS. (Wayer 10/19)
- 9560 ECUADOR HCJB; 0608 EE, discussion of station operation. (Miller)
- 9562 PERU R. Nacional; 0145 SS, 1cl mx. (Hohnstein 11/2)
- 9566 CHILE La Voz de Chile; 0130 EE, then into SS tlks. (Hohnstein 11/2)
- 9570 ROMANIA R. Bucharest; 0215-0230* EE, cntry on sports, ID and IS at s/off. (Mitchell 10/17, Conover 10/19, McCarthy)
- 9570 AUSTRALIA RA; 0717 EE, folk songs, stories. (Dunn 10/9, Walcutt)
- 9570 BERN. ANTILLES WIR; 0815 IF, NA JR. (Walcutt 11/7)
- 9570 SWITZERLAND SBC; 2257-2300 IF, tuning s/r, IF at 2300. (Walcutt)
- 9570 HUNGARY R. Budapest; 2257-2300 SS, tuning s/r, into SS. (Walcutt)
- 9570 USSR RM; 1939 EE to Afr' quoting Pravda ed. Net, flutter. (Hauser)
- 9570 JAPAN JRS; 1257-1331 AA, native mx, nx by R, cntry by USA, and mx interludes past 1331. poor. (Whitacre 11/1)
- 9575 ITALY RAI; 2308-0006 II, mx, tlks. (Conover) 0100-0121* EE, nx and mx. (Mitchell 10/20, Locher 10/23)
- 9575 USSR RM; 1830 EE to Afr, 1900 IF, 1930 EE //1205. (Behr)
- 9575 UNIT. 2022 Y in Cand soundings; late to 2030* with possible NA. May-be Greenland? (Keeney 10/25)
- 9576 EL SALVADOR R. Comercial; 1505 SS, tk by W, then mx. (Keeney 11/2)
- 9579 PHILIPPINES VOP; 0800 EE, nx, ID, sports. (W. Smith-CA 10/20)
- 9580 CANADA CBC; 1655 added new transmission 10/25 when standard time returned; perhaps experimental, via Sackville due to "sound" and operating characteristics; not shown in Nov London Callinr. mixes badly with SFE wayak xmtr 9580. Many other 31 m freq's would be clearer, ex 9600, 9640. Seems in add to 15365. (Hauser 10/26,27)
- 9580 AUSTRALIA RA; 1115-1245* EE, DX prgm, mx, nx. (Schwartz 10/15, Sarc, /Thompson)
- 9585 SOUTH AFRICA RSA; 2240-2320 EE, nx and cntry. (Locher, Walcutt,
- 9585 JAPAN R. Japan; 1200-1300 EE, nx and cntry. (Jones 10/26, Anderson)
- 9585.5 SOMALI R. Moradishu; 1845-2102* Somali, AA mx, tlks, nx, off with ID and NA. (Brooks, Pitts 11/1, Blossom 11/4, Lovett)
- 9590 NORWAY R. Norway; 1300 MN, tk. (Zilmer 11/2)
- 9590 SWITZERLAND SBC; 0700-0730 EE, nx prgm. (Walcutt 11/2, Dunn 10/9)
- 9590 CHILE R. Presidente Balmaceda; 0058-0155 SS, jingles, light pops, many annmnts, TC's, and knocked out at 0155 R/ Bonaire. (Walcutt)
- 9593.5 BRAZIL R. Cultura da Bahia; 0013-0100 IF, ballads plus numbers with that "squeaky" violin in orch. (Earhart 10/12, Conover 10/12)
- 9595 JAPAN NCB; 0615-0630 JU, tlks, ended with annr tkins vy rapidly like announcing horse race or something. (Earhart-CA 11/2)
- 9600 S. KOREA R. Korea; 0900-0930 EE //9640 and 11950. (Fadula 10/23)
- 9605 VATICAN Vatican Radio; 0100-0115 EE, rel tlks. (Yajko, Askine)
- 9605 SWEDEN R. Sweden; *2300-2327 EE, pop mx prgm. (Hoffman 10/16)
- 9605.5 BOLIVIA R. Hiral; 1030-1040 SS, LA mx, ID, tlks. (Tuchscherer)
- 9610 AUSTRALIA ABC Perth; 1230-1245 EE, racing nx, pop mx. (Askine)
- 9610 USSR R. Kiev; 0305-0328* EE, nx, cntry. (McCarthy)
- 9615 PORUGCCO RTVM; 0505 AA, ID "Huna Rabat", into short tk, and then AA mx. (Snot 11/11) /Locher)
- 9620 YUGOSLAVIA R. Belgrade; 2203-2214 EE, nx. (Yajko 10/19, McCarthy)
- 9625 CANADA CBC NS; 1530-1700, 2130 EE, nx, ID, features. (5 reporters)
- 9630 SPAIN RNE; 0055-0130 SS, IS, ID, TC, vocals, orch mx. Transmission for Mexico, Cuba, and Central America. (Thompson 10/23)

- 9635 BRAZIL R. Aparecida; 0005-0220 FF, ID with chimes, Brazilian mx, some EE rock. (5 reporters)
- 9640 S. KOREA R. Korea; 0635-0650 EE, mx, report on Pres. Park, ID. (Ravenhorst 11/4) 0900 EE, ID, sched & freq, nx. (W. Smith-CA 10/20)
- 9645 COSTA RICA Faro de Caribe; 1200 SS, ID, tlk, mx//6175. (Zilmer)
- 9660 VENEZUELA R. Rumbos; 0455-0505* SS, nx, many ID's, gave freq's, then NA and off. Very Strong. (Earhart 11/7)
- 9660 AUSTRALIA ABC Brisbane; 0857 EE, wx. (Walcutt 11/2)
- 9675 PERU R. Del Pacifico; 2200 SS, easy listening mx, ads. (Walcutt)
- 9675 POLAND R. Warsaw; *0000 Polish, trumpet solo IS, followed by ID by W. QRM de RCI. (Slaff 10/27)
- 9685 BRAZIL R. Gazeta; 0458 FF, ID with all freq's, after rel pgm. Very poor reception. (Hauser 10/26)
- 9690 ARGENTINA RAE; 0050-0110 SS/PP, cl mx, several ID's, nx. (Earhart) 0310-0355 EE/SS, "Argentina 75" pgm, mx. (Sparky, Fino, Horwath)
- 9690 ROMANIA R. Bucharest; 2010-2104 EE, nx, DX pgm. (Slaff, Lausevich) 1300-1325 EE, mailbag pgm, rock mx, sports, DX pgm, cmntry. (Zilmer, Hauser 10/14, DenHartog 11/6)
- 9690 CHILE La Voz de Chile; 0225-0240 EE to SS at 0230. (Lausevich 10/20)
- 9695 BRAZIL R. Rio Mar; 2350-2355 PP, jingles, ID, ads, tlk. (Walcutt)
- 9700 BULGARIA R. Sofia; 2315 FF, tlks by W. (Slaff) 0000-0015 EE, nx cmntry. (Mitchell 10/17)
- 9700 RWANDA DW Kigali; 0151* FF, ID, IS and NA. (Conover 10/27)
- 9705 INDIA AIR; 1145-1200 unknown lang, 1cl mx (almost Tibetan) (Mayer) *1230 lang, IS, ID, then into tlk. (Zilmer 10/26)
- 9709.1 UNID. 0100 SS, plugging Loteria Nacional, may have mentioned figure in Soles (Peru) but also mentioned Argentina. (Hauser 10/25)
- 9710 KIRGHIZ Frunze; IS at 2000, into FF(?). This reported being confmd from FF section of RM. Before I die I sure would like Tbilisi, Dushanbe, and PRUNZE!!! (Verified, that is!) (Young)
- 9715 KUWAIT R. Kuwait; 1630 AA mx & tlk to 1800*, again *1830. (Behr)
- 9720 SRI LANKA SLBC; 1456-1600 EE. BBC nx, DJ type pgm of pops, and very complete annmnts. (Whitacre 11/1, Behr, Ravenhorst 10/25), 1900-2000 EE to Euro, nx, mx, much flutter. (Conrad 10/30) *0027-0145 EE, TC, upbeat mx, easy listening mx. (Walcutt 10/19, Conover)
- 9725 SWITZERLAND SBC; 0145 EE, nx, dateline//11715, 5965. (Zilmer 10/29)
- 9730 UGANDA UBC; 2000-2100* Vern/EE, Afr mx, pops, lots of ID's with QTH, freq's, etc. 2030 EE ID and into nx pgm with annrc given as Georgie Johnson (?), followed by rock mx until s/off at 2100 when freq's, power, trans sched, etc. given as Sun, Monday, Wed, and Friday. Also heard 1915-1942 FF, 1942-2030 AA. (14 reporters)
- 9730 BELGIUM RTB; 0040 EE, chamber mx. (Schwartz, Walcutt)
- 9730 E. GERMANY RBI; *0100 EE, IS, ID, then nx, editorial. (Anderson)
- 9740 MALAYSIA BBC Tebrau; 1123-1500 EE, tlks, drama, report from Alstair Cooke, Forum. (Conrad 10/29, Miller 11/2, Moritz 11/2)
- 9745 IRAQ R. Baghdad; 2000-2015* EE, ID by W, pop mx, nx, off with military style anthem. (Conrad 10/27, Ravenhorst 10/25, Heimke) 2019 anthem, 2020 chirps, into GG. (Hauser 10/15) 2134 FF, mx. (Walcutt)
- 9745nf SAUDI ARABIA BSKSA; *0500 with AA svc, exec level. (padula 11/8)
- 9750 ALBANIA R. Tirana; 0100 SS, IS anthem. (Askine 10/12)
- 9755 BELGIUM RTB; 2215-2315* FF to 2245, then EE jazz pgm, tlk about Belgium's museums till 2315 s/off. (Conover, Walcutt, Ravenhorst)
- 9755nf NETH. ANTILLES TWR; 0455 evangelical Arabic, 0459 ID. (Hauser 10/14)
- 9755 MALTA R. mediterraine not heard and believed not on the air Sat 10/25; no replacement channel found on 7.9, 11 MHz; possibly re-timed an hour later due to standard time in Britain, but not found there either. AWR had feared cessation by year end due to fund shortage. (Hauser 10/18) AWR 2100 EE, ID and rel pgm. (Zilmer 10/18) R. Malta *2045-2100* EE, nx and wx. (Ravenhorst 10/11) IBRA *2100-2116* EE, gospel recordings, ID, QTH, and off. (Ravenhorst 10/11)
- 9765 SWEDEN R. Sweden; 1400 EE, 1430 Swedish. (Behr 11/2)
- 9765 W. GERMANY DW; 2125 EE, medical tlk. (Zilmer 10/18)
- 9770 AUSTRIA ORF; 0130-0200 EE, nx, Austrian mx, letterbox pgm, and IS. (Jones 10/19, Locher 10/20, Mitchell 10/23)
- 9770 AUSTRALIA RA; 1155-1215 EE, pop mx, ID, nx. (Earhart, Askine)
- 9770 HAITI 4VEH; 1900-2000 EE, rel pgm, slight QRM. (Conrad 11/9)
- 9775 USSR RM; 1600 EE to SEA // 9745; what sites? (Behr)
- 9780 CHINA RF; 0100 EE, fair. (Alder 10/20) Sure it wasn't RF-Albania? KC.
- 9780 USSR RM; 0212 EE, NAS good // 11860; see 9800. (Hauser 10/27)
- 9780 ALBANIA RF Tirana; 0035-0115 EE, midast mx, nx. (Askine, Conover)
- 9795 USSR RP&F; 0157-0210 SS, mx, clear ID & IS, then tlk. (Earhart)
- 9800 USSR RM; 0009 EE, NAS poor // 15140, not on annrc 9780, but showed there later. (Hauser 10/27)
- 9805 EGYPT R. Cairo; 2205-2215, EE nx. (Locher 10/24)
- 9815 ISRAEL IEA; 2015-2055* EE, nx, cmntry, mx. (5 reporters)

