

OCTOBER—1977

frenDX



NORTH AMERICAN SHORT WAVE ASSOCIATION

POST OFFICE BOX 13

LIBERTY, INDIANA 47353

U.S.A.

LOUDENBOOMER REPORT



To all IACDXA Members: It has come to my writer's attention recently that reports to our shorewide column have truly deteriorated in quality. Therefore, with the assistance of several "friends", we have drafted a suggested policy guide for your consideration when you report your shorewide findings to the Bulletin.

We are not trying to force these guidelines down anyone's throat, but we only ask that reporters and other clubs give them their sincerest consideration. You now have the opportunity to speak up. If you don't you will never be given another chance. (a raff way of dealing with troublemakers)

First, effective immediately, we are putting into effect a comprehensive and new language abbreviation list. In the past we have persistently stuck to the 'd, tried and true-time abbreviations, such as ENGLISH for English, PORTUGUESE for Portuguese. You will recall that we repeatedly stated that if anyone could show us an accepted, standardized abbreviations list already in existence, we would readily accept it.

Someone has recently informed me that ANARC, whatever that is, has such a list, published and distributed by ASWLE, whatever that is, which is widely used by others, whomsoever they may be. This individual, who shall remain nameless for his own protection -- but he knows who he is! --also will never be given another chance!

Needless to say, we could not accept the so-called ANARC list, as it differed markedly from my own. However, we do recognize these limitations with my own 7 to 10-letter abbreviations, so not wishing to be hard-headedly unreasonable, we have created a new, improved four-letter list of language abbreviations. It is as follows:

Signar-Iersian	AFES
Soloranian	HELI
Balunhi	LOES
Burmesa	MAES
Engi	PIIT
Catalan	SOES
Emilian	PIES
French	FFFF
Italian	IESI
Nbunda (Nbanda Group)	NBUD
Nbunda (Kimboko Group)	NBUD
Javanese	ASKJ
Sinhalese	SINS
Siako Siensis	SIKS
Vignur	IGHH

The original abbreviation for Assamese, as submitted by our "friend" was omitted by the editor for reasons of good taste. For those with limited understanding and recognition of certain foreign languages, we will accept the following abbreviation -- XXXX --- in lieu of any of the above.

Here are some further guides to reporting. These suggestions, humbly made, are, of course, mandatory!

1. Please use only one side of the paper or the other in reporting. We cannot use those written on neither side.
2. List all items in order of frequency, in either direction. That is, either 9750 kHz or 6570. It makes little difference to us.
3. Mail your reports to arrive by the 1st Monday of the month, three months in advance of publication. This deadline is firm.
4. No carbon copies of reports acceptable. Crayon, however, is ok for our younger members.
5. Exact format used in the Bulletin must be followed by reporters. Reports not so submitted will be immediately burned and a burly, unemployed ex-longshoreman will be sent to your house forthwith to punch you out!
6. You must identify your reports with your IACDXA callign. If you don't have one, you can easily get one and we'd be delighted to tell you how!

These simple rules will make our club better and better and will, if followed, keep you out of serious trouble!

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
OCTOBER, 1977

AN APOLOGY: The Report From Headquarters is a bit abbreviated this month due to the deadline slipping up on us while we were involved in other things. Here's what we have.

HAUSER AND LINEBACK ELECTED: With the voting for the two additional Executive Council members having concluded on September 15 as announced in the August issue of FRENEX, Glenn Hauser and Jerry Lineback have been elected as the new members.

We were pleased that the voting on the candidates was more active than on the previous issue requiring a membership vote. 114 members cast 237 votes for the nominees, so we appreciate the increased interest in club affairs. We hope the expanded Executive Council will result in an improved organization.

LAST MONTH'S COVER: Last month the FRENEX cover featured NASWA member Rita Vermetti shown in her radio shack. Mrs. Vermetti's QTH is in the Marshall Islands.

INFORMATION WANTED: We have lost touch with NASWA charter member and former FLASHSHEET editor Al Niblack. Al retired from the FRENEX staff a couple of years ago after editing the section for some ten years or more. The last two FRENEX's sent to Al's last known address in Vincennes, Ind. were returned as undeliverable and no forwarding. We hope some of the older NASWA members may have had recent contact with him in some fashion and could provide information as to Al's present whereabouts since we would like for him to continue to receive it.

DXING ACCORDING TO NASWA: Just a reminder that our publication "DXing According to NASWA" as announced in the August FRENEX is still available. Although many members have already ordered, it may be that some may have intended to but have not gotten around to it. This 136 page handbook is priced at \$4.00 postpaid anywhere in North America or \$6.00 worldwide via airmail.

DX HOTLINE SUPPORT APPRECIATED: For a while we were afraid that the recent problems with DXH would cause many to lose interest in future support of this NASWA publication. We are pleased with the content of the first four editions, and Tom Alleman is to be congratulated on taking over in such fine fashion. Likewise, the membership is to be congratulated on their support in contributions to and as well as in renewing subscriptions.

NO NASWA DIRECTORY: In a past report from HQ, we hinted at the possibility of publishing a membership directory for 1977 as we did in 1976. After analyzing the time involved as well as the cost of doing this, we have abandoned the project for this year.

NO ROLL CALL THIS MONTH: As mentioned in the opening remarks, time slipped up on us, so we will try to include the September list in with the October list next month.

* * * * *

HELPING HAND: For sale. Hallicrafters S-40B. Needs some new caps and re-adjustment. Will take \$45.00 plus postage. Mono reel-to-reel. Needs work but would make a good DX recorded. Will take \$10.00 plus postage. Contact Frank Aden, jr., 1535 N.W. Ithaca Avenue, Bend, OR 97701.

HELPING HAND: A real oldie. Have Hallicrafters Super Sky rider SX16 put out in 1938. Will trade for a second set or what have you. Also have Drake SPR-4, but must be picked up, will not ship. Contact Alfred Lisanti, 921-72 St., Brooklyn, NY or call 680-8164.

HELPING HAND: For sale. Realistic DX-160 receiver with manual and in original carton. Only 3 months old. \$100.00 plus shipping. Contact Stan Griffin, 305 E. Broad St., Apt. C, Ozark, AL 36360.

shortwave CENTER

JERRY A. LINEBACK, EDITOR
P. O. Box 325
St. Joseph, IL 61873

OCTOBER 1977

Your editor is back at his typewriter again after a month's visit to the United Kingdom, reports of which are included in this month's Shortwave Center. An apology to those whose correspondence was delayed in my absence. Thanks to our contributors for this month. We need your articles on any subject related to Shortwave Radio Broadcasting and the reception of same. Timely material should be so labeled and be in my hands by the 10th of the month to insure inclusion. Hope you enjoy this month's offerings.

THE SUPERHET RX

BASIC CONCEPTS OF THE SUPERHETERODYNE RECEIVER

Block diagram theory of single and double conversion superheterodyne receivers

by James B. Wilson, Jr., 836 West Rose
Lincoln, Nebraska 68522

THE SINGLE CONVERSION RECEIVER

What is conversion? Conversion is the process of changing an incoming radio frequency to the intermediate frequency or IF. We can do this using the heterodyne process. You may be familiar with heterodynes, especially in the crowded shortwave broadcast bands of today. These heterodynes are two SWBC carriers beating together to produce a loud audio frequency tone. For an example, if I am listening to Radio RSA on 9585 kHz and BBC comes up on 9580 kHz, I will no doubt hear a 5 kHz tone - this is the difference between the two carriers. It was created because both carriers mix in the receiver (the detector in this case) producing both sum and difference frequency components. The sum component is too high to bother us in this case, but the difference falls into the audio range and becomes that annoying high frequency (in this case 5 kHz) tone we hear.

In the case of the superheterodyne receiver we use this mixing or heterodyne principle to our advantage. One note here is that the mixing we are using is non-linear and will produce sum and difference frequencies derived from the original frequencies. Do not get this confused with audio mixing which is linear and does not produce other frequencies. When using the heterodyne principle we use a local oscillator to mix with the incoming frequency and convert it to the intermediate frequency. An example of this would be if we wished to receive a signal on 5000 kHz, we would tune the local oscillator to 5455 kHz and apply both signals to a mixer (tube, transistor, FET, etc.). The output of this mixer would then be the original frequencies - 5000 kHz and 5455 kHz, and the sum and difference - 10455 kHz and 455 kHz. We could then use the 455 kHz signal as our IF.

What is Intermediate Frequency (IF)? IF is just that - an intermediate frequency. Intermediate between the incoming radio frequency (RF) signal and the desired output signal - audio frequency.

Why should we change to the Intermediate Frequency? This is a good question. It is possible to construct a receiver that goes directly from radio frequency to audio. Many of you have done this with a crystal radio set. Another way to do it is known as a TRF or Tuned Radio Frequency receiver. It uses two or three RF amplifiers tuned precisely to the incoming signal and then a detector is used to demodulate the AM signal. The only problem is that this will only work at low frequencies and is very critical in tuning, having to tune each RF amplifier to precisely the right frequency each time we need to tune in a new station. By using an intermediate frequency we only need to tune it once to a fixed frequency. This allows us to take great care in tuning it as it only needs to be done once. We can also use filters, such as mechanical, ceramic, and crystal, which are only capable of operating at one center frequency. We can also choose the value of intermediate frequency that will give us the best operation.

What determines the Intermediate Frequency? Many factors go into the choosing of an intermediate frequency for a particular receiver. The IF determines the bandwidth or

selectivity, the sensitivity, and also the image rejection capabilities of the receiver. Let's talk about each one of these factors individually. The first is bandwidth or selectivity. Selectivity is the ability of the receiver to pick out one station from among many others. This means that the receiver's bandwidth must be narrow enough to pass only one signal and reject nearby signals. We can increase selectivity in many ways. One way is to use several tuned amplifier stages. The more tuned amplifier stages in the IF, the narrower the bandwidth. It is also easier to get a narrow bandwidth when using a low intermediate frequency. In fact the lower the frequency the narrower the bandwidth that can be obtained with a given number of tuned amplifiers. In the IF stages we can also use filters to obtain the desired bandwidth and therefore use a smaller number of IF tuned amplifier stages. The filters also allow us to change the bandwidth by switching in different bandwidth filters. Crystal, ceramic, and mechanical filters are used in IF stages to obtain the desired selectivity.

Sensitivity is the measure of receiver gain, or its ability to pick up a weak signal. It is usually measured in microvolts (μV) at +10 dB S+N/N. This measurement tells us how many microvolts of radio frequency signal, at the antenna terminals, it takes to bring the signal 10 dB above the noise at the speaker output. The sensitivity is determined by the total receiver gain. The majority of gain is to be found in the IF section. This means that the more IF tuned amplifier stages a receiver has, not only is the selectivity improved, but sensitivity as well. This is true up to a point, that point usually being the value of atmospheric noise present. The receiver needn't be more sensitive than the noise that will be present.

Let's take a look at the block diagram of figure 1. This shows a single conversion superheterodyne receiver. The dotted line between the RF amplifier and local oscillator indicate that both of these are tuned by the same knob. So when we tune the local oscillator to its correct frequency we simultaneously tune the RF amplifier to the incoming signal. As an example - the RF amplifier is tuned to the incoming RF signal frequency, let's say 1000 kHz. The local oscillator will then be at 1455 kHz. When these two signals are mixed we will produce sum and difference signals. The difference will be 455 kHz - our intermediate frequency in this case. This 455 kHz signal will contain the same modulating signal as did the original 1000 kHz RF signal. It will then be amplified and filtered from any other signal in the IF stages. After it is amplified sufficiently it is applied to the detector which converts the AM signal into audio. It is then amplified still more in the audio amplifier and then fed to the speaker.

This should give you a good idea of just how the superheterodyne process works. It's the IF stage or stages that determine selectivity, sensitivity, and, oh yes, image rejection.

What is an Image? Let's go back to one of our examples - the incoming RF signal was 1000 kHz and the local oscillator was tuned to 1455 kHz, when mixed the difference was 455 kHz, the intermediate frequency. There is one other signal (besides 1000 kHz) which when mixed with the 1455 kHz local oscillator will result in a difference of 455 kHz. That frequency is 1910 kHz ($1910 - 1455 = 455$). So if these two signals are present they will both result in a signal being received. If 1000 kHz is the desired signal, then 1910 kHz would be the image frequency.

There are two ways of obtaining good image rejection (reducing the receiver's response to image signals). One is to use a selective RF amplifier. In the mediumwave band the RF amplifiers are selective enough so that an IF of 455 kHz gives adequate frequency separation of the desired signal and the image, and allows the RF amplifier to select one from the other. However at the higher shortwave bands an IF of 455 kHz does not give adequate separation of image and desired signals. This means we must use a higher intermediate frequency to increase the frequency separation of image and desired signal. In this way we give the RF amplifier enough room to filter out the image.

Unfortunately, when we do go to a higher intermediate frequency, our gain and selectivity fall off. If you'll remember, this is what determines the receiver's sensitivity and selectivity. It would seem that to get good image rejection we would have to sacrifice sensitivity and selectivity. To get around this we can go to a double conversion superheterodyne receiver.

What is double conversion? Double conversion is using two different intermediate frequencies. Take for example the block diagram of figure 2. This shows us that a double conversion receiver uses two local oscillators, two mixers, and two different intermediate frequencies.

The first local oscillator is usually variable along with the RF amplifier and will determine the received frequency. The first intermediate frequency is chosen high, such as 5 MHz, to improve image rejection. As an example, if we wanted to receive BBC on 6175 kHz, the local oscillator would be tuned to 11,175 kHz (5 MHz above the incoming signal). The difference between these two signals would then be 5 MHz and this difference

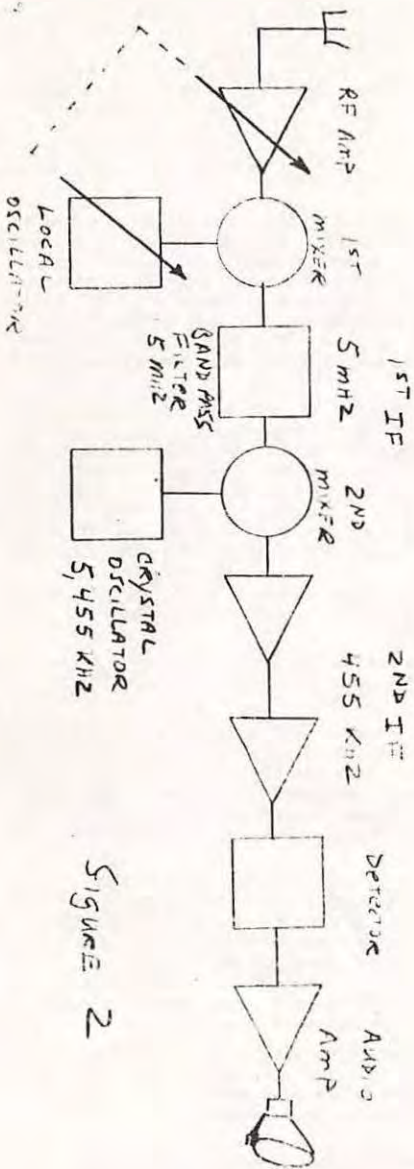


Figure 2

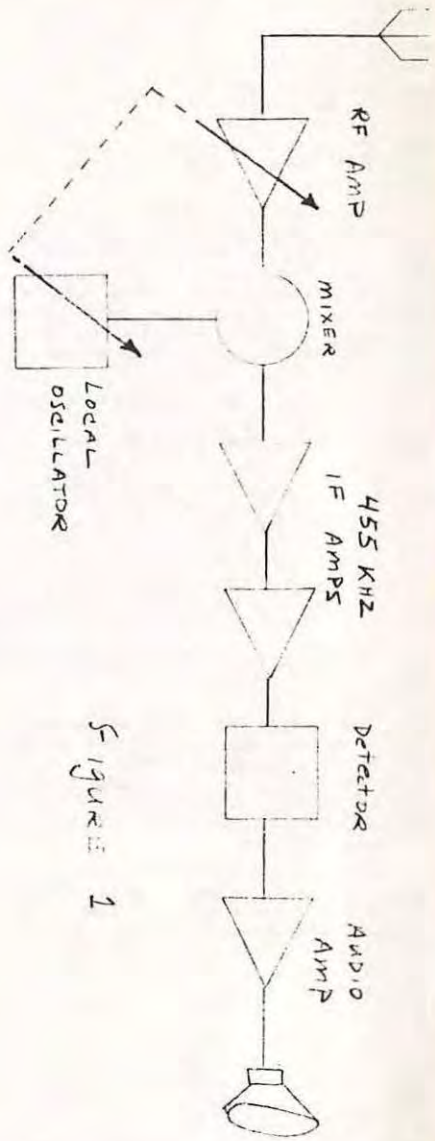


Figure 1

signal would pass through the first IF. Incidentally the image would be at 16175 kHz (16175 - 11175 = 5000 kHz) and would be well outside the passband of the RF amplifier.

The first IF stage is usually only a tuned circuit or crystal filter as most receiver gain takes place in the second IF stage. This 5 MHz IF signal is now passed into the second mixer where it is mixed with a frequency of 5,455 kHz from the crystal controlled second oscillator. The difference of these two frequencies would then be 455 kHz, the second intermediate frequency. In the second IF stage the signal will be amplified, filtered, and finally demodulated at the detector.

What the double conversion receiver has accomplished for us is a high first IF for image rejection, and a low second IF where most of our selectivity and gain are obtained.

DX-40

MORE ON THE DX-40 PORTABLE

by Roger N. Peterson, New Canaan CT

I had been toying with the idea of buying a portable to take on vacation but felt that spending \$130 or \$150 for one was somewhat extravagant since I already have a good Drake SSR-1. Then I read Jeff Jefferson's report in the July FRENDX about the Radio Shack DX-40 for \$49.95. I went to my local Radio Shack and tried one out and found it every bit as good as Jeff reported. In fact, I used it with the whip antenna only and still got excellent results - at least for the "powerhouses". It's one fault is, as Jeff said, difficult tuning. It does have a "fine tuning" knob which will help bring the harder stations in. I wouldn't recommend it for serious DXing, but it works fine as a set to take away with you or for listening in the back yard.

TAHITI

A VISIT TO RADIO TAHITI

by James Hill, Madison, WI

During the cold cruel winter of '77, my wife and I were fortunate enough to take a vacation in French Polynesia. While sightseeing in Papeete, we decided to see if we could find the offices of Radio Tahiti. I wanted to see first hand where all that beautiful island music and those naked girl QSL cards came from.

After some directions from a local tour guide, we found Radio Tahiti on the Rue Dumont D'Urville, among a collection of white government buildings and just behind the very modern and impressive Tahitian assembly building. We entered the station and were greeted by a pretty Tahitian receptionist and several of the French staff gathered around her. They all shook their heads "no" or shrugged when I asked my first big question: "does anyone here speak English?" We were about to leave when the girl motioned us to enter another office. (By the way, many of the Tahitian girls are as beautiful as the travel posters suggest.) One of the D.J.'s was introduced to us, a M. Patrick Covet, who could speak a little English. His D. J. name was "Benjamin". M. Covet gave us a tour of the station, highlighting the radio studio with its three turntables and the miniscule TV studio. There is approximately 5 hours of TV broadcasting each day and M. Covet explained that they receive tapes of American shows (e.g. Mannix) dubbed in French. In two years they expect to have colour transmissions. A somewhat disconcerting sight when visiting Tahiti or nearby Moorea are the numerous TV antennas popping up everywhere.

Perhaps the best part of our visit was a talk with the station manager, M. Michel Satti. With M. Covet as a translator, we attempted a conversation about reception in the U.S. (as I had experienced it), verification policy, and Radio Tahiti in general. M. Satti said that they appreciated reports but regretted that they could not return tapes sent by listeners. I asked about return postage, but this did not get through the translation. He mentioned that they were trying to improve their verification performance and asked if listeners were having any problems getting QSLs. I mentioned that I had not read of any problems recently. At that point M. Satti reached into his desk, presented us with a souvenir QSL and asked (with a smile) if listeners appreciated their new card. In case you haven't got one, it is a multicolored card with a red haired "nude cutie" on it. We were also given a car sticker and two souvenir pens. I think it is safe to say that all reports should be sent in French, since the staff (except for M. Covet) does not speak English. The 10 minute English newscast at 1900 GMT is prepared by the local English language newspaper staff, and is piped into the larger hotels for the benefit of tourists on the island.

Overall, we had an enjoyable visit and were warmly received. However, if you are thinking of putting R. Tahiti on your Tahitian tour itinerary, I would suggest that you don't. They are obviously not equipped to handle English speaking visitors. And I think we learned a few things about visiting foreign stations from this experience. For instance, make an appointment ahead of time and bring along some useful information about reception

conditions that the engineers might appreciate. It should be a visit where both sides benefit. Either speak the primary language of the station personnel, bring along someone who does, or arrange your visit to coincide with the presence of the English language section. Finally, prepare a list of questions beforehand and, of course, always be very courteous.

Radio Tahiti can be heard most evenings around 0300 on 11825 kHz. Just listen for that island music. For a more factual view of the programming and historical aspects of Radio Tahiti, see Mr. Lloyd Kantor's fine article in the April 1976 issue of FRENEX.

HAP

HANDICAPPED AID PROGRAM NEWS - EQUIPMENT DRIVE

During this year, the Handicapped Aid Program has experienced a rapid growth among disabled people entering the Shortwave Listening hobby. Our present membership totals about 200 people.

For the first time since the formation of HAP, we have developed a backlog among members who are in need of shortwave receivers. In order to continue helping the disabled person break up those endless hours of loneliness and boredom, we urgently need the assistance of the DX community.

Many of our handicapped listeners cannot afford their own gear. All of us could probably look around the shack and find a piece of gear that we have no further use for. Be it an old but usable receiver that has been replaced by one of those shiny new rigs that does everything but cook your supper, an extra set of headphones, an antenna tuner, or any other hobby related equipment, we can use it! Do not stash that old but faithful set in the corner for the spiders to enjoy, donate it to HAP and let your retired but usable set bring the same satisfaction to a handicapped listener that it brought to you.

Since our help call went out we have received a few receivers but we can use more. HAP will assume all shipping costs. For those of you who would like to donate equipment contact: Wayne Davis - Hap Director, 27 Cleveland Ave., Trenton, N.J. 08609, U.S.A.

BBC

A VISIT TO BUSH HOUSE

by Jerry A. Lineback, St. Joseph, IL

Your editor spent August in Great Britain attending an international geological meeting with field trips. I was able to see a good cross section of Britain and recommend Britain to all potential international travelers. I took along my XCR-30 and was able to do some listening from various locations. I got a good idea what reception conditions are like there.

I have often admonished traveling DXers to visit shortwave radio stations in the countries they travel to. So I could not be accused of being hypocritical, I dropped by Bush House for a talk session with some folks at the External Services. I should mention that I made arrangements about 6 months in advance by letter and a good thing I did too. As it was, the poor guy that got stuck with the Yankee tourist (me) only found out a week in advance.

The staff was somewhat shaken by the recent "think-tank" report on the BBC (see IN-8, Sept FRENEX, p. 23). They were marshaling their supporters to fight any implementation of the suggested cuts.

I want to thank Derek Cutner, Reg Kennedy, and Dennis Thompson for providing information and escorting me through the Bush House maze.

Facts about the BBC

The British Broadcasting Corporation is an independent organization responsible for public service broadcasting in and from the United Kingdom. The letters BBC were first used in 1922 when the British Broadcasting Company was formed and when regular daily broadcasts began. In those days the BBC was a commercial organization, but a commercial organization with a difference. It operated under a Licence on conditions which would have prevented it - even if it had wanted to - from turning broadcasting into a money-spinner for shareholders. From the start, it placed the interests of the public above all. The result was that within a few years, Britain had developed a genuine public service broadcasting system, paid for by its audiences through their broadcast receiving licences.

Five years later, in 1927, the company became the British Broadcasting Corporation, a public corporation constituted by Royal Charter, neither a government department nor a commercial concern.

MANAGEMENT

The controllers of the Corporation are its Governors, 12 in number, each of whom is appointed by the Queen in Council for a limited term - normally five years - and who remain in office irrespective of change of Government. No Governor is a representative or delegate of any outside interest, but is left free to guide the BBC according to his best judgement with a clear and undiluted responsibility for the BBC's affairs. The method of appointment by the Queen in Council (meaning the Privy Council) on the recommendation of the Prime Minister inhibits a Prime Minister from packing a Board of Governors entirely with persons of his party, for the Queen is above party strife. Once appointed, the Governor is a "Trustee" of the public interest in broadcasting, responsible to the general public, but accountable to the Crown in Parliament - "public interest" rather than "national interest" because the latter carries overtones which the former does not.

The Governors appoint the Director-general, the chief executive officer of the BBC, and other senior staff and then leave him, with his fellow executives, to implement policy. There is constant dialogue between Governors and Management. The BBC also enjoys the advice of 73 advisory bodies and National Broadcasting Councils for Scotland and Wales.

FINANCE

The BBC's domestic services consist of two national colour television channels, four national radio networks, regional television and radio services and 20 local radio stations. The BBC also provides programmes in English and 38 other languages to listeners outside the United Kingdom.

Some 97 percent of the BBC's income for financing the domestic operations is derived from the sale of licences to householders owning television sets; only one licence is required per household, regardless of the number of receivers. (The present fee is about \$50, a rather stiff tax on people who make only \$5-10 thousand per year.-editors comment) Licences for sound radio only were abolished in 1971. rest of the revenue comes from the profits of BBC Enterprises and BBC Publications and from payments from the Open University for its programmes produced and broadcast by the BBC.

The extra cost to the BBC of operating the External Services is not a charge on the licence revenue. The External Services are financed by annual parliamentary grants-in-aid. Although the Treasury pays the bill, the Government's rights extend only to deciding which languages should be used for broadcasting and the number of hours of each. The editorial control of what is broadcast rests entirely with the BBC.

NEWS

Main sources of news for all the BBC's broadcasting services are the BBC's own foreign correspondents. Their dispatchers are supplemented by reports from the national and international news agencies, the BBC's Monitoring Service and home-based reporters.

The BBC External Services broadcast more than 250 news programmes every day. They are all prepared - initially in English - in a newsroom which, with an editorial staff of well over 100, is the biggest in the BBC and one of the largest in the world. The aim in preparing news bulletins, as in all reports on events, is to give the facts objectively and with the greatest accuracy that careful checking can provide.

MONITORING SERVICE

An important source of international news is the BBC Monitoring Service which reports on the contents of selected broadcasts from foreign radio stations. It provides the BBC itself and government departments with a round-the-clock service which supplements agencies' and correspondents' reports. Through its daily publication, Summary of World Broadcasts, it also supplies on subscription detailed political and economic information to other governments, news agencies, and newspapers, universities, and research institutes. Over 400 news bulletins, commentaries, and press reviews are monitored daily at the Service's headquarters, Caversham Park, some 50 miles from London. Through an exchange with monitoring partners, primarily the CIA, there is regular coverage of 120 countries in some 55 languages at economic cost.

BBC EXTERNAL SERVICES

BBC External Services broadcast to the world in English and 38 other languages for over 100 hours every day. They are financed by annual parliamentary grants-in-aid. The government prescribes the languages which are broadcast and the length of time each is on the air, but the editorial control of what is broadcast rests entirely with the BBC. Programmes are designed to give news, reports of world events, and project a broad picture of Britain's life and thought.

The main programme in English is the BBC World Service, on the air continuously for 24 hours a day and addressed at peak listening times to all parts of the world. It is unique among the world's international broadcasters in providing a comprehensive news and

programme schedule. Direct-listening audiences are greatly augmented with foreign radiostations in about 50 countries supplementing their own output with daily relays of BBC news and other programmes. In addition, many programmes are supplied in recorded form to overseas radio stations.

BBC English by Radio and Television, the largest English-teaching organisation in the world, prepares lessons for broadcast, supported by published courses, cassettes and discs. Some 300 stations in over 100 countries broadcast these and other specially-prepared lessons and English by Television programmes are sold to some 60 countries.

Programme hours per week

English	227½	Bulgarian	12½	Persian	8¾
French	42½	Romanian	14	Tamil	1¾
German	24½	Russian	32	Urdu	8¾
Greek	10½	Serbo-Croat	14	Cantonese	5¾
Italian	7	Slovene	2½	Standard Chinese	10¾
Portuguese	8¾	Hausa	7	Indonesian	8¾
Spanish	7	Somali	5½	Japanese	7
Turkish	7	Swahili	7	Malay	1¾
Czech	14½	Arabic	63	Thai	7
Slovak	7	Bengali	8	Vietnamese	8¾
Hungarian	18	Burmese	7	Spanish for I/A	28
Polish	21½	Hindi	15½	Portuguese for Brazil	15¾
Finnish	8½	Nepali	¾	Maltese	¾

The above was compiled from information supplied by BBC Public Relations. The items presented below are from interviews conducted at Bush House by your editor.

BBC RELAYS

Dennis Thompson of BBC engineering explained the reasoning behind the Antigua/Montserrat relay. It is a joint BBC/DW project with 4 transmitters, 2 each). Its purpose is to provide improved service to the Americas.

Signals transmitted from BBC's Ascension Island relay site in the South Atlantic and beamed toward northern South America and North America pass through the region of the equatorial electrojet. This often gives the signals a fluttery type fade. Transmissions to North and South America from the UK often pass through or near the Auroral zone in the northern polar region. Therefore service to North and Central America and northern South America was not consistent. The BBC attempted to solve this problem by relaying from Sackville, Canada, or via the VoA. However such arrangements always put BBC programs behind Canadian or VoA programs in scheduling for prime time. Such sharing arrangements are obviously unsuitable for 24 hour operations such as the World Service.

It is also desirable to have relay sites arranged so that target areas can be served by one skip paths on low frequencies (49 metre band) in order to provide local quality service to unsophisticated portable radios owned by many residents of tropical areas. Since there are several islands and countries in the Caribbean that could be served by such services in English and many more by Spanish, it was decided to establish a Caribbean relay. It was politically safe and economically feasible to use the two neighboring Leeward islands of Antigua and Montserrat. The venture was conducted jointly with the Voice of Germany (DW) because DW had had similar desires to improve reception in the Americas. The dramatic improvement in BBC reception as a result of this new station has been noted across North America. 49 metre band transmissions to the West Indies have proven to be very popular as indicated by recent response to the broadcast of test cricket matches. Also many stations in Central and South America can now reliably relay BBC Spanish programs. The BBC indicates that they consider the relay site a success.

The BBC is moving its Malaysian relay site to Singapore. The move will result in some reduction in service, particularly to the subcontinent. These areas will be covered by an expansion at the Cyprus relay. There are plans to add shortwave at the Masirah Island site off Oman. This site was damaged by a storm recently (see LN-10, August FRENIX, page 26).

GENERAL IMPRESSIONS

The BBC external service staff I talked to all feel strongly that they are providing a necessary and useful service for Britain and the free world. BBC's editorial policy of impartiality should not be interpreted as neutrality in the east-west ideological battle. However, they desire to keep the credibility that they have developed as an

truthful source of news and information. They value that credibility and want to continue the policy so that they can increase listenership and influence.