- 9820 ISRAEL IBA; 2216-2300* FF, discussion pgm, mx, closing annmnts, and anthem. (Pitts 10/25)
- 9820 N. KOREA R. Iyonryang; 0740-0750 EE, W anncr, propoganda pgm, fave freq's, ID, said "Goodbye" and left the air after mx. Also heard 1430-1435 in French. (Earhart-CA 10/28)
- 9833 HUNGARY R. Budapest; *0158 EE, IS, ID, nx. (Conover 10/24, Askine)
- 9840 AZERBAIDJAN R. Baku; 1916-1930 Turkish, lcl mx with flute, tkl by M. poor under ute. (Mayer 10/19)
- 9912 INDIA AIR; 2036-2200 EE, nx, Indian mx, ID. (5 reporters)
- 9959.5 CLANDESTINE Voice of Free Yemeni South; 1910-1925 AA, with AA type singing, down from former 9962. Poor. (Magne 10/25)
- 9996 USSR RWM; time station (yea, I know it ain't SWBC, but the code is so slow and sloppy, anyone can read it!) CW ID at 1110. (Young 10/21)
- 10000 UZBEK Tashkent time station; 1049 ID. See comments above. (Young)
- 10040 N. VIETNAM Hanoi; 1005 EE, nx, cmntry. (W. Smith-CA 10/22) 1800-1830 EE, nx, mx, cmntry. (Mitchell 10/13)
- 10110 CLANDESTINE R. Espana Independiente; 2252-2355* SS, tlks, mx, M&W anncrs, chimes on the hour, jamming. (Ravenhorst 11/2)
- 10530 KAZAKHSTAN R. Alma Ata; 1335 church-like orcan mx, Kazakh dramatic dialog, perhaps s soap opera. (Hauser 10/22) 0100 RR (Larson 10/19)
- 11535 N. KOREA R. Iyonryang; 1224 KK, KK mx, tkl by W. (Yajko 10/19)

That's it for this month. Swamped with reports again, with almost 70. I tried a new typewriter this month, so let me know how you like the readability as versus the elite type I've been using. Lot's of new reporters so maybe this is a good time to review some reporting rules:

- + Don't report everything you hear. Some people send in 40-50 items, which if everybody did, I'd still be trying to find my way out of the confetti. Report your BEST items, and if something is reported month after month, especially from your area - DON'T report it. Too many people are sending in the same items every month.
- + Put your name after every item, and don't use initials, as when I cut the items into strips, I can't remember TS from TB:hi!
- + Amplify your program details. Too many people put time and language and nothing else, which isn't very helpful plus its dull reading.
- + Observe the deadline of the 15th. I'm still getting reports mailed on the 15th. If you live on the coasts allow 4 days, and even Chicago mail takes 2 days. Late reports will in most cases NOT be used.
- + Leave sufficient space between items, and Santa will be especially good to everyone who cuts the items apart. To those who send 7 pages not cut apart...a vial of Mississippi river water.

I appreciate the support I've been getting from everyone, and if the above rules are followed we go on to bigger and better things. Keep up the good work for without your lossings there is no LRB. I hope you all had a good Thanksgiving, and that you have a good Holiday season. 73's. *set*

HELPING HAND: For Sale. One year old Zenith Transoceanic. Has BFO and manual RF gain. Excellent condition, was \$359.00 new, now \$225.00. Contact J.R. Shrader, 78 Fruit Hill, Chillicothe, OH 45601.

HELPING HAND: Wanted. Manual for SX-190. Write and state terms to R. A. Bettenhausen, 2323 Cruz, Rapid City, SD 57701.

HELPING HAND: For sale. SX-190 with speaker, manual, in original carton. \$175.00. Also, Patrolman10, \$75.00. Both like new. Contact Rick Cole, 601 1st Avenue, Oregon City, OR 97045 (503/655-5233).

HELPING HAND: For sale. Realistic DX-160 with speaker, 9 months old, mint condition. Contact Solomon Wilson, 8048 Rodney St., Philadelphia PA 19150.

Section C

Log

•Editor Sec. C: Andy Robins
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Report



NEW DEADLINE: 10th of the month. See page six of this column for other important announcements.

- 11520a PORTUGAL (?), PP mx & talks to 2300* w/"Internationale." Said location was "Republica Portugalas," F w/QRM (Anderson 10-19) Anyone else hear this? - ed.
- 11600 CHINA RP; 1010, 0215-0310 EE in former, SS in latter period, IDs, mx, propaganda, etc., VG (Dunn 10-26, Thompson 10-26)
- 11600t USSR RM; RR px 0710-0725 by W, class mx, F; don't think it was Peking as listed in WRTH (Earhart 10-28) Why not? - ed.
- 11645NF ISRAEL IBA; ex-11643, ex-11642, moving to avoid het/ute around 11641.25; an improvement in Central USA tho slight hide ute on 11648 which is the obstacle ECNA. This freq will probably be downgraded from full power for winter. Noted 2000 w/EE px (H'ser)
- 11655NF ISRAEL IBA; EE/FF to ECNA *1200-1300* now here //15100, 17815NF from 11-2, slight QRM de Peking-11650 (Magne)
- 11675 CHINA RP; 0000 EE to NA, IS, nx, etc. //11945, F (Noonan 10-16)
- 11690 AS USSR "R Yerevan," back on seasonal channel 10-23 w/EE px 0323-0327 summarizing preceeding Armenian prgm, including item about the American visit of the "Yerevan Polytechnic Institute chamber music outfit." Not hrd daily. (Hauser)
- 11695 CLAND (BULGARIA) R Peyk-e-Iran; 1625-1645 lang px by M & W w/short mx selections, long talks; my first clandestine (Aston)
- 11700 VATICAN VR; 1700-1715, -2100* EE rel px, nx, F (Askine, Aston)
- 11705NF JAPAN RJ; 2345-0045 EE to ECNA ex-15270, nx, poor frequency choice as usual, VP-P (Miller 11-4, Zilmer 11-2, Wala 11-9)
- 11705 VATICAN VR; 2215-2245 EE, beam to Philippines from 2230, rel nx, etc. (Fine 10-20)
- 11710 ARGENTINA RAE (LRA-35); SS px, mx 2115-2130, 2315-2330, IDs, etc, 2335-2350* EE to Europe, nx, features, F-G (Miller, Askine, Carter)
- 11710 ENGLAND VOA-Wofferton; 2150-2200* RR px causing het to Buenos Aires, P (Earhart 10-14)
- 11710 NEW CALEDONIA R Noumea; 0732-0802 FF talks, mx, much noise (Alder)
- 11710 FRANCE RFI; 1910 FF IDs, mx, etc. (Dulac 10-21)
- 11720 CUBA RHC; 2115-2120 EE "Voice of Vietnam" px (Ware 10-22)
- 11720NF USA KGEI; 0000-0200 SS px here ex-11905, strong (Padula-AUST 11-9)
- 11722 VATICAN VR; 0115 FF rel talks by M (Conover 10-23) Sure abt frq?
- 11725NF AUSTRALIA RA-Shepparton; now here 1800-2200 to Pacific Islands ex-11840, badly xed RFE (Padula-AUST 10-27)
- 11725 SPAIN RNE; 0940-1000 SS, apparent 0930 s/on, perhaps for SAM but needs further checking (Padula-AUST 11-7)
- 11730 MALAGASY REP RN-Talata; *2000-2120* EE to Europe (?? - ed.) TCs, IDs, nx, "Saturday Show," etc., F-VG (Noonan, Carter, Mitchell, Lochner, Anderson)
- 11730 NETHERLANDS RN-Lopik; 1700-1820* AA //11740, both F; are both via Lopik? (Behr) *2130 EE, nx, features, etc. to ECNA, G (Hoffman)
- 11732 YUGOSLAVIA RB; 0115-0129* SS, ID, talks, local mx (Conover 10-24)
- 11735 UNIDENTIFIED; AA px to 1159 then "musical" ID, time signal into IS and RR ID & nx by M & W, Poor (Earhart 10-14)
- 11740 ASCENSION IS BBC; 1630-1645* EE "News of the African World," talk (Mitchell 11-5)
- 11740 ECUADOR HCJB; 1230-1415 EE gospel px, IDs, nx, "Morning in the Mountains" px, etc., F (Askine 10-9, Earhart 11-8)
- 11745 ENGLAND (?) BBC; 0114 EE WS px, mx (Conover 10-29) Freq unlisted.
- 11750 MALAYSIA BBC-Tebrau; 1510-1520 EE WS, "Radio Newsreel," F (E'hart

- 11755NF FRANCE RFI; 1900 FF //11705, 11930 (Behr)
 11755 FINLAND RF; 1600 EE to Europe w/15 kW on 10-28; as of 11-7 the EE Svc. was terminated, so is in Finnish now (oops! only the 1600 EE b'cast is off; sorry - ed.)(Baker) Not often hrd - ed.
- 11760 PHILIPPINES VOA-Tinang; 2230 EE to E Asia/Pacific; additional freq (Padula 7-11)
- 11765 BRASIL R Tupi (ZYB-8); 0245 PP ID, talk (Yajko 10-30)
 11765 AS USSR RM; 0530 CC //11775, 11820; 0830-0900 NF for CC Service (Behr, Padula-AUST 11-7)
- 11770NF SWEDEN RS; *0900 RR to N Asia to 0930*, ex-15240 (Padula-AUST)
 11770 YEMEN (DEM REP) DYBS Aden; noted AA nx 1925, ID 1927 //5060, NF for this time period (Padula-AUST 10-27) Should be possible in the states at this time - ed.
- 11775 USSR RM; 0850-0900 CC //11765 xed SBC co-channel (Padula-AUST)
 11775NF AS WINB; 2000-2245* EE rel px ex-15185, VG (Robins, Padula)
 11780NF NEW ZEALAND RNZ; 0730 EE to Pacific ex-6105; sked 0500-0745 (Padula-AUST 11-7)
- 11785 BRASIL R Gualba (ZYU-61); 0246 PP nx (Yajko 10-30) Early 2300* on 11-7 (Earhart)
- 11790 VATICAN VR; 1505 IS, EE ID, rel nx (Askine 10-9)
 11790 JAVA VOI Jakarta; 1204 lang mx; 2330-0000 EE, features on history of Java, mx, "Love Ambon" theme, etc., F (Blossom 10-20, Mitchell)
- 11800 SRI LANKA SLBC; *1855-1940 EE to Europe; 0115-0200 Hindi Service w/sub-continental melodies, F (Padula-AUST, Dunn, Hauser 10-22)
- 11805T SPANISH SAHARA R Sahara; 1620-1635 AA under another stn, gave ID that was too much for my Western ears, P (Magne) 2134-2225 AA chanting under VOA till 2200; possible ID by M 2213; lost to R. Globo QRM 2225 (Corson 10-25)
- 11805NF USA WYFR; 2205 EE to Europe ex-11905 (Padula-AUST, Carter)
 11810 CHILE VOC; *0900 w/IDs in many langs into FF 0913 (Baker 10-12)
 11810 SEYCHELLES IS FRBA; 1631-1645* EE canned rel px, ID (Pitts)
 11815 BRASIL R Brasil Central (ZYW-24); 0250 PP talk (Yajko 10-30) Not often reported - ed.
- 11815 MONACO TWR-Monte Carlo; 1200 "Al Stewart's DX Special"(Conover)
 11820NF AS USSR RM; 0800-1000 EE to Australia, believe ex-11770; *0000 CC noted too (Padula-AUST 10-24)
- 11820NF NETH ANTILLES RN-Bonaire; *1640-1652* DD/EE //15190 (Behr)
 11825NF INDIA AIR GOS; 0100-0115* EE px, mx, Good (Behr 10-20)
 11830 ETHIOPIA ETLF; 1702-1720, 1950-2020 EE, nx, mx, rel px, IDs, etc. (Locher 10-30, Tuchscherer 11-11)
- 11835 URUGUAY R El Spectador (CXA-19); 0130 55 ads, IDs as "CX-14, El Spectador," F (Wala 11-11)
- 11840 E GERMANY RFI; 0410-0413 EE DX px (Dunn 10-15)
 11850 GHANA RG; 2045v* EE to NA, features, IDs ending w/"cheerio from Accra" and "tacky" revolutionary slogan, VG (Slaff 10-9, Fine)
- 11850NF S KOREA RK; 0500-0530 EE, -0600* lang px; 0905 EE nx //9640, Good, commtry by W etc. (Smith 10-20, Behr, Hardester 11-8)
- 11850 NORWAY RN; 0000 EE nx, "Norway This Week," P (Zilmer 10-27)
 11855 CANADA RCI; Last edition of RCISWC & Mailbag on 11-1, replaced by "Weekend Magazine" w/Ian McFarland and Cadmen as Producer/hosts (Moritz)
- 11860 TAIWAN BRC-Panchiao (BED-45); 2130-2230* JJ //9510 (Behr)
 11860NF NORWAY RN; 2020 NN to Eur/Africa, ex-11850 (Padula-AUST 10-6)
 11865 SAUDIA ARABIA BSKSA-Riyadh; 1600 AA nx, mx past 1830, F (Behr)
 11870NF SAUDIA ARABIA BSKSA-Riyadh; 0610 AA, ex-11890, sked 0500-1545 (Padula-AUST 10-11)
- 11885NF USA WYFR; 2220 SS to Americas ex-11875, Good via LP (Padula-AUST)
 11885 BRASIL R Maua (ZYZ-25); 2230 rapid PP network sports px //9705, P (Zilmer 11-9) Another rarely reported Brazilian - ed.
- 11890NF FRANCE RFI; 2000-2030* FF pops & anncts (Padula-AUST 10-5)
 11890 OMAN Oman Broadcasting Corp;(T) 1430 AA talk, lcl mx, weak but clear 10-27; always fades before 1500; reception possible only after Moscow's 1430 s/off (Behr) 1451-1525 w/peak about 1500, AA mx, W anncr w/nx by M, Poor (Whitacre 10-27, 11-1)
- 11890 ETHIOPIA ETLF; 1614-1640*EE rel px, ID (Keeney 11-2, Miller 11-2)
 11895NF NORWAY RN; *1900-2005 NN to Pacific ex-21730, //11860, 15175, nx, talks, etc., P (Padula-AUST 10-6, Behr, Dulac 10-21)
- 11895 SENEGAL RS; In clear 2200+ now that RPE off freq; FF discussions & nx 2205, noted after RCI 2200 s/off (Padula-AUST 11-8)
- 11895NF CANADA RCI; 2134 EE to Europe ex-11855, sked 2000-2200 (Padula)
 11895NF NETHERLANDS RN-Lopik; 1300-1350* SS to Europe ex-11960 xed USSR, Fair (Behr, Padula-AUST 10-18)
- 11900 JAVA VOI Jakarta; 1055 lang (Mandarin listed), 12-note IS on chim-es, NA, ID, Poor (Smith 10-22) Both time & freq unlisted - ed.
- 11900 MALAYSIA RM-Kuala Lumpur; 0430-0500 CC Overseas Svc. (Padula-AUST)