I, for one, hope they can inspire of Britain's economic problems and the potential threat of "think-tank" white papers.

The BBC and the Think Tank

You will by now have heard, read or seen that a team set up by the British Government has produced a report on British Representation Overseas. It notes that the BBC has a worldwide reputation for the high quality of its broadcasting and that its External Services can justifiably be claimed to be one of the UK's success stories. Nonetheless the report recommends in addition to reductions in the Diplomatic Service and the near abolition of the British Council, swinging cuts in the External Services of the BBC. These "options", as the Central Policy Review Staff (the "Think Tank") calls them, would include a cut of eight hours in the present 24-hour cycle of World Service and the complete abandoning of our listeners in vast regions. Apart from a proposed total close-down of Bush House from 2000 - 0400 GMT the report calls for the ending of twelve language services: French (both for France and for Africa), German (for the Federal Republic), Finnish, Portuguese, Spanish, Italian, Greek, Japanese, Somali, Tamil, Nepali and Burmese, as well as the daily transmission in Maltese. This is one-third of the existing total.

The Report's proposals are only, we stress, proposals and, indeed, we hope they will never be implemented.

World Service coverage would be radically curtailed:

The proposals include:

- no transmissions to North America, Australia, New Zealand, Western and Southern Europe
- no broadcasting at all between 2000 and 0400 GMT and therefore no service for the large evening audiences in Europe, Middle East, Africa, Western Hemisphere
- no breakfast listening in S.E. Asia, Australia, Indian Subcontinent, USSR East of Moscow, Iran, the Gulf, East Africa



Austen Kark



Sir Michael Swann

- no special alternative transmissions for South Asia
- some reduction in alternative transmissions for Africa

Moreover, the adjustment of World Service programming to fit within a 16 hour rather than a 24 hour schedule would inevitably affect the overall mixture of programme elements. It would be difficult to maintain the present carefully preserved balance between news and information, cultural programmes and entertainment; and some important and popular elements would almost certainly be reduced or lost altogether.

Editor of World Service, Austen Kark, comments: "These proposals - if they were ever to be approved by the British Government - would mean that millions of World Service listeners would lose contact with London and the BBC's tradition of round-the-world and round-the-clock public service broadcasting. It would be a sad day for our listeners, a sad day for the BBC and a sad day for Britain."

The Report has been criticised by the Chairman of the BBC Sir Michael Swann: "If the Report's recommendations are accepted Britain will be seen to have deliberately withdrawn from the dominant role it has played in world broadcasting since 1940. It will have made way for its ideological competitors at a time when External Services' effectiveness is at its highest and the need for their contribution at its greatest. While the BBC welcomes the CPRS's emphasis on the need to improve audibility, which it has itself been stressing over many years, it regards the drastic proposed reductions in broadcasting as an inordinate price to pay for a programme of modernisation which has been officially recognised as necessary since 1965."

Reactions to the CPRS proposals came in immediately, the first being

from a World Service listener in Melbourne who teleaxed his protest at 0300 GMT. Many more have come in since. The press in Britain was generally critical:

"(The BBC) ... is an object of respect all over the world. Even the Tankers admit that: 'External broadcasting can justifiably be claimed to be one of the UK's success stories'. Why then seek to limit it?"

Sunday Times, 7th August

"For millions of people across the world the voice of the BBC is the voice of truth ... If the Think Tank's proposals are accepted, Britain will be gagging itself. BBC overseas broadcasts have a bigger world audience than any rival. And, more important, a bigger reputation for truth."

Daily Mirror, 4th August



Gerard Mansell

The Managing Director of External Broadcasting, Gerard Mansell, has pointed out that the cuts amount to 40% of the broadcasting output as a whole and yet would only result in a saving of 10% in revenue. He characterises the Report as pessimistic and over-simplified.

"It overlooks the role which continues to be played by the UK in upholding the values of free and open societies and the influence which it is able to exert, through the BBC, in the dialogue between rich and poor, black and white, totalitarian and free. It is through the dissemination of information about our ways, institutions and achievements that people all over the world are able to retain an awareness of and a faith in the validity of democracy and the rule of law as a way of running a society. This is a contribution which Britain is well placed to make towards a kinder, more tolerant and more stable world. The CPRS proposals would have the effect of gravely impairing the BBC's ability to make that contribution. The repercussions of such drastic surgery in terms of Britain's image abroad would be immense."

The R 388

MORE ON THE COLLINS R388/URR

by Chuck Hutton, Decatur, GA

The article in August SWC by James Wilson on the 388 was very interesting. As a long time owner of the 388 and as of earlier this year a R 390A owner, I have a few additions to make. Sensitivity is listed as 1 uV on all bands, but indeed the figure is given in the manual as better than 5 uV except on band 1 where the figure is 15 uV. In practice the sensitivity of my unit was 2.9 uV with no modifications; after addition of mechanical filters and a slightly improved RF stage, the sensitivity jumped slightly to 4 uV. This was due to the insertion loss of the mechanical filter which degrades the S+N/N ratio. Filters for the 500 kHz IF of the R 388 are very rare. It took me almost a year to find a pair. I suggest that those wanting filters look for them in the "Ham Trader Yellow Pages" where they show up a couple times a year.

A word of caution on the R 388. The PTO is perhaps the worst of all the Collins units in terms of long term stability. It is said that there are two kinds of 388 PTO's, already out of alignment and those headed for the same. Those of you that own a 388 probably have noticed the need to rezero the dial every 100 kHz or so. This is caused by aging of the PTO. It is possibly to redo the PTO, but it is a nasty business, involving pulling the unit and taking turns off the adjustment coil. It is possible that the adjustment in the unit has not already been used up. If such is the case try adjustment of the small slug that sticks out through the front of the PTO. Collins sells a special bent and twisted screwdriver that enables you to adjust it without pulling the PTO or removing the front panel.

As for the remarks on selectivity, I don't think very many people will find 6 kHz at 6 dB and 17 kHz at 60 dB to be "adequate". The crystal filter must be brought into play for most receptions, with its attendant narrow nose and wide skirts. A mechanical filter will correct this problem and make the R 388 the equal of the R 390A in my opinion. The phasing notch is the best I have ever used, and has proved extremely useful in tight squeezes.

The RF stage uses the 6AK5, a sharp cutoff tube. An improvement in gain and better strong signal handling capability can be had with the 6BZ6, a semi-remote cutoff tube. No wiring changes are necessary.

Exalted carrier reception can be a big help. The Heathkit Q-multiplier can be retuned to the 500 kHz IF of the R 388 by moving the slug in the inductor. No loss of Q is apparent.

For any hams in the audience, the cathode follower can be converted into an excellent product detector. I have a schematic available for an SASE to 1035 Latham Rd., Decatur, GA, 30033. Also I have a schematic for the mechanical filter adaptor that plugs into the first 455 kHz tube socket. It contains a stage of amplification to replace the pulled tube, a mechanical filter, and a stage of amplification to compensate for the high insertion loss (25 dB) of the filter.

The noise blanker used is ineffective against atmospheric static, sideband slop, and most electrical noise. If you want something that will do the job, I suggest one of the series noise limiters that automatically adjusts itself to the level of the received carrier. Some of the old Hammarlund rigs I have owned used this type circuitry and it is effective for MW and SW DXing. Above 20 MHz use something like the Twin Noise Squelcher.

Some of you might be interested in a comparison of the R 388 and the R 390A. Without mechanical filters there is a most decided advantage to the 390A. With filters in the 388 I will give just a slight edge to the 390A as the front end is a slight bit better and the filters used in it are the best ever made by Collins (a shape factor of 1.8 as compared to the usual 2.5-2.7). In DX terms, you will miss just a little with a stock R 388, and probably nothing with a 388 with added filters (or the 51J4 which has filters).

VOA

VOA BY SPACE

Voa news release via Jim Halsema, Washington DC

At 0400 GMT on 19 June 1977 the first 24 hours per day service by international satellite was provided to Voa user a contract with AT&T Long Lines, Washington DC. This service interconnects Voa Master Control with the Rhodes and Kavala relay stations. This single program grade (audio 100 Hz to 5000 Hz) circuit is now being used 16½ hours per day to deliver programs for retransmission to Voa listeners.

A check of several U.S. carriers indicates that this particular type of service is the first of its kind. The continuous service by international satellite for broadcast grade audio overseas had, as far as can be determined, never been established before.

12 Reports indicate results in the rebroadcast signal were excellent.

AWR-Asia Becomes New Southern Asia Outreach

By ADRIAN M. PETERSON

ADVENTIST World Radio has added a new station, AWR-Asia, to its list of international shortwave stations. For some years now, Seventh-day Adventists have been represented on the international shortwave bands by AWR-Europe, broadcasting from the Deutsche Welle facilities in Sines, Portugal, and Cyclops, Malta.

AWR-Asia has been organized as such only during the past year, after approval was granted by the AWR board at the General Conference for Southern Asia to operate its international shortwave radio outreach as AWR-Asia. However, although the name is new and the concept has been borrowed from AWR-Europe, Adventist radio broadcasting on the international shortwave bands in Southern Asia began in 1950, some 27 years ago.

The first broadcasts were the half-hour Voice of Prophecy, heard from the old Radio Goa. This was only a small station at the time, broadcasting with one kilowatt in the 49-meter band. However, the station grew, and for a while Adventist broadcasts were heard twice each Sunday, on two different outlets for each broadcast. Later in 1950, Radio Ceylon introduced a commercial service, and programs were beamed to Africa, the Middle East, Southern Asia, and Southeast Asia. At the time, Radio Ceylon operated the most powerful shortwave radio station in this part of the world. The station was established by the British Broadcasting Corporation and had many transmitters.

Seventh-day Adventists were quick to seize the opportunity and were the first organization to sign a contract with Radio Ceylon. The first program from this station was

likewise the familiar, half-hour Voice of Prophecy. Quite soon, Adventist programs in Arabic and Farsi were added, as were other programs from Southern Asia.

Your Radio Doctor, which now has a worldwide audience, was begun by Clifford Anderson for use on Radio Ceylon. This program began on June 6, 1953, and Saturday evening at 7:00 P.M. is still—after all these years—its time-honored slot. The mail response to this program is greater than all other AWR-Asia programs combined. A modernized version of Your Radio Doctor, known as Modern Ways to Health, is being developed in the major languages of Southern Asia.

In order to cope with the production of all these new radio programs for Southern Asia, a production studio was installed in 1954. This was subsequently enlarged and is currently producing nine programs a week in seven languages.

For a while, and at different periods, Adventist programs have been broadcast from other shortwave stations in Southern Asia, such as Radio Afghanistan, Radio Nepal, Burma Broadcasting Service, and the Maldives Island Broadcasting Service. However, the many programs from the Sri Lanka Broadcasting Service, Radio Ceylon, have been the main broadcast thrust of the Adventist Church's work in this part of the world. Currently there are 15 programs broadcast each week from SLBC, and an additional broadcast began in the Garo language from Radio Bangladesh in Dacca.

According to the latest available statistics, SLBC has an audience of between 10 and 20 million people. According to the same survey, 50 percent of the shortwave radios in Southern Asia are tuned to SLBC. This is prob-

ably the largest radio audience in the world listening to a single radio station.

Since the organization of the radio outreach in Southern Asia, the mail response has increased significantly and a new group of people is responding. AWR-Asia has now become recognized as an international shortwave station in its own right and is regularly accorded extensive news coverage from other radio stations such as Radio Australia, Radio Nederland, Radio NZ, Radio Sweden, FEBA Seychelles, HCJB Ecuador, and Deutsche Welle, Germany. AWR-Asia is also accorded regular coverage in the international DX press.

Many of the people who have written in originally for QSL cards in answer to their reception reports have afterward written again, asking for enrollment in a Bible course.

AWR-Asia is cooperating with AWR-Europe in several projects, such as listener response, reception reports, and the DX service programs.

In Southern Asia, where live nearly one fourth of the world's population, AWR-Asia is pledged to do its part in carrying the gospel to everyone.

From the "Review and Herald" an Adventist Magazine. Via Bill Sandborn, Savannah TN

Predicting magnetic storms

Geomagnetic storms are disturbances of the earth's magnetic field that cause a large number of phenomena from spectacular auroral displays to disturbances of radio communication. Their periodic occurrence has led to attempts to link them to solar phenomena. Now observers at Kitt Peak National Observatory have found that geomagnetic storms can be predicted by watching the appearance of holes in the solar corona (SN: 12/18-25/76, p. 399).

Coronal holes are regions of the sun's corona in which the magnetic-field lines open outward and the density falls off, allowing a larger amount of material than normal to flow out into the solar wind. This produces an increase in the speed and the amount of the solar-wind material, which is mostly charged particles. The increased solar wind passes the earth about seven days after the appearance of the coronal hole, and the increase in charged particles going by causes disturbances of the geomagnetic field. With regular observations of the sun by the Solar Vacuum Telescope at Kitt Peak, observers find they can get a week's warning of the occurrence of geomagnetic storms.

From Science News

NASWA SPECIAL PUBLICATIONS

Special Publication 1, KEEP IT QUIET by Morgan Monroe. 10 pages on reducing noise in shortwave reception. \$1.00

Special Publication 2, PRECISION FREQUENCY MEASUREMENT by Charles Taylor. 12 pages on a system designed to measure frequencies as close as 1 Hz. \$1.00

Special Publication 3, INTRODUCTION TO SHORTWAVE PROPAGATION by John Tuhscherer. 6 pages of introductory material on radio wave propagation in the ionosphere. \$0.75

Special Publication 4, in press, watch for future announcements about a 32 page summary of results from the NASWA listeners survey conducted by K. A. Elliott.

Thanks to all our contributors for this month. 73s till next FRENDX.

Listeners NOTEBOOK

OCTOBER 1977



• Editor: Glenn Hauser, WUOT, U-Tenn.,
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PROPER CREDIT Other clubs and broadcasters may use material from LN provided due credit is rendered to the original reporter and the NASWA Listeners Notebook. This courtesy does not extend to closed organizations such as Fine Tuning, Numero Uno and the Ontario DX Association which do not allow reciprocal access to their publications. BEC Monitoring Service items are copyright and may not be further reproduced without BECMS permission. All times, days and dates in LN are day/month GMT u.o.s.

ENGLISH SCHEDULES ZAMBIA R. Zambia's external service, mostly in EG but also with clandestine pgms in Afr langs; Sun only at 0550-0715, 1050-1215, both on 17895/11880/7235. Daily 1550(Sun 1650)-2010(2005 Mon, Tue) on 9580/7235/6165/6060. General Service, partly in EG, on 7250 (120 kW) 0630-1400; 4965 (2.5 kW) and 3346 (120 kW) at 0350-0530, 1530-2010(Sat 2105); and 6165 (50 kW) at all times. Specific sked for separate "Home Service" not given; 0350(Sun 0440)-2005(Sat 2105) on a selection of frags drawn from 9505/7220/6060/4911/3295 (ZBS via BECMS 7/77) HS on 4911 now to 2201* ex-2015* (Harvey Saward, Tasmania, RA DX 28/8) See Program News, LN-8

VATICAN (ITALY) Vatican R. EG to NAM 0100-0115 on 5995 (BEC QRM), 9605, 11800 (Wood, NH)

USSR R. Vilnius EG at 2230-2300 on 665/1106/1554/6100; 2300-2330 on 9600/9720/11720/15180/15405 (A. Slinkovicius, RV, 23/8 via David Gerard Duke, El Paso TX)

URUGUAY New international service on 9515 in EG nx at 0310-0325, announced as for Europe; (Pitt McNeil, TDXN) Repeat from earlier? (gh) SODRE announced it intended to begin an international svc as from 15/8 in Spanish at 2200-0400; frags not given but usuals are 9620/15275 (Hozaclo A. Nigro, Montevideo, SGDX 23/8) 9515/11885; EG 0335 (Nigro, SGDX 13/9)

UK BECMS 11780 to NAM sked 2115-2245 did not materialize; when 15260 closes at 2115, listeners are advised to tune straight to 9580, but 11750 is better (Richard Wood, NH, 7/9) Yes it did; I hear it, but with declining TA condx; IBA, Jamming and Brasil, it isn't much use (gh) See also ANTIGUA LN-10

UGANDA Depending on propagation, UBC often booms in over RCI-15325 at 1800-1830. Not heard here in months on 9730 (Bruce Barker, Houston TX, 25/8)

TURKEY R. Ankara EG to NAM/Eu 2200-0030 on 7175 ex-11880 // 9515. From 2300, 7175 intensely mixed with R. Moscow NAM svc (Richard Wood, NH, 7/9) From 2200, even (gh) **TUNISIA** LN-10

SWITZERLAND SEC S77 changes: 1100-1130 Af 15230 ex-15140; 1315-1345 As 15350 ex-11775; 0430-0500 NAM on 6045 ex-11715 (via Hank DuRant, MD)

SWEDEN Initial RS S77 sked: 1100 9630 Eu, 15305 (occ. omitted Mon) AuNZ, 21690 Af; 1230 15120 Eas, 15305 NAM, 21690 Af, 1400 15315 SAs, 15305 NAM, 17735 SAs, 1600 6065 Eu, 9665 Eu, 11740 ME; 1830 6065 Eu, 11790 Af, 15240 Af, 2100 6065 Eu, 9605 ME, 11845 Af, 2300 on 6120, 9695, 11705 NAM; 0030 9590 NAM, 0230 6105, 9695 NAM (via Charley Hoffman, PA) 6105 was FR instead one day when I checked, while its sked 6115 was missing (gh)

SURINAM "Radio SES, Radio 725" was heard 21/8 on 4780/725 with a new "Sunday Show" in EG at 0340-0430 (Caversham, BBC WRC 24/8) **SRI LANKA** LN-10

SOUTH AFRICA R RSA S77 changes: 7270 ex-4875 at 1556-1650, 2056-2150, 11800 ex-5980 at 2226-2320 (via Charley Hoffman, Hank DuRant)

SAUDI ARABIA BSXSA EG sked on 11855 to NEAGAF, 1100(Thu, Fri 1000)-1250, 1900-2200 (BECMS) **KUWAIT** See LN-10

JIBUTI The Radio Service of the Rep. of Jibuti can be heard in EG at 2130-2145 on 4780 (H-J Kursen, Dortmund, GFR, SGDX 30/8) They may transmit, but being heard is something else

JAPAN R. Japan S77: 2015-2045 MEANAF 9700/7250; 2345-2445 NAM 15270/11705; 0130-0230 NALAs & Hawaii 15195/15420/17725/17825; 0800-0830 Eu 17825/15325; 1830-1900 Eu 9605/7195; 0930-1030 ANZ 15235/11875; 1115-1145 SEAs 11875/9675; 1630-1700 SAANAF 11705/9670. General Service: to As on 17880 0100-0715, 15195 0800-1115, 2200-2415; 11815 1200-2115. to Au, 15105 at 1900-0415; 9505 0500-1815. to Eu, 15310 0100-0515; 17795 0600-1115; 9585 1200-2415. 15 min on the hour exc. 30 min at 1000, 1400, 2300 (R. Japan via FE DX Review)

IRAN VOI EG retimed to 2000-2030 on new 15084 (Hadley Cress, VA, 28/8) Completely distorted in the voice mode; music is fine. Sounds completely over-modulated and not using limiter. (Jim Conrad, IA) I agree. Pgm was on at 1900-1930 till Ramadan when Iran & others went off DST; formerly on 9022 only, hard to hear in NAM, while 15084 is a cinch, summers anyway (gh)

GERMANY WEST DW to NAM now sked: 0130-0150 on 6010/6040/6075/6100/9565/9605/11865/9590. 0530-0550 on 5960/6100/6185/9545/9650. Still using unsynchronized GFR and Malta sites on 9565; still QRHs RAI on 6010 (Richard N. Allen, OK) GUAYANA LN-10

FINLAND R. Finland after a few days on 11735 to NAM 2330-2400, returned to 11755. Didn't make much difference (Richard E. Wood, NH, 7/9) More on LN-9

CHINA R. Peking EG sked monitored in August: 55-min xmas; *SSB; Tirana not included.
 08½ Pac 9460 11600 11720 12450 15060 *15480 20½ Afr *6550 7620 8345 11660
 09½ Pac same as 08½ 17635 20½ Eur 6590 6860 7590 *8660 9030
 12 NAM 6995 8425 11685 21½ Eur 6590 6860 7590 *8660 9030
 12 SEAs 9290 9470 11650 12450 15270 *15480 00 NAM 6810 8300 11945 15060 15520 17680
 13 SEAs *8660 9290 9470 11650 12450 15270 01 NAM 6825 8240 *8450 11375 11455 11945
 14 SAs 6810 9860 11650 15060 12055 15060 15165 15435 17680
 15 SAs same as 14 02 NAM 8240 10865 11455 12055 15060 15435
 16 Afr 4020 *6550 8345 9860 11650 *17490 17680
 17 Afr 4020 5296 *6550 8345 9860 11650 03 NAM 8240 10865 11375 *11630 11650 12055
 18 SAs 1210 6590 *8660 15060 15165 17535 17650
 19½ Afr *6550 7620 8345 9470 04 NAM 8240 10865 *11630 11650 12055 15060
 17535 17650
 (Hiroyuki Nagase, FEDXR 27/8)

CANADA ROI no longer transmits 30-minute pgms in EG at 1530, but instead 15 min ea. of FR and EG (BECMS 18/8) A pity, too, since the Daventry relay put ROI's feature programs into many parts of Asia at a relatively convenient listening time (gh) BENIN LN-10

BELGIUM For S77 BRT moved NAM svc at 0015-0045 to 6065 ex-9730; I feel it might need to be changed (Bruce Boomer, WV) They announced they would extend to 45 mins. I only hope they can secure some clear channels (Ed Insinger, NJ) Beginning Sep. 25. They also announced 9680 for SAM in EG at 0015, and to Af at 1630 to 15280 ex-15285. Monson also asked for response to the idea of Dutch lessons (Wildor Pickard, IL) Nothing but jamming here on 9680! New green ORU sked shows Af retimed to 1715-1800, also to NEU, on 9755/11940 as of 25/9. Is that when Belgium, like France goes off DST? R. Nederland about to repeat Dutch by Radio(gh)

OTHER SCHEDULES YEMEN SOUTH Aden 7190 obs 2300* during Ramadan (Wood, 7/9)

VIETNAM New station is R. Bac Tay (Dai Phat-thanh Bac Tay) on 4792, found by Naoyuki Tsukamoto of Tokyo on 6/9. Sked *1200-1430*, all pgms are their own in VT. The strongest Vietnamese stn on 60m! By the way, R. Tay Bac untraced on 4770/6330, or UNID 4772 (Isao Ugusa, Japan, 11/9) Tay Bac noted at 1100-1445* on 6327/4770, both irregular. I have surveyed other Viets as follows: Hanoi 3998/4945/6447 0900-1630*; 4998/6428/7417/10224 *0930-1600*; 10058 0200-1630*. Tay Nguyen 7512, 0900-1500; 9838 same and sometimes 0300-0500. Viet Bac: 6907v/4099v 1100-1400, neither noted in July, latter maybe on 4108. Hue 4681 1100-1400; again not heard late July. Ho Chi Minh City 9621 0400-1600; 6165 0800 past 1100; 7175/7246 are inactive. Quang Ninh 4697 cannot be heard here (Mike Willis, Victoria, DUDXS 31/7)

USSR Yakutsk now hrd on 3 channels: 7345 at 2059-1215; 7265 2059 past 1500; 4800 evening-night in Japan. Local pgm usually at 2145, 2230, 0910, etc. (T. Saito, FEDXR 27/8)

USA WINB's projected D77 sked starting in Nov: 1700-1830 15375; 1830-2000 15355; 2000-2200 on 11775 to Eu; to SAM 2200-2400 15385, 0000-0300* 11710 (Bill Greenwald, WINB) Bill added that his Mail Call program might be moved to 1845, since WINB will not be on to Eu at 2230.

(cf Sept LN-5) WYFR S77 to Eu/Af: 17875 EG 16-17, 18-21; AR 17-17½, FR 17½-18. 17865 EG 16-17; AR 17-17½, FR 17½-18, GM 18-20. 17845 EG 16-20. 15440 GM 16-17, 19-20; EG 17-19, 20-21. 15110 EG 16-20, RS 20-21. 11815 RS 20-21, SP 21-23. 11705 EG 20-23. 9690 EG 21-23 Sat & Sun, *1230-1550 EG on 15110 & 17865 (R. Australia DX 29/8) Now here's WYFR D77 to Ams: 1) 21-23 SP 15130/17845, 23-01 SP 11855/11885/9555; 23-24 RS, 00-01 GM 9525. 01-02 SP 9525/9555/11855/11885; 02-03 11885/5985/9555/9525; 03-05 11885/5985/9715/9525. 01-05 EG 6155. Sums only: SP 13-1551 17730/15440/17845. (via Richard Swanson, IA)

TAIWAN Jun 77 sked of Central Broadcasting System, SW portion, in Mandarin: 0100-0345 on 3345/6040/6087/7250; 0345-0700 on 3230/3335/6040/6087/7150/7250/9690/11905; 0700-1000 on 3230/7150/9690/11905; 1045-1600 3230/6040/7150/7250; 1600-1615 3230/3335/6040/6087/7150/7250/9690; 1615-1900 same plus 11905; ditto at 2045-0100. 1045-1600 Hakka 3335, Cantonese 9690; Shanghai 6087. On 11905, Mongolian 1000-1130, Tibetan 1140-1310, Uighur 1320-1500 (Satoishi Wakisaka, FEDXR) Contrary to BECMS, CBS does not use 6565/6940/8745/8790 (Isao Ugusa, FEDXR)

SWEDEN 6175 is a new RS freq for S77, sked in SP at 00, 01½, 03; also new SW 02 on 9590 (sked via Charley Hoffman, PA) 6175 QRM BBC-Antigua, 9590 QRM RN-Bonair; extremely poor choices; what do they think they're doing at STA? (gh)

SRI LANKA Contrary to Sept LN-5, SLBC on 11800 not 11835 at *0030, 1730* (Richard Wood, NH)

SRI LANKA VOA S77: 7110 (10 kw) 0045-0315, 1300-1800. Rest 35 kw: 11745 0045-0330; 11935 1300-1700; 11940 1700-1800; 15185 0100-0330; 15240 1245-1800, times approx (VOA via gh)

SOMALIA Mogadishu-9585 1000-1230 in AR/EG/IT/FR; 1230-1530 in Afar, Amharic, Galla. 9585 is // Hargeisa-11645 and 7120, but not synchronized--may be up to 90 sec apart. At 1530-1630 Swahili on Mog. only; 1630-1930 Arabic (BEC WRC 24/8)

SAUDI ARABIA During Ramadan, BSKSA Riyadh 7110 0134* (Richard Wood) BSKSA External Service sked in non-EG: 05-07 FR NE&GAF 11855; 1300-1355 IN, 1400-1455 UR both 17770. 1500-1555 FS 11855; 16-1655 SH 21530/11855. 17-18 Turkish 9545; 17-19 FR to NE&GAF 11855 (BBC Aug)

PARAGUAY R. Nacional, Asunción on new 9735 // 6025 and 920, fairly regular. MW sked is 1000-1800, 2100-0300 (Tony Jones, Paraguay, 4/9)

NIGERIA Obs since 12/8 show VON on new 11770 (// 7275) ex-15120 at 1430-1530 Hausa to W&C&SAF plus EG 1530-1700 Af/ME. Also carries 1800-1930 EG to Af/ME/Eu // 15120, and FR to Af/Eu at 1930-2030. A second channel not confirmed for 1930 FR (BECMS 18/8)

MALDIVES RM has dropped 31m and 3522, so the sked is now: 0500-0900 7225; 0900-1300 6150; 1500-1730 4740 (Victor Goonetilleke, on R. Nederland 25/8) for later info, LN-10:

LAOS New service from Houa Phan National Radio is hrd since late Aug on new 4320 and 6200 at *1255-1345*. Tnx to Bob Hill for 4320; (Isao Ugusa, 11/9) Oops, Bob Hill doesn't exist as far as NASWA is concerned, or is it vice versa? (gh)

KOREA NORTH Here is R. Pyongyang's extensively revised schedule, complete: (BEC MS 8/77)

04-0550	FR	Eur	11531	9420	11-1250	EG	Ams	11531	9977	3890	19-2100	FR	AsAf	11531	6338
											20-2130	KR	ROK	6400	6250 3320
											20-2150	EG	Eur	9420	6575 3560
04-0600	AR	AsAf	9977	7203 3890	11-1800	KR	ROK	6400	3320						
06-0750	EG	Eur	11531	9420	12-1400	SP	LAm	9420	6770						
06-0800	FR	AsAf	9977	7203 3890	13-1450	EG	SEAs	9977	7203 3890	21-2150	KR	Eur	11531	6338	
											2130-22	KR	Jpn	6400	6250 3320
08-0850	KR	AsAf	9977	7203 3890	14-1450	KR	LAm	9420	6770	22-2250	KR	SEAs/LAm	3890	6770	
08-0950	FR	SEAs	11780	6770 3560	15-1650	EG	AsAf	9977	7203 3890						
09-1050	RS	FE	9977	7203 3890	15-1700	AR	AsAf	11531	6338	22-1030	KR	ROK	6400	3320	
09-1455	JP	Jpn	6540	3015	17-1850	EG	AsAf	9977	7203 3890	23-2450	EG	Ams	11531	9977 3890	
10-1050	KR	SEAs	11780	3560											
10-1200	SP	LAm	9420	6770											
1030-11	KR	Jpn	6400	3320	17-1900	AR	AsAf	11531	6338						
					19-1950	KR	Eur/N&M&Af	9977	9420 7203 6575 3890						

FEDXR agrees completely except 11728 and 11532 and 6576 (gh)

JORDAN Amman new on 9530 for 2300-2330*, relay HS in AR // 7155. Apparently the new xmtr: 13/8 (Bob Padula, ADXN)

INDONESIA (Cf Aug LN-5) RRI Jakarta - Programa Nasional on 7070 (not 7270); often hrd to 14-00*. No sign of Lao; Programa Nasional on 15202 hrd at 0200-0800 (Wakisaka, Osaka, Japan, 1/9) RRI Palangkaraya on new 5205 at 1440 (Robert Yeo, Victoria, RA DX 11/9) *1124 abruptly (Harvey Seward, Tasmania, RA DX 11/9) RRI Banjamasin on new sked; stn is principal outlet in the Insular Service No. 3: on 3250 2200-0100, 0900-1500; on 5970 0400-0700 (Seward, 28/8)

GUAM After almost 3 months of testing, KTWB began regular programming 4/9 on this S77 sked: 11780 0900 EG, 0930 JP, 1000-1100 EG. 11750 1015-1100 EG. 11705/9640 1100 GN, 1130-1300 MN 11705/9670 1300 VT, 1330 Lao, 1400-1500 Cambodian. 15155 2100 RS, 2200 JP, 2300 MN // 11705, 0000-0100 RS. 15155 or 15175 2200-2300 IN, 0000 VT, 0030-0130 EG to SEAs (Gerry Bishop, RIB)