- 11900NF BULGARIA RS; 1600 TT, 1700 AA, 1830 TT, 1900 Greek, 2000 AA, all under RSA (Behr)
- 11910NF ECUADOR HCJB; Now here 0500 w/EE to A/NZ ex-11915, E (Padula) 0243 "DX Party Line" px (Conover 10-22)
- 11910 ETHIOPIA ETLF; 2015 EE to W Africa to 2030*, recent NF,G (Padula Larson 10-21, Aston 10-13)
- 11915 BRASIL RTV Gaucho (PRC-23); 0030 PP network sports px, P (Zilmer)
- 11925 NETH ANTILLES TWR-Bonaire; 0055-0130* EE rel px, ID, nx (Ware)
- 11925 UZBEK SSR RT; 1301 lang nx by M, IS, P (Miller 11-8)
- 11935NF USA UNR-Greenville; 2140-2200 EE/FF General Assembly meeting for Europe, ex-11760 dominating Brussels co-channel (Padula-AUST)
- 11940 ROMANIA RB; cf 9690, best European signal on 25m, promo for List ener's Club, closing 1325; for Europe; 1500-1520 EE nx & talks (Hauser 10-22, Keeney 10-19, Blossom 10-27)
- 11940 SINGAPORE RS; 1510-1607 EE, World & lcl nx by M, US pops, Fair (Hardester 10-28, Mitchell 11-11)
- 11945 INTRUDER; Seems US military restricts its intrusions to tactical call stns which can't easily be identified by the public. 10-19 1445 on SSB w/BBC as BFO, "Kingpin" calling "Crayfish" for long, slow count; QSYed slightly at 1448. An abuse of anonymity (Hauser)
- 11945NF MOROCCO VOA-Tanqier; 2150 EE to ME, sked 1800-2200 (Padula-AUST)
- 11945 W GERMANY DW; Bengali now here *0700 w/severe Bucharest ORM in EE to Pacific (Padula-AUST 11-8)
- 11950 SPANISH SAHARA R Sahara; noted here ex usual 11805 *0757 into song "El Condor Pasa," SS ID, TC 0815 and into Western pop mx to AA anncts 0900, G; needs further checking as may not be a permanent move - BBC MX noted it on 11925 recently (Padula-AUST 10-31)
- 11960NF ECUADOR HCJB; 2130 opening Quechua to SAM xed RHC co-channel in EE to Europe; 0115 SS to SAM ex-11875 sked 0030-0230 (Padula)
- 11965 ALGERIA RTA; 2240-2305 AA mx, anncts, F w/slight het (Earhart)
- 11980NF E GERMANY RBI; 2000-2015*AA ex-11960 (Padula-AUST 10-6)
- 11985 ALBANIA RT; 1425 EE feature on Albanian NLF //9500 (Hauser 10-14)
- 12012h COSTA RICA R Reloj; ID 0023, 30-second slow TC, mx, strong at first but quickly faded; sporadic-E or xmtr tweaking? (Hauser)
- 12025 I ISRAEL IBA; 2100-2115 HH nx (Askine 10-9)
- 12032 N VIETNAM VOV-Hanoi; 1018 EE px by W, ID, Fair (Dunn 10-26)
- 12055 GEORGIAN SSR RM; 1606 FF nx, 1920 also FF, IS and EE ID for African Svc. by W; RSP&P here at 1630. This outlet verified as Tbilisi (Young 10-20/25)
- 12055NF CHINA RP; apparent NF, 0114 EE //11945 (Hauser 10-18)
- 12079.5 CLAND (VENEZUELA) R Euzkadi; now sometimes audible since IBA move to 12077.5; noted 1930 jammed, poor (Magne 11-3)
- 12080v ISRAEL IBA; 1600 HH HS, Coca Cola ads, IDs, dramas, etc., Poor (Slaff 10-9, Magne 11-2)
- 12120 CHINA CPBS HS-1; drama w/percussion in Gyoyu 0136, F, much better than //11290, 11330; sked 2300-0800 per BBC MS (Hauser)
- 12135v CLAND (ROMANIA) REI; 1813-1919 SS announcing continuous b'cast 10-24, discussions of Basque ETA executions, etc., jammed, Poor (Hauser, Slaff 10-5)
- 12200NF CHINA RP; new, strange freq for NA Svc., 0135 much weaker than // 12055, 11945; also at 0200 but too weak to determine lang (Hauser)
- 15030 CHINA CPBS HS; 1745 lcl mx to 1757* w/NA, P-F (Lovett)
- 15084 IRAN NIRT; 1424-1441 Farsi mx, talks by W (Moritz 10-25)
- 15095 USSR RM; Startled to find a signal here //15060, both w/bad hum & poor modulation //stronger, but also distorted 15130 which is probably the culprit. 1748 African lang w/mention of the Soviet Union, 1758 African Svc. IS; Hausa listed (Hauser 10-19)
- 15105NF AUSTRIA ORF; 0755 GG to E Asia into FF 0800 ex-11835 (Padula)
- 15110NF FINLAND RF; 1405 EE ex-15185; noted on regular freq for later px, Fair (Magne 11-2)
- 15110 CZECHOSLOVAKIA RP; 1530-1545 IS, ID & nx in Asian Svc. (T'cherer)
- 15110 PAKISTAN RP-Islamabad; 1105 EE dictation nx (Dunn 10-26)
- 15120 NIGERIA NBC-Ikorodu; 1925-1935 EE ID, program summary, African mx (Mayer 10-25)
- 15120 SRI LANKA SLBC; 1915 EE "All Asia Svc." ID w/address then off, P-F (Lovett)
- 15125 TAIWAN VOFC; *0200-0220 IS, EE nx, requested reports (Mitchell)
- 15125 E GERMANY RBI; 1213 EE comtry to SEA on socialist society (Dunn)
- 15135 W GERMANY DW; 1720-1730 EE nx, "African Viewpoint," ID, etc., (Pitts 11-1)
- 15145T BRASIL R Jornal do Comercio (ZYB-37); 1935 PP soccer px, ads, P-F (Lovett)
- 15155NF SOUTH AFRICA R RSA; *2230 EE to NA, nx, "SA Panorama," G (Wala)
- 15160 MEXICO XEWW-La Voz de la America Latina; 1630, 2350 SS talks, IDs ads, promos, etc, F-G (Behr, Lovett)