GERMANY WEST Now it's legal! DW has written in "für Europa" next to 3995 kHz formerly shown as to NAM at 2200-0550 in GM (via Hank DuRant, MD) Tho in S77 sked, DW not using 6135 at 0400-0530 in GM; Switzerland still there. Using unsynchronized GFR and Malta sites on 9735 at 0200-0430 in GM (Richard N. Allen, OK) ETHIOPIA LN-10

ECUADOR HGJB changes as of 15/9: 11725 ex-11715 2200-0100 in PT, JP; 15295 ex-15345 2200-0130 in PT, JP (R. Stubbe, Programa DX, 13/9) S77 sked to Au: 11900 0630-1000, 9745 0700-1030, 1230-1300; 6160 0830-1200. 6160 appears a foolish choice - station obviously unaware that 'local' coverage of Bogotá's Em. Nueva Granada gives a decent signal way out here in Australia! (Bob Padula, ADXN) That's OK; clears one freq at least! (Jack Jones, MS)

DODECANESE IS. VOA Rhodes for S77: (50 kw) 5965 0400-0600; 6015 1615-2200; 6070 0200-0400 7110 0345-0600; 7205 1615-2015? The last abuts or overlaps Woofferton (VOA via gh)

CYPRUS CBC English to UK has added 6150 for the Fri/Sat/Sun BGs at 2215, also on 9700 and 7190 (BBC WRC 14/9) I suspect there are two errors in this one: Greek, not English, and 9770 not 9700: At least I hope they got 6150 right (gh)

CHINA Some obs fall freqs; for R. Peking, SP 2300-2355 15045, 15520; 0000-0055 7120V, 9780 (both Albania), 11945, 17635; 0100-0155 on 15305; 0300-0355 on 11945 (Richard Wood, NH, 7/9) Españanto now sked at 1130-1125 (sic) to Af on 6995/7350/8425/9860; 1230-1255 to SEAs 6825/8240/11980/15080, both Sat/Sun; and 2000-2025 Eu daily 5220/6410/6860/9030 (FE DX Review)

BOLIVIA Updating the list in Sept LN-3;

3396 R. Charcas, Montegudo (new) 2200-0300 (Sun 2200-0200)

4938 R. Norte, now *1000 Mon-Fri, with educational programs (ex-*1100)

5020 R. Cuarto Centenario, Tupiza, daily to 0230* (do not confuse with R. 2 de Febrero 5020)

5582 R. San José, has slightly extended weekday xmsns, to 0315* or 0345* (varies daily)

5955 R. Pío Doce, noted from before 0915 once in Aug, ex-*1000; regular reception impossible

6015 R. Animas, new freq ex-4965. *1100 (Sun 1200) (Tony Jones, Paraguay, 4/9)

ALBANIA Tirana relay of R. Peking noted 7/9 on 7123.5 rather than 7120, with usual SP 0000, EG 0100, SP 0200, EG 0300, // usual 9780. Perhaps to avoid Cairo LAM & NAM svc then on 7120 (Richard E. Wood, NH)

MISCELÁNEA RADIAL UNIDENTIFIED On 2/9 I turned a rx on at 1854, on 15000 to find WWV partially blocked by a signal of approx. same level, intermittently modulated like CW. When not modulated caused het to high side of 15000. Same story at 2130 check, and QRMing signal duplicated at 25 kHz intervals from 15025 to 15200, but quite weak at 15175 and 15200. Then noted on 14975, 14950-strongest of all, 14925. After a powerful obliterating buzz on all freqs 2142-2146, they were all gone, not to return until 1800 3/9 (Hadley Cress, VA) I've heard it too; it's teletype with spur problems, also messing up Iran-15084 (gh) Also hearing regularly Arabic on 15177 at 1800-2100; poor signal, no ID hrd; could be Cairo ex-15175 (Cress)

VIETNAM (Cf LN-2) R. Quang Ninh's freq varies between 4692 and 4707 in August (Ugusa, FEDXR)

USSR Soviet Radio Plays 'Laudered' Anthem. Moscow (Reuters) -- The Soviet national anthem was sung on Moscow Radio yesterday for the first time in over 20 years. It had been performed without words since 1956, when Nikita Khrushchev denounced dictator Joseph Stalin, who was praised in the original text. The new version, approved by Kremlin leaders last May and published the following month, proved to be highly similar to the old one -- but with all references to Stalin removed, replaced by references to Lenin. The tune was apparently unchanged. (The Star-Ledger, 1/9, via Ed Insinger, NJ) The new words can be heard at Alma Ata's sign-on 0000 on 11950. This choral version replaces the former orchestral rendering. Morning exercises from a Soviet stn on 7200 are heard 0115-0130; this may indicate location in, or beam to, GMT plus 5 zone, e.g. Sverdlovsk. On 7/9, one of the tunes played by the pianist to accompany the exercises was "Mack the Knife." (Richard Wood, NH) Isure it wasn't "Mayak the Knife"? Yuk, yuk. They used to play the anthem at closing of R Moscow's NAM service just before 0400, maybe still do (gh)

USA VOA Bethany producing strong harmonics. 12060, 6030 x 2 2330-0100 with AFRTS, and on 12080, 6040 x 2 at same time with Voz de la OEA and VOA, 6/9 et seq. (Richard Wood) Tentatively, the first xmsn from Okeechobee's WYFR is to begin during the November 1977 season (WYFR D77 sked) So it could be as late as March (gh) I bet the UNID testing on 15110 at 1053-1108 heard in Holland per SDGX 23/8 was WYFR (Magne, PA) I'd rather think it was Equatorial Guinea, cf Sept LN-7 (gh)

UKOGBANI LN-10

TAIWAN (cf Jun LN-3) As far as I have obs, CBS does not use OOB freqs. Some DX bulletins report CBS as BCC. However, letter from CBS says BCC and CBS are different stations; BCC broadcasts world wide; CBS beams towards the mainland of China. Knohslung Fishing News Station returned to 1700 ex-1690 kHz, checked 31/8 (Satoshi Wakisaka, Osaka) Cf Oct LN-2, 10

SYRIA went back to GMT plus 2 on 15/8 when summer time ended. Likewise TUNISIA on 16/8, back to GMT plus 1 at the start of Ramadan. (BBCMS 18/8) As Ramadan processes earlier and earlier, soon there will be no DST left at all! (gh)

SWITZERLAND (Cf Aug LN-7) SBC is seriously investigating whether listeners want it to try SSB broadcasts next year, by sending out a detailed questionnaire, asking among other things that listeners try tuning to SBC AM xmsns with the BFO on to see if they sound better. If you're not on their mailing list, write SBC "SSB", P O Box CH-3000 Berne 15, and ask for a copy (gh) My initial obs is that SSB rarely improves usability of the SBC signal. SBC modulation is superior to most and I can usually hear that thru the roughest QRM (Durant, MD)

SINGAPORE hrd on 23880, 2 x 11940, at 0500 (S. Abeyasinghe, UADX 31/8) For 1 x 11940, LN-10

PHILIPPINES (Cf Aug LN-6) There has been widespread speculation on the location of a Mystery Station, on 15200, generally during Australian daytime; plays continuous mx, generally repeated every 1/2-hour, with no mnmts. A recent overseas report suggested strongly that this was RA-Darwin. Propagation studies suggest it is located north of Australia, on exactly 15200. Robert Hanner believed it could be a Philippines xmsr, possibly Veritas. Robert Jones has the answer: VOA-Philippines, listed in an internal VOA monitoring sked as a "test frequency" and heard by Robert on 13/8 at 2315 with closing theme mx for "Breakfast Show" segment. Robert is an official VOA monitor. This should now stop all sorts of unlikely locations being stated as 'correct' for this transmission! (Bob Padula, ADXN)

PARAGUAY R. Guaira is on 5980 ex-4975 (ADXCI via WRTH LA News via TDXN)

PAKISTAN Heard on 14270 in Urdu at 1430, 2 x 7135 (A. J. Sampath, India, UADX 31/8)

OMAN Hurricane damage to BBC Eastern Relay Station. The storm lasted from 13 to 17 June. Southern regions of the state of Oman and Masirah Island in particular, were the hardest hit and storm damage was extensive with some loss of life, the destruction of hundreds of homes and severe damage to local agriculture, govt buildings and installations and the BBC station which was closed from the effects of this storm from 0200 GMT on 13/6. Fortunately there was no loss of life amongst the 70 staff at the relay base, the xmr bldgs escaped relatively lightly and the xmr equipment suffered only superficial damage. The 700/701 kHz towers are down and tho the 1410/1412 kHz towers still stand the feeders to both aerial systems are badly damaged. Two rhombic receiving aërials out of three still stand tho both are damaged. 95% of the power house roof was blown off but the engines appear to be intact under the debris. It was thought that 1410/1412 operations would be back in a few weeks (BBC via DX Digest via DUDXS)

MONTSERRAT The facility here has been off the air for a few weeks due to 'technical difficulties' according to info from the BBC's Technical Services to our Sydney member, Bob Williams. The Montserrat freqs deduced by Robert Jones and Robert Hanner have been proved correct, as those have not been heard since mid-August. Here is a LW-Montserrat sked for S77, which may not be complete, or even 100% accurate: 6145 GM 0600-0950; 9590 SF 1000-1120; 11865 1200-1220 GM; 11970 GM 1300-1320; 9590 EG 0130-0150; 9650 EG 0530-0550 (ADXN)

MEXICO XEMW 15160 continues active, obs 1500-1700 (Richard E Wood, 7/9)

MALAYSIA Kuala Lumpur has a Chinese HS relay for overseas listeners on 7220, noted at 2335. This xmn has existed for years, but still unlisted in WRTH (Bob Padula, 7/8, ADXN)

LIBYA (Cf Sept LN-4) Unless my sources fail me, Jamahiriyah is Arabic for "Republic"; and stamps are to be inscribed "Arab Socialist Republic" (Bill Matthews, OH) Tnx, Bill; where you been? (gh) You are probably confusing memories of the old name of the UAR, Al Jumhuriya al-Arabiya al-Mutahida. But in that, it's Mutahida that means "United" while Jumhuriya -- a better transcription that Jamahiriyah, means "Republic" (Richard Wood, NH) Fine, but the question remains, why do they use that one Arabic word in the English names of their station? Maybe they aren't sure how to translate it; LN-10 (gh) Mebo II still heard here occasionally on 6205v with poor to very good sigs. Noted 18/8 with usual closing annt at 2300 lacking any ID (Kent Willis, KY) Here's why they're parked in Libyan waters: The Mebo II is replacing two MW stns at Tripoli and Benghazi while they are off the air for alteration work in connexion with a power increase and the general frequency changes on MW in 1978. "Radio News" also quotes Mebo owner Edwin Bollier as saying it's possible they will carry an international service at the end of the present tests (Jonathon Briggs, DSWCI August)

KOREA NORTH (Cf LN-3) The weekly output of Pyongyang radio's external services was increased by 165 hours five minutes, from 430:30 to 595:35 when the revised schedule began (BBCMS) Not including the xmsns on 6400, 6250 and 3320, an FEDXR graph indicates that up to 10 transmitters are used at once, tho most of the time it's 8 or 9 (gh)

ISRAEL In Jerusalem you may have trouble hearing the IBA shortwave xmsns, so try the 88.2 MHz FM STL instead (Ben Dalfen, IBA DX Corner, 11/9)

INDIA Delhi English nx at 0830 hrd on 19180, 2 x 9590; and Urdu 0830 on 19350, 2 x 9675 (A. J. Sampath, India, UADX 31/8)

ETHIOPIA The RVORE was on 6010 effective 21/8 it soon returned to 6015, and moved 7180 to 7165 (Victor Goonetilleke, UADX 31/8)

ECUADOR HCJB 11725 producing a strong spur on 11617, during PT 2300-0000* 4/9 and regularly. Stayed on 11915, not sked 11845 at 0030-0700 (Richard Wood) Yes, the HCJB "Final S77 schedule" was anything but, fortunately (gh) More on LN-10

CHILE R. Nuevo Mundo on 5955 ex-5950 (ADXCI via WRTH LA News via TDYN) R. Portales back on 9571 after several months' absence; low powered. CB114 R. Nacional, Santiago, noted irregularly on 9530; good strength; new xmr? (Tony Jones, Paraguay, 4/9) R. Nacional on new OOB 14520 0015-0115 in SP; nx at 0030 announced as relayed by about 40 stns. Good strength; probably new high-powered xmr ann'd as recently inaugurated by Gen. Pinochet (Richard E. Wood) Wasn't it on SSB, like when I heard it on 14530 as in Sept LN-2? (gh) Voice of Free Chile on new freq around 15128-15129 in EG 0215, SP 0230 (Roger Stubbe, HCJB DXPL 15/9) I found it closer to 15130 but still hetting NZ to 0352* (gh) Also reported by (Rojewski, WA)

GONGO Has anyone noted 15190 gone for a while? Seems not continuous as before; but 4765 noted at 0530 with good signals (Kent Willis, KY) Yes, I've missed it too (gh)

COLOMBIA New on SW is R. Sonar, Ocaña, 4915, per the stn (Tor-Henrik Ekblom, DSWCI) R. Super de Gall jumped from 6120 to 6055, hrd at 0725, then disappeared (Jack Jones, MS)

CHINA Nei Menggu Xilingol-meng relay stn, one of the relays of Inner Mongolia PBS, changed SW freqs since 15/8, in Chinese on 7200, in Mongolian is traced on 4952 kHz (Hiroyuki Nagase, FEDXR) The first pgn of the CPBS noted on new 6920 30/8; the 11300 kHz outlet of the same pgn was disused (Nagase) Some have wondered why Peking plays some of her Russian tapes backwards (Cf July LN-3). The reason is that, a few years ago, USSR used to jam

Peking Russian pgms by playing a tape of these Russian broadcasts - backwards! - over the original Peking beam. China promptly began broadcasting Peking Russian broadcasts backwards so that Russia would reverse the tape, in usual fashion, and play it over another Peking Russian frequency. Of course, when Russia reversed the tape, it played in the right direction, since it had originally beamed backwards! Is this clear? (Mike Willis, DUDXS 31/7)

CANADA We're still using 11855 for several hours around 1900, contrary to 877 sked. It all has to do with some work on the antennas. We're installing a 17 MHz antenna that will take the 250 kW xmtrs. Unless I got my info screwed up, which is entirely likely, we will be leaving 11855 on until we get the 17 MHz antenna finished, whenever that may be, and at that time we'll put the 250 kW on the 17 MHz antenna and the 50 kW on 11855 (Ian McFarland, RCI)

CAMEROON Caversham has heard on 4750 an experimental station of R. Cameroon at Bertoun, a little town in eastern Cameroon (BEC WRC 14/9) CENTRAL AFRICAN EMPIRE See LN-10

CAMBODIA (cf Sept LR-D-11938.7) I have not heard Cambodia on 11938 for many moons, just Singapore on 11937. For that matter, 9695 to 0000 has also not been heard; 4908 remains from 1100 to 1500 (Mike Willis, DUDXS) Nevertheless, Democratic Cambodian Radio is still active, daily from around 1200 to 1300v* on 11937 (Isao Ugusa, FEDXR 27/8)

BRAZIL RNB was back 26/8 testing to 0100 on 11780. Audio sounds different; may be new xmtr; next night past 0300 (Walcutt, IL) On as early as 2115 with PT annts that new Amazonian service would begin 1/9 at 4 p.m. Brasflia time, and so it did (gh)

BOLIVIA R. Batallón Colorados, La Paz is on 6185 at 1100-0200, 1 kW (Station via WRTH LA News via TDXN)

AUSTRALIA (cf Aug LN-6, Oct LN-4) Darwin is certainly not operational, and won't be for a long time! Antennae are not available, and power for xmtrs and associated gear is similarly not connected. Only emergency power sources are available for xmtr tests, which are run occasionally into dummy loads on 6 MHz during the daytime. The underwater power cable to Cox Peninsula was destroyed by shipping. Any suggestion that Darwin is 'on air' is quite wrong; you may take it on my authority, based on a visit to the site by Adrian Peterson and from discussions with Telecom. Australia here in Melbourne. By the way, I am now working closely with TA on R. Australia's frequency schedule (Bob Padula) They should use 21 MHz to NAM this season at 0100-0300, as even 21455 beamed elsewhere is often better than 15320 (gh)

ARGENTINA R. Belgrano, listed irregular in WRTH 1977, noted 7/9 from 0000 past 0200 on 11780 with Arg/Brazil soccer (Richard E. Wood, NH)

ALGERIA RTVA is on new 15181, hrd in AR 0800 to 0900 fade (John Mainland, NZ, RA DX 11/9) Obs 0600 past 0900, QRM from USSR 15180; // 6145 (Bob Padula, RA DX 11/9)

CLANDESTINE CRANNY Obs 9/8 show the "Voice of the Free Sahara" pgm of the Polisario Front has been refined to 2200-2300, in Arabic, Spanish, occasionally French, hrd on 575 kHz only (BECMS) The "Sa" in Polisario does not stand for Sahara, but for Sakia el-Hamra (Richard Wood) I'll be (gh)

R. España Independiente (cf Sept LN-6) continues to BC repeats of non-controversial material on the 20-min xmsns at 1235 and 2005 (not Sun) (BECMS 18/8)

Comores I think it was Chris Martin in NSW who told me the French govt here has set up a MW stn to counter the independence movement; freq unk (Mike Willis, Victoria; direct) 14577(gh)

Botswana There is a strong possibility, not yet verified, that the African National Congress and Pan African Congress pgms may be carried over R. Botswana, following slow but sure alignment by that country (despite economic dependence on RSA) to these movements. Can this be checked by someone in South Africa? (Mike Willis)

R. Voice of Iran (Sedaye Mellis), known to be via Baku USSR, hrd with very strong sigs on 6025 at 1745-1815--the only Iranian clandestine on the air (Victor Goonetilleke, DUDXS 31/7)

V. of Burmese People on 6304 since 2/8 at *1030-1130*, as expected. The timing changes monthly, and this is the expected schedule: 1030-1130 in Oct & Dec 77, Feb 78; 1330-1430 in Sept, Nov, Jan; always on Su/Tu/Th/Fr only. However, in May it was at 1400-1500 (Ugusa FEDX)

V. of the People of Thailand Sakhon Nakhon, ex-provincial-level member of the Communist Party of Thailand told reports that VOPT is located at the junxion of China, Vietnam & Laos known as "Sipsong Panna" (Nation Review, Bangkok, 10/8 via BECMS) I thought Sakhon Nakhon was the name of a town, not a commie; "Sipsong" means "12" (gh)

Quân-Dội Nhân-Dân broadcast anti-communist propaganda. It was found in the Dalat region of the Central Highlands (Vietnamese People's Army paper via AFP 10/6 via Chenal via FEDXR)

R. Echo of Hope, Korean-lang, on new 3985 since 1/9 at *1400-1700* (Satoshi Wakisaka, FEDXR) Also announces old 6348 at 0200-0500, 0900-1200, no more at 1230-1530 (Ugusa, FEDXR)

V. of Liberation Army/Proletarian Battle Division/Station Sparks (Chinese lang black stns) current sked is on 7170 at *1000-1045v*, and on 7522 at *1100-1145v* with 10-14 min xmsns repeated three times. ID changes day by day; irregular; open & close w/International (Ugusa)

Fretilin radio is still active and in Timor, per various radio reports, listed as 3804 kHz. But the stn cannot be heard in Australia. Fretilin forces may control as much as one third of Timor, despite Indonesian claims to the contrary. The Indo govt has just announced a plan to step up the occupation of all Timor, and this may finally put the stn of the air. (Mike Willis, Victoria; direct)

FUTURE PLANS VATICAN (ITALY) VR has installed a new rotatable SW ant at Santa Maria de Galeria. The Telefunken ant covers all freqs 6-26 MHz, and 79m high, it's the highest of its kind in the world. Connected to the new 500 kW xmttr it should improve reception in the FE, Au and SAm. When put into service in Dec. 1977 it will replace 25 separate antennas used today (Ferriers & Nijhof, SGDX 30/8)

UKOGBANI I sent a letter of protest to the British Embassy in Washington about the proposed cutbacks in the BBCWS. Received a reply from R. A. Fyjis-Walker of the Information Department who said they were forwarding all letters to the BBC. Her last sentence was most encouraging. The Embassy has received many letters of concern, and H. M.'s Government will have to consider all these letters received when the Central Policy Review Staff's Berrill Report is debated in the House of Commons this autumn. The power of the pen strikes again (Charley Hoffman, PA) I would suggest that your business letterhead, or blank paper would be more effective than DX club letterheads (gh)

SINGAPORE/MALAYSIA Work has already commenced on the transfer of the BBC FE relay to Singapore. The move of the receiving stn is complete, and the transfer of the xmttrs has been planned to enable xmttrs to continue during the move. Day-to-day utilisation of available equipment can only be under local control and is likely to change frequently in order to facilitate this major task (BBC via David Foster, DUDXS 31/7)

PORTUGAL/JAPAN (Of Sept LN-7) To improve reception, R. Japan is to set up a relay station by renting facilities of R. Trans Europe in Sines (Minkanhos 3/9 via Isao Ugusa, Kobe) See LN-10

PHILIPPINES R. Veritas Overseas is planning to expand greatly. More xmttrs will be required and if finances permit, they will get 3 x 100 kW xmttrs (Victor Goonstilleke, via DUDXS 31/7) PANAMA LN-8

NEW ZEALAND It was announced 3/8 that RNZ is to expand its Maori and Pacific Island Unit and base it in Auckland, to provide news and pgms for both its domestic and external services. There will also be a small section in Wellington (NZDXT Aug)

NETHERLANDS ANTILLES (Of Sept LN-12) When doing my Ph.D. research on Bonaire ten years ago, the CE of TWR told me they had applied for siting on Curaçao but were referred to Bonaire because antenna towers would interfere with flight patterns to Curaçao's Albert Plesman Luchthaven (Richard Wood) I just talked to a Continental Electronics rep in Dallas. He says any talk of their being given a contract for additional TWR xmttrs in the N.A. is completely erroneous. I sure as heck wish SGDX would get their dodo together!!!! (Conrad, IA)

NETHERLANDS RNW's new site will be near IJsselstein, replacing Lopik. The minister of CRM granted construction of the 500 kW xmttrs at this site. (Maarten van Liempt, BDXG) The opposition party, VVD, has asked the govt for live broadcasts of all

The Clarion-Ledger

A-Wednesday, September 7, 1977 13

BBC Boasts Avid Listeners Worldwide

Washington Post-L.A. Times

LONDON — Every hour when the short-wave bands crackle with the sonorous alert, "this is London," millions of listeners around the world tune to the British Broadcasting Corporation.

During the recent emergency in India, thousands in that media-censored land turned on the BBC's hourly newscasts to find out what was going on.

Similarly, Portuguese Prime Minister Mario Soares says he relied on the BBC's news bulletins and commentary to make sense of what was happening in his country during a particularly chaotic period two years ago.

And in the United States, confidants of Robert S. McNamara, head of the World Bank, say that he is a regular listener of the BBC's overseas service — to see what it has to say about the state of the world.

For the BBC, known jocularly as "the beeb," boasts a regular audience of some 30 million listeners for its English-language news service, and another 40 million in other languages. Those figures can double in times of crisis.

BBC officials estimate that as many as 750,000 Americans regularly switch on the short-wave news broadcasts beamed to North America.

— Although, to many, the letters BBC signify television programming at its non-commercial best, far more listeners around the world know the BBC for its straightforward, lucid news broadcasts and analyses. The BBC broadcasts to the world in English and 38 other languages, ranging from Russian and Arabic to Nepali and Maltese, a total of some 700 hours a week.

"We broadcast in English 24 hours a day," said Gerard Mansell, the man-

aging director of BBC external broadcasting. "It is addressed at peak listening times to all parts of the world. We think it is unique among the world's broadcasters in providing a comprehensive news and program schedule.

"Direct-listening audiences are greatly augmented with foreign radio stations in about 50 countries supplementing their own output with daily relays of BBC news and other programs.

"Basically, what we try to do is disseminate accurately, objectively and comprehensively the world news."

Although most foreign listeners swear by the BBC, a recent study compiled by the British government's Central Policy Review Staff, known as the "think tank," recommended that the BBC curtail its overseas services. Specifically, the think tank said that broadcasting in European languages outside Communist Europe should cease — as should the transmissions to North America.

Further, it recommended that the program hours in all languages be reduced by about 40 per cent.

No sooner was the report published, however, than the BBC defenders reacted fast and furiously. Thousands of letters poured in from loyal listeners around the globe supporting the BBC's worldwide news programming.

"Keep the fine programs coming through," wrote Dr. Louis D. Mitchell from Scranton, PA. "It is a service that the world needs desperately."

Alan L. Van Sickle of Kennebunkport, Me., wrote: "In a degenerating world, the BBC stands like a lighthouse of integrity."

Ian P. Leighton of Altadena, Calif., said: "Please do not restrict your broadcasts to the U.S.A. I find your programs to be clear, intelligent and absolutely trustworthy."

From Norway: "Great Britain is the BBC." And from Egypt: "We depend on you."

(via Jack Jones, MS)

Parliamentary sessions. So far the Dutch govt has not reacted (Michiel Schaay, ISWCI Aug)

PANAMA (oops) (Of Aug LN-7) SW is not unlikely--two years ago Bob Hall of HOXO told me he had a 50-kW SW xmt, but could not get govt permission to start up. At that time, Panama wanted to start their own service. Hall has considered converting the xmt to AM (Kenneth D. MacHarg, IN, RIB 13/9) Per July/Aug HCJB Radio Log, HOXO is in dire straits, needing \$25,000 to buy a new AM xmt (gh)

DENMARK The English xmas of R. Denmark announced last May may never go on the air. Reason: foreign langs are apparently not allowed acc. to present statutes! (Erik Kóle, August ISWCI)

BANGLADESH The Information Secretary says two 250 kW HF xmts are being installed at Kabirpur, near Dacca (BBCMS 18/8)

AUSTRALIA The State Government intends to fight recommendations in an independent study, on the location of a new R. Australia stn in Western Australia. The Minister for the North West, Mr. O'Neill, said he would continue to press for a permanent stn near Carnarvon. He said he was concerned with proposals in the Waller Report indicating Carnarvon might miss out on the stn. In the report, nearly \$40 million was proposed for a new stn in W.A. at a site somewhere between Shark Bay and Exmouth. (VIM regional news, 2230 12/7 via Robert Jones of Sydney, ADXN, who also learned at a visit to VIM!) Funds have been granted for a 3-year site selection pgn. If the project goes ahead it should be on the air in about five years.

R. Australia, Shepparton, is planning to instal two new 100 kW xmts--Harris Gates units that have been stored in Adelaide for two years, originally intended to be placed at Cox Peninsula with the Carnarvon 100 kW xmt, for the domestic service for the Northern Territory. This latest move suggests the possible abandonment (at least for the present) of that service, as these xmts will carry RA pgs only. It will be some time before higher-powered units (250 kW) as proposed in the Waller Report, can be used at Shepparton, as four antennae will be necessary. The existing curtains can only take a 100-kW load and the new rhombics are limited to 50 kW (Robert Jones, Sept. ADXN)

PROGRAM NEWS

ZAMBIA (Cf LN-1 for freqs) Some ZBS pgs in EG: 0455-0500 GS & HS "Rural Notebook" (not Sun); 0525-0535 GS "From the Editorials" (not Sun); 0645-0700 HS "Copperbelt Magazine" from Kitwe (Sat only); 1100-1115 GS Features (not Sun) including "Farm Magazine" (Mon), "Zambian Land & People" (Thu), "Copperbelt Magazine" (Fri). 1130-1135 GS Commentary (not Sun). 1215-1230 HS "Copperbelt Magazine" (Sat); 1302-1330 HS "News Magazine" (Tue); 1330-1400 HS "Rural Notebook" (Tue); 1500-1530 HS District News (Sat); 1515-1545 HS "Copperbelt Magazine" (Wed); 1610-1615 GS Zambian Press Review (not Sat/Sun); 1615-1620 GS "Rural Notebook" (not Sun); 1630-1645 GS Zambian Press Review (Sat); 1700-1715 GS "Up-to-Date" (Mon-Fri); "Sunday Magazine". 1700-1730 GS "Events of the Week" (Sat). 1730-1740 HS "Rural Notebook" (Wed, Sat); 1815-1820 GS Commentary (not Sat/Sun); 1817-1830 HS "Rural Notebook" (Wed). GS News: 0400 Mon-Fri, 0415 Sat, 0500 Mon-Sat, 0600 Mon-Sat, 0700 Sun, 0800 Mon-Sat, 1115, 1600 Mon-Fri, 1615 Sat/Sun, 1800, 2000. HS News relayed from GS only at: 0500 Mon-Sat, 0600 Sun, 1115, 1800 (ZBS via BBCMS 7/77)

UKOGBANI Lord Peter Wimsey, played by Ian Carmichael, is back for a 6-part detective story called "Strong Poison" on the BBCWS Sats 1130, Mons 1615, Tues 2330. "Don't Miss" November programme highlights on Oct. 28 at 1415, 29 at 2315, 30 at 0515, 2015. More extensive BEC recommendations are given in Review of International Broadcasting (gh) NETHERLANDS LN-10

(AFRICA) The BEC pgn on Africa is valuable since events there are so interesting just now, and give the listener some different perspectives than the reports from Nigeria (7275 at 0600) and RSA (9585 at 2100) (Bill McMullen, Ann Arbor, MI) Main times to hear the BEC African Alternative, mostly from Ascension, are 0330-0400, 0509-0545, 0630-0700, 0730-0800, 1500-1530, 1615-1645, 1709-1745 (gh)

DX PROGRAMS

SPAIN RTVE's Spanish DX pgn is getting better and better, as they involve people who know what they're talking about. But the English version remains but a pale shadow of the original (gh)

PORTUGAL (Cf Sept LN-11) R. Portugal's DX pgn was heard GMT Sat 0315-0330, repeated 0515-0530. It is broadcast irregularly, when they have some DX tips and material available. If not, you hear four or five PT mx selections during the DX pgn time slot. If DX material is forthcoming from its listeners, it will be on the air regularly (Charley Hoffman, PA)

CANADA You have nine chances every Sunday to spend as little as 3 minutes hearing the very latest DX news long before you read it in FRENEX or elsewhere--if DXers take advantage of the opportunity to write or phone me between 0800 and 2400 ET, as late as 10 a.m. the Friday before broadcast, at WUOT, 615-974-5375, or at home, 615-577-3741, with tips for my report on RGI's DX Digest, at the end of half-hour xmas on this sked: 1800 & 1900 17750/15260. 1930 17820/15325/7130/5995. 2030 17820/15325/11855/5995. 2130 17820/15325/15260/11945/9745. GMT Mon 0100 11940/9535; 0200 11845/9605; 0300 11845/9655/9605/5960; 0400 11845/9655/5960. It's possible the 2130 xmas may eventually be different than the present repeats of 1800 and 1930 containing the DX Digest. It pays to listen to one Af, one Eu, and one Nam xmas, since different items may appear in each due to varying time availabilities (gh)

(DX PROGRAMS, continued, backing up our antialphabetical order to catch!) ECUADOR below
FINLAND R. Finland in Its Sunday Best seems to be including every week a DX Corner talk by David Mawby. On 18/9 it was at 1350. They also announced that as from November, RFIISB would also be aired at 0800 on 21505 to FE/ANZ; and the 2330 xmsn to NAM would drop (gh)

BULGARIA R. Sofia has a Spanish DX pgn on the first Weds, "Atención, Atención, Radioaficionados" (Vicente María Mauricio, Alcazar, Valencia, España, via Espacio DX-1sta, 26/8)

BELGIUM BRT4 now schedules its "DX Corner" on the 2nd and 4th Sundays in the 1715 xmsn, and following GMT Mons at 0015, in EG. The DT "Voor DXers" is at 2105 on 4th Tues on 9755/11940 whilst the SP "DX" is merely shown as Sundays (every?) at 2245-2300 on 9680 (gh)

AUSTRIA Despite its popularity among Eu listeners, due to the fact that it deals with original material, Jonathon Marks' "Austrian SW Panorama" is still withheld from NAM listeners by ORF, broadcast only at 0915-0930 on 6155/7170/9770/17735; and at 1805-1820 on 6155/9725/15335/17770, both Sundays. Write them and protest! You'll have better luck hearing the SP Weds around 1425 on 12015/7170/6155, 2235 on 15435/11895/6155; Thus 0125 11870, 0325 9650. The FR DX pgn concludes the 2030 half hour on Fris, 15320/15135/9620/6155; and Sats 0100 to NAM on 6155/9770; 0800 6155/15410/15105/17720. The original GM "Kurzwellen-Panorama" is now on Sats at 1330-1400 on 11790/7170/6155. And Mon 1930-2000 on 15320/15135/9620/6155 (gh)

ECUADOR Once I advised him of the problem, Clayton Howard seems to have mitigated the 1225 sharp cutoff of 9715 during DX Party Line on Mon/Thu/Sats; on 19/9 it ran to 1228. He also says that neither Hatch nor Stubbe's full-time jobs allow them to share DX Party Line production, as I and others have suggested (gh)

PUBLICATIONS

Frequency Measurement for the DXer is a new ARDXC publication compiled by Bob Padula. In 8 closely-packed pages, measurement techniques such as comparison to other stations, RF signal generators, crystal markers, beating with another receiver, TV sweep harmonics, the BC-221 frequency meter, digital-readout frequency meters, visual display units, heterodynes, sub-audible heterodynes, and the No. 10 calibrator are covered, including some schematics. Does not go into precision freq msmt. Price is 6 IRCs or \$2 US via airmail; 4 IRCs/\$1 US seammil. Order from ARDXC, 3 Kadana St., Oak Park, Victoria, 3046, Australia -- and tell them LN sent you. (gh)

DXing the USSR is an August 1977 revision of a previous ARDXC publication, covering Soviet geography, broadcasting structure, regional centres, propagation characteristics, classification of QSLs, and some schedules as of July which are probably already outdated. Nevertheless it is a thorough and valuable discussion of this speciality. Same cost as above (gh)

Far Eastern DX Review, Nr. 12, 27/8/77 continues its excellent coverage of the Asian broadcasting scene. This issue features an extensive monitored schedule of R. Peking's external services. Info on subscribing/contributing from NASWA member Isao Ugusa, 1-3-10 Mikage-yamate, Higashinada, Kobe, 658 Japan (gh)

Down-Under DX Survey No. 9 must be their best issue yet, dated 31 July, tho not mailed to me until 6 Sept. Lots of original DX research in it, and material not available elsewhere; a 2-page 'intruder watch' survey of BC stns monitored in ham bands, South Asian sleuth, Clandestine Communiqué, an article on Clandestine Radio Broadcasts in Southern Africa; surveys of R. Peking Russian, and R. Moscow in Chinese, showing skeds in frequency order. A survey of exactly which programs from which stations are jammed on which frequencies. Plus a summary of various other DX news items from all parts of Asia. Those contributing regularly on any aspect of Asian DX may join the DU DX Circle; but anyone may order the DUDXS--3 IRCs or 50¢ in mint Au stamps in A/NZ; 6 IRCs rest of world, via airmail, from: Geoff Cosier, 7 Donald Road, Burwood, Victoria, Australia 3125. (gh)

Keep in Touch---Radio Sweden; this message can appear in yellow letters across your breast if you obtain a blue Radio Sweden T-shirt. The postpaid price, payable by check of banknotes, is Skr. 14, DM7, 2 pounds, FFr 15, or \$3.00 US. Specify size XS, S, M, L, XL, order from R. Sweden, S-105 10, Stockholm, Sweden (R. Sweden S77 sked via Charley Hoffman, PA)

Associated Radio (cf July LN-12). This company is over-priced on almost all its equipment. The SPR-4 seems the only reasonably-priced general-coverage rx; the others are all over-priced. A better place to look for used ham/SW eqpt is "Buyers and Sellers", a company that finds what you are looking for from someone who is willing to sell. You deal almost directly instead of thru a dealer. Buyers & Sellers, PO Box 73--Kenmore Stn, Boston MA 02215 (Lauren Ware, WD4FMG, VA)

Ham Radio Horizons is a relatively new pub. SW DXers shouldn't overlook ham publications which occasionally have articles of interest. In the Sept 77 HRR, there was an article on NAM time stations (WWW, WVVH, CHU)--9 pages, illustrated, and a list of major time stations around the world. In the same issue there was an article about a group of prominent ham DXers who had worked so many DX countries in ham radio that they began secretly listening to SW and collecting QSLs from them! (Lauren Ware)

The Eavesdropping Ear of the BEC, about the BEC MS, in March 1952 Reader's Digest (Victor G)

LAST MINUTE ITEMS UKOGBANI All VOA xmsns from GB are controlled from the Crawsley receiving station which is part of the BBC Monitoring Service's Caversham complex. Crawsley is an extremely modern and well-equipped establishment--nearly all paid for with American money. SWNS strongly suspects that Washington exercises considerable control over BBC MS (SWNS Sept). Well, there are FEIS people at Caversham, but I understand they avoid meeting the occasional American visitor (gh)

TUNISIA has been heard on 14500 in its EG external service at 1930-1955 (Alan Frales, USA, SGDX 20/9) Questionable; would be 2 x 7250, tho supposedly on 7275; and since when have they had English??? (gh)

TAIWAN (Cf LN-4) There are two different "Knohsiung Fishery Radio Stations", one on 1690 kHz at 2030-1500, not parallel to 1700 kHz (Joji Takamoto, Okayama, SGDX 13/9)

SRI LANKA SLBC now testing 6185 at 1130-1730, probably also 0030-0230. Carries Channel 2 in EG // 4940. Reports to Superintendent Engineering (sic) (transmitters), SLBC, Torrington Square, Colombo (Ghan V. Dias, Mt. Lavinia, SL, SGDX 13/9)

SINGAPORE (cf Sept LR-D-3 11938.7) On 16/8 we were using a standby transmitter. We confirm that our xmsn on 11940 had drifted and this had since been corrected (Sebastian Tan, Sing Dept of EC, 7/9 letter to Walcutt)

NETHERLANDS We're all upset about the threat to the BBC, but what is R. Netherland trying to get past us in the name of advancing satellite technology? The more I hear about the programming changes in store as from November, the less I like them. First of all, three-and-a-half hours per week (per transmission) of programs are being dumped just by cutting back from 80 to 50 minutes. That adds up to a lot of programs we've come to enjoy, most of them entertainment. Even the once-sacred DX Juke Box is to be chopped to 15 minutes on alternate weeks, so they can squeeze in a rerun of Dutch-by-Radio. Newscasts are being lengthened despite this, by a few minutes, which combined with shorter programs, means a much higher proportion of news--do we really need this? The Happy Station program, may even be cut not from 80 to 50, but to 30 minutes, with the introduction of Sunday news. Among the other programs which are slated to be dropped completely are Parson's Penthouse, The Sound of Progressive Rock, What's New. Letterbox will somehow be 'incorporated' in His & Hers, a surviving program of dubious merit. The reason for all this is supposedly that there will be available only one satellite circuit to each relay base, so for instance, Bonaire could not have a Spanish and English program going at the same time. So instead of 2 evening EG transmissions of 80 mins to NAM, we may have 3 or 4 of 50, each with much less programming, and each the same. Is such a trade-off worth it? If you'd like to see DX Juke Box stay at its present length, and would like to protest the cancellation or shortening of other programs, why not send a letter of protest now, before the changes are implemented, to: Mr. B. Steinkamp, Head of Programming, Radio Nederland, Box 222, Hilversum, Holland (gh)

LIBYA (Cf LN-5) Re "Jamahiriyah". This word, which I don't think is Arabic proper, was coined by Gaddafi as the name of the 'unique' Libyan socialism. It has no precise translation into EG, but the London 'Sunday Times' translates it as 'state of the masses'. It seems to be the equivalent of 'peoples democracy' for Gaddafi's Pan-Islamic socialist philosophy (Mark Seltzer, Ont)

JAPAN (Cf Sept, Oct LNs-7) I confirmed from Japanese official that if Apr-78-Mar 79 budget is approved, R. Japan will rent xmters in Mediterranean area to improve Euro reception, starting late 1978. There is no plan to build relay base (Toshi Ohtake, Kamakura) But what about Caribbean?, sniff (gh)

GUYANA GBC is on 3280v ex-3290, to 0300v*, and from *0750 with IS, 0800 s/on (McNeil, TDXN)

ECUADOR HCJB is advertising that \$1 will buy one minute of air time. So for about \$5 we could get rid of "Tips for Real Living", an irrelevant departure in DX Party Line... (gh)

BENIN The 2030 EG pgn was not aired Sun 4/9, but there was EG Mon at 2028-2037 (Joseph Ross (?), Austria, SGDX 20/9 via gh)

ANTIGUA BBCWS has added a 'breakfast-time' xmsn at 0900-0915 to E Carib on 6195; and to CAM at 1300-1330 on 11775 (via Richard N. Allen, OK) ¿Breakfast at 5 a.m. in Bridgetown? (gh)

MALDIVES is testing on 4754; at 0500-0600, 1100-1200, 1730-1830, for 2 months starting 10/9. Reports are requested; at Caversham doesn't fade in until 1745, and very poor (BBC WRC 21/9)

KUWAIT Since Ramadan ended, R. Kuwait resumed its former EG sked; 1700-2000 12085/9650/9580 (Gordon Weston, BBC WRC 21/9)

ETHIOPIA RVORE has been running all-night on 7180/6015 due to Somali situation (BBC WRC)

CENTRAL AFRICAN EMPIRE Bangui reported gone from 5038 in DX pubs, found on 5034½ to 2300*; heavy Alma Ata QRM (BBC WRC 21/9)

I'm on the NASWA Executive Council now. I welcome any suggestions from members on ways to improve NASWA/FRENDX. Of most concern at present is improving our printing quality! (gh) (23)

QSL REPORT



BILL OLIVER, EDITOR
45 Wildflower Road
Levittown, PA 19057

OCTOBER 1977

Reports of verifications from countries beginning with the letter "Z" usually end up on page QSL-8, but this one makes the heading...

ZANZIBAR: RTV Zanzibar, 3339, full verification for Nov. 1976 report. They returned my prepared card with a very proper verie letter from the Minister of Broadcasting noting 10 KW on this freq which has now been replaced by 6005 kHz. Separate note states that this is apparently the first and only such confirmation direct from the island in existence. Calls my reception "freak reception which nonetheless proves the efficacy of the E. African Service" and thanks me "profusely". Asks that reports be sent to I.O. Box 1178. VIC #205 and my best! (Ralph Ferry-WI).

and here's a few more

ALBANIA: R. Tirana, 7300, f/d cd w/meter band in 50 days for 4 IRC's. (Baum-FL).

R. Peking Relay, 9780, "Store Grain Everywhere" cd w/o time, pcd and letter on the 3rd Plenary Session in 18 days. No rp. (Fraser-MA).

ALGERIA: RTVA, 9705, white cd w/blue printing and insignia in 19 weeks. They also sent rpt forms. (Padula-AUST).

ANDORRA: R. Andorra, 6230, two FF "Costumed Couple" cds in 45 days after f/up for FF rpt on FF xmsn, used stamps and 2 IRC's. Cards had only freq and meter band. Bumper sticker was sent separately. (Kusalik-ONT); same cd in 10 weeks for EE rpt and 1 IRC. This is the same card they were sending out for my last rpt on 13/4/66 when they were on 5995 kHz! (Padula-AUST)

ANTIGUA: BBC, 9510, "Bridge" cd w/data typed in red as follows: "Antigua 0500-0530 GMT 11th June 9510 kHz". Received in 66 days. No rp. (Gionet-NB); 6175, no-data cd in 57 days. No rp. (Wirsz-BC).

ASIATIC RFSFR: R. Moscow via Krasnoyarsk, 7250. Via Khabarovsk, 15100/9610. Via Kenga, 9660/9720/11960. Via Chita, 9700. Via Irkutsk, 15420. Via Petropavlovsk-Kamchatsky, 12020/15180. Cards in about 1 month reported by Hermann-ONT, Sparks-CA, Barto-CT, Grenier-CA, Kusalik-ONT, Wirsz-BC.

AUSTRALIA: R. Australia, 5995, f/d "Strut Pea" cd and sked in 203 days. No rp. (Berezowski-ALB); f/d cd in 6 months. No rp. (Hermann-ONT): 9580, f/d "Parakeet" cd in 24 days for 1 IRC. Sked came earlier. (Cucura-PA): 17870, f/d "Blue Wren" cd in 121 days. No rp. Also received "ARDX" cd. (Grenier-CA): 9580/6045/15410, cds in 2 months. (Barto-CT).

VW15-Perth, 15425, f/d map cd in 23 days for 1 IRC. (Wirsz-BC).
AUSTRIA: ORF, 17840, f/d "Lovers" cd in 2 months. (Wallin-AUST): 9770, f/d cd and sked in 63 days for 1 IRC. (Cucura-PA).

BELGIUM: BRTV, 9730, f/d blue "Globe" cd and skeds in 20 days for 1 IRC. (Fraser-MA): 6055, f/d cd, pennant, tourist info, map, Mail Bag transcript and sked in 22 days for 1 IRC. (Cucura-PA).

BENIN: La Voix de la Revolution, 4870, cd w/o date in 4 weeks for EE rpt. No rp. (Hamilton-SC).

BRAZIL: R. Cultural do Para, 5045, verie letter w/station info from Raul da Silva, Manager, in 39 days for SS rpt, 3 IRC's and pcd. (Wallin-AUST).

R. Borborema, 5025, pcd QSL in 3 months. (Barto-CT).

R. Diario da Manha, 9675, letter QSL in 5 months. V/s Rudolph Walter Grimm, International Department. Call letters of this station are now ZYE890. (Barto-CT).

Rdif. do Parana, 4815, letter QSL, sticker and pcd in 4 months. V/s Cesar Augusto Gomas. (Barto-CT).

R. Spanema, 11885, letter QSL in 3 months. V/s Elmano F.S. Jacome. (Barto-CT).

BULGARIA: R. Sofia, 9705, f/d "View of Melnik" cd, sked, rpt forms and blue cloth pennant in 69 days. No rp. Listener's Club diploma and many mags came 3 weeks later. (Fraser-MA): 9700, f/d cd, sked, mags and newspapers in 56

DODECANESE IS: VOA-Rhodes, f/d cd w/site in 7 days. No rp. (Hoffman-PA).
ECUADOR: Instituto Oceanografico de la Armada, 7600, date-only letter and pamphlets on the station and Institute in 38 days for SS rpt and 1 IRC. V/s Capitán Pedro Cabezas G., Director. Address: Casilla 5940, Guayaquil, Ecuador. (Gaffin-NY).

HCJB, 9560, f/d "Hydro Reservoir" cd, sked and religious info in 24 days for mint stamps. (Fraser-MA); "Antenna" cd in 52 days. (Mikell-IL); f/d cd, sked and questionnaire in 58 days for 1 IRC. (Cucura-PA): 11915, f/d "Newsmen in Action" cd, questionnaire, sked and religious info in 19 days for 3 1/2 stamps. (Sbordone-FL): 15115, "Logo" cd and form letter in 3 months for SS rpt. No rp. V/s Rogelio Stubbe. (Gaffin-NY). Rogelio?!

EGYPT: R. Cairo, 9475, f/d "Market Place" cd, sked, pcd and nice note from "Rita" in 3 months for 1 IRC. (Rockwood-OH); same in 13 weeks for 1 IRC. (Howard-CA); same in 28 days for 1 IRC. (Wallin-AUST); same in 43 days for 1 IRC and used stamps. (Neff-IL): 9805, f/d cd and sked in 91 days. No rp. (Golkin-NY).

ENGLAND: BEC, 9580, cd, sked in 19 days. One IRC. (Cucura-PA): 9410, no-data cd and sked in 28 days. No rp. (Wirsz-EC): 5975, no-data cd, sked and note from Superintendent of Engineering in 11 days for 1 IRC. I returned the card to him with request for data. (Desrosiers-MA). Lots of luck, Poland.

EUROPEAN RSFSR: R. Moscow via Moscow, 7390/9490/9530/9550/9600/9680. Via Kazan, 11805/11840/12020. Via Armavir, 12040/12055. Via Tula, 7250/9610. Via Voronezh, 12040. Via Kalach, 15200. Cards in about 1 month reported by Barto -C, Kusalik-ONT, Hermann-ONT, Fraser-PA, Cannon-NC, Sparks-CA, Cucura-PA.

Q S L
 VERIFICATION CARD
 EMNİYET GENEL MÜDÜRLÜĞÜ



TÜRKİYE
 POLİS RADYOSU

Edward C. Shaw
 621 Burleigh Avenue
 Norfolk, Virginia
 23505 USA

Station Name : Türkiye Polis Radyosu (Ankara)
 Frequency : 6340 Khz
 Date : 20 December 1973
 Time : 07.00
 Station Power : 350 Watts (Now)

Mr. Edward C. Shaw

This is to confirm your report of our station on the dates and times indicated.

Your report was welcomed and was according to our programme scheduled.

Thanks so very much.

Station Stamp



Signed : *[Signature]*
 Station Director Mehmet GOKAY
 Date : 23.5.1974

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FINLAND: R. Finland, 15110, f/d "YLE" cd, pennant, letter, sked and "Hear Finland" mag in 27 days for 1 IRC. (Sandborn-TN); f/d cd and sked in 32 days for 1 IRC. (Cucura-PA).

FRANCE: RFI, 15295, f/d "Chateau de Chambord" cd in 2 months. No rp. (Cucura-PA).

GERMANY (E): RBI, 9730, f/d "Altes Museum" cd, "RBI Journal" letter and promise of mags and stamps in 93 days for 1 IRC. (Rockwood-OH); f/d "Still Life" painting cd, DX Club info and letter in 84 days. No rp. (Oliver-PA).
 R. Moscow via Leipzig, 7340, a rpt sent to R. Moscow on French Service on 7340 KHz was QSLed as "1.32 MHz" for some reason and the xmtr

site was shown as "Leipzig". Weird! (Gionet-NB). Definately weird!
GERMANY (W): Deutsche Welle, 6010, no-data "Symbol" cd and "Hallo Friends" in 133 days. No rp. (Berezowski-ALB); no-data cd and sked in 70 days. No rp. (Cucura-PA).
GERMANY (WEST BERLIN): RIAS, 600C, "RIAS Building" cd w/o time in 46 days for EE rpt. No rp. (Gionet-NB).
GHANA: GBC, 3350, f/d cd and sked in 4 months for 1 IRC. (Hamilton-CC): 3366, f/d cd stapled to sked in 5 1/2 months for 1 IRC. (Gaffin-NY); same in 80 days for 1 IRC. (Desrosiers-MA): 6130, same in 40 days for 2 IRC's. (Wallin-AUST).
GREECE: V. of Greece, 9760, f/d cd in 41 days for 2 IRC's. (Baum-FL): 11730, f/d white cd in 18 days. No rp. (Wirsz-BC): 17830, cd in 1 month. (Barto-CT): 9760/11730, three f/d cds in 24 days for 2 IRC's. (Reynolds-NY).
 VOA-Kavala, 9565, f/d cd w/site in 5 days. No rp. (Delong-MA): 11760, f/d cd in 7 days. No rp. (Sbordone-FL): 15260, f/d cd in 12 days for a 13c stamp which was returned. (Billings-NY).
GUAM: TWR, 9575, personal letter in 2 weeks for rpt on test xmsn and 2 IRC's. Photo-type QSL received 2 weeks later with details inserted within rubber stamped text. (Padula-AUST).
GUATEMALA: R. Tezulutlan, 4835, cd in 11 weeks after f/up for EE rpt and mint stamps. (Sparks-CA).

... Cyril GIONET

Saint John

Nous vous remercions de l'envoi des

émissions de Radio-Moscou

Dans les pages de

Date 1e 3 juin 1977

Heures 21h-21h30 GMT

Fréquence 1.32 MHz

Votre rapport est vérifié et enregistré

par nous

Avec nos remerciements

YVES GONNET

Le site de l'émetteur est Leipzig(RDA).

HAITI: 4VEH, 9770, f/d "Control Room Operator" cd in 2 1/2 months for 2 IRC's. (Lobdell-MA): 11835, f/d "Studio" cd, sked and letter in 62 days for 1 IRC. (Cucura-PA).
HAWAII: WVVH, 15000, "Aloha" cd w/o time in 21 days. No rp. (Golkin-NY): 10000, same in 21 days. No rp. (Sbordone-FL).
HUNGARY: R. Budapest, 11910, f/d cd in 40 days. No rp. (Neehan-CT).
INDONESIA: V. of Indonesia, 11790, folder cd w/o time in 3 months on my 4c try for 2 IRC's. (Rockwood-CH); same in 57 days. No rp. (Wirsz-BC).
 RRI Fak Fak, 4789, prepared cd in 5 weeks after f/up for Indo rpt and mint stamps. V/s D. Narande. (Sparks-CA).
IRAN: NIRT, 9720, colored "Kerman TV" cd in 6 weeks. (Padula-AUST).
IRAQ: R. Baghdad, 9745, f/d "Golden Shrines of the Two Imams" cd, sked, brass emblem, "October, 1973" booklet and "Iraq Today" mag in 73 days. No rp. (Fraser-PA).
ISRAEL: IBA, 9815, f/d "Painting of Jerusalem" cd and rpt forms in 34 days. No rp. (Fraser-MA): 11655, f/d cd and small flag in 45 days for FF rpt. No rp. (Gionet-NB): 5900, f/d cd and sked in 44 days for 1 IRC. (Cucura-PA).
JAPAN: R. Japan, 9505, "Hakata Dolls" cd w/o time, sked, "R. Japan News" and rpt form in 13 days. No rp. (Golkin-NY): 15270, same in 12 days. No rp. (Sbordone-FL); "Bamboo Grove" cd w/o time in 25 days. No rp. (Neehan-CT).
KENYA: V. of Kenya, 4915, f/d aerogramme QSL in 5 weeks for EE rpt on Swahili xmsn. No rp. (Bishop-PA).
KIRGHIZ SSR: R. Moscow via Frunze, 11890, f/d cd, pod and pictures in 5 (27)

weeks for rpt on S. Asian EE svc. (Cannon-NC).

KOREA (N): R. Pyongyang, 6575, colored "Korean Drama" cd, set of pcds on the same subject, book on the Korean War and "Guerilla Warfare" and station badge in 6 weeks. (Padula-AUST).

KOREA (S): R. Korea, 9720, f/d "Staff" cd and pennant in 24 days for their rpt form. No rp. (Wirsz-BC).

KUWAIT: R. Kuwait, 12085, f/d folder cd in 61 days. No rp. (Cucura-PA).

LAOS: National Radio of Laos, 7145, verie letter w/freq only and sked in 8 months for EE rpt on EE/Laotian xmsn and 2 IRC's. The letter was addressed to "Comrade". I wonder how many lists that put me on! (RockwoodOOH).

LIBYA: Peoples' Revolution Broadcasting, 6185, EE letter w/date only from v/s B.O. Buzed in 5 months. Many previous rpts of the last 3 years are still unanswered. (Padula-AUST).

LIBERIA: ELWA, 4777, f/d "Drummer" cd, sked and religious tract in 6 months for 2 IRC's. (Gaffin-NY).

VOA-Monrovia, 3990, f/d cd w/power listed as requested in 10 days. No rp. (Cannon-NC); 6035, f/d cd in 6 days. No rp. (Desrosiers-MA).

LITHUANIAN SSR: R. Vilnius, 15180, colored "Towers/Clouds" cd in 6 weeks: 11780, colored "Flowers" cd in 5 weeks. (Padula-AUST).

R. Moscow via Kaunas, 11870, f/d cd w/site in 1 month. No rp. (Hermann-ONT); f/d cd in 5 weeks. No rp. (Cannon-NC).

LUXEMBOURG: R. Luxembourg, 6090, f/d cd in 29 days for 1 IRC. I got another one 3 days later. (Cucura-PA).



MALAGASY REP: R. Madagaskira, 2495, FF/EE QSL cd in 6 weeks for FF rpt and 3 IRC's. Haven't seen too many QSL's reported from this station lately -- haven't seen a 2495 kHz QSL at all. (Padula-AUST): 3288, no-data cd with "Thanks for your reception report" on the back in 1½ months for FF rpt and 3 IRC's. (Wallin-AUST).

R. Nederland Relay, 11730, f/d "DX Show Producers" cd in 18 days. (Sillings-NY); f/d "Antenna Towers" cd, "Happy Station" cd and pcd from "Elke" in 15 days. No rp. (Golkin-NY).

MALDIVES: R. Maldives, 4740, f/d "Island Scene" cd w/QSL text on back in 38 days for 3 IRC's. (Wallin-AUST).

MALI: Rdiff. Nationale du Mali, 5995, f/d "Africa" cd in 7 months after f/up FF rpt on FF xmsn on Gilfer form for used stamps, 2 IRC's. (Cannon-NC). **MALTA:** AWR, 9770, new "Globe/Clasped Hands/Angels" cd, 1 of a series designed by AWR listeners, received in 6 weeks with sked. These cards are being issued once a month for the next few months. (Padula-AUST).

"Malta Calling", 6080, mimeo letter w/wrong freq (9755 kHz) in 4 months with plenty of tourist literature urging me to visit Malta on my next holidays. (Padula-AUST).

MONTSERRAT: Deutsche Welle Relay, 11970, f/d prepared cd w/site sent directly from Montserrat (1) in 40 days for 2 IRC's. I also received a personal letter from H. Berghaeuser. (Kusalik-ONT). I don't know how you do it, Ed!

MOROCCO: VOA-Tangier, 15205, f/d cd w/site in 5 days. No rp. (Delong-PA); in 7 days. No rp. (Golkin-NY); in 14 days. No rp. (Sbordone-FL).

MOZAMBIQUE: R. Mozambique, 3210, cd in 39 days for cassette tape rpt and postcard. No rp. They returned my tape a week later. (Pineault-QUE).
NETHERLANDS: R. Nederland, 11730, f/d "DX Show Producers" cd in 12 days for 1 IRC. (Desrosiers-MA): 6020, f/d cd in 8 weeks. No rp. (Hamilton-SC).
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d "DX Show Producers" cd, sked and R. Nederland Course in 134 days. No rp. This was postmarked nearly 4 months ago! (Cucura-PA).
 TWR, 11925, f/d "Antenna Tower" cd, sked, religious info in 23 days for 1 IRC. (Wirsz-BC); f/d "TWR Building" cd, sked, info on "DX Special", technical and religious info in 21 days. No rp. (Golkin-NY): 11815, f/d folder QSL and religious info in 17 days for 1 IRC. (Cucura-PA).

Edward Kuselick
 R.F. 3
 Chatham, Ontario
 CANADA, P7M 5K3

Radio Deutsche Welle
 Montserrat Transmitter Site
 Plymouth
 Montserrat, Leeward Islands

We confirm our reception of our radio transmission from Montserrat on the frequency of 7730, on the date 9-6-77 at 12.00 - 12.10 EST. The station that you heard was from MONTSERRAT with 50 Wm, directed to S/N-AMER.

Comments:

[Signature]
 (Signature)

NEW CALEDONIA: FR3, 11710, f/d map cd in 10 weeks for EE rpt and 1 IRC. (Hamilton-SC).
NEW ZEALAND: RNZ, 15130, "Pasture" cd, sked in 15 days. No rp. (Sbordone-FL).
NIGERIA: NBC-Sogunle, 4990, f/d form letter w/site in 40 days for an aerogramme rpt. No rp. (Hoffman-PA).
 NBC-Enugu, 6025, letter w/QSL text and station info from N. Mesigo, "Engineer in Charge", in 2 months for 3 IRC's. (Wallin-AUST).
NORWAY: R. Norway, 15175, f/d "River Scene" cd w/freq in meters, power and call letters and 2 different skeds in 50 days. No rp. (Golkin-NY); same in 12 days for 1 IRC. (Cucura-PA); f/d "Fjord" cd and NRK mag in 59 days. No rp. (Wirsz-BC); f/d "Lake" cd and sked in 80 days. No rp. (Berezowski-ALB).
PAKISTAN: R. Pakistan, 11640, "Minar-I-Pakistan" cd w/o date in 2 months on my 3rd try for 2 IRC's. (Rockwood-OH): 9645, same cd in 6 weeks. (Padula-AUST): 7085, cd and sked in 2 1/2 months. (Barto-CT): 17665, "Monument" cd w/o date in 45 days for EE rpt. No rp. (Gionet-NB).
PAPUA NEW GUINEA: R. Gulf District, 3245, letter and sked in 4 months. V/s Timothy Akia. (Barto-CT).
PERU: R. El Sol, 5970, SS letter w/freq and verie statement from Amparo del Castillo Carranza in 2 months for SS rpt and 1 IRC. (Howard-CA).
 R. Andas del Huallaga, 3330, letter and pcd in 3 1/2 months. V/s Flaviano Llanos M. Representante Legal. (Barto-CT).
PHILIPPINES: FEBC, 15435, f/d cd, sked and much religious info in 1 month for EE rpt and 2 IRC's. (DeRoy-ME): 21515, f/d "Studio" cd in 1 month. V/s Zemy Visia. (Wallin-AUST).
 R. Veritas, 11955, f/d "Malolos Xmtr Site" cd in 28 days. No rp. (Wirsz-BC): 11730, "Bulacan Xmtr Site" cd, pcd of Zamboanga fishing village and personal letter from v/s Connie Francis in 4 weeks for 1 IRC. (Padula-AUST).
 VOA-Tinang/Foro, 11760, f/d cd in 7 days. No rp. (Golkin-NY).
POLAND: Polish Radio, 11815, f/d "Heraldic Arms" cd, sked, pin, rpt forms and a personal letter saying 5 rpts are needed for a pennant in 6 weeks. No rp. Received mags separately. (Sillings-NY); same cd, sked, questionnaire and letter in 33 days. No rp. (Wirsz-BC).
PORTUGAL: R. Portugal, 11935, f/d "Viana do Castelo" cd and sked in 20 days. No rp. (Golkin-NY); same cd, 5 rpt forms and personal letter telling about their DX Club in 22 days for a pcd and used stamps. (Neff-IL): 6025, cd and sked in 23 days. No rp. (Cucura-PA).
RHODESIA: RBC, 3396, large QSL cd in 22 days for cassette tape rpt. No rp. (Pineault-QUE).