- 15165 DENMARK RD; 1558 IS, IDs in DD/EE, *1600 w/freqs into DD talks & mx, F-P (Anderson 10-25)
- 15167 BRASIL Ceara R Clube (ZYN-7)(Listed); PP px, lively European & Brazilian rhythms w/no breaks between discs, no break at hour, no anncts till a volley of ads, dedications & cracks by a vigorous fellow at 2100; 1940-2115 and no readable ID given (possibly one was buried in a jingle), gone 2140 recheck: is reliably listed as *1900-2100* w/5 kW, WRTH notwithstanding)(Magne 11-8) Nice!
- 15170 NORWAY RN; *1400-1430, 1600-1615 EE, nx of Norway, features, etc. (Conover 10-12, Hunter 10-26, Yajko 10-19, Noonan 10-26)
- 15175 EGYPT RC; 1427 AA & Western mx, lang anncts by M (Bengali listed) Fair (Robins 11-15)
- 15185 FINLAND RF; 1400-1430, 1610-1630 EE; missing on 10-14 at 1400 but back other days putting in a much better signal than Sweden due to latters' xmtr/antenna problems (Hauser, Conover, Mitchell)
- 15185 SRI LANKA VOA-Colombo; 0300-0331* EE, s/off w/ID, F (Behr 10-21)
- 15200 FRANCE RFI; *1700-1745 EE "Paris Calling Africa," FF lessons, nx, IS, IDs, etc., VG (Blossom 10-27, Conover 10-11)
- 15210 EGYPT RC; 2100-2110 lang (Yoruba listed) to W Africa, AA & Western pops (Padula-AUST 10-4)
- 15220 NETH ANTILLES TWR-Bonaire; 1955 FF to Africa, G-E (Lovett)
- 15225 TUNISIA RTT-Sfax; 1815 AA talks into lcl mx 1830, G (Lovett)
- 15235NF INDIA AIR HS; 0845-0850 in national lang // usual 15285 (Padula)
- 15245 BRASIL RNB; *2058-2200* EE, nx, sports, features, lots of mx, said would move to 11780 on 11-1, VG (Locher, Slaff, Hauser, Fine)
- 15245NF USA VOA-Bethany; 2115 EE to Africa (Padula-AUST 11-7)
- 15255NF NETH ANTILLES TWR-Bonaire; 0125 GG to Sam ex-15415 (Padula-AUST)
- 15260 JAPAN FEN-Tokyo; relay sports from AFRTS-Washington 2040, local ID 2100 (Padula-AUST 10-4)
- 15270 JAPAN RJ; 0029 EE, ending "Tokyo Calling" DX px into nx to 0044* w/NA, Poor (Slaff 10-6)
- 15270 ENGLAND BBC; has re-sked its SS to Europe an hour later from 1200 so it will continue to coincide w/siesta time now that Spain is back on GMT+1. Noted 1305 nx, closing 1314* (Hauser 10-18)
- 15270 MOROCCO VOA-Tangier; 1500-1506 lang px; IS, EE ID on hour before px, VG (Aston 10-11)
- 15280 USA KGEI; 0027 SS IDs: "La Voz de la Amistad," E (Slaff 10-6)
- 15290 PHILIPPINES VOA-Tinang; 0100* IS, EE ID, Poor (Smith 10-22)
- 15290NF SABAH R Malaysia-Kota Kinabalu; 0625-0900 EE here ex-15275, VG (Padula-AUST 10-17) /es
- 15305 SWEDEN RS; 1400 EE, usual weak signal due to antenna/xmtr trouble but just before SCDX began 1419, suddenly boomed in loud! as back to full facilities, at least for SCDX (Hauser 10-28) 1230 EE px (Conover 10-11)
- 15310 BULGARIA RS; 1913 EE, talks about Chilean Communist Party then "Letterbox" px, G (Slaff 10-5)
- 15310 PHILIPPINES R Veritas; noted irregularly here w/tests in II 2240-2245 (Padula-AUST 10-18) Might be possible Stateside - ed.
- 15325 CANADA RCI; 1800-1900 has strong SAH flutter daily, I believe they run two xmtrs on same freq not exactly in phase; SAH not caused by Seychelles (Behr) RCI Technical staff is too good to do something like that; the SAH most likely from Uganda testing its xmtrs - see next item - ed.
- 15325 UGANDA Uganda Broadcasting Corporation; 1800-1900* in EE to 1830 then into FF in new External Service to W Africa; causes SAH w/ RCI. African mx, nx 1815 w/frequent mentions of, whoelse? but President Idi "Big Daddy" Amin, P w/RCI QRM (Carbone, Wala 11-2)
- 15325NF PAKISTAN RP-Karachi; II now here 0200-0245 ex-21730, well heard; 1530 EE ID, prgm sked, BBC nx, mx & "DX Post-time," VP (Smith)
- 15325 SEYCHELLES IS FEBA; 1600-1647 EE rel px, "Back to the Bible," etc. off 1645, under RCI after 1630 (Locher 11-1, Blossom 10-27)
- 15335 AUSTRIA ORF; 1829 classical mx, G (Lovett) Language? - ed.
- 15335 EGYPT RC; 2050-2055 FF to W Africa w/AA lessons (Padula-AUST)
- 15345 TAIWAN VOFC; 0235-0300 EE, CC orch mx, folk songs, asking for letters and comment, F (Thompson 10-23)
- 15350 LUXEMBOURG RL; 2100-2115 FF w/EE ID, pop mx (Askine 10-9)
- 15360 MOROCCO RTM-Tangier; 1500-1510 EE nx of Sahara march into AA nx and mx, F (Mayer 11-7)
- 15365 ROMANIA RB; 1743 EE "7 Days in Romania," etc., G (Hauser 10-19)
- 15385 MEXICO XERMX-R Mexico; 2048 Special b'cast, anncts in EE/FF asking for reception reports (Conover 10-11)
- 15390 E GERMANY RBE; EE economic talks (Yajko 10-19) Time please - ed.
- 15400 VENEZUELA R Nacional (YVKN)-Campo Carabobo; 2200-2300 EE nx, commtry, tourist info, native mx, features, etc. (Zilmer)
- 15405 ISRAEL IBA; begin RR 0535, off 0600, good level suggesting high-power on this freq, jamming intense! Sat/Sun (Padula-AUST 11-8)

- 15410 USA UNR-Greenville; 2018-2044 very interesting EE talk on world peace, centering on ME, classical mx afterwards (Moritz 10-15)
- 15410 JAPAN RJ; IS //15300 2258 preceding Vietnamese px (Hauser 10-24)
- 15420 CYPRUS BBC-Limassol; 1605-1620 EE WS, comtry, Program Notes, px on Ernest Hemingway, Poor (Mitchell 10-21)
- 15425 SRI LANKA SLBC; 1456-1510 t/o end EE "World Radio Hour" into rel mx to 1500 then TC, ID w/freqs and rock mx //stronger 9720; *0025-0331 EE rel px in "All Asia Service, //9720 much stronger, Fair (Whitacre 11-1, Wala 10-26, Behr 10-21)
- 15425 FRANCE RFI; 1700-1800 EE "Paris Calling Africa" px, mx requests, nx, IDs, features, etc., G-VG (Dulac 10-21, Lovett, Aston 10-18)
- 15430NF ECUADOR HCJB; 1430 EE to SAM, strong signal ruining AFRTS co-channel - back to the doghouse for HCJBI (Wala 11-11) Yes Sir!
- 15435 TANZANIA RT-Dar es Salaam; 1650-1730 EE IDs, TC, pop mx, current affairs px (Pitts 10-25)
- 15440 PHILIPPINES FEBC; *2328-2358+ EE nx, IDs, QSL info, rel px, etc. announced //11855 & 21515 (McCarthy 10-21, Wala 10-25, +no name)
- 15455 AS USSR RM; 0000 EE to WCNA //15180, 15140, 12050 (Behr)
- 15455 UKRAINIAN SSR; All day this freq is Simferopol, but now also re-activated from FE for NAM Svc *2200 Ukrainian, 2300 EE //17720+ (Hauser 10-24)
- 15485 ISRAEL IBA; 1206 EE nx //15405, 15100; 1759-1812 IS, TC into RR px by W, nx (Dunn 10-26, Moritz 10-10) 0500-0515 via omni-directional antenna, Good lvl and very weak on 17688 which is directed to Australia! (Padula-AUST 11-8)
- 15511v CLAND (ROMANIA) REI; 1330-1556* SS px, jammed; new time (BBC MS reports *0600-0000* new sked, so must move to 7690 at 1600) (Magne 10-26)
- 15512.5 ISRAEL IBA HH HS; 1805 nx in Ladino dialect of the Spanish Jews, low modulation but readable (Hauser 10-19)
- 15520NF PAKISTAN RP-Karachi; 0500-0815 Urdu World Svc. ex-21590 to ME/India/E Africa/Arabian Gulf, VG; 1300-1310 EE nx by M, P (Padula, Wala 10-25)
- 15532 BANGLADESH RB; 1226-1300* EE, IS at t/i, EE ID by W into nx, lcl mx, Poor (Cress 10-27)
- 15630 N KOREA RP; 2310-2320 EE nx, comtry by W, P w/fading (Mayer)
- 17665 PAKISTAN RP; 0700 EE WS nx, Good (Padula-AUST 11-8)
- 17688 ISRAEL IBA; 1227-1230* EE lcl ads for Singer sewing machines, etc (Dunn 10-19)
- 17720 USA WINB Red Lion; 1915-2000 EE gospel px, ID 2000 (Askine 10-26)
- 17720 FRANCE RFI; 1544 FF ID at s/on, chamber mx, VG (Miller 10-18)
- 17730 ECUADOR HCJB; 1640 RR, 1915-1930 EE rel px, ID (Askine, Miller)
- 17750RF CUBA RHC; 1620-1631 t/o SS px, LA mx, nx by W (Tuchscherer)
- 17775NF LIBERIA VOA-Monrovia; ex-17870 which abutted WYFR-17865; 1830 "VOA Magazine" (Hauser)
- 17790 ALGERIA RTA; 1724 AA mx & anncs by W (Miller 11-9)
- 17795 AUSTRALIA RA-Shepparton; 0220 "Club Forum" interview of NRC edit-or/member Norm Maguire, visiting Melbourne, F (Hauser 11-2)
- 17800 W GERMANY DW; 1000 "Panorama" px in EE, F (Wooten 10-14)
- 17810 PHILIPPINES FEBC; 0020 EE "Bible in Today's News," frq sked, nx, etc., Good (Smith 10-22)
- 17825 W GERMANY DW; *1415-1428 Amharic px by M, multilingual ID, Fair (Schipelliti 11-9)
- 17830 SWITZERLAND SBC; 1541-1655, EE to 1600 into FF, Italian 1655, nx, IDs, features, etc., F (Ware 11-9, Miller 11-8)
- 17865NF HUNGARY RB; 1030-1100 EE to Australia ex-17780, xed RFI (Padula)
- 17875 USA WYFR; 2145 EE "Back to God Hour," IDs and freqs 2159 //11905, 15130, Poor (Slaff 10-19)
- 17885 USSR RM; 1600 FF to Africa way over BBC-Cyprus, hvy flutter; 1630 PP to Africa, 1700 FF again, G (Behr, Hauser 10-16) Site per WRTH is Vinnitsa, Ukraine - ed.
- 17895 NORWAY RN; 1500 NN px under jammer 10-18, back to 17795 next day (Behr)
- 17920 EGYPT RC; 1318-1430 EE to Asia, "Arabic by Radio," nx headlines, summary of programs, etc., P-VG (Wooten-SARDINIA, Dunn, Aston, Hauser 10-26)
- 18080 ENGLAND BBC; 1522 talk by M in lang (Conover 10-19)
- 21455 MOROCCO VOA-Tangier; 1240 mx px in language, F (Wooten 10-15)
- 21460 BELGIUM RTB/BRT; 1348 FF talk by M (Conover 10-19)
- 21580 FRANCE RFI; 1330 FF, classical mx //21620 (Conover 10-19) Out of order, sorry - ed.
- 21485 USA VOA-Bethany; 1610 EE nx to Africa, G (Wala 10-24)
- 21495 PORTUGAL RP; *1600 EE to ME, Fair (Wala 10-24)
- 21505 USSR RM; 1250 RR mx and features, Fair (Wooten 10-15)
- 21510NF ITALY RAI; 1455 "Domenica Sport" px in II, ran until 1650* and left carrier on till 1655 (Hauser 10-19)