ROMANIA: R. Bucharest, 11940, f/d "Folk Art" cd in 55 days. No rp. Card looks like something from the American Southwest! (Meehan-CT): 5990/9570, f/d "Airport" and "Sculpture" cds and letter in 3 months. No rp. (Oliver-PA).

SARAWAK: R. Malaysia Sarawak, 4950-Kuching, f/d "Broadcasting House" cd in 18 days on 2nd try for 3 IRC's. V/s Salleh Askor. (Grenier-CA): 5005-Sibu/4950-Kuching, same f/d cds in 2 weeks for 3 IRC's. (Howard-CA).

SEYCHELLES: FEBA, 11900, new no-data cd, only a "Thank you", in 4 weeks for 1 IRC. Previous cards were well sought, but this latest QSL policy won't attract much of a Listener/DX response. (Padula-AUST): 11755, no-data "Acknowledgement" cd in 36 days for 1 IRC. Have they joined ranks with BBC, Deutsche Welle, etc. with no-data cards? (Gionet-NB). Looks that way, Onil.

SINGAPORE: R. Singapore, 11940, beautiful colored f/d "Singapore at Night" cd in 1 month for 2 IRC's. (Howard-CA): 5052, same in 3 weeks. (Hobbs-NC).

SOUTH AFRICA: R. RSA, 5980, f/d "Johannesburg City Lights" cd in 23 days for 1 IRC. (Fraser-MA): 11900, same in 21 days. No rp. (Grenier-CA); f/d "Diamond" cd w/wrong freq (9585 kHz) in 20 days for 1 IRC. (Cucura-PA).
SABC, 3980, "Industrial Montage" cd in 2 months. (Wallin-AUST)

SPAIN: RTVE, 6065, f/d "Toledo Xmtr" cd, sked and rpt forms in 26 days for 1 IRC. (Cucura-PA): 11880, same in 26 days. No rp. (Wirsz-BC); same in 5 weeks. No rp. (Lobdell-MA).

SRI LANKA: VOA-Colombo, 9670, f/d cd in 7 days. No rp. (Hoffman-PA).

SWAZILAND: TWR, 3275, "Native/Antenna" folder QSL in 45 days for 3 IRC's. (Wallin-AUST): 11760, same in 5 weeks for 1 IRC. This is a difficult freq for my location - took many days of listening to get proper details and a clear ID as signals are mixed with BBC-Cyprus co-channel. Via longpath and I'm very pleased with the results! (Padula-AUST): 4760, same cd in 36 days for 1 IRC. (Howard-CA).

SWEDEN: R. Sweden, 6045, f/d map cd and sked in 11 days. No rp. (Cucura-PA): 11705, same with pennant and sked in 20 days for 1 IRC. (Sandborn-TN).

SWITZERLAND: SBC, 11715, f/d "Two Bobs" cd in 2 months. No rp. (Lobdell-MA); f/d cd in 20 days for 1 IRC. Sked and sticker to arrive later. (Sandborn-TN): 9725, f/d cd in 2 1/2 months. No rp. (Berezowski-ALB): 6135, f/d cd in 59 days. No rp. (Cucura-PA).

International Committee of the Red Cross, 7210, f/d "Headphones on Globe" cd in 19 days. No rp. (Delong-PA).



from
ONIL GIONET
et
ANDRÉ PINEAULT

QSL CARD
SRI LANKA BROADCASTING
CORPORATION
COLOMBO - 7 SRI LANKA.

POST CARD

Confirming your reception
report of our transmission
on frequency 15425

KHZ in the 17
Metre Band at 220 hrs.
G.M.T. on 30th May 1977

Thank you for your report.

Yours sincerely,

Patience Rosarath
Suptd. ~~Director~~

Date: 6-6-1977

Mr. Onil Gionet
128 Princess St.
Apt No 1
Saint John N.B.

CANADA 221 1K7

TANZANIA: R. Tanzania, 5050, f/d cd in 75 days. (Wallin-AUST).

TOGO: Rdiff.-TV Togolaise, 5047, f/d map cd in 26 days for EE/FF Gilfer rpt and 1 IRC. (Hoffman-PA).

TURKEY: V. of Turkey, 9515, f/d "Sultan Ahmet Mosque" cd, sked, pennant and booklet on Istanbul in French in 28 days for 1 IRC. Received another sked the same day which was mailed separately. (Fraser-MA): 11880, f/d "Turkish Carpet" cd, pennant, sked and FF tourist brochure in 64 days. No rp. (Golkin-NY).

UKRAINIAN SSR: R. Kiev, 11790, cd in 6 weeks. (Barto-CT): 15245, f/d "Museum" cd, sked and quiz on the 60th Anniversary of the Revolution in 32 days. No rp. (Wirsz-BC): 7215/7150/9720, cds in 1 month. No rp. (Hermann-ONT)

R. Moscow via Vinnitsa, 9720, cds in 1 month. No rp. (Barto-CT, Kusalik-CNT, Hermann-ONT).

UNITED STATES: VOA-Greenville, 6130, f/d cd in 6 days. No rp. (Desrosiers-MA): 15205 same in 6 days. No rp. (Golkin-NY).

VOA-Bethany, 15140, cd w/only date in 12 days. (Mikell-IL); f/d cd w/freq as "18205 kHz" in 7 days. No rp. (Sbordone-FL). Huh?!!

VOA-Delano, 15270, f/d cd in 6 days. No rp. (Desrosiers-MA). VOA-Dixon, 9730, f/d cd in 5 days. No rp. (Delong-IA):

17895, cd w/date only in 48 days. No rp. (Wirsz-BC).

AFRTS-Bethany, 9755, f/d cd in 14 days. No rp. (Wirsz-BC): 15330, f/d cd in 8 days. No rp. (Golkin-NY).

KGEI, 9555, cd, sked and pennant in 30 days for 2 IRC's. They seem to be well equipped. Their QSL cards are data-processed. (lineault-UL); f/d "San Francisco" cd, questionnaire and literature in 25 days. (Billings-NY): 9615, same in 27 days for EE rpt on SS xmsn ans an SASE. (Praser-MA).

WINB, 15185, f/d cd and sked in 24 days. No rp. (Sbordone-FL); in 35 days. No rp. (Wirsz-BC): 17720, in 35 days. No rp. (Neff-IL).

WYFR, 6155, f/d "Mike" cd in 19 days. No rp. (Bishop-IA): 11805, same in 16 days by registered mail with sked, religious info and a letter inviting me to be a monitor. All for a 13c stamp. (Sandborn-TN).

UZBEK SSR: R. Tashkent, 15460, colored "Statue of Lenin" cd and pd of painted ceramics in 6 weeks. (Padula-AUST).

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VATICAN: Vatican Radio, 5995, f/d "Xmtr Site" cd in 17 days for 1 IRC. (Desrosiers-MA): 11740, f/d "Angels" cd in 16 days for a rpt on their nightly mass for Europe. No rp. (Wirsz-BC).

VENEZUELA: La Voz de El Tigre, 3255, letter and large silver/black pennant in 6 months after several attempts for SS rpt and mint stamps. V/s Graciana Cedeno. (Sparks-CA). Very nice, Bill.

R. Juventud, 4900, "Dancers" cd in 26 days for SS rpt. (Wallin-AUST).

R. Continente, 5030, form letter w/freq and verie statement in 111 days for EE/SS Gilfer rpt form and mint stamps. V/s Lourdes Torres. Also received black/orange "Yo Escucho Radio Continente" sticker. (Hoffman-FA).

YEMAN ARAB REP: R. San'a, 9780, f/d form letter verie in 5 1/2 months after 2nd f/up, a total of 1 1/2 years after the original rpt, for 2 IRC's. (DeRoy-ME)

And that's another one down. A rather quiet month; everybody must be on vacation. Here's a MW QSL reported by Aaron Hywarren. It shows what can be pulled out of the MW area if you care to try....

ST. PIERRE ET MIQUELON: FR3, 1375, date-only verie letter in 2 weeks for EE rpt. No rp. (Hywarren-MAN).

I had one from Rita Vernetti (our Cover Girl) on the Australian MW station at Leigh Creek on 1570 kHz but it got buried under the ton of paper around my shack. Keep smiling and don't forget POLISH RADIO!

Deadline for November issue: October 15.
Deadline for December issue: November 12.

Bill

DX HOTLINE

October 1977

Number 4

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111
(816) 931-5943 2330-0400 GMT

UPCOMING DEADLINES: 10 October (Mid-Oct)
23 October (Nov)
10 November (Mid-Nov)

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Even 16 inches of rain couldn't wash DXH away!!! Starred items appeared in the Mid-September DXH . . .

- **AFGHANISTAN** Kabul, 15365, finally audible during EG px at 1130-1200 on this NF. Noted 5 September at 1145 tune in w/ high-pitched W annrc discussing relations with neighboring countries; news ended at 1150. Mixture of native and western mx till 1158, then several IDs and into UnID lang. (Hauser, TN)
- BENIN** Rdiff TV de la Republique Populaire Beninoise, 4870, noted from 0120-0130 w/ political speech and audience applause followed by short chant. S/off annrc at 0129 repeated ID above and gave tc for GMT+one. Then anthem and off. (Routenburg, ONT) ***has been quite strong here lately, often the best African stn on the 60m band. tba
- BHUTAN** According to a letter from Louise Dorji, Secretary at Radio NYAB, their schedule is as follows: Sundays, 0730-0930, on 7040; Wednesdays, 1230-1330, on 4690. Languages are Dzongkha (Bhutanese), Nepali, and EG. EG is broadcast during the last 50 minutes of the Sunday px, except on the first Sunday of each month, when there is only 30 minutes of EG. Wednesday px has EG during last 15 minutes. Reports must include at least 15 minutes of announcements made, songs played, or news items read in order to qualify for a QSL. (Routenburg, ONT) ***Latest UADX has several reports from subcont. DXers on the Sunday NYAB b'cast; big scramble in India is to log 4690!!! tba
- BRAZIL** R. Cl. Paranaense, 6045, in PT at 0936; ID w/ echo, theme music from "SWAT", then talks. Fair to good. (Jones, Miss.)+++ R. Gaucha, 6135, in PT at 0923 w/ ID and talks; fair to good level. (Jones, Miss.)
- CAMEROON** R. Yaounde, 9740, in EG at 2159 w/ annrc by M: "This is Yaounde, the new national stn of the United Republic of Cameroon. We have now come to the end of our transmission for today. We invite you to tune in to . . . [??] at 5:30 pm for px in EG and 6:30 for px in French." S/off followed at 2201. This appears to be the UnID stn in August LR-C. (Mosman, ILL)
- CHILE** Voice of Free Chile, 15130, noted from 0000-0130 w/ half-hour px in EG, SP, IT, and FR. Px consist of nr, mx, commentaries and talks. Address: P.O. Box 244 V, Santiago. (Lef-fler, NY) ***clobbers RNZ most nights here; usually audible to 0230 tune out. tba +++ R. Mineria, 9750, in SP at 1017 w/ TCs, talks and campesino px. Fair to good. (Jones, Miss.) +++R. Univ. de Concepcion, 6135, noted at 1045 in SP w/ continuous easy listening LA mx, some pauses, IS (repeated notes on horn) at 1100 followed by ID. Started at good level but faded. (Jones, Miss.)
- COLOMBIA** R. Super de Cali has moved to 6130 after a brief appearance on 8055. Noted at 1050 w/ ID, TC and usual Super format. Fair to good. (Jones, Miss.)+++ R. Surcolombiana, 5010, noted at *0850 w/ ID, freqs " . . . desde Neiva, Huila . . .", then anthem and into mx. (Jones, Miss.)
- ECUADOR** Emisora Gran Colombia, 4910, noted at *1055 in SP w/ anthem usual catchy "Mr. Sandman" theme, ID and into nx. Good level. (Jones, Miss.)+++ R. Nac. de Ecuador, 4940, in SP at 1059 w/ Ecuadorian mx, chimes, IN, freqs, and nx; good. (Jones, Miss.) +++ HCJB, 6160, in EG at 1020 w/ usual religious talks. Big mix-up here w/ Em. Nueva Granada. (Jones, Miss.) *** as long as we're on the subject, folks, I'm noting HCJB spurious in the 31m band again, often at obnoxiously high levels. Most unfortunate. tba.
- ETHIOPIA** Radio Voice of Revolutionary Ethiopia has retimed EG px to 1500-1600, dropping EG b'cast over Radio Ethiopia during same time slot. RVoRE freq is 6015 // 7165. According to Victor Goonetilleke, the annrcs who used to proclaim Christ and his teachings on ETLF now read revolutionary slogans and bulletins from Lt. Col. Mariam, leader of the junta. (Goonetilleke, UADX) *** stranger and stranger . . . with the Ethiopian-Somalian conflict growing every day, RVoRE b'casts may move quickly and without warning. This may be why we haven't had any reports on them in Nam yet. tba.

Gabon Franceville, 4830 noted in FR to 2300* w/ overpowering signal, talks and local mx. Closed w/ anthem. (Robinson, DC)

***GUAM KTWR, Agana, noted on 9640 on first day of transmission, 4 Sept, from 1120 w/ religious mx, frequent IDs and offers of special first day QSL. Also noted at 1110* on 5 September on 9575. ID: "This is the newest voice on your shortwave radio, KTWR, Agana, Guam." Address is KTWR, Trans World Radio, Box CC, Agana, Guam. (Berg, Mass.) +++ also noted in S. Carolina on 9640 in EG from 1100-1130 at poor level. Into mandarin CH at 1130, but covered by R. Australia at 1155. (Senn, SC)

INDONESIA RRI Pekanbaru, 5886, w/ rather yippy Asian song, IN talk by W followed by possible speech by M at 1043. Poor to fair. (McNeil, TDXN) +++ RRI Banda Ache, 3905, a new outlet and transmitter, much stronger than old but still active 4955. Abruptly on at approximately 1220, w/ s/off usually 1459 but sometimes later. Seemingly experimental. (Goonetilleke, UADX)

IRAN VoI (NIRT) noted daily on 15084 in EG. W anncr w/ nx and commentary, and breaks for interesting Iranian mx. Near 2020, M anncr gives freq as 9022, w/ no mention of 15084. At 2030, into Persian for Iranian Residents Abroad px. Usually good level. EG px is sked from 2000-2030. (Cress, VA)

JAPAN By letter, Dan Robinson reports that he met briefly w/ two NHK representatives at the recent International Institute of Communications conference in D.C. They confirmed that NHK is investigating the possibilities of a Caribbean relay. Dan's conversation was through an interpreter. When asked about the popularity of the FRG-7 in the United States, they had no comment and seemed not to know very much about the rx. (Robinson, DC) *** a clear case of inscrutability, Dan . . . tba

MADAGASCAR R. Madagasikara, 2488 // 3221 at *0258. W in Malagasy talks, IS on waikas, and ID. Better level on 3221. (Robinson, DC)

MALAYSIA Kuala Lumpur, 4845, at 1105 dominant over Ambon w/ lang nx by M; earlier at 1045 had distinctive AR-like chants, the trademark of this stn. (McNeil, TDXN)

MOZAMBIQUE Maputo "B" px noted at 2211* on 3338 w/ interval bells, ID by M and anthem. (McNeil, TDXN)

NICARAGUA "Radio Emisora Nacional de Nicaragua," 5945 over UTE from 2315 to last check at 0220. Good contemporary orchestral mx w/ SF vocals; IDs per quoted passage above. Considerable difficulty in logging this due to presence of strong UTE; may also be due to intermittent operation by HEMNac. (Cress, VA) +++ Also noted from 0145-0212 w/ similar format and talks by two men in SP. (Robinson, DC) *** Both Dan and Hadley's logs for this are for 12-13 Sept. tba

PERU Jack Jones reports that his previous logging of R. Victoria, Peru, on 6120 should be for 6020.

RSFSR (Asia) Alma Alta, 5035, at 2330 w/ R. Peace and Progress px. (McNeil, DC, via letter from Dan Robinson, DC)

SARAWAK RMS, 5005 noted at 1025 w/ AR-like chants M in lang at 1029, mx bridge then more talks by M, possibly nx. (McNeil, TDXN) +++ also noted same time period w/ pips at 1030 and ID sounding like "R. Kuching". Gradual fade out during nx. (Ferrell, TDXN)

SRI LANKA SLBC now using 6130 from 1100-1730 for HS EG px, replacing 4940 and 6185, in order to take advantage of more favorable propagation conditions on 49 m. (Goonetilleke, UADX, w/ tnx to Lal Herath, SLBC Superintending Eng.)

TAIWAN Central Broadcasting System, 11905, from 1100-1130* in CH. S/off may vary by plus or minus 5 min. (Senn, SC) ***Carroll reports that Cent BS will verify EG reports w/ a huge QSL as big or bigger than Rhodesia's. Many qsl s from them and you'd need a bigger shack . . . hi. tba

UPPER VOLTA Ouagadougou, 4815, at *0520 w/ carrier till 0528, then tones, textbook ID by FR W, anthem and into local wailings. Audible past 0650, though usual fade is 0600. (McNeil, DC, TDXN)

URUGUAY SODRE, 9515, at 0233 w/ W in EG talk about telecommunications and the Inter-American Bank. Sports at 0244; ID in EG and SP at 0245. Continued w/ opera mx. (Robinson, DC)

VENEZUELA R. Mil Cuarenta, 6010, in SP at 1038 w/ ads, TCS, and ID by W as "R. Mil Cuarenta." This is R. Los Andes, and it uses both IDs. (Jones, Miss.) +++ R. Turismo, 6180, in SP w/ Venez mx and ads at 1008. (Jones, Miss.)

A BRIEF EDITORIAL PLEASE add your voice to those of us who have written to protest the proposal to cut BBC WS px to NAM. Write to Prime Minister Callaghan, see Sept. LN, p. 7, or Ambassador Ramsbotham, see Review on Int. B'casting No. 5-6, p. 25, as soon as possible. I will supply a copy of my letter to Prime Minister Callaghan for use as a guide in writing yours for a long SASE to the DXH address. tba

Thanks to all. Remember the fall DX season will have officially started by the time you get this. From what you are all sending me it should be a great one.

log report *section*



Ed. Sec-A: Dan Robinson

1601 - 4900

OCTOBER 1977

5004 Fulton St., NW
Washington, DC 20016

ALL REPORTS TO THE DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE MN 56045

- 2495 MADAGASCAR RTVM: 2042-2102* w/Simon & Garfunkel, Strauss mx, FR ID 2100, NA & ID's. Hrd // 3288 on 8/12 (WALLIN-AUS) Hrd // 3291 0258* here-DR
- 3365 BRAZIL R. Cultura de Araraquara: Hrd w/full ID giving frequencies in AM, SW. PT tlk mostly by M ancrs, ads and jingles, and mention of "State of Sao Paulo" but in PT, all from 0115-0145 - DR
- 2390 GUATEMALA LV de Atitlan: 0140-0205 w/SP tlks, orch. mx, guitar mx, vocals, piano mx to 0205* (THOMPSON 8/27)
- 2425 RHODESIA RBC: 2100-2118 w/EG ID, mx, "Music till midnight" program. Hrd // 3396 on 8/12 (WALLIN-AUS)
- 3218 UNITED M & W in lang tlks 0435 but UTE and QRN made for tough copy (BISHOP 9/1)
- 3225 VENEZUELA R. Occidente: 0142 in SP w/LA mx (IEFFLER 9/6)
- 3240 SWAZILAND TWR: 2029-2035* w/orch mx, EG ID, "Way to God" px, s/off armts & ball IS (WALLIN-AUS)
- 3245 VENEZUELA R. Libertador: 0330-0358* in SP, LA mx, M w/ID and NA at s/off (HOFFMAN 8/27) 2342 SP, ads, mx (IEFFLER 9/5)
- 3250 SOUTH AFRICA SAEC: Springbok Radio 0420-0435 in EG, light classical mx, tobacco ads, mx 0430 (MCMULLEN 8/21) Good catch for your location GM-DR
- 3255 VENEZUELA LV del Tigre: 2348 in SP, vocal by M, QRM (IEFFLER 9/5) 0155 in SP w/Rumbos mx relay, pop mx, frequent ID's (BISHOP 8/25)
- 3275 SWAZILAND TWR: 0441 in EG, religious programming, ID 0445 (PINEAULT 8/13)
- 3275 VENEZUELA R Mara: 2352 in SP, LA mx (IEFFLER 9/5)
- 3280NF GUYANA GBS: To 0300* and *0750 w/30 second long guitar IS, ID and s/on 0800. Usually good signals, but bad UTE QRM. Ex 3290. (MCNEIL via TDXN-72)
- 3291 MADAGASCAR RTVM: From *0258 w/IS on "Valiha" guitar like instrument, and into tlk by W in lang (ROBINSON)
- 3300 GUATEMALA TGNA: 0246-0303 EG/SP w/Back to the Bible, ID and TC (POPPIN 8/16) 0300-0500 EG, full ID's w/ details on Guatemala, classical mx (WOOD 9/11) 0310 w/EG religious tlks and mx (SANDBORN 8/23) 0410 (MCMULLEN 8/21)
- 3315 ECUADOR R. Pastaza: Noted in passing. Station s/off w/Ecuadorian NA. Only HC listed here (PERDUE 9/4 via TDXN-72)
- 3316 SIERRA LEONE SLBS: M in tlk, very poor, no ID hrd (ORIOFF 9/11) Time is 2301-DR
- 3325 ECUADOR Ondas Quevedenas: 0400-0410 in SP, Andes/Ecuadorian mx, M ancr w/ID at 0408, buried by UTE 0410 (BISHOP 8/20)
- 3340 ECUADOR R. Tropical: 0018-0032 SP, pop mx of local flavor, TC and ID by M at 0023, VG (KRUEGER 8/15) 0325 in SP, Andes type mx, several ID's but no mention El Mar or Ondas del Mar (BISHOP 8/25)
- 3350 GHANA GBC: 0605-0630 in EG, mx, ads, good signal (GODFREY 8/18)
- 3360 GUATEMALA LV de Nahuala: 0149 in SP, LA mx (IEFFLER 9/6) 0305-0315 SP, ranchero mx, lcl armts (WOOD 9/11)
- 3366 GHANA GBC: 2257-2305* in lang, choral mx, M at 2300, NA (KRUEGER 8/26)
- 3375 ANGOLA R. Nacional: 0455-0500 in PT tlk (WOOD 9/11)
- 3380 ECUADOR R. Iris: 0300-0400 in SP, NA, into lcl event featuring Esmeraldas' mayor (WOOD 9/11) Welcome aboard, Richard-DR
- 3380 GUATEMALA R. Chortis: 0151 in SP, LA mx (IEFFLER 9/6)
- 3381 ECUADOR R Iris: S/on 1100 w/Andean mx, good level, armt by W 1102 as "Radio Iris" then TC for 6 in the morning. Into Andean melodies (PADULA via TDXN-72)
- 3385 UNITED Stn hrd here several nites w/LA mx till 0300 or so, then rustic Andean mx. (Don't confuse w/3386 Peruvian being hrd by some.) Ecuadorian NA 0400*(PERDUE)

- 3388 SOUTH AFRICA Radio 5: 0300-0315 in EG, rock mx, ID's, daily since 8/13 (MAYER) 0345-0445 f/o in EG w/ a lot of pop mx. "Top 10" of Billboard, ID as "This is music radio, Radio Five in South Africa" (RAVENHORST)
- 3395 VENEZUELA R Universidad: 2356 SP, tlks (IEFFLER 9/5) 0100 w/mx, ID (TANNENWALD) 0305-0320 SP, lcl events (WOOD 9/11)
- 3396 NIGERIA NBC-Kaduna: 0440 (T) in AA chanting, Call to Prayer, very weak (MCMULLEN 8/21) 0444 EG, IS of drums once during program followed by M in tlks, RBC QRM and noise (BISHOP 9/1)
- 3396 RHODESIA RBC: 0355-0420 w/church bell IS, ID, TC, mx. TC & ID 0415 and into music w/ads, E (SMITH 8/18) 0411-0440 EG, election report, pop mx, ads for "Coke", E (OSTERMAN 8/18) Same night for you guys-DR....
- 3425 NEPAL RN: 1433-1455, EG px, ID's, lcl mx, 2150 w/mx (WALLIN-AUS 8/20)
- 3810 ECUADOR HD210A: Time station hrd from *0459-0505 w/ID's by M, time pips (EDELSTEIN) Not noted several nights around 9/2 but back on 9/6 here and on 7600 (FOGWORTH via TIKN-72)
- 3905 ADMIRALTY IS R Manus: 0840 w/Pidgin tlk by M, frequent mention of Papua New Guinea. Good for 2 KW (BISHOP 8/16)
- 3945 NEW HEBRIDES NHBS: 0935 in FR, M in tlk, mention of Hebrides, some MOR mx (BISHOP 8/16)
- 3952 GT BRITAIN BEC: 0049 M in lang, ID // freqs 5965, 6140, 7275 (under Tunis), 7230, 9825 (EDELSTEIN)
- 3980 SOUTH AFRICA SABC: Springbok Radio 2359 in Afrikaans w/mx (IEFFLER 9/5) 0214-0227 EG, ID, ads (POPPIN 8/20)
- 3980 W. GERMANY VOA-Munich: 0545 in EG, US pop mx, Science Digest pgm (HOFFMAN)
- 3995 W. GERMANY DW: 0000 in GM w/piano concert by Mozart, IS, nx (IEFFLER) 0245 in GM, M in tlk, pop mx (EDELSTEIN 8/11)
- 4068 CHINA Huhehaote: 1103-1112 in CH w/continuous W in sharp-tongued tlk (KRUEGER)
- 4380t CHINA PLA Fuzhou: 1047-1120 in CH, Asian vocals, M at 1100, martial mx from 1113 (KRUEGER 8/25)
- 4485 ASIATIC RSFR Petropavlovsk: 1020-1102 in RS, W & M in discussion, orch and semi-classical mx, time pips 1100 (KRUEGER 8/22)
- 4553 N. KOREA V of Rev Party: 1410-1428s/off in EG w/ID by W "You are listening to the Voice of the Revolutionary Party for Reunification" ID's, and "So long..." at the end of bdest (POPPIN 8/15)
- 4585 USSR: 1304-1330 in RS w/RN ID 1330 and TC "You're listening to Kayak-- this is possible feeder?" (POPPIN 8/6)
- 4680 ECUADOR R Mac Espejo: 0540 SP, Ecuadorian mx, M w/ID (JORDAN 8/3)
- 4719 INDONESIA RRI Ujung Pandang: 1225-1250 IN, vocals, orch mx, tlks in IN (THOMPSON 8/16)
- 4755 COLOMBIA Em Nuevo Mundo: 0105 SP, LA mx (EDELSTEIN) 0555 SP, nice LA mx (JOHNSON 8/8) 0903 SP, mx and ID's for CARACOL (JORDAN 8/12)
- 4755 BRAZIL Rdf Maranhao: 0015 in PT, mx, tlks, nx and brief ID (TANNENWALD)
- 4760 SWAZILAND TWR: 0434-0500 Afrikaans, ID 0459, choir and religious tlk (POPPIN 8/10) Good catch George-IR
- 4765v SUMATRA RRI-Medan: 1352-1411 w/musical chime 1357. Varying between 4763 and 4767 these days (POPPIN 8/19)
- 4765 CONGO RTVC: 2140 w/EG nx and ID (LINEBACK 8/19) 0005-0100 in FR and lang tlks, to 0013 when opening bars of Internationale and mx thereafter (MCMULLEN 8/1)
- 4770 VENEZUELA R Bolivar: 0005 SP, with mx (IEFFLER 9/6) 0106 M in tlks, football commentaries, ID (EDELSTEIN) 0328 w/many ads and talk of a campaign to minimize electric use (PINEAULT)
- 4770 LIBERIA ELWA: 2215 EG w/rel px (SMITH 8/18) 0644-0710 BBC rx relay 0700 and ID "ELWA bdstg fm Monrovia" (POPPIN, OSTERMAN)
- 4775 BRAZIL Voz do Oeste: 0112 PT, M in tlk, heavy QRM/QRN (EDELSTEIN)
- 4779½ SURINAM SRS: 0410 EG w/pop mx, ID as "SRS" and "Radio 725" until off the air 0436 in mid-song. Px called "The Sunday Morning Show" (GIONET 8/28) Late?
- 4780 VENEZUELA LV de Carabobo: 0007 SP, LA mx, vocal by M (IEFFLER 9/6)
- 4780 GUINEA BISSAU RN: 2235-2355 w/guitar/string mx, tlk 2309, had HET 2355 (SNYDER 8/7) As my monitoring has been limited recently, I'm not sure of this one on 8/7 but they are definitely not on this freq as of this writing-DR
- 4780½ VIETNAM Liberation Radio: on 8/25 only, a Vietnamese stn observed closing at 1306; had Moscow-type modulation and fair signal. Not found since. Liberation Radio listed 1230* in FEDXR skeds (HILL via TIKN-72)
- 4785 TANZANIA RT: 2045-2100* lcl mx, Swahili nx 1955, ID prior to NA (WALLIN-AUS)
- 4785 AZERBAIJAN SSR Baku: 2150 relaying Moscow 2 w/classical mx (LINEBACK 8/19)
- 4795 ECUADOR LV de las Caras: 0400-0402* SP, M w/armts and ID, short march and off, no NA (PERDUE 8/20)
- 4800 VENEZUELA R Lara: 0010 SP, LA mx (IEFFLER 9/6) Some of the nicest Venezuelan mx.
- 4805 BRAZIL Rdf Amazonas: 2338-2353 PT, M in tlk, mention "Manaus" and "Belem" McLAUGHLIN 8/22) 0845 PT, mx and ID (TANNENWALD 8/15)