- 21515 USSR RM; 1258 lite mx; RSP&P *1300 in EE, VG (Wootten 10-15)
 21520 FRANCE RFI; 1320 FF variety px not //21580, F (Wootten 10-15)
 21520 SWITZERLAND SBC; 1259* GG, 1330-1345 EE features on Swiss elections, nx, IDs; 1530-1610 EE "Swiss Music Makers" px to Africa //9590, 11870, 15305, 17830 (Many)
- 21531V ALGERIA RTA; In typically jumpy fashion, RTA here instead of usual 21565 for AA HS 10-15; 1550 mx & talk, 1601 ID, nx, etc., //17790, muddly modulation at best, hets RSA-21535 (Hauser)
- 21535 SOUTH AFRICA R RSA; 1455 EE pop mx px by W to Central & E Africa (Conover 10-11)
- 21550 LIBERIA VOA-Monrovia; 1300 nx in Asian lang, VG (Wootten 10-15)
 21565 USSR RM; 1305 RR lite mx px, VG //21575 (Wootten 10-15)
 21575 USSR RM Mayak HS; 1459 RR talks, IS, TC, site listed as Moscow; this freq not caught in last year's survey (Hauser 10-16)
- 21580 FRANCE RFI; 1310 FF variety px, F w/QRM de 21575 (Wootten 10-15)
 21600 USSR RM; 1312 unid lang, possibly African, ID, mx & talks, VG w/ Deutsche Welle faintly audible underneath (Wootten 10-15)
- 21610NF USA VOA-Dixon; EE to S Pac 2200-0000 ex-15205, VG (Padula 11-7)
 21625 ISRAEL IBA; *0957 Sat/Sun only in RR, heavily jammed (Padula)
 21655 NORWAY RN; 1657 IS, fair, but faded out shortly after (Hauser)
 21685 MALAGASY REP RN-Talata; due to RFI on 17855, RN moved here by 10-14 when found in DD 1810, nx relay, ID; not exactly //21635-Bonaire due to tape time lang; much less fluttery than Bonaire although is four times further away; 1818* w/QTH. 1550 AA px - don't confuse w/Kuwait (Hauser)
- 21685 KUWAIT RK; 1330 AA talk by M & W about London & Washington, theme song from "Jesus Christ Superstar," etc., VG (Wootten 10-15)
- 21700 PORTUGAL RP; 1545-1555 PP, ID and nice PF mx on guitar as well as some vocals, fade made listening difficult (Moritz 10-13)
- 21730NF FRANCE RFI; *0915-1000* FF to Africa (Padula-AUST 10-25)
 25605NF ISRAEL IBA; To my knowledge the only current use of the 25 MHz band for ISWBC is IBA's Nov-Mar 1000-1030 RR prgr's on Sat/Sun only. Should be possible on excellent MUF days, in extreme eastern NA, especially toward the end of February or the first week in March when there'll be more light on the path; neither of us have heard it yet however (Hauser, Magne)

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First of all your editor would like to apologize for the absence of LR-C in the November issue. The week when I should have been typing the column turned into a battle-royal between conflicting responsibilities, and Kalamazoo College won out. However take heart, all is not lost! The best loggings from the "LR-C that never was" are available for a SASE from Publisher Al Mayer in Park Forest, Illinois. Those of you desiring a copy of this sheet should write him without delay. I would especially like to thank those who included notes of support and sympathy along with the loggings. At least it was nice to know we were missed. As of this date no crosses have been burned on my lawn by irate contributors - which only proves that Log Reporters have to be about the best bunch of DXers in the hobby. You have my sincerest assurance that I will try at all costs to avoid a repetition.

As noted on page one, the DEADLINE FOR THIS COLUMN IS THE TENTH OF THE MONTH, EFFECTIVE IMMEDIATELY. This was done to give me a little more time to complete both schoolwork and the column with decent attention to each.

I have never really had the opportunity of introducing myself, so I'll seize the time now, while I have it. At the moment I am 19 years of age and a sophomore English major at Kalamazoo College. I have been a SWBC DX chaser since early 1972 and I joined NASWA in August of that year. My HIC /VIC is approximately 170/105. As for QSLs, my current "favorite" is one from Radio Vila on 3945 kHz.

Correspondence of a personal and/or hobby nature is always welcome here. And finding nothing further to say, other than one short Gaelic phrase: "A chara, beatha agus slainte!" - Andy Robins

Scoreboard and the Antenna Survey edited by Neal Perdue will not appear this month. Neal advices that the Antenna Survey will reappear next month and the Scoreboard will return in March. Neal is in the process of moving, his new address is as follows:
 Neal Perdue, Route #1, Box 91-AA, Falkville, Al. 35622.

HELPING HAND: For Sale, BC221AH Frequency Meter, w/ power supply and original calibration book, \$35. Prefer local pickup. Contact Al Mayer, P.O. Box 321, Park Forest, Il. 60466

Topline tip. . . False alarm! Apparent new stn rpted on 4890 kHz as HC/OA "R. Musical (de Junin?)" actually is R. Centinela del Sur, ex-4752 kHz, w/pgm "Miscelanea Musical Juvenil" closing 0400A. (Jim Whitehead, via NEDS News, New England DX Society bulletin) R. Centinela del Sur hrd on 4890 kHz one day around 0600. (Dexter)

DX

Hotline

Next deadlines:
12/18 and 1/2
(312) 362-3092



•Editor: Ralph W. Perry

201 E. Cook, Apt. 416, Libertyville, IL. 60048

UGANDA -- Kampala QSLed for report on 9730 kHz N. African service in 2½ wks via letter from M.B.S. Mangan, "A.G. chief of broadcasting" (acting general?), who noted mine the first verie for this new service/fq and reaffirming power is 250 kW. (Mayer, Ill.) That's the signal, gents. Kampala QSLs have been as rare as Chicago Cub pennants since Big Dad-day assumed power several years ago. Reports should be directed to UEG-External Service, P.O. Box 2038, Kampala, Uganda. (Ed.) 9730 kHz, 2035-2100* w/anthem, EE svc, said being every Sun/Mon/Wed/Fri, news and program of mxcal requests. (Ware, Va.)

HONDURAS -- 6185 kHz, R. Swan de Honduras, highest source indicates this station is not on Swan Island and that individual on fringe of Honduran gov't may be "fronting" the operation. (Ed.) Rcvd QSL press card, but from a Miami postmark. (Lausevich, Wis.) QSL ltr in 35 days, but had Miami postmark. "Nodarse" roughly translated from Spanish would mean "Don't give it up". Letterhead lists 1160 kHz, 6000 kHz and 6185 kHz. (Keeney, Kan.) Interesting observation, Bob. Incidentally, my ltrhead verie from earliest period of "Swan II" ops does not indicate 6000 kHz. Apparently a blatant attempt to strengthen the historical link by listing the bogus fq -- or are they also there, now? (Ed.)

NEW HERRIDES -- Four reporters noted R. Vila 4975 kHz in operation //3945 kHz one day in late Oct. 0640-0900. No indication if noted since. (NZ DX-Times)

INDIA -- AIR reports new xmtrs at Port Blair stn, Andaman Islands went on the air on 11/6 but gives no frequency. Said would give people of Andaman Islands and Nicobar Islands instant communication in this Union territory. Mostly like MW, but uncertain. (BECHS)

MONGOLIA -- 17785 kHz, R. Ulan Bator monitored in Japan this fq during infamous (yes, it apparently does exist) EE svc 1220-1250. (Matsushita via Japan SW Club "SW DX Guide") 6383 kHz, RFB, relaying R. Moscow at 1130 (including RM IS), //5054, 4762½ kHz. Hrd 2nd pgm of HS at 1200-1210 s/off. (Junqua, SW DX Guide)

PDR KOREA -- 11535 kHz, R. Pyongyang noted with fair signal at 2300 w/nx by YL in EE. ID at 2319, into commentary on Japan and Korea. (Dunn, Nj)

PAKISTAN -- Numerous European loggings of two Pak sites at top end of 90 m.b. The rare RP-Rawalpindi seems to vary between 3405 kHz (predominantly here) and 3400 kHz; on 3398 is RP-Islamabad, don't confuse. (DSMCI) 3327.8 kHz, RP-Peshawar hrd weak 1255-1310 f/o or s/off here in MWNA. Needs quiet morning. (Ed.)

Propagational picks. . . . Solar flux indices should be sliding downward after hitting the 90s in the second half of November. The period should begin with geomagnetically active conditions with high A-indices probably in the mid-to-high teens. Generally unsettled geomag conditions will likely be the case about the 3rd through 6th of the month, increasing to active about Dec. 7. Quiet geomag conditions should prevail then. Outside shot: try subcut.

ANGOLA -- For your own edification and amusement, I quote directly from the latest SKN on the 4962 kHz controversy: Christian Leuner: "The unidentified Portuguese speaking should have been R. Clube de Malanje. Lobito is now on 4864.5 kHz." J.P. Penaud: "Is definitely Lobito on 4962, 'Voz do Lobito'. Lobito had gone, Malanje guitar." (DSWCI) Unfortunately, this stn has not reached good enough lvl to ID stateside. (Ed.)

AFGHANISTAN -- 4750 kHz is replaced by 3390 kHz 1330-1430, 1600-1830. (Victor Coonetill& to WRH via DSWCI)

TURKEY -- Reported on an irregular sked is Eregli Komur Isletmeleri on 6606v kHz, generally from 1730-1830 weekdays. (Eregli Coal Mines Admin.) Runs 0.15 kW. (John Campbell via DSWCI)

SURPRISE DEPT. -- Those moaning and groaning about Radio Shabk's decision to pull the SK-190 off the American market may be interested to learn the rx has just hit the Australian market as Tandy Corp., parent organization for RS, tries to unload final supply. The Aussie's are seeming happy with the "new" rx, judging from comments in ARDXC. (Ed.)

VIETNAM -- Answering the flood of questions raised by a recently reported verie of a previously unknown regional site, Tay Nguyen is scheduled on 7512 kHz from 0845-1630* and *2300-2345, and on 9841 kHz 0845-1400. (Down Under DXers) David Foster of DUDI Survey writes he and Michael Willis will leave in late Dec. on a two-month trip through Indonesia, Malaysia and Singapore. "Hopefully, we will bring back lots of news on the Indo. broadcasting scena..." Bravo! (Ed.)

GALAPAGOS -- Cf. Nov. MM-DIX. Re the "gulls" IS, I checked my tape and found gulls recording used three times in connection w/IDs on Voz de Galapagos, 4810 kHz...sounds as though gulls circling over a wharf waiting for someone to throw food in the air, a raucous sound that runs about seven seconds. (Cress, Va.)

GREECE -- R.S. Macedonias, the EIRT-relayed home service, is still skedded via the 35 kW Thessaloniki xmttr from 0600-0830 Sundays on 9710 kHz, 1100-1430 daily exc. Sunday on 9710 kHz, and 1930-2030 kHz daily on 7280 kHz. Note -- not new stal (BECMS)

COLOMBIA -- 6121 kHz, R. Super de Cali, new stn first noted 9/11 at 0550-0630 w/lively LA mx and frequent IDs. Strong, 2300 hrd also, QRM'd, but still dominant. Mentioned "Mil Ochenta". Maybe some affiliation w/R. Musical, Cali, or just relaying a pga. (Tuchsherer, Wis., via NU) Believe M'ers also rptng R. Super de Cali. (Jensen, via NU)

PAKISTAN -- 6190 kHz, R. Pakistan, IS hrd at 1440 and into lang tlk 1445 on this new fq. Hx at times. At times pretty powerful. Is this increased power or beam? First hrd on 11/19. (Zilmer, Wis.) Is new fq, Bob, per Yeo-NU, rptng Urdu pgn mix w/Padang. (Ed.)

ECUADOR -- 4870 kHz, R. Rio Amazonas, tentatively the one s/on 1128 11/18 w/anthen, and Andes flute IS, two notes. All I got in ID was "HC ?" due heavy line noise. (Jones, Miss.) For Andes stn-freaks, those flutes are quenás (when end-blown) or sicus (when pan-pipes). The uke-like instrument is charango or chillador. (Ed.)

UNID -- 6255a, I hate to be a nuisance about this one. Certainly hope someone else hears it. Moved from 6262a to present fq. Noted 0925-1054, going from one tune to another w/out pause. (Jones)

PIRATE(?) -- 6901 kHz, stn hrd in mid-Oct. from 2255-2310 t/o, gone when returned to fq at 2320. EE pgming, vy poor quality modulation, seemed US-accented EE announcing as (I think) "Voice of the Zaïre Army Fighting in Angola", 11/18. (Robins, Mich.) Andy also noted a friend reported hearing same stn. a week earlier on 6901.25 kHz. Spot checks here have failed to uncover anything yet. (Ed.)

ANGOLA -- 4885 kHz, former A Voz do Zaire, Sao Salvador, regional station reported taken over by FNLA and now calls itself "A Voz de Angola Livre." Operates *0600 (had previously been logged in USA from 0530 s/on. Ed. Former // R. Cl. do Huambo reported taken over by UNITA and now calls itself "A Voz de Revolucao" w/sked unchanged. Bie inactive. (SCDX)

CHINA -- 3450 kHz, China Press BC Stn, 1243-1250 in CC, class mx, tlk by woman. (Lineback, Ill.) Hope so, Jer, would be good mx. Last word on this was DUDI Survey in July noting them apparently off the air

GUINEA-BISSAU -- 5041 kHz, 2152-2201 nonstop harangue in lang, poor lvl. (Lineback)

SUDAN -- 7200 kHz, Omdurman, Koran reading 0400 s/on, tlks, QRM from VOA-Woof. (L'back)

...and that's all for now, folks. Remember, this is your column for hot DX news. For the mid-month updater, send \$3 to Mac in Liberty. Late information can be phoned in to ye ed at the above number. Who knows -- perhaps when you phone in that last minute goodie, I might be able to reciprocate with pre-publication info on the newest breaking info. Is that a bribe? Of course it is. Send your five or ten best DX items to the DXH and maybe you'll get the Topliner (sort of like an MVP award, hi.)

73 de rwp

A total of 111 reporters this month, with 51 reporting to LR-A; 67 to LR-B; 52 to LR-C and 52 to QSL Report.