- 4806 SAO TOME R Nacional: 2250-2302* from fade/in 2250 w/bright instrumental mx, tlk in what sounds like Swahili, choral anthem (CRESS 8/19) Can't imagine a SH program Hadley although it could have been another px on tape--DR
- 4810 VENEZUELA R Popular: 0114-0145 SP, w/LA mx, ads, and ID's (TANNENWALD 8/21, EDELSTEIN 7/4)
- 4815 UPPER VOLTA LV de la Renovacion: 0532 in FR/Vernacular w/lcl instrumental mx, tlk by M (TAYLOR 8/22)
- 4815 COLOMBIA R Guatupuri: 1004 SP w/ID as ". . . somos profesionales, somos Radio Guatupuri. . ." (JONES 8/27) 0135 w/LA vocals, TC's, ID (TANNENWALD 8/21) 0250-0300 SP w/M ancr, "Musica de Ecuador" --beware HC hunters (PERDUE 8/21) 0440-0502 w/ID 0501 by M, LA mx after (POPPIN 8/16)
- 4815 PERU R Samaren: 0300 w/mix of LA pops, two cuts of U.S. soul, DJ after each song w/ "LV de la Revolucion" and "Radio Samaren" ID's, 0300-0335 t/o with mentions of "Iquitos", ads. Guatupuri off (MCNEIL 9/11)
- 4820 ECUADOR R Paz y Bien: 0934 w/SP ID's and tlk by M--Super Signal! (BISHOP 8/9)
- 4820 ANGOLA Radio Nacional: 2205-2240 in PT, M & W in tlks, pop and lcl mx with "Imagine" by John Lennon, etc. (GIONET 8/19) 0505 w/drum mx, into lcl "Angolan" mx (BISHOP 9/1)
- 4820 HONDURAS HRVC: 0120-0130 SP, M in tlk, EL mx, religious mx, ID (EDELSTEIN) 0415 in EG w/ID's and rel. px, QSL information (SANDBORN 8/21)
- 4825 DOM REP LV Fuerzas Armadas: 0015 SP, w/"Merengues Dominicanos para bailar..." (IEFFLER 9/6) 0120 w/LA mx, ID (TANNENWALD 8/4)
- 4825 TURKMEN SSR Ashkabad: 2153 in RR w/tlk and mx, F (LINEBACK 9/19)
- 4827a GUATEMALA R Mam: 0231 in indigenous lang w/ID, tlks, Marimba mx (JONES 8/18)
- 4830 GABON Franceville: From 2230 w/good signals and pop type mx, FF ancrs, lcl string mx. At 2256 march NA in progress to 2257* (MCNEIL 9/10) Also noted here w/excellent signal--IR
- 4832 COSTA RICA R. Reloj: 2225 w/SP tlk and mx (SNYDER 8/7) 0220-0552 w/LA mx, frequent ID's (JOHNSON, EDELSTEIN, JORDAN, SANDBORN)
- 4840 VENEZUELA Radio Valera: 0015-0025 w/YV MGR mx, TC's were 2 minutes late, ID's "Radio Valera informe. . ." In the clear with Brazil off (MCNEIL 9/12)
- 4844.6 (T) MALAYSIA KL: At 2225 w/Islamic type chants by M to 2240 when lost in the noise. Back 2305 w/M in tlk for a few words, more chants, Asian type mx and whaling to f/o 2320. Measured this exact freq at 1053 with same type chants and Mauritania up on 4850 this day (MCNEIL)
- 4845 MAURITANIA Nouakchott: 2155-2400 in AR w/chants, Ramadan tlks (WOOD, IEFFLER, LINEBACK, GIONET) 0710-0725 w/AR mx, lcl mx via long path on 8/20 (WALLIN-AUS)
- 4845 MOLUCCAS RRI-Ambon: 1230-1245 IN, time pips, vocals, instrumental mx, rx and more IN tlks (THOMPSON 8/17)
- 4850 DOM REP R Clarin: 0130-0815 w/LA mx, ID's and TC's, pop mx (TANNENWALD, GCMFREY, JORDAN, JOHNSON, SILLINGS, EDELSTEIN)
- 4850 CAMEROUN Radio Cameroun: 2130 in FR w/px of mx dedication with M ancr and ID as "Radio Cameroun Poste Nationale a Yaounde. . ." (GIONET 8/27)
- 4850 VENEZUELA R Capital: 0625 SP, w/a lot of tlk (JOHNSON 8/10)
- 4852 YEMEN ARAB REPUBLIC Sanaa: From 2115 very weak to 2318* when strong. AR rx 2308-2315, ME mx to abrupt s/off (MCNEIL 9/7)
- 4860 PERU R Chinchaycocha: 0440-0510 SP, M DJ, musica del campo, VG (KRUEGER 8/29) 0445 w/typical Peruvian vocals by W, M ancr, frequent ID's (PERDUE 8/20) Beautiful harmonizing vocals like "Rancho flores" w/guitars and w/vocalist--hrd with a 15 ft indoor dipole (POPPIN 8/11) 0756 w/ID, TC, folklorico mx (JONES 8/18)
- 4860 VENEZUELA R Maracaibo: 0133 in SP, EL LA mx, ID by M (EDELSTEIN 7/4)
- 4860 USSR Kalinin: 2155-2235 in RS/EG, 2155 IS, *2200 in RS, ID, rx in RS. 2229 foreign service IS and *2230 in EG, ID for NA FS by W, freqs given but this one not mentioned (LINEBACK 8/19)
- 4865 COLOMBIA LV del Cinaruco: "Escuchan La Voz del Cinaruco, emisora CARACOL..." and LA mx (JONES 8/27)
- 4865 BRAZIL (T) R Sociedad Feira Santana: 0130 in PT, M w/echo promos, theme mx, mentions "Sao Paulo" and "Santana" (MCLAUGHLIN 8/23)
- 4865 CHINA Lenzhou: 2205 in CH, W in tlks (LINEBACK 8/19)
- 4870 BENIN LVR: 2210-0100 in FR w/political tlks, lcl mx, ID (TAYLOR, CRILOFF, WOOD, KENYON, LINEBACK) 0440 in FR, lcl mx and tlk (JORDAN 8/11)
- 4870 ECUADOR R Rio Amazonas: 0137-0142 in SP, M in tlks, mx, ID's (EDELSTEIN) 0315-0326v* Ecuadorian mx, closing awnts, ID's, anthem and immediately off. Hrd a nother night 0300* (JONES 8/26, PERDUE 8/18)
- 4875 SOUTH AFRICA RSA: *0259-0303 EG, rx, ID by M --This is RSA, not SABC (VALKO) Your comment is duly noted--I mistakenly listed SABC last issue, DR
- 4875 IRIAN JAYA RRI-Sorong: Fading in 0950 or so, IN tlks by W. Colombia s/on around 1030. Very poor (MCNEIL via TKN-72)
- 4880 VENEZUELA R Universo: 0105-0150 SP, LA mx, M ancr, TC's (EDELSTEIN, TANNENWALD)

- 4890 PAPUA NEW GUINEA NBC: 0755-1400 w/EG pop mx and DJ, Beatles mx, TC's (TRASK, GODFREY, KENYON, EDELSTEIN, BRYAN, THOMPSON, SANDBORN)
- 4890 SENEGAL Dakar: 2250 w/M in lang followed by M in chant (GIONET 8/25) Radio Senegal now on 4950 as well but not // at times--DR
- 4900 VENEZUELA R Juventud: 0000-0310 w/XV mx, semiclassical mx, disco and Elvis cuts (JORDAN, TANNEWALD, LEFFLER, MILLER, EDELSTEIN) Sorry for putting Elvis and disco together on the same line--DR

Another month, another column. . . but it seemed like a slow month as far as loggings go. Conditions improving slowly but steadily, especially 90 meter band Brazilian openings. One additional item of interest below via TDXN-72, the Tropical DX Newsletter. Until next month.....

- 4178 ANGOLA R. Nacional, Emissora Lobito: Located here thanks to tip from Craig Tyson. My first Angolan other than Luanda since the Portuguese left. Solid copy w/soft mx 2250 t/in, M ancr in PT, ID 2259 as "Radio Nacional, Lobito" w/new NA sung by chorus. Carrier off 2302 (HENDERSON in TDXN-72)

And now this bit of wisdom from Neal Ferdue:

"DX-1000"

Dedicated to newcomers to the DXing hobby, and to some who have been around for awhile.

- D --- DETERMINATION to fight the GBU, WBN, Utes, nets etc. and hear that DX. DEDICATION to maintaining high standards of accuracy and honesty in reporting this DX to your club.
- X --- 'XCELLENCE in reporting FACTS and well thought-out conjectures.
- F --- PATIENCE, PERSISTENCE, PLANNING and occasionally some PURE luck
- E --- EVERY EFFORT made to snag that microvolt, with the most EFFICIENT antenna system that your space will allow.
- R --- READ every publication, article and station schedule that you can get your hands on.
- T --- THINK!, before you send that log in as a "definite" if no ID was heard. Consider time, darkness pattern, previous logs in various pubs, language, mentions of cities and countries, who is USUALLY there, why aren't they there now? Are other stations from this country audible on the band now? Is short-skip or long-skip evident on the band? Could it be a major broadcaster beaming TO the country you think you have, in that country's language? If no ID is heard, mention pertinent facts you heard--- " mentions of Quito and Ecuador, gave local time as GMT minus 5 hours, ads for Banco del Ecuador, other Ecuadorians in over Columbians and Venezuelans at this time, etc. Use "tentative" or "unidentified" to save yourself embarrassment later. In SERIOUS DX circles, the most valuable possession a DXer has is NOT his receiver, NOT his antenna- it is his REPUTATION FOR HONESTY & ACCURACY! Further, the honesty and integrity of a club can only be as good as that of the individual reporters. We are all only human, and we all make mistakes occasionally. The idea is to keep them to a minimum.

log report

section

B

Sam Barto 245 Cherry Ave. J-11 Watertown, CT. 06795 USA 4900-6200 kHz.

- 4904 CHAD RNT; 0427-0455 in FR w/ IS, ID, anthem, Af. mx and vocals, some VN tlks, (Taylor, McMullen) 2032-2040 in FR w/ tlk & dramatic presentation (Lineback).
- 4905 BRASIL R. Relogio; 0001-0030 in PT w/ tlks and time pips (Perdue). 0850 in PT w/ time signal each minute (Tannenwald 8/19).
- 4906 KHMER REP. Democratic Cambodian Radio; 1300 in CB w/ DJ mx and local mx (Bryan 8/14). 1220 in CB w/ high pitched W anc. (Poppin 8/15).
- 4910 ECUADOR Emisora Gran Colombia; 0157-0550 in SP w/ LA mx, echo-box type ID, some Andean mx, ID, cmntry (Edelstein, Perdue, Jordan).
- 4915 GHANA GBC; 2248-2306* in EG w/ nx, choral mx, ID, NA (Krueger). 0600 in EG w/ ID, news (Sandborn 8/18).
- 4915 KENYA Voice of Kenya; 0353 in SH w/ Af. mx, drums, ID (Bishop). My QSL has already arrived! That's pretty fast service... Sam.
- 4920 AUSTRALIA VLM4 Brisbane; 0715-0950 in EG w/ horse racing results, ID, big band mx, US/Aussie pops, (Bishop, Edelstein, Hoffman).
- 4920 HONDURAS R. Progreso; 0034 in SP w/ ads, ID, lively mx (Leffler).
- 4924nf CAMEROONS R. Yaounde; 1930-1940 in VN w/ W talking //9745 (Lineback).
- 4925nf CAMEROONS R. Yaounde; f/in at 1940 //4972.5. Pgm. in FR (Wallin 8/12) 2115-2200* in FR w/ pop & local mx, //4972.5 but 4925 closed down earlier. IDed as R. Cameroon (Gionet 8/14).
- 4926 ECUATORIAL GUINEA R. Ecuatorial; 0510 in SP w/ Af. mx, ID, good level. Is this station still 5Kws? (Bishop 8/16)... Don't know... Sam.
- 4930 TURKMEN SSR R. Ashkhabad; 2210-0001 in RS w/ tlks, semi-classical mx, operatic mx, choral mx, possible 0001*(?) (Krueger, Lineback).
- 4932 NIGERIA NBC Benin City; 0515-0530 in EG/VN w/ pop mx, M anc in EG, ads by a W, Af. mx, (Perdue). 2242-2300 in EG w/ rel. pgm., nx, (Osterman). 2303-2305* easy listening mx, nx at 2300, ID, NA (Gionet).
- 4935 BRASIL R. Capixaba; 0820 in PT w/ Brazilian MoR mx, ID as R. Capixaba de Vitoria (Bishop 8/16).
- 4935 UNID.; 0005-0100* in SP or PT w/ ads, fast low to high Moog guitar effect was used often, accordion mx. Capixaba??? (Perdue 8/22).
- 4940 CHINA (Site?) 2215 in CH w/ tlks by a W (Lineback 8/19).
- 4940 ECUADOR Rdf. Nacional; 0212-0300 in SP w/ ID, local instrumental mx, some het. QRM/Yaracuy. (Perdue, Krueger).
- 4940 IVORY COAST RTVI; 2211 in FR w/ tlks (Leffler). 0600 in FR w/ nx by a W, ID, Af. mx, native vocal mx (Taylor, Bryan).
- 4940 VENEZUELA R. Yaracuy; 0036-0204 in SP w/ ID, rock and pop mx, some LA mx. (Leffler, Edelstein).
- 4944 VIETNAM Voice of Vietnam Hanoi; 1232-1302 in VT w/ choral and march mx, ID, beautiful singing (Poppin).
- 4945 COLOMBIA R. Colosal; 0039 in SP w/ an ad for Banco Colombia (Leffler). 0733 w/ ID (Poppin). 0208-0548 in SP w/ ID every three minutes, chimes, good mx, tlks, pop mx, cmntry (Sandborn, Sillings, Johnson, Jordan, Edelstein). 0830-0855 w/ LA mx, ID (Berezowski).
- 4950 SARAWAK RMS; 1335-1400 in EG w/ nx, pop mx, tlks (Godfrey, Grenier).
- 4952v SENEGAL R. Senegal; 2330-0004* in FR w/ classical mx, ID, nx by a M, ID as Ici Daker, NA (Gionet 3/25).
- 4955 BRASIL R. Cultura Campos; 0730 in PT w/ vocal selections. Heavy QRM from Colosal. (Bishop).
- 4960 ECUADOR R. Federacion; 0214-0300* in SP w/ pop mx, LA mx, ID, NA w/ QRM from Sucre. (Edelstein, Bishop).
- 4965 COLOMBIA R. Santa Fe; 0041 in SP w/ ads, LA mx, ID (Leffler). 0223-0546 w/ operatic mx, ID, bouncy mx at times, guitar mx & vocals, (Johnson, Poppin, Edelstein). 0915-0958 in SP w/ LA mx, ID, tlks (Jordan, Osterman).
- 4968 VENEZUELA R. Rumbos; 0042 in SP w/ ID, LA mx (Leffler). Berezowski
- 4970t SABAH R. Malaysia; 1424-1431 in XX w/ vocals and tlks (Poppin 8/19).
- 4970 VENEZUELA R. Rumbos; 0225-0248 in SP w/ LA mx, ID, rock mx, instrumental mx, (Edelstein, Jordan). 0420-0523 w/ lively mx, ads, ID (Johnson, Berezowski). 0845 in SP w/ nx, TC, ID (Tannenwald).
- 4972.5 CAMEROON R. Cameroon; 2219 in FR w/ tlks by a M (Lineback 8/19).

- 4975 USSR Blagoveshchensk; 1319-1400 in RS w/ light mx, cmntry(Poppin).
 4980 GHANA GBC; 2223 in EG w/ Af. mx //4915(Snyder).
 4980 VENEZUELA Ecos del Torbes; 0200-0208 w/ tlks,mx,ID's. Complete EG ID at 0208 w/ all call letters and frequencies.Resumed SP programming. (Underdown 8/20)...Thanks for the card...Sam.
 0530 in SP w/ ads,mostly mx(Johnson).0050 w/ ads,ID,LA mx,TC,tlks, (Leffler,Tannenwald).0200-0321 in SP w/ ID,LA mx,cmntry,nx,some EG ID's(Field,Edelstein,Sandborn,Poppin,Sillings,Jordan).
 4985 BRASIL R. Brasil Central; 0540-0600 in PT w/ EG rock & pop mx,ID,TC, (Tiers,Johnson).
 4990 NIGERIA NBC Lagos; 2158 w/ Af. chants,tlks(Snyder).
 4990 VENEZUELA R. Barquisimeto; 2345 in SP w/ ID,TC(Tannenwald). 0047 w/ LA mx(Leffler).0215-0242 in SP w/ LA mx,ID,TC(Edelstein,Jordan).
 5000 USA WWV; 0246 in EG w/ TC,pips(Edelstein). Wallin).
 5010 CAMEROON R. Garoua; 1950-2202* in AR(?) w/ local mx & nx(Gionet,
 5010 COLOMBIA R. Surcolombiana; 0845 in SP w/ ID(Tannenwald).0050 in SP w/ ID and nx(Leffler).
 5015 BRASIL R. Pioniera de Teresina; 0720 in PT w/ Brazilian MoR mx, ID, QRM from another PT(Bishop 8/28).
 5015 UNID. 2345 in PT w/ Catholic rel. B/C(Field 8/30).
 5020 COLOMBIA Ecos del Atrato; 2359-0120 in SP w/ ID,vocals,LA mx,ads, TC's,(Osterman,Leffler).
 5020 NIGER ORTN; 0545-0618 in FR w/ tam-tam, Af. mx,ID,nx(Gionet,Pineault)
 5020 SOLOMONS SIBS; 1036-1130* in EG w/ C&W mx,ID, male ancr., RA nx at 1100,address and NA given(Blossom 8/29).
 5030 SARAWAK RM; 1330 in Bidayah w/ nx(Godfrey 8/11).
 5030 VENEZUELA R. Reloj Continente; 0001-0110 in SP w/ ID,LA mx,ads,TC, (Leffler,Sandborn,Tannenwald).
 5035 BRASIL R. Aparecida; *0855 in PT w/ NA,ID,local mx(Bishop 8/16).
 5035 COLOMBIA La Voz del Caqueta; 1100-1110 in SP w/ echo anncts,ads for business in Bogota,LA mx(Wallin 8/12).
 5038 CENTRAL AFRICAN EMPIRE La Voix de L'Empire Centrafricaine; 2230-2305 close down w/ local mx, nx in FR,ID,NA(Gionet).0605-0616 in FR w/ ID, Af. chanting, tlks in FR(Snyder).
 5040 COLOMBIA R. Cinco; 0824 in SP w/ TC,ID,LA mx(Edelstein,Tannenwald).
 5040 VENEZUELA R. Maturin; 0055 in SP w/ LA mx,ID,TC(Leffler).
 5041 GUINEA BISSAU R. Nacional; 2130-0002* in PT w/ local mx and some pop tunes,ID and NA(Gionet 8/28).
 5045 BRASIL R. Educativa do Para; 0057 in PT w/ Brazilian mx and ID(Leffler 9/6).0115 in PT w/ vocals,ID,TC(Tannenwald 8/26).
 5047 TOGO R. Togo; 2215 in FR w/ local vocals(Leffler 9/6)
 5050 TANZANIA R. Tanzania; 2010-2016* in SH w/ ID,NA(Wallin).
 5050 VENEZUELA R. Mundial; 0005-0100 in SP w/ LA vocals,bongs,ID,drums, LA mx(Leffler).0823 in SP w/ ID,lottery results(Edelstein).
 5052 SINGAPORE R. Singapore; 1251-1310 in EG w/ ID,address,TC,guitar mx, orchestra mx,vocals and nx(Thompson).1415-1431 in EG w/ ID, W announcer(Poppin 8/12).
 5060 ECUADOR R. Nacional Progreso; 0520 in SP w/ Local mx(Johnson 8/8).
 5075 COLOMBIA R. Sutatenza; 0007-0145 in SP w/ ID, LA mx, jingles,tlks, TC and vocals(Leffler,Kenyon,Jordan).
 5095 COLOMBIA R. Sutatenza; 0103-0305 in SP w/ ID,country mx,tlks,LA mx, ads(Edelstein,Sandborn,Leffler).
 5925 AUSTRIA ORF; 2100 in GM w/ ID,nx, OOB tests(Wallin).
 5930 CZECHOSLOVAKIA R. Praha; 0105 in EG w/ nx(Leffler).
 5935 LATVIAN SSR R. Riga; 2110-2135 in SW w/ some light instrumental mx, vocals,chimes IS,ID,(Hobbs 7/27).
 5954 CCSTA RICA R. Casino; 2343 in EG w/ pop and MoR mx, into SP at 0000, QRM from RCI on 5960(Gionet).
 5960 AUSTRIA ORF; 2155-2200 w/ open carrier,sign on and ID(Wood 9/8).
 5960 CANADA RCI; 0107 in FR w/ sports(Leffler).2248 in EG w/ "As It Happens",world nx,IB,(Sillings).0300-0325 in EG w/ ID,nx(Sullivan).
 5960 HONDURAS La Voz de Occidente; 2028-2106 in SP w/ DJ,complete ID, TC, LA and EG soul mx,(Krueger 8/5). Good catch...Sam.
 5965 MALAYSIA R. Malaysia; 1431 in ML w/ US pop mx(Grenier).
 5970 PERU R. El Sol; 0235-0515 in SP w/ lively LA mx,ID,piano mx,ads and classical mx(Wiseblood,Jordan).
 5975 ENGLAND BBC; 2350-0448 in EG w/ ID,classical mx,interviews and economic tlks,(Sillings,Thompson,Dubin,Wiseblood,Leffler,Bryan).

- 5980 PERU R. Panamerica; 0506-0551 in SP w/ DJ, ads, ID, pop mx, Peruvian mx, ads were for Alka Seltzer & Coca Cola (Pineault, Krueger).
- 5980 SOUTH AFRICA R. RSA; 2220-2247 in EG w/ ID, nx, mx (Sillings, Hascall, Swanson). 0335 in EG w/ mx pgm (Swanson).
- 5980 USSR R. Moscow; 0120 in RS w/ tx (Leffler).
- 5985 ARGENTINA R. Splendit; 0930 in SP w/ ID, mx (Edelstein).
- 5990 ROMANIA R. Bucharest; 0050 in SP w/ tlk show, ID (Miller).
- 5995 AUSTRALIA RA; 0811-1100 in EG w/ ID, TC, nx, // 9515, 9540, 9570, 11740., pop mx & rock mx, (DeLong, Edelstein).
- 5995 MALI R. Mali; 2210 in FR w/ tlks, // 4825 (Gionet). *0600 in FR/VN w/ ID, local Af. pipe and drum mx, (Hoffman).
- 5995 USA VOA Greenville; 0448 in EG w/ college tlks (Dubin).
- 5995 VATICAN R. Vatican; 0120-0130 in FR w/ ID, nx (Leffler, Kenyon).
- 6000 COLOMBIA R. Super de Medellin; 1057 in SP w/ mx (Jones 8/17).
- 6005 ASCENSION BBC; 2145 in EG w/ ID (Snyder 8/21).
- 6005 CANADA CFCX Montreal; 1400-1900 in EG w/ sports, Coke ads, promo for the Joe Cannon pgm., pop mx, ID, nx (Edelstein, Kenyon, Sullivan, Sillings, Orloff). 0630 in EG w/ ID (Johnson). Edelstein.
- 6006 COSTA RICA R. Reloj; 0806-1053 in SP w/ Swiss type mx, ID, I mx (Valko, ITALY RAI; 0427 in EG w/ nx, ID (Noonan 9/1).
- 6010 VENEZUELA R. Mil Cuarenta; 1038 in SP w/ comls, TC, ID by a W. This station also uses the ID R. Los Andes (Jones 9/9).
- 6015 AUSTRIA ORF; 0453 in EG w/ ID & Shortwave Panorama pgm. (Dubin 8/31).
- 6015 RHODES VOA; 2120 in EG w/ nx (Hoffman).
- 6020 NETHERLANDS RN; 0126 in SP w/ mx (Leffler).
- 6020 PERU R. Victoria; 1055 in SP w/ Beethoven theme, greetings to listeners, mx (Jones 8/24).
- 6025 BIAFRA NBC Enugu; 2300-2306* in EG w/ nx by a W, ID (Taylor 8/23).
- 6025 PORTUGAL RP; 0128 in PT w/ accordion mx (Leffler). C317-0327 in EG w/ regional PT mx (Bogel 8/31).
- 6030 ENGLAND BBC; *2115-2200* in SP to Spain (Wood 9/9).
- 6030 UGANDA UBC; 1458-1520 in EG w/ local mx, ID, nx from 1500-1510, cmntry and interview w/ Ugandan irrigation expert (Wallin 8/20).
- 6030 USA AFRTS; 0130 in EG w/ San Diego/LA Dodgers BB game (Leffler). 0500 w/ sports report (Dubin).
- 6035 LIBERIA VOA; 0303-0315 in EG w/ pop mx, ID, nx, letters read (Bogel).
- 6040 FED. REP. OF GERMANY DW; 0133 in EG w/ nx (Leffler).
- 6040 GERMAN DEM. REP. RBI; 0258 in SP w/ ID, IS (Jones). (Jones 9/6)
- 6045 BRASIL R. Clube Paranaense; 0936 in PT w/ echo ID, theme mx from SWAT
- 6045 FRANCE RFI; *0500-0510 in FR w/ ID, IS, opening song, nx about Africa, followed by more Af. mx. Other sources have St. Louis reported here so be careful... Sam.
- 6050 ECUADOR HCJB; 0136 in SP w/ religious pgm. (Leffler).
- 6050 ENGLAND BBC; 0510-0520 in EG w/ ID, cmntry on Rhodesian problems, then nx about British papers (Dubin 8/31).
- 6055nf COLOMBIA R. Super de Cali; 0725 in SP w/ LA pops, ID, x-6120 (Jones).
- 6055 RWANDA R. Rwanda; 1525-1535 in VN w/ Af. mx, under NSB (Wallin 8/20).
- 6060 TANGIER VOA; 2230* in FR w/ nx, ID (Gionet).
- 6065 BELGIUM BRT; 0015-0045 in EG w/ ID, replaces 9730 (Wood 9/5).
- 6065 SPAIN RNE; *0100-0245 in EG w/ nx of Spain, Panorama pgm., world nx, ID, cmntry (Golkin, Leffler, Fraser).
- 6065 SWEDEN RS; 0200-0230 in PT to Brasil, *0330 in SW to Europe (Wood 9/5).
- 6070 CANADA CFRX; 1530-2131 in EG w/ ads, phone tlks, nx, ID, pop & MoR mx, (Sullivan, Kenyon, Golkin, Edelstein).
- 6075 COLOMBIA R. Sutatenza; 2200 in SP w/ ID, frequencies were given w/ mx till sign off at 0207* (Miller 7/21).
- 6090 AUSTRALIA VLI6 Sydney; 0908 in EG w/ local NSW nx, TC, ID (Osterman).
- 6090 LUXEMBOURG RL; 0030-0145 in EG w/ pop and rock mx, ID, TC, (Gionet, Baum, Chesley).
- 6095 POLAND RP; 0200-0215 in EG w/ ID, nx (Sullivan).
- 6100 LIBYA PRB Tripoli; 2115-0000 in AR // 9500, 11700, 15100., w/ Koran chants, political ravings, time pips (Wood, Krueger). Sandborn).
- 6100 MALTA DW; 0128-0150 in EG w/ .IS, ID, nx, orchestra mx, cmntry (Thompson).
- 6100 MOROCCO RTVM; 2115 in AR // 6170 w/ ID (Snyder 8/26). This must be fun with PRB on the same channel... Sam.
- 6105 MEXICO Su Pantera; 0308 in SP w/ ID, TC, comls, US pop mx (Jones 8/18).
- 6105 NEW ZEALAND RNZ; 0545-1030* in EG w/ comedy, ID's, nx, wx, TC, interviews, cmntry, stock reports (Blossom, Taylor, Johnson, Self, Jones).
- 6110 BONAIRE TWR; 0350 in EG w/ ID (Wood 9/9).

- 6115 COLOMBIA La Voz del Llano; 0225-0350* in SP w/ LA mx, piano mx, ID, orchestra and classical mx, guitar and pop mx (Sapoznikow, Field).
- 6115 MEXICO R. Univ. de Sonora; 1945-2015 in SP w/ piano and orchestral mx (Thompson 8/29).
- 6120 ARGENTINA R. El Mundo; 0735 in SP w/ TC, ID, calls and frequency was mentioned, MoR mx (Jones 8/30).
- 6120 SWEDEN RS; 2300-2330 in EG to NA (Wood).
- 6120 VENEZUELA R. Angostura; 1010 in SP w/ ID, coms, tlks, (Jones).
- 6130 CANADA CHNX; 1510-2135 in EG w/ nx, wx, ID, ads, traffic reports, pop mx, Burger King ads, (Meehan, Sullivan, Taylor, Edelstein).
- 6130 ECUADOR HCJB; 0933 in EG w/ religious tlks (Edelstein).
- 6130 GHANA GBC; 2150-2301* in EG w/ orchestral mx, ID, nx, NA, station does not seem to be on daily (Cress, Wood, Snyder).
- 6130 SAUDI ARABIA BSKSA; 2210 in AR w/ instrumental mx (Snyder).
- 6130 USA VOA (Site?); 0011 in EG w/ Words and Their Stories and Critics Choice. AR underneath (above). (Orloff 9/11).
- 6145 FED. REP. OF GERMANY DW; 0250 in GM w/ pop mx (Bryan 8/12).
- 6150 COLOMBIA La Voz de Huila; 0250-0550 in SP w/ LA vocals, ID, (Field, USA WYFR; 0300-0330 in EG w/ Bible pgm (Chesley). Osterman, Wood).
- 6160 ECUADOR HCJB; 1020-1102 in EG then into SP w/ rel. pgm, nx, ID (Jones)
- 6160 COLOMBIA Emisora Nueva Granada; 0912-0931 in SP w/ LA mx, ID, TC (Self)
- 6165 BONAIRE RN; 0215 in EG w/ DX Juke Box, ID, musical pgm, cmntry (Wolt-)
- 6170 COLOMBIA La Voz de la Selva; 0930 in SP w/ LA pop mx, ID, man. ads for Caracol Land! (Bishop 8/13).
- 6175 ANTIGUA BBC; 2315-2330 in EG w/ World Radio Club (Golkin).
- 6175 ASCENSION BBC 2245 in EG w/ sports roundup pgm (see above) (Swanson).
- 6175 COSTA RICA Farc del Caribe; *1055 in SP w/ NA, ID, mandolin mx, freq's, address and phone number was given (Jones 8/27).
- 6175t PERU R. Tawantinsuyo; 1029 in SP w/ long string of coms, w/ ID, calls and freq's, folklorico mx (Jones 8/27).
- 6175 SWEDEN RS; 0300-0330* in SP to LA (Wood 9/9).
- 6180v GUATEMALA RN; 1203-1245 in SP w/ ID, marimba mx, (Wallin).
- 6180 VENEZUELA R. Turismo; 1008 in SP w/ Venez. mx, ID, coms (Jones 9/1).
- 6185 USA VOA (Delano?); 1306-1328 in EG w/ nx (Bogel).
- 6190 VATICAN RV; 2345-0000* in IT (Wood 9/8).
- 6190 VENEZUELA Ecos del Torbes; *1011 in SP w/ ID as "Transmite Ecos del Torbes en San Cristobal, Patria del Libertador", call letters for medium wave, 60 meters, 31 meters and 49 meters (not mentioned) (Jones 2330-0000 in SP over the VOA (Wood 9/3)).
- 6195 ANTIGUA BBC; 1307-1345 in EG w/ nx on Rhodesia peace plan (Bogel).
- 6195 CANADA CBC NS; 0200-0315 in EG w/ nx, ID, some native Indian mx, station asked for reception reports (Thompson, Hascall).
- 6200 ALBANIA R. Tirana; 0130-0200 in EG w/ ID, nx, cmntry (Blossom, Sandborn)

Thats it for this month. Would you believe that everyones report was printed? Good show!

Speaking about a good show, our annual outing was held on Sept. 11th in Watertown, Conn. A total of 54 people came from 5 States. There were a half a dozen or so editors from approximately 10 DX Clubs. Prizes included books, magazines, electronic equipment, wall clocks and more than 1200 foreign DX bulletins. See you next year....Sam.

HELPING HAND: Would like hearing from anyone who uses or has used an AUTEK QF-1 FILTER. How effective is it against ITV? Contact Wm. P. Stevens, 514 N. Second ST., Jeanette, PA 15644; if you can help.

HELPING HAND: Would appreciate help from XCR-30 owners on construction of an outdoor whip-type antenna that works better than the built-in ons. Write Bill Schumann, 1060 Cascade Way, Apopka, FL 32703.

QOFS!! In the last minute rush to get SEPT FRENEX together I managed to miss label all the pictures in the center of the bulletin. The three pictures from Australia are of the ABC shortwave relay VLW in Perth, WA, they were taken by Dennis Boles a friend of Andy Robins. The picture from Radio Clarin was not from Andy, and I don't remember who sent it at the moment.

log report section C

6205 kHz - 11700 kHz

Tom Gavaras 16920 17th Avenue North, Wayzata, Minnesota 55391.

- 6205** LIBYAN WATERS MEBO II Radio Ship; 1854-1915 Continuous pop music with English announcements//9810, 773 kHz & 90 MHz (Lineback, Wallin). 2030-2302* Pop music w/English talk & Man of Action theme. (Gionet, Wood, Hobbs, Edelstein, Taylor, Pineault, W. Smith, Valko).
- 6250 KOREA (NORTH) KCBC; 0923-0928* Korean w/songs & Nathem. Poor signal (Osterman 8/26).
- 6540 CHINA R. Peking; *2030 IS, Spanish ID, music & talk about China (Lineback 8/24).
- 6575 KOREA (NORTH) R. Pyongyang; 2030 English ID & talk about Tito's visit (Lineback).
- 6645 CHINA R. Peking; 2025-2030* French ID, Chinese choral mx, International. (Lineback).
- 7065 ALBANIA R. Tirana; 0153 Portuguese talk about Communism (Leffler 9/6).
- 7070 INDONESIA RRI (Jakarta); 0522 Indonesian talk & local mx (Jordan). 1202 Indonesian ID & Rock music (Poppin). 1535 Indonesian talk w/English & French music (Godfrey).
- 7100 BULGARIA R. Sofia; 0430 English nx & cmntry (Dawson). 0500 Greek ID & tlk (Wood).
- 7105 MONACO TWR; 0636-0715 English w/Back to Bible, Gems of Grace, etc. (Blossom).
- 7105 SPAIN RTVE; 1948 Spanish talking by a man and Spanish music (Orloff 9/11).
- 7110 SAUDI ARABIA BSKSA (Riyadh); 0100-0134* Blessings for Ramadan in Arabic (Wood 9/7).
- 7110 SRI LANKA VOA; *1300-1340 English w/News this Week, Press Conference USA (Wallin).
- 7123.5 ALBANIA R. Peking; 0100 English pgm (Wood, Sillings). 0330 EG talk (Jordan, Godfrey, Wood)
- 7125 POLAND Polish Radio; 2230 English news, temperature, Panorama, etc. (Gionet 8/30).
- 7130 ENGLAND BBC; 0156 English w/Anguish by Radio (Leffler 9/6). -Anguish??? (editor).
- 7135 FRANCE RFI; 0508 Pop Music, French news & identification (Godfrey 8/25).
- 7155 USSR/BULGARIA R. Moscow; 2300-0230 English news, Orchestra mx (Jordan, Noonan, Leffler).
- 7140 CYPRUS BBC; 0200 World Service in English (Wood 9/5).
- 7140 JAPAN R. Japan; 1320+ Japanese tlk, ID, mx (Godfrey). -I have Chinese listed as lang!
- 7150 GERMANY DW; 0500 English news into French program at 0515 (Godfrey 8/12).
- 7150 USSR R. Moscow; -0227 Spanish talking, ID, news, etc. (Jordan, Leffler).
- 7150 USSR R. Kiev; 0035 English news, Music from the Ukraine, ID (Birkhauger, Jordan).
- 7160 FRANCE RFI; 0500 French music, Identification & talk. (Wood 9/11, Noonan 9/1).
- 7165 PHILIPPINES VOA; 1200 English news, VOA Jazz Hour, etc. (Thompson 8/19).
- 7165 USSR R. Moscow; 0045-0235 English nx & cmntry (Noonan, Leffler, Jordan).
- 7170 NEW CALEDONIA R. Noumea; 0617 French tlk w/pop mx (Dawson). 1045-1100* French talk, IDs, English & French pop music (Onken 7/28).
- 7175nf TURKEY VOT; 2200-0030 English program (ex 11880) // 9515. Intense QRM. (Wood 9/4).
- 7175 USSR R. Moscow; 0008 EG news (Jordan). 0030 English ID & News (Bryan).
- 7185 ENGLAND BBC; 0530 English program with Classical music//6175 (McMullen 8/12).
- 7185 SOUTH AFRICA Springbok Radio; 0525 English ads for U.S. Cig. Co, ID, nx (Godfrey).
- 7190 MOROCCO VOA; 0400 English talk, Yankee Doodle, ID and s/off. (Bryan 8/22).
- 7190 YEMEN PDR DYBS; 2300* Identification, National Anthem, s/off. (Wood 9/5).
- 7200nf HUNGARY R. Budapest; *2230 Hungarian to North America (ex 7215) (Wood 9/8).
- 7200 USSR Yakutsk Radio; 1118 Russian & lang w/cmntry, Possible ID, TC, etc. (Poppin).
- 7205 UNID; 0410 FR & Vernacular. African folk & pop music. Radio Yaounde is not scheduled for this time but I can't find any other possibilities. (Godfrey 8/19).
- 7205 USSR R. Kiev; 0037 English news & Identification w/HAM QRM (Jordan 8/23).
- 7215 BRUNEI R. Brunei; 1330 English talk & cmntry. QRM from ARO's (Godfrey 8/25).
- 7215 GREECE VOG; *0500 Greek program to Mid East, Cyprus & Turkey (Wood 9/11).
- 7215 IVORY COAST RTVI; 0615 FR Music, News, etc. (Godfrey, Jordan). 2258 FR mx (Gionet).
- 7225 PHILIPPINES FEBC; 1305 Japanese talk, ID, Guitar mx (Godfrey, Thompson).
- 7225 RWANDA DW; 0410 Swahili talk into English at 0430. (Godfrey 8/18).
- 7230 ENGLAND BBC; 0644 French with English language lessons to Europe (McMullen 8/12).
- 7235 YEMEN ARAB REPUBLIC R. San'a; 0405 Arabic talking & music (Godfrey, Jordan).
- 7240 AUSTRALIA R. Australia (Carnarvon); 1330 English news program (Godfrey 8/19).
- 7245 ANGOLA R. Nacional; 0415 Portuguese & Vern. Talk, ID, mentions of Luanda (Godfrey).
- 7250 USSR R. Moscow; 0034-0220 English w/nx, DX Pgm, etc. (Taylor, Godfrey, Jordan).
- 7260 UNID; During Daventry breakdown heard station w/Afro style mx at 0345. Help! (Bishop).
- 7264 TOGO Rdf TV Togo; 0605 French talk, drum music, etc. (Jordan 8/4).
- 7265 GERMANY (WEST) Sudwestfunk; 0345 German talk & Yodel music (G. Hoffman 8/26).
- 7265 MAITA DW; 2054 Arabic tlk & jazz mx (McLaughlin). -I have Magiribl list as lang (ed-)
- 7265 ZAIRE La Voix du Zaire; 0540 French & Vernacular, mx, chants, jingle, etc. (Godfrey).
- 7270 ASCENSION ISLAND BBC; 0505 English ID, Rock music, news, etc. (Godfrey 8/18).
- 7270 POLAND Polish Radio; 0210 English nx, cmntry, mx pgm//15120, 11815 & 9525 (Meehan).
- 7270 SARAWAK R. Malaysia; 1255 Vernacular w/mx, ID, news, talk, etc. ARO QRM! (Godfrey).
- 7270 SOUTH AFRICA RSA; 0400 English ID, news, etc. (Tiers, Poppin, Godfrey).
- 7275 GERMANY (WEST) DW; 0525-0545* FR tlk & mx (McMullen). -I have Malta listed as site(ed)-

- 7275 NIGERIA VON; *0555 Drum IS, EG ID & News (Jordan, Valko, Taylor, Sillings, Godfrey).
 7275 POLAND Polish Radio; 2230 English to Europe; 2300-2400 German; 0000-0200 Polish to seaman; 0200 Polish & English to North America (Wood 9/5-6).
 7275 TUNISIA RTVT; 0005-0045* FR ID, chants (Jordan, Onken). 0516 FR tk & music (Godfrey).
 7280 ALBANIA R. Tirana; 2230-2255* Osech service program (Wood 9/5).
 7280 LIBERIA VOA; 0307-0649 English with news program, pop music, etc. (Bryan, Godfrey, Jordan).
 7300 ALBANIA R. Tirana; 0110 SP talk (Godfrey). 0130 EG News (Godfrey, Jordan). 0230 EG News and country (Grenier, Dawson). 0345 EG ID, news, country, etc. (Bryan).
 7310 USSR; Russian 5th Program 0042 Russian talk by man & woman (Jordan 8/23).
 7345 CZECHOSLOVAKIA R. Prague; 0127 EG country (Jordan). 0342 EG ID & Polka mx (Poppin).
 7390 USSR R. Moscow; 0003 Spanish ID, News on Panama Canal, etc. (Jordan 8/23).
 7390 USSR R. Kiev; 0305 English news & identification (Jordan 8/23).
 7470 VIETNAM Hanoi Home Service; 1345 Vietnamese & lang talk, nx. (Godfrey). Edelstein).
 7600 ECUADOR HD210A Time Station; 0040-0506* Time pipe, SP TC & ID's (Orloff, Godfrey, Hebbes).
 9022 IRAN VOI; 2320 Farsi with Sport Game (Leffler 9/5).
 9030 CHINA R. Peking; *2030 English program to Europe (Wood 9/11).
 9360v SPAIN RTVE; 2323-0207 SP w/Special on Elvis Presley (Leffler, Sandburn, W. Smith).
 9380 CHINA R. Peking; *2030 Italian Identification & country (Wood 9/3).
 9420 KOREA (NORTH) R. Pyongyang; 1300 SP to L. America; 1400 Korean pgm (Wood 9/5).
 9430 ALBANIA R. Tirana; 2327 Spanish program (Leffler 9/5).
 9435 ISRAEL IBA; 2208 French talking; 2230 English news, etc. (Orloff, McCants).
 9450 USSR R. Moscow; 2330 Quechua with Indian Flute mx of the Andes (Leffler 9/5).
 9460 PAKISTAN R. Pakistan; 1915 Urdu talks and an Identification (Wood 9/5).
 9470 CHINA R. Peking; 2218 Talk in unid. lang, mx (Orloff). -I have lang. listed as Quechua-
 9470 USSR R. Moscow; 2333 Spanish Actualidades Teoreticas (Leffler 9/5).
 9475 EGYPT R. Cairo; 2240-2355 Arabic news, ID, tk (Orloff, Leffler). *0200+ English ID, news, variety of music, etc. (Sullivan, Butler, Hascall).
 9480 ALBANIA R. Tirana; 1650-1700* EG country (Lineback) 2246 FR talk & speech (Orloff).
 9480 USSR MAYAK; 2337 Russian talk (Leffler 9/5).
 9490 USSR R. Moscow; 2340 Russian w/music (Leffler). -I have SP listed here! (editor).
 9500 LIBYA PRB; 2252-0058* Arabic tk, mx, ID, etc. (Orloff, Bogel, Sapoznikow).
 9505 DOMINICAN REPUBLIC RTV Dominicana; 0440 SP w/cha-cha mx (Sarrazin). 1200 SP pgm (Wood).
 9505 JAPAN R. Japan; 1100 EG nx, ID, country (Golkin, DeLong). 1500 EG ID, news (Thompson).
 9510 TAIWAN VOFC; 1130-1230 Japanese program (Wood 9/2).
 9515 TURKEY VOT; 1924 Turkish mx (Leffler). 2235-0025 EG ID, nx (Edelstein, Miller).
 9517.5 MEXICO La Voz de la Amer. Latina; (tentative) 0245-0458* SP w/much tk, mx, vocals. No clear ID. No // located. Poor signal (Cress 8/27).
 9520 PAPUA NEW GUINEA NRC; 0730-0819* EG ID, Rock music, ads, etc. (Berezowski 8/1).
 9525 INDIA AIR; 2103-2120 English news, country, ID, etc. (Self 7/21).
 9525 POLAND Polish Radio; 0000 Polish; 0200-0400 Polish & English to N. America; 0300 English//6095,6135,7270,11815 (Wood 9/7).
 9530 BULGARIA R. Sofia; *2127 IS, English news (Valko 8/31).
 9530 SPAIN RTVE; 0130 Spanish news with R. Moscow QRM. (Jordan 7/30).
 9530 USSR R. Moscow; 0130+ EG ID, Read a letter from Greg Ravenhorst (Jordan, Berezowski, Dubin).
 9535 CANADA RCI; 0200 English News, country, talk on Aviation show (Leffler, Dubin).
 9540 AUSTRALIA R. Australia (Shepparton); 1505 English ID and News (Holmes 8/13).
 9540 CZECHOSLOVAKIA R. Prague; 0120 EG tk, mx (Berezowski). *0300 IS, EG ID (Dubin).
 9550 CUBA RHC; 1220 Spanish country attacking US Imperialism (Sarrazin 8/14).
 9560 ECUADOR HCJB; 0130-0245 EG w/Passport, IX Party Line, etc. (Dubin, Leffler, Sillings).
 9560 JORDAN HBBS; 1222 Arabic talk and Mid East music (Sarrazin 8/14).
 9567v CHILE Voice of Chile; 0114 IS, English ID and news (Gionet 8/28).
 9570 ROMANIA R. Bucharest; 0045 SP ID (Edelstein). 0205 EG DK pgm, etc. (Taylor, Valko).
 9575 ITALY RAI; *0100 EG ID, news, mx. (Sullivan, Smith, Miller, Thompson, Edelstein).
 9580 AUSTRALIA R. Australia (Melbourne); 1145-1228 EG w/country, nx, mx (Woltean, Sarrazin).
 9585 HUNGARY R. Budapest; 0200 EG nx, country (Sullivan, Miller, Leffler) 0300 EG ID (Dubin).
 9585 JAPAN R. Japan; 1229 Japanese nx (Sarrazin). 1255 EG ID (Sandburn). 1400 EG nx (Meehan).
 9585 SOMALIA R. Mogadishu; 1933-2100* Somali talk, Arabic mx, ID (Leffler, Taylor).
 9585 SOUTH AFRICA RSA; 1955 IS, French ID, tk (Self). 2050 EG ID (Dubin). 2300 English news, music, commentary, mailbag, etc. (Woltean, Bryan).
 9590 HOLLAND R. Nederland; 0320 IS, Spanish ID into Spanish program (Dubin 8/23).
 9590 SWEDEN R. Sweden; 0030-0100 English with Sweden Calling IX-ers (Wood 9/7).
 9595 JAPAN NSB; 0810 Japanese talk, laughing - sounded like a variety show (Stezman 8/17). 1230 Japanese talk about Spain. (Sarrazin 8/14).
 9600 SPAIN RTVE; 1940 Arabic talk by male & female, nx (Leffler 9/5).
 9600 USSR R. Moscow; 2301 English news (Jordan 7/30).
 9605 SEYCHELLES FEBA; 0243-0301* English Identification, Indian mx, etc. (McMullen).
 9605 VATICAN STATE Vatican Radio; 0100 English talks and Interviews (Taylor, Miller).
 9610 AUSTRALIA ABC (Perth); 1128-1414 EG ID, nx, etc. (DeLong, Sarrazin, Holmes, Valko, Hascall).
 9610 USSR R. Moscow; 0715 English with Moscow Review, ID, w/off at 0730* (Jordan 8/22).
 9610 USSR R. Vilnius; 2326 English talk w/Lithuanian music (Jordan 7/30).

- 9615 USA KGEI; 1245-1350 Spanish ID and Religious tlk (Valko, Sarrasin).
- 9620v YUGOSLAVIA R. Belgrade; *2200 English ID's & News (Valko 8/22, Sullivan 8/8).
- 9625 CANADA CBC Northern Service; 0125-0200 EG tlk & rock mx (Jordan, D. Johnson). 1448 EG tlk about Napoleon, etc. (Dubin). 1941 French talk about Labor Day (Leffler).
- 9625 SWITZERLAND SBC; 0030 FR into Italian. Wiping out CBC NS! (Hauser 8/30).
- 9630 HOLLAND R. Nederland; 0640 English ID, news, cmtry on Space Shuttle (Dubin).
- 9630 SPAIN RTVE; 0120-0300 Spanish ID, music, TC, news (Jordan, Dubin, Holmes).
- 9635 SINGAPORE R. Singapore; 1118 ID, IS news in EG & Chinese(?). Weak. (Blossom 8/19).
- 9640 KOREA (SOUTH) R. Korea; 1600 IS, EG, ID, nx, etc. (Thompson, Luce, Grenier).
- 9645t BRAZIL R. Bandeirantes; 0200 Sports program w/no ID heard (Field 8/11).
- 9645 COSTA RICA TIFC; 0311-0407* English religious pgms, ID, etc. (Osterman 8/18).
- 9645 VATICAN CITY Vatican Radio; 2030 English pgm about aging. (Dubin 8/22).
- 9650 AUSTRIA ORF; 0200 German news program (Wood 9/7).
- 9650nf GREECE VOG; *2100 Greek ID, news; 2115 English pgm; 2125 Greek pgm//6140 (Wallin).
- 9655 CUBA RHC; 0502 Spanish news program by man & woman (Sarrasin 8/14).
- 9660 VENEZUELA R. Rumbos; 0415-0512 SP News, ID, L. American mx (Hascall, Jordan, Sarrasin).
- 9665 GERMANY (EAST) RBI; 2006 EG tlk, nx, ID, "Spotlight on South Africa" (Edelstein).
- 9665 USSR R. Moscow; 0045 EG w/"Round-About the Soviet Union", ID (Edelstein 7/14).
- 9670 AUSTRALIA R. Australia; 1130-1256 EG nx, Keith Glover's Mailbag//9540 (Wood, McMullen).
- 9675t BRAZIL R. Dario da Manhã; 0200 Sports Broadcast. No ID heard (Field 8/11).
- 9680 AUSTRALIA WJLH9 (Melbourne); 1158-1335 ID, talk about the 30's (Self, Sarrasin).
- 9685t ALGERIA RTVA; 1750 Arabic w/Mid Eastern mx, chanting, pipe. No ID heard (Meehan 8/9).
- 9685 BULGARIA R. Sofia; 0219 EG nx of Bulgarian achievements. Not listed in WRTVE! (Leffler).
- 9685 CUBA RHC; 0134-0340 EG talk about Zimbabwe, Cuban music. (Jordan, Dubin, D. Johnson, Swanson).
- 9690 ANTIGUA DW; 0030 IS, German ID, talk, vocal, Guitar mx (Thompson 8/24).
- 9690 ARGENTINA RAE; 0214 SP tlk & mx (Leffler). 0306 EG ID & mx (Godfrey, Holmes).
- 9690 ROMANIA R. Bucharest; 0201 English Sunday Studio w/mx from Elvis Presley (Sillings).
- 9695 ECUADOR HCJB; 0255 EG strong distorted FM-sounding spur, while in contrast, nominal 9560 was barely audible (Hauser 7/31).
- 9695 SWEDEN R. Sweden; 0244 EG ID, mx (Holmes). 2300 English to N. America (Wood).
- 9700 BULGARIA R. Sofia; 1948 EG (Leffler). 0000-0100 EG ID, news, Letterbox, etc. (DeLong, Miller, Woltman, Jordan, Self).
- 9700 BULGARIA R. Moscow; 0305 English news, cmtry & ID's (Bogel, Dubin).
- 9705 JAPAN R. Japan; 1345 Chinese talk on Bombay (Sarrasin 8/14).
- 9705 MEXICO R. Mexico; 0215-0300* Spanish music, ID, National Anthem (Dubin, Godfrey).
- 9710t INDONESIA RRI (Jakarta); 1350 orchestra mx w/heavy QRM! Very tentative! (Sarrasin).
- 9710 ITALY RAI; 0249 Italian music, talking and ID (Dubin 8/21).
- 9710 USSR R. Moscow; 0707 English w/Moscow Review (Jordan 8/22).
- 9715 ECUADOR HCJB; 1302 Japanese service with ID (Holmes 8/11).
- 9715 FRANCE RFI; *2100 IS, French ID by man & woman (Valko 8/28).
- 9715 HOLLAND R. Nederland; 2130+ EG ID, News & story on Elvis (Wood, Dubin).
- 9715 USA WYPR; 0235-0318 Spanish ID and religious programs (Sarrasin, Dubin).
- 9720 USSR R. Minsk; 1800 Belorussian ID, nx, Organ IS (Edelstein).
- 9720 USSR R. Moscow; 1750 GM(?) tlk, ID (Edelstein). 1915 EG tlk about housing (Taylor).
- 9720 USSR R. Kiev; 0320 EG ID, cmtry//7205, 7390, 9610, 11790, 15425 (Holmes, Swanson).
- 9720 USSR R. Vilnius; 2300 EG w/IS, ID, asked, weekly roundup (Taylor, Smith).
- 9725 SWITZERLAND SBC; 0430 EG ID, nx, etc. (Beresowski, Sarrasin, Holmes). 0535 IT pgm (Dubin).
- 9730 BELGIUM RTT; 0015-0030 EG Brussels Calling (Sullivan, Dawson, Fraser, DeLong, Chelsey).
- 9730 GERMANY (EAST) RBI; 0100-0130 EG news & cmtry (Miller 8/16, Sullivan 8/11).
- 9730 UGANDA UBC; 2030 English news, mx; Somewhere Over the Rainbow, etc. (Osterman 8/21).
- 9735 GERMANY (WEST) DW; 0130 German ID (Jordan). 0225 German ID & mx (Dubin).
- 9745 BULGARIA R. Sofia; 2130 English ID, news (Dubin 8/17).
- 9745 CAMEROON R. Yaounde; 2100 French ID "Ici Yaounde" & African mx. Good! (Mayer 8/27).
- 9745 ECUADOR HCJB; Those perfering to listen to the 1200 airing of IX Party Line on 9715/11835 (I believe the latter is replaced by 6075 for Sept/Oct, altho the HCJB asked shows the time as 1030-1130 on that freq), but like me frustrated by the 1225 sharp transmitter cutoff, should quickly retune to 9745, which is not asked to open (to AU/NZ) until 1230; but on 8/29 I was surprised to find the conclusion of the IX Party Line there, tho at much weaker level in North America. (Hauser).
- 9745 IRAQ R. Baghdad; *1931 EG ID, tlk on Mid East (Onken, Lineback, Leffler).
- 9750 CHILE R. Mineria; 1420 Spanish talk. Poor signal due to UTE QRM! (Sarrasin 8/14).
- 9760 USSR R. Moscow; 2200 English news, mx & tlk on Euro. Model Championship (Bishop).
- 9765 GERMANY (WEST) DW; 2135 English with music & letters (Dubin 8/27).
- 9765v SEYCHELLES FEBA; 1740-1800 IS, Arabic ID, Religious pgms. (Lineback, Edelstein).
- 9770 AUSTRIA ORF; 0100 FR pgm (Edelstein). 0130 EG nx (Sullivan). 0200 German ID & news. (Bryan). 0339 English "Trip to the Alps" (Miller).
- 9770 HAITI 4VER; 1100-1400* English ID, Unshackled, Bible Study (Sandburn, Edelstein, Snyder).
- 9770 CYPRUS Cyprus Co. Corp.; 2211-2230* IS, Greek ID, news, anthem, off. (Mayer).
- 9780 ALBANIA R. Tirana; *0100-0157* EG nx (Fraser). 0305 EG w/Usual stuff (Bogel).
- 9790 ALBANIA R. Tirana; 0207 Albanian news program (Leffler 8/16).
- 9790 PAKISTAN R. Pakistan; 2115 EG news, cmtry, mx, etc. Fair. (Taylor 8/14).

- 9800 EGYPT R. Cairo; 2230 EG w/Music Around the World (Lineback) -I have 9805 list as freq-
 9810 USSR R. Moscow; 0206 Spanish news and commentary (Leffler 8/16).
 9815 ISRAEL IBA; 2006 English nx (Leffler). *2230 EG news & cmntry (Fraser).
 9825 ECUADOR HCJB; spur 0255 EG 7/31. Same as detailed on 9695 (Hauser).
 9850 EGYPT R. Cairo; 2008 Arabic talk and singing by a male (Leffler 9/5).
 9850 USSR R. Peace & Progress; IS at *0130, ID in Guarani, talk. (Valko 8/29).
 9880 CHINA R. Peking; 1930 French talk about China-Yugo. friendship (Wood 9/5).
 9912 INDIA AIR; 2200 English world and local news (Lineback 8/17).
 9917 ENGLAND BBC; 0210 English news about Rhodesia, Vance, etc. (Dubin 8/21).
 9977 KOREA (NORTH) R. Pyongyang; 1141 English ID & Korean Folk music (Pineault). 1205
 English Propaganda (Holmes). 1518 English talk on PLO (Grenier)
 10040 VIETNAM VOV; *1000 EG ID, cmntry (Onken). 1833 EG w/Revolution mx (Tiers).
 10732 HOLLAND Radio Nederland; Get'em while you can. Radio Nederland HF Feeder via
 kootwijk PPT are to be replaced by SHF satellites in November. Found RN Spanish
 news feed ending 0140 8/23 into electronic version of IS never heard on broadcasts.
 This was on RC SSB (Hauser).
 11345v KOREA (NORTH) KCBS; 2215 Korean program (Wood 9/8).
 11445 CHINA R. Peking; 2330 Mandarin talk, Yugo mx in honor of Tito's visit (Wood 9/6).
 11515 CHINA R. Peking; 1700 Arabic talk on Tito's visit (Wood 9/5).
 11620 INDIA AIR; 1915 English talks about economics (Wood 9/5).
 11640 PAKISTAN R. Pakistan; 2105 English/Lang with mx dedications (Gionet 8/16).
 11650 CHINA R. Peking; 1635 English talk on Party Congress (Grenier 8/21).
 11655 ISRAEL IBA; 2000 EG Calling All Listeners (Valko, Sillings, Bryan). 2055 French
 news, ID (Bryan). 2250 EG ID, nx//9815, 15512, 9425, 15485, 9435 (Holmes).
 11680 PAKISTAN R. Pakistan; 2000 Urdu nx. Booming signal (Wood 9/2).
 11690 USSR R. Moscow; 0643 English with Moscow mailbag (Jordan 8/22).
 11700 DOMINICAN REPUBLIC R. Clarin; 0028 Spanish w/LA mx, long ID, mx (Jordan 8/1).
 11700 LIBYA PRB; 1635 Arabic. Qaddafi seems to have a thing for even-hundreds, for his
 new high-power xmtrs showed up here, and on 6100, 9500 & 1500, all heard at many
 times, with 9500 best in evenings to NAM. First logged here on 8/2 at 1635 with
 Arabic raving, bits of music; thanks to Jaar for this tip. Coincidentally Radio
 Clarin soon redisappeared from this freq, still gone as of 8/29; checked almost
 every day. (Hauser). 1750 Arabic chants, Koran, bells, ID, etc. (Snyder). 2000
 Arabic talk & chants (Leffler, Noonan).

AK Afrikaans	FR French	PL Polish
AB Albanian	GM German	PT Portugese
AR Arabic	GK Greek	RM Romanian
AM Armenian	HB Hebrew	RS Russian
BG Bulgarian	HD Hindi	SC Serbo-Croatian
CH Chinese	HG Hungarian	SP Spanish
CZ Czech	IN Indonesian	SH Swahili
DN Danish	IT Italian	SW Swedish
DT Dutch	JP Japanese	TE Tahitian
EG English	KR Korean	TK Turkish
FS Farsi	LH Lithuanian	UK Ukrainian
FN Finnish	NW Norwegian	VT Vietnamese

Above is a listing of the NWRG Language abbreviations which were used in this months
 FRENDX. Since most comments received have been favor of the old NASWA abbreviations (FF,
 EE, PP, etc), this will most probably be the last month where the present NWRG language
 abbreviations will be used. More information will be printed next month. All comments
 should be sent to NASWA's Headquarters.

We all had a great time at the MDXC DX expedition in Northfield. Though the weather
 was cold, the bands were hot; especially on 120 & 90 meters!

Thank you to all of the reporters to this months Log Report C1 Until next month:

log report *section*

D

David L. Walcutt, Ed.

11701 & above

OCTOBER, 1977

Many thanks to all of you who sent reports for my special deadline last month! This is the final month of the trial period with the new language abbreviations. It appears certain that the Executive Council will vote to go back to the traditional duplicate-letter method. However, I urge you to write the five Council members and express your preference. By the way, there are 58 reporters to "D" Section this month; and of these, 44 used the new abbreviations, 8 stayed with the old ones, and 6 either spelled out the languages' names and/or used some combination of the two systems! HI!