William ALDER, San Antonio, TX....Alan ANDERSON, Hopedale, MA (BC348R)....
David ASKINE, Dover, DE (GR54)....Don ASTON, Rock River, OH (SPR-4)....
Mark BAKER, Dixon, IL....David R. BALL, Downsview, Ont., Canada....Sam BARTO,
Watertown, CT (BG794/SP600)....Ernie BEHR, Kenora, Ont., Canada (SPR4/XCR30)
Tom BLOSSOM, Austinburg, OH (SPR4)....Alan BROOKS, Oakdale, CT....Charles
H. BRUNNER, Jr., Salford, PA (SW-4A)....Bill CAMPBELL, Jr., Plantsville, CT
(DX-150B)....Ralph CARBONE, Queens Village, NY....Ben S. CARTER, Knoxville,
TN (SB-313/GR54)....Tim CASSISTA, Lewiston, ME....Jon COHEN, Willingboro,
NJ (SW-717)....Jack CONOVER, Pittsburgh, PA (SPR4)....James A. CONRAD,
Waterloo, IA (HQ-160)....Editor Kent C. CORSON, Dubuque, IA (HQ200)....
Geoff COSIER, Burwood, Victoria, Australia....Hadley CRESS, Harrisonburg,
VA (R4C/HRO-500)....Bill DAVIS, Laguna Niguel, CA (Homebrew/HRO50)....
Dennis M. DEAN, Dayton, OH (SPR-4)....Ken DeLONG, Topton, PA, Dennis DEN
HARTOG, Ft. Wayne, IN (HA600A)....Gerry L. DEXTER, Lake Geneva, WI....Tim
DULAC, Bloomington, MN (DX160)....Guy DUNN, Paramus, NJ (SPR4)....Kenneth
A. EARHART, Allentown, PA (SX-190)....Mike EDELSON, Verona, NJ (Ambassador
P-985)....Dave EWING, Springfield, OH (HQ-120/S-120A)....Marlin FIELD,
Hillsdale, MI (SX100)....Mike FINE, Urbana, IL....Henry E. FINO, Rochester,
NY (RCA Victor Console)....Adam GAPPIN, Brooklyn, NY....Ciro GUARDUCCI,
Cassiar, B.C., Canada (SX190)....Jim HAGEN, Portsmouth, VA....Mike HARDESTER,
San Diego, CA (SPR4)....Rob HARRINGTON, Englewood, CO (SW4A).... Editor
Glenn HAUSER, Enid, OK (HQ160)....Dave HEIMKE, Hubbell, MI (DX-160)....
Agnes Mae HERBOLD, Buena Park, CA....Editor Bob HILL, Berkeley, CA (R390A/
R390)....Charles HOPFMAN, Manheim, PA (DX-160)....Kurt HOFMANN, Collings-
wood, NJ....William HOHNSTEIN, Lincoln, NE (SB-300)....Ray HORWATH, Crest
Hill, IL (SB-313)....Randy HUNTER, Newark, OH (DX-160)....Jack JONES, Jack-
son, MS (DX-150A)....Paul JORDAN, Houston, TX (S20R)....Lloyd KANTOR, Mt.
Vernon, NY (SPR-4)....Rob KEENEY, Lawrence, KS (HQ180)....Kenneth KREIS,
Elkhardt Lake, WI (Heath HR10B)....Richard LARSON, Minneapolis, MN (SPR-4)
Arnold LAUSEVICH, Milwaukee, WI (DX150B)....Alan LAVES, Austin, TX....Irving
LEFFLER, Brooklyn, NY (DX-160)....Editor Jerry LINENBACK, St. Joseph, IL
(SPR-4)....Brent LOCHER, Troy, NY (DX-150B)....Brandon LOVETT, Coldwater,
OH (SX-190)....Dan MCCARTHY, Terre Haute, IN (DX-160)....Bob MCCOY, Lincoln,
NE (DX-150B)....Pitt MCNEIL, Washington, DC (DX-160)....Larry MAGNE, Phila-
delphia, PA....Publisher Alan MAYER, Park Forest, IL (SPR-4)....Albert
MILLER, Youngstown, OH (HRO500)....Richard MITCHELL, Cupertino, CA (DX-160)
John MORITZ, Youngstown, OH (DX-160)....Scott NEWMAN, Lincolnwood, IL....
Timothy NOONAN, Milwaukee, WI (SW4A)....Tom OVERCAMP, Seneca, SC....Bob
PADULA, Surrey Hills, Victoria, Australia (Marconi CR100)....Carrol R.
PATTERSON, Decatur, GA (SX99)....Bill PEARSON, Avonmore, PA....Mike
PERAAHO, Chisholm, MN....Editor Neal PERDUE, Falkville, AL (SW4A/2C)....
Donald PEPRAVICK, Chicago, IL (SX-110)....Stephen PIPITS, Salem OR (SW4A/
HQ100A)....Greg RAVENHORST, Hollandale, MN....Louis RENO, Atchison, KS
(SPR-4)....Henry ROCKWOOD III, St. Clairsville, OH....D. E. Rojewski,
Tacoma, WA (DX-160)....Peter SCHPELITZ, Burlington, MA (DX-160)....Niel
SCHULMAN, Brooklyn, NY....Richard A. SCHWARTZ, Dover, DE (SX-190/S108)....
Russell SCOTKA, Shadyside, OH (Zenith D7000Y)....Edward C. SHAW, San Diego,
CA (SP600/R390A)....Dan SHINGLER, St. Clair Shores, MI (DX-160).... Jerry
SLAFF, Brooklyn, NY....Chet SMITH, Verona, NY (Realistic Astronaut 4)....
Myron SMITH, Spencerport, NY (SB-310)....Todd SMITH, Wilton, CT....Wade
SMITH, Westport, MA (SX-190)....Bill SPARKS, San Francisco, CA (R390A/R4B)
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Neenah, WI (HQ-180A/HQ-100A)....Joe ULLMER, Denver, CO (2C)....Robert
YOKES, Austin, TX (XCR-30)....Philip M. WALA, East Lansing, MI....David
WALCUTT, Carbondale, IL (XCR-30)....Scott WALCUTT, Ft. Wayne, IN (NC190)
Lauren WARE, Fairfax, VA....Charles P. WASHEURN, Perry, ME (SB-310/SX-130)
Bill WHITACRE, Lansing, MI (R4B/SX96)....Robert C. WILES, Wheeling, WV
(XCR-30)....Charles WOOTEN, USN Sardinia, (R530/R4B/GR78)....Robert
YAJKO, Leechburg, PA (DX-160).... Jim YOUNG, Wrightwood, CA (HQ180A/HQ100AC
/SX-190)....Bob ZILMER, Milwaukee, WI (SPR4)

GUIDING HANDS WANTED: New NASWA members Doug Chastain, 2701 W. Louisiana Avenue, Tampa, FL 33614 and Mike Sackheim, 911 Emerson Avenue, Washington, DC 60202 say they are beginning DXers and would like to make contact with DX groups or individuals in their areas who might be willing to help them along.

HELPING HAND: Wanted and badly needed, BC-221 or LM-18 frequency meter. Must be in excellent shape, have original calibration book and power supply. Contact and state terms, Alan Laves, 2902 Willowbridge Circle, Austin, TX 78703.

NASWA ABBREVIATIONS

The following abbreviations are the ones most commonly used in the preparation of Log Report. Abbreviations are sometimes confusing, but they are necessary to keep the amount of space needed to cover an item to minimum. These abbreviations can also be used in reporting loggings to the LR editors. If you do abbreviate, stick to the standard ones listed below. Please do not use abbreviations known only to the contributor.

All times in FRENEX are in GMT, 24 hour system.

*0000 s/on (sign on)
 0000* s/off (sign off)
 // parallel
 a,A approximate
 AP A Portuguesa
 ARO Amateur Radio Operator
 BBC MS BBC Monitoring Service
 clas classical
 cmntry commentary
 CW continuous wave
 DJ disc jockey
 ECNA East Coast North Amer.
 EIR East is Red
 EL, E-L easy listening music
 FBIS Foreign Broadcast Information Service of the CIA
 FE Far East
 f/i fade in
 f/o fade out
 freq,fqy frequency
 fund fundamental
 harm harmonic (see X)
 het heterodyne
 HS Home Service
 ID identification
 Int Internationale
 IS interval signal
 ITU International Telecommunications Union
 LA Latin America(n)
 lang unknown language
 lbx letterbox
 LL language lesson
 lcl local
 lvl level
 m man
 mod modulation
 MoR Middle-of-the-road music
 mx music
 NA Nat'l Anthem or N. America
 NF,nf new frequency
 nx news
 pgm,px program
 QRK readability
 QRM Interference
 QRN Static
 QSA Signal strength
 QSB Pading
 QTH Geographical location
 RC, RT recheck, retune
 relig,rel religious
 rev revolutionary
 RF,rf reactivated frequency
 s/b should be
 SEA South East Asia
 SSB single side band
 svc service
 t, T tentative
 TC time check
 tx transmitter
 tk,tlk talk
 ute utility station
 v varies
 w/ with
 W woman

WCNA West Coast N. America
 WS BBC World Service
 wx weather
 x harmonic (also see harm)
 xmsn transmission
 xmtr transmitter
 Af,Afr Africa(n)
 As Asia
 CA Central America(n)
 Eu Europe(an)
 Pac Pacific
 SA South America

Languages:

AA Arabic
 Afkns Afrikaans
 BB Bengali
 Cant Cantonese
 CC Chinese
 CS Czech-Slovak
 DD Dutch
 EE English
 FF French
 GG German
 Indo, Indon Indonesian
 Ital Italian
 JJ Japanese
 KK Korean (sometimes Khmere)
 MM Malay (sometimes Mongolian)
 NN Norwegian
 Pid Pidgin
 PP Portuguese
 RR Russian
 SC Serbo-Croat
 SS Spanish
 TT Turkish
 VV Vietnamese

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

Signal Strength - S

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

Interference - I

5=None; 4=Slight; 3=Moderate;
 2=Severe; 1=Extreme

Overall Merit - O

5=Excellent (local quality); 4=Good;
 3=Fair; 2=Poor; 1=Unusable

NASWA

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Publishing **FRENDX** Monthly

Unity and Friendship

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NASWA'S DX HOTLINE is compiled twice a month giving the DXer the very latest DX news while it is hot. The DX HOTLINE is edited by veteran DXer Ralph Perry. All reports for the DX HOTLINE go directly to Ralph at 201 E. Cook St., Apt. 416, Libertyville, IL 60048 USA. One issue of the DX HOTLINE is incorporated in each issue of FRENDEX, the other issue, the Mid-Month DX HOTLINE is available in a separate mailing to NASWA members for \$3 per year in North America. It is airmailed overseas for \$5 per year. These fees are, of course, in addition to the annual membership dues.

All inquiries, checks/ money orders/ dues/ renewals and/or orders for the Mid-Month DX HOTLINE should be sent to NASWA Headquarters:

P.O. Box 13, Liberty, Indiana 47353, USA

All remittances should be in U.S. funds. Sample FRENDEX and DX HOTLINE are available for \$ 1.00.

Reports to the individual sections should go directly to the editors listed below:

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OSL REPORT — *William E. Oliver, 45 Wildflower Road, Levittown, PA 19057*

SCOREBOARD — *Neal Perdue, Route No. 1, Box 92-B, Falkville, AL 35622*

LOG REPORT (A) — *Bob Hill, 1626 Bonita Ave., Berkeley, CA., 94709*

LOG REPORT (B) — *Kent C. Corson, 2269 Graham Circle, Dubuque, IA 52001*

LOG REPORT (C) — *Andrew Robins, 2724 Fleetwood Dr., Kalamazoo, MI 49008*

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