- 11705 FRANCE RFI; 2125-2132* FR, news wrap-up & freq. anmts (Bogel 8/27).
11705 JAPAN NHK; 1129-1130* EG, ID, NA, fair w/R. Australia QRM (McLaughlin 8/20); 2345-0045 EG to N.Am., //15270, hopeless choice, drowned by Sweden also to N.Am. (Zilmer 9/5, R.Wood-NH 9/4).
11705 NEW ZEALAND RNZ; 0330-0510 EG, varieties (9 reporters).
11705 SWEDEN RS; 0300 SP, TC, ID, tlk (Bryan 8/10). Now moved to 6175...
11705 USSR RM; *1130-1137 EG, nx, IS, R. Australia QRM (McLaughlin 8/20); 1300-1310, "RSP&P" nx, ID (Cucura 9/4).
11705 VATICAN VR; 2215-2225 EG, seems unusual to hear this over Sweden etc. since this pgm is meant for Asia per schedule (Earhart 8/26).
11715NF ECUADOR HCJB; 0059 PT to Brazil, freq. announced (Hauser 9/14).
11715 ITALY-VATICAN VR; *1144+, IS, VOA QRM, rel mx (McLaughlin 8/20).
11715 SWITZERLAND SBC; 0205-0215 EG, "Dateline" (Hascall 8/10); 0215-0224 SP, nx, QRM, poor (Cucura 9/9); 0300 GM, address (Bryan 8/22).
11720 USSR RM; 0505 EG, attacking US military aid to S.Africa, //11690 (Sarrazin 8/15); 0648 EG, "Moscow Mailbag" (Jordan-TN 8/22).
11725 ROMANIA R. Bucharest; *2300-0000 RM to Americas, WYFR QRM (Wood 9/5).
11730 GREECE VOG; *1500-1550 GK, EG to N.Am., lovely signal, fine mx, // QRM'ed 17830; 15345 inaudible (Wood 9/11); 0015-0030 EG into FR at 0030 (Sullivan 8/10, Thompson 8/30, Cucura 9/6, Miller 8/21); 0057 GK, singing by W, bazouki mx, clear for a change (Leffler 8/16).
11730 UZBEK SSR R. Tashkent; 1215-1222 EG, talk by W, short mx, fair (Earhart 9/5); 1300 HD, ID, QRM (Wood 9/4).
11735 FINLAND RF; *2300-0000* FN, EG to N.Am., here for a few days on advice of ANARC FRC to escape BBC/Havana splash on 11755 (Wood 9/3); 2330 EG, IS, ID, "Letterbox", f (Taylor 8/21); 2330 EG (Dawson 8/21).
11740 CYPRUS BEC-Limassol; 0349 AR, chanting in AR (Bryan 8/23). No reason to doubt that this is Cyprus, but I wish the BBC would send out "official" site info to update the WRTVH's listing -ed.
11745 ECUADOR HCJB; 1530 EG, rel pgm (Kenyon-PA 8/17).
11745 FRANCE RFI; 1046 FR, conversation (Bryan 8/14).
11745 TAIWAN VOFC; *0900 IS, NA (Luce nd). This is almost certainly your unid., based on the DX Jukebox tape -- Taiwan's NA! -ed.
11750 MALAYSIA BBC W.S.; 1310 EG with usual, good on WCNA (Bogel 8/15+).
11750 MONACO TWR; *1300-1330 RS, on w/NA, IS, Sat., Sun. only (Wood 9/11).
11750 UK BBC W.S.; 1950-2000, musical instrument tlk (Cucura 9/6).
11755 FINLAND RF; *2300-2330 FN, 2330-0000 EG, to N.Am., ex-11735 from 9/6, splash from BBC, Havana (Wood 9/6, Zilmer 9/6).
11755 SEYCHELLES FEBA; *0305-0340* FS?, rel (Bryan, Gionet, Sandborn).
11765 BULGARIA R. Sofia; *2300-2330 BG to Americas, RHC splash (Wood 9/10).
11770 NIGERIA VON; 1815 EG, (ID), local mx, poor (Zilmer 8/21).
11775NF ANTIGUA/MONTS. BBC W.S.; *1255-1300 to North, Central America, Caribbean (Hauser 5/9, R.Wood 9/11).
11780 ARGENTINA R. Belgrano; 0000-0200 SP, futbol match between Arg. & Brazil (Wood 9/7). Seems this channel used for special events -ed.
11780RF BRAZIL R. Nac. de Brasilia; 2200 PT, nx, tlk, mx, jazz (Zilmer 8/26 26); 2115 PT, RNB's new incarnation as a domestic service, anmt that as from 9/1 at 1900 new Amazonia svc. would begin; 2200-2300 carried "A Voz do Brasil" pgm (Hauser 8/26); 0100 musical pgm, ID as "R. Nac. Brasilia Emissoras" (Field 9/2); 0215-0300 PT, local mx,

- pre-recorded anmts, this looks like the same 250 kw. xmtr which was pulled off from their now defunct international svc. (Sapoznikow 8/27); *2000-0201+ PT, continuous samba mx, ID at 2130 as R. Nac. Brasilia for Amazonia (Mayer 8/27); 2200-2315 PT, finally back on air but now here, whereas last bc was on 15245; at 2330-0000 with "Alfabeto musical" for "o grã interior" (Wood 9/5, 9/8).
- *11780NF GUAM KTWR; 0931-1100 JP/EG, Japanese until 1000, nice signal until about 1030 but fading fast by 1100 (McMullen 9/4).
- 11780 ISRAEL IR; *2100-2200* RS, good strength but jammed (Wood 9/4).
- 11780 UK BBC W.S.; 2200-2245 nx, cmntry, now back here after long silence, for N.Am., over RNB (Wood 9/10). Here, it's buried... -ed.
- 11785 BRAZIL R. Guaiba; 0240-0245 PT, M ancr, ID into nx (Krueger 8/25).
- 11789.7 INDONESIA VOI; 1357-1418 FR, EG, nx, US pops, fair (Self-MN 8/21).
- 11790 USSR RM; 1516 RS, mx w/singing (Leffler 9/5).
- 11795 MALTA DW-Cyclops; 0200 GM, ID as relay in N.Am. Svc., nx, fair (McMullen 9/4). New sched: 0200-0350 Malta, 0400-1400 Germany W., 1400-1800 Malta, 1800-0200 Germany W.; Antigua moved! -ed.
- 11800 ECUADOR HCJB; 0545 unid. lang., address, mx (Noonan 9/1).
- 11800 ITALY RAI; 1950-1955 EG, mx, W ancr (Valko 8/28); 2000-2020 Esperanto, tlk on new autostrada; Sunday only, //7275, 9710 (Wood 9/11).
- 11800 SRI LANKA SLBC; 0100-0300 HD, mixed w/TWR; not 11835 (Wood 9/5).
- 11800 SWEDEN RS; *2300 EG, nx, p, //11705, 9695, 6120 (Zilmer 8/25).
- *11800NF TURKEY VOT; 1600-1615 SC, nx, cmntry, loud over SLBC, replaces 11880 (R. Wood-NH 9/11). Out of the frying pan, into the mire -ed.
- 11800 VATICAN VR; *0100-0115 EG (Gionet 8/31, Bryan 8/15, W. Smith 8/31).
- 11805 BRAZIL R. Globo; 2030-2035 PT, echo anmts, mx, hrd when Australia off for 5 mins! (Wallin-AUST 8/15); 0150 PT, pops (Gionet 8/31).
- 11805 USSR RM; 1605-1630* EG, nx, "The World Today", //11860 (Gionet 8/23).
- 11810 INDIA AIR G.O.S.; 1350-1451 EG/unid. lang., modern Indian mx to 1400 ID, weak; but wiped out by DW-Antigua before 1400 on next day (McMullen 9/4). DW-Antigua now 1230-1400 here (maybe 1350*) -ed.
- 11810 ITALY RAI; 0100 EG, ann. frequency change for September to 6010 & 9725, dropping 11810 (W. Smith-MA 8/31).
- 11810 SPAIN RNE/RTVE; 1830 AR/SP (Edelstein 8/27); 2022 AA (Leffler 9/5).
- 11815 JAPAN NHK; 1429 EG, Gen. Svc., dx nx, poor in ECNA (McMullen 9/4).
- 11815 POLAND Polish R.; 0148 PL, 0200+ EG, mx, tlk (Blossom 8/27); 0200-0205 EG, v. poor & clobbered by QRM from RAI; //7270 (Smith 8/25).
- 11820 PHILIPPINES FEBC; 0920-0930 EG, M&W sing & preach, g (McMullen 9/4).
- 11830 CHINA V. of the Malayan Rev.; 1515-1530* EG, W in EG tlk, Chinese mx, student songs, ID, poor (Osterman 8/14).
- 11830 USSR RM; 1920 EG to Eur., usual tlk about USSR (Self-MN 8/28).
- 11830 VATICAN VR-extraterritorial enclave of Santa Maria di Galeria; 1700-1715 EG to Africa (Wood 9/5).
- 11835 ECUADOR HCJB; 0600 EG, ID into GM, //9620 (Noonan 9/1).
- 11835 GERMANY W. RFE; 2025 HG, tlks, nx (Leffler 9/5).
- 11835 HAWAII "RS 4VH"; 1105-1125 EG, interview "They Came to Britain", something knocked out xmtr at 1120 (Praser 8/17); 1345 EG, rel mx and program "Family Altar of the Air" (Miller 8/17).
- 11835 URUGUAY R. El Espectador; 1025-1036 SP, nx, ads, TC (Krueger 8/19).
- 11840 USSR RSP&P; 1232-1250 EG, nx w/cmtry, mx, ID (Cucura 9/4).
- 11845 FRANCE RFI; 1604-1656 EG, "PCA", //15155, 15200, 15300 (Wood 9/11).
- 11855 CANADA RCI; 1930 EG, the 250 kw xmtr here was supposed to move to 17750 giving the Afr. Svc. something besides the old 50's, but on both days still here, at 1900 in FR, 1930 EG (Hauser 9/4, 9/5).
- 11855 LIBERIA ELWA; 2025-2055* EG, "Back to the Bible" (better than back to the wall! -ed.), nx at 2045, reports requested (Gionet 8/24).
- 11855 SAUDI ARABIA BSKSA; 2056-2125 EG, 2100 TC "The time is 12:00 midnight" followed by classical mx (Gionet 8/24).
- 11860 KOREA S. RK; 1130 EG, nx, local nx, mx, //9665 (Zilmer 8/21); 1140-1200* EG, "Economic Growth" cmntry, ltx by M&W (Cucura 9/5).
- 11880 AUSTRALIA RA-Shepparton; 1200 EG, nx, //11705, 9670 (Zilmer 8/15).
- 11880 CANARY IS. RTVE; 0100-0345 EG, this is from Spain, not Canary Is., all relays from Canary Is. are in Spanish: 1730-1930 & 2045-2300 are Tenerife, Canary Is., and 0100-0400 are Arganda, Spain, per schedule (Pedor-CR). Jin, thank-you for correcting me! -ed.
- 11880 HUNGARY R. Budapest; 0205-0220 EG, nx, Poland cmnt (Birkhauser 9/1).
- 11880 SPAIN RNE; 0159 EG, "paso doble"-type mx (Leffler 8/16).
- *11904.0 TIAQ R. Bagdad; 0355 AR, both ME & western mx, 0400 son of Big Ben, then chwing 7 and ID in Arabic, is this beamed to N.Am. as IFRB has it? (Hauser 9/12); 1400-0400 AR (including 2200-0400 to

- N.Am.), powerhouse, over RAI or clear, many ID's, Ramadan chants (Wood 9/8-9); 1950-2015 EG, ID as "Broadcasting Service of the Iraqi Republic", and measured split-channel freq (DLW 9/20).
- 11915 ECUADOR HCJB; 0152 EG, "Passport" (Swanson 8/12); 0300-0330 EG, "Call of the Andes" (Sullivan 8/19); 0403 EG, nx (Sillings 8/20).
- 11925 BRAZIL R. Bandeirantes; 0243 PT, echo promos (McLaughlin 8/18).
- 11925 NETH. ANTILLES TWR-Bonair; 0034 EG, ID, nx, mx (Holmes 8/15).
- 11930 CUBA RHC; 0218-0241 EG, world & national nx (Birkhaeuser 9/1).
- 11935 BRAZIL R. Cl. Paranaense; 0155-0238 PT, sport (McLaughlin 8/18).
- 11935 UK RCI-Davertry; 1545-1559* EG to Eur., weekly review (Wood 9/11).
- 11937.7 CAMBODIA Phnom Penh R.; 1200-1302*, it's sure "here" in VA, heard almost daily (Cress 9/7); 1302* abrupt off during song, g (DLW 9/1).
- 11940 ROMANIA R. Bucharest; 1936-1949 EG, W&M tlk, QRM, poor (Cucura 9/6); 1950-2027 EG, nx, guitar mx, 2027* (Thompson 8/22).
- 11940.0 SINGAPORE RS; 1318-1331 EG, ID, W asked listeners to send answers to questions, and at 1406 a detective story (Poppin 8/18); 1436 EG, pop mx (Grenier 8/27); letter received from stn explains xmtr had drifted but has been corrected; and that on 8/16 a standby xmtr was in use, explaining why "on the correct carrier" that day -ed.
- 11945 CANADA RCI; 2130 EG to Africa, but mixes badly with RTVE-Spain after 2135, and RTVE has priority on this channel (Hauser-TN 9/4+).
- 11950 KAZAKH SSR R. Alma Ata; *0000-0030, new Soviet anthem in choral form, bilingual ID in Russian/Kazakh (Wood 9/5); 0030 RS, M&W ancrs w/discussion and classical Russian music (Bishop 8/17).
- 11955 MALAYSIA BFC W.S.-Tebrau; *1600-1630, new Bow Bells IS (replacing Oranges & Lemons) into pgm for S.As., Iran (Wood 9/11). The Bow bells are those of St. Mary-le-Bow church and are supposed to suggest downtown London, as in "within the sound of the Bow bells" -ed.
- 11960 ECUADOR HCJB; 0230-0240 SP, nx & ID, good (Dubin 8/25).
- 11960 USSR RM; 2034 EG, people & events talk (Leffler 9/5).
- 11965 PHILIPPINES VOA-Tinang; 2128 IR, ID as Philippines (Sandburn 8/20).
- 11980 GERMANY E. RBI; *1700-1745 GM to Near East (Wood 9/5).
- 11990 USSR-Vlad. (Asian RSPSR); 0059-0106 RS, "Mayak" IS, time pips and talk by M, strong but under Prague (Krueger 8/22).
- 12010 LIBERIA VOA-Monrovia; 2015 EG, nx (Leffler 9/5).
- 12015 CHINA RP; 0000-0055 Cantonese to N.Am., //15030 (Wood 9/7).
- 12050 PORTUGAL RP; 2220-2230 PT, 2 x 6025, guitar mx, ID (Wood 9/8).
- 12060 USSR RM; 2012 FR, nx (Leffler 9/5).
- 12070 USSR RM; 1919-2010 RS, cmntry, flute mx (Cucura 9/6, Leffler 9/5).
- 12085 KUWAIT RK; 1845-1900* EG, mixed mx, f (Cucura 9/6); 1845 EG, pop mx, nx, ID's (Sandburn 8/21); 1857-1900* EG, US pops (Self 8/28).
- 12095 UK BBC W.S.; 1900-1912, ID, "Outlook" (Cucura 9/6).
- *14529.8 CHILE R. Colo Colo (via? R. Nac. de Chile, Empresa Nac. de Telecom, or who?); 2000-0200 SP, first heard 9/7 and thereafter regularly; patriotic PSA's, ads, nx 0030-0040 relayed by some 40 stns (where N.Nac.de Chile ID appears -ed); excellent signals (Wood 9/7); 0240 IA mx, calls to Argentine listeners, good signal but gone at 0300 recheck (Hauser 8/23). This is ROSSB, lower, and is within the rxl range of the 20 m. ARO band, for all you Drake owners! This is definitely a "must hear" w/exc. signals 2200-0000 -ed.
- 15045 CHINA RP; 1300-1325 Malay, "Inilah RP dalam bahasa Malay", which refuses to recognize even the native Malayu or the political Malaysia but insists on using the EG ethnic term (R.Wood 9/8).
- *15084 IRAN VOI; 2000-2030 EG, talks on Shah, now here, //9022, both exc. (Wood 9/11); 2000-2030 EG, nx, mx, first time heard in EG here (Zilmer 8/28); 2000-2030 EG, still on (Hadley Cress 9/6 & 8/21); finally! VOI puts EG foreign service on the channel best for N.Am. in summer, as summer ends!; thanks to Hadley Cress for tip (Hauser 9/3); 2014 EG, home nx, first time I've heard EG from Iran, some distortion (McMullen 9/5); 2015 EG, W talking about Iran economy (Gionet 8/25); 2030-2115 FS, Persian mx, anmts (Thompson 8/22).
- 15100 LIBYA PRBS; 1325-1330, AR tlk & chanting (David Snyder 9/1).
- 15110 CZECHOSLOVAKIA R. Prague; *1430 EG, NF? (McMullen 9/1, Zilmer 8/28).
- 15120 POLAND PR; 1200-1300 EG to Africa, splash HCJB 15115 (Wood 9/8).
- 15120 SWEDEN RS; 1130-1200 SW to S. Asia (Wood 9/9).
- *15130NF CHILE "The Voice of Free Chile"; 0210-0225 EG w/cmtnry on Chile by W, ID, nx of Chile, good signal, new ID (Onken 9/9); 0235 SP, immediately following tip from Stubbe on DX Party Line, warbling het w/presumed NZ (Hauser 9/15); *0045 OC into FR pgm which is //15148.7 until the latter goes off at 0107*, but 15130 is 20 db. stronger (DLW 9/14+).

- 15130 USA WYFR; 2330+?, for at least a week I have been noticing warbling het and distortion (Hauser 9/15); 2347-0050* RS, GM, heavy QRM which sounds for all the world like jamming of WYFR!! (DLW 9/19).
- 15135 GERMANY W. DW; 1715-1745 EG to Afr., nx (Meehan 8/9, McMullen 8/16).
- 15145 USA WINB; 2329 EG into "Chapel at Home", the S77 sked same as J77 (Hauser 9/4); 0020 SP, ID, mx, excellent (Holmes-CO 8/21).
- 15150 SRI LANKA VOA-Colombo; 1754-1805 EG to Afr., extra-long drum solo, into VOA ID and African nx; Kathy Burson QSL'ed (Sarrazin 8/15).
- 15155 FRANCE RFI; 1600 EG, "Paris Calling Africa" (Kenyon 8/17).
- 15155 SOUTH AFRICA R. RSA; 1757 EG, IS/ID, extremely poor (Sarrazin 8/15).
- 15160 AUSTRALIA RA-Lyndhurst; 0315 EG, nx, cmnt, pop mx (Kenyon-PA 8/16).
- 15160.2 MEXICO XEWX; 0030-0330 SP, nx, ads (Zilmer 9/5, Wood 9/6).
- 15175 NORWAY RN; *1656-1700 NW, IS/ID by M (Valko 8/24).
- 15177 UNIT 1800-2100 AR?, Islamic mx, Cairo from 15175? (Cress-VA 8/29).
- 15180 USSR R. Kiev; 0035-0100 EG, ID into lxb pgm, fair (Dubin 8/30).
- 15185 SRI LANKA VOA-Colombo; *0100-0130 EG, morning show, news summary into Hindi program at 0130+ (Wood 9/6, Taylor 8/15).
- 15190† BRAZIL R. Inconfidencia; 0140-0202 PF, M DJ w/mention of "radio-bras", light instr., vocals, ID? at 0200, good (Krueger 8/22).
- 15190 CANADA RCI; 0044 SP, 0100+ FR, cmnt, nx (Leffler 8/16, Dubin 8/30).
- 15195 JAPAN NHK; 0255 EG, anthem, ID's in EG/JP (Luce 8/31).
- 15200 FRANCE RFI; *1600 EG, FR/EG ID's, mx (Luce 8/10); 1620 EG, "Paris Calling Afr." w/contest, nx, pop mx (Sandburn 8/18); 1627 EG, as of 9/25 expected to revert to 1700-1800 and some different freqs as France goes back on winter time (Hauser-TN 9/5).
- 15205 AUSTRALIA RA-Shepparton; 0520-0536 FR (Holmes 8/21). To Africa -ed.
- 15205 USA VOA-Dixon; 2155+ EG, Sebastian Cabot, Panama Can. (Jordan 8/23).
- 15210 USSR RM; 1100-1106 Asian lang., Asiatic USSR, poor (Hobbs 8/10).
- 15215 USA WYFR; 0000-0005 SP, ID & address, fair (Dubin 8/30); 0040 SP, rel pgm (Leffler 8/16); 0050-0102, slow EG rel (Cucura 9/9).
- 15240 AUSTRALIA RA; 0424 EG, soccer game, 10 kw, NZ beam, poor (Holmes 8/13); 0700 EG, ID, heard//11780, 9570, 9515 (Taylor 8/24).
- 15270 JAPAN NHK; 2345 EG, IS, ID, nx, poor but not often logged at my QTH (Bishop 8/23); *2345-0045* EG to N.Am., poor, mixed with Peking (Wood 9/6); 0040-0045* EG, ID, Asian news, good (Holmes-CO 8/21).
- 15273 URUGUAY SODRE; 2322-0000 SP, parade mx, 2335 nx (D.Snyder 8/8).
- 15290 ARGENTINA R. El Mundo; 0125-0135 SP, M, talk, ID at 0131, W, mx, p (McLaughlin 8/18); 0314-0330 SP, easy listening good mx, poor signal and local QRM (Cress 8/27).
- *15290 AUSTRALIA RA; *0300-0330* EG, mailbag & message pgm to Antarctica w/mx breaks; Fridays only, here on 8/26 and 9/2; not//15320 etc.; on 9/2 message to Davis Base; anor said pgm would be repeated at 0400 on 19 m. band (15240? -ed) and at 0915 on 31 m.; all checks of 15290 other than Fridays GMT are negative (Cress 8/26-29, 9/2); 0300-0330 EG, "Calling Antarctica", not a NF, they just never put it on their schedule! lots of friendly chatter to warm up those wintering over; said was for Mawson, Davis, and one other, plus Macquarie Island; last year 0400 repeat was on 15240 (Hauser 9/2).
- 15290 PHILIPPINES VOA-Tinang; *2200-2215 EG, ID, nx, off air 2210-2212 (Holmes 8/18); 2245-2300 EG, flutter, hum on signal (Cress 8/27).
- 15300 CHINA R. Peking; 0300 RS, IS, armt, anthem (Luce 8/31). The BBC Monitoring Service lists this as a "reversed tape" RS bc -ed.
- 15300 CUBA RHC; 1400-1415 SP, ID, mx, QRM to Sweden on 15305 (Holmes 8/20); 2154-2203 unid lang., ID (Dubin 8/29). BBCMS gives Guarani -ed.
- 15305NF CHINA RP; *0100-0155* SP to L.Am., mixed with SBC (Wood 9/6).
- 15305 SWEDEN RS; *1400-1428 EG, stamp corner, nx, "Panorama" (Leffler 9/5).
- 15305 SWITZERLAND SBC; 1812-1818 into IT, tlk & mx, QRM from RFI-15300 (Earhart 8/8); 2106-2118 EG, airline Safety Fair pgm (Cucura 9/8).
- 15315 FRANCE RFI; 1357+ FR, French "Blue Grass" mx (Leffler 9/5).
- 15325 UGANDA UBC; *1800-1830 EG, drum IS, ID, W anor, pop mx, local mx & song, mix w/RCI, into FR at 1830 (Osterman 8/21); 1820-1830 EG, African mx, poor signal (Birkhaeuser 9/1).
- 15328v COLOMBIA R. Nac. Colombia; 0055 SP, EZ listening mx (Taylor 8/18).
- 15333.9 COLOMBIA R.N.C.; 2330 TC, now here w/AM instead of RCSSB! (DLW 9/19).
- 15335 AUSTRIA ORF; 1838-1855 EG, discussing a basilica built by the Romans on Austrian soil (St. Lawrence?), & Innsbruck (Earhart 8/8).
- 15345 ARGENTINA LRA; 2030-2100 SP, full ID into novela (Wood 9/11).
- 15360 MOROCCO RTVM; 1120 AR, M chanting & mx (C.Hoffman 8/21); 1420 AR, usual Arabic mx and chants (Taylor 8/7).
- 15365 ROMANIA R. Bucharest; 1733 EG, Vance's visit to ME nx (Meehan 8/9).

- *15365NF AFGHANISTAN RA; 1145 EG, Kabul finally audible during 1130-1200 EG pgm, unlike the former 15195 & 15230, high-pitched W talked about foreign relations, then a mixture of lcl, Western, mx (Hauser 9/5).
- 15435 AUSTRIA ORF; 2236 SP, lbx, great signal (Hauser 9/4).
- 15435 CHINA RP; 0100 EG to N.Am., //17679, 15060 (Hauser 8/23); 0200 EG, nx, commentary, fair, //15060 (Zilmer 8/16).
- 15435 MALAYSIA BBC W.S.; 0015-0030 "Radio Newareel", booming (Wood 9/9).
- 15505 USSR-Tashkent (Uzbek SSR)? or Serpukhov (European RSPSR)? RM; 1520-1530 EG, cmntry, nx, ID, beamed to Africa, fair (Cucura 9/4); 1645-1658* EG to Africa, tlk on Zambia (Kenyon 8/17); "yesterday the QSL came, listing 1700 African xmsn on 15505 as Tashkent" (Dave Sarrazin 9/17); UHN #7 suggests Serpuhov based on IFRB/QSL's -ed.
- 17715 UK BBC; 1440 AR, mx, strong signal, f/o 1500 (McMullen 8/11).
- 17720 FRANCE RFI; 1318 FR, mx, talks (Leffler 9/5).
- 17725 JAPAN NHK; 0100 JP, ID's & news (Luce 8/31).
- 17735 SWEDEN RS; 1430 EG, stamp pgm, p, into SW on $\frac{1}{2}$ -Hour (McMullen 9/5).
- 17745 EGYPT R. Cairo; 1326 AR, soap opera w/M&W (Leffler 9/5).
- 17750 CUBA RHC; 2109-2120 EG, "Voices of Revolution", fair (Cucura 9/6).
- 17755 ECUADOR HCJB; 1650-1658 EG, interview w/person in charge of audio productions, then hymn (Earhart 8/8); 1702-1730 EG, DX Party Line (Kenyon-PA 8/17); 1935-1942 EG, "Passport" (Golkin 8/23).
- 17765NF ASCENSION IS.? BBC W.S.; 1505 African Alternative pgm (Hauser 9/3).
- 17765 USA AFRTS via VOA-Dixon; 0014 EG, nx (Leffler 8/16).
- 17770 SWEDEN RS; 1330 SW, ID, nx, heavy QRM, to L.Am. (Leffler 9/5).
- 17775 NORWAY RN; *1500 NW, IS, ID, to S.Am., excellent (McMullen 9/5).
- 17780 FRANCE RFI; 1332 FR, "chanson d'amour" song (Leffler 9/5).
- 17795 AUSTRALIA RA; 0155 EG, M, ID's, rock mx (Bryan 8/10); 0158 EG, ID at 0159 then nx bulletin, fair (Pineault 8/15).
- 17795 ISRAEL Israel R.; 1200 EG, nx, poor, //17815 (Zilmer 9/5).
- 17795 NORWAY RN; 1335 NW, sport report (Leffler 9/5).
- 17800 NORWAY RN; 1615-1630 EG, "Norway This Week" Sunday (Sullivan 8/).
- 17800 GERMANY W. DW; 1336 GM, nx, cmntry (Leffler 9/5). 100 kw to N.Am.
- 17815 BRAZIL R. Cultura de São Paulo; 2306 PT, Brasilia mx (Pineault 8/10); 2350 PT, classical mx by Bach, ID at 0005 (Taylor 8/21).
- 17815 ISRAEL IR; 1220-1230 EG, talking about PLO & immigration rising, mostly from S.Am., 1230 into FR (Earhart 9/5); 1857-1900 Hebrew, listing of times & freqs, then s/off w/IS (Golkin-NY 8/24).
- 17825 BULGARIA R. Sofia; *1830-1900 EG to Africa (Wood 9/5).
- 17825 JAPAN NHK; 0100 JP to Americas, ID, nx (Luce 8/31); 0130-0230 EG to Americas, nx, Japanese press comments, features, sports report, "Asian News" (Holmes 8/21, Cucura 9/3, Bryan 8/10, Thompson 8/20).
- 17825 NETH. ANTILLES RN-Bonaire; 1645 DT to B.Am., nx (Holmes 8/23).
- 17830 GREECE VOG; 1515-1530 EG, nx, very poor (Chesley 8/12); 1714-1725 GK?, trace of QRM from jamming of RFE on 17835 (Earhart 8/8).
- 17830 PAKISTAN RP; *0230-0245* EG, nx in slow EG, fair (Onken 8/26).
- 17840 ASCENSION IS. BBC W.S.; 1500 EG, still up for "R. Newsreel" to N.Am. (Hauser 9/3); 1615+ EG Afr. Alter. pgm, poor (Holmes-CO 8/19).
- 17850 FRANCE RFI; 1620-1630 EG, "PCA", contest for African countries, // 8 other freqs (15200 best) (Edelstein 8/27); 1740-1748 FR, talk & mx to C.Afr., //17860 better tho to E.Afr. (Earhart 8/8).
- 17885 CYPRUS BBC W.S.; 1300-1315 (Wood 9/8); 1600-1610, nx (Earhart 8/8).
- 17890 TAIWAN VOFC; 0000-0030 Mandarin, march mx, not //17720 (Wood 9/7); 0046-0130 CH/EG, anthem at 0100, Chinese mx (Blossom 8/21).
- 18080 UK BBC; 1345 Bengali, nx, cmntry, mx (Leffler 9/5).
- 19915.0 USA VOA; WCNA feeder, 0020 EG, "Breakfast Show" (Hauser 8/28).
- 21455 AUSTRALIA RA-Shepparton; 0130 EG, "Aust. News in Brief" (Grenier 8/29); *0120 EG, surprised to hear tone & tuning signal, since it's been years since I've heard RA on 13 meters! (Hauser 8/23).
- 21460 BELGIUM BRT; 1445 FR, mx, talks (Leffler 9/5).
- 21480 HOLLAND RN; 1448 EG, education in schools (Leffler 9/5).
- 21520 SWITZERLAND SBC; 1451 IT, nx (Leffler 9/5).
- 21535 SOUTH AFRICA R. RSA; *1300 EG, nx in brief, poor (Osterman 8/21).
- 21580 FRANCE RFI; 1500 FR, mx sung calypso style (Leffler 9/5).
- 21590 SWEDEN RS; 1408 SW, SSB svc., SR Utlandsprogramet (Hauser 9/5).
- 21640 NETH. ANTILLES RN-Bonaire; 1700-1820* DT, nx, mx (Kenyon 8/19).
- 21700 PORTUGAL RP; 1503 PT, mx, xmsn to Brasil (Leffler 9/5).
- 21710 UK BBC W.S.; 1505, nx (Leffler 9/5).

Thanks for the many excellent reports this month. Again, all reports to Greg Ravenhorst, unless you hear something too late for his 12th of the deadline.

73's,

Dave

Dave Jacobsen, where are you?



FRENDX CREDITS

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Thank you to 52 reporters this month. Let's see some more reporters, okay?

Bebbie SPRELOWSKI, Calgary, Alta, Canada (Patrolman 9)...Dean BIRKHAUSER, Wilbraham, MA (DX-160)...Tom BLOSSOM, Austintown, OH (SPR4)...Bill BOGEL, Santa Barbara, CA (FRG7)...Josephine BRYAN, Tracy, CA (FRG7)...John V. CHESLEY, Baltimore, MD (FRG7)...Hadley CREESE, Harrisonburg, VA (HRG-500)...Kenneth DELONG, Topton, PA (ICP-1900W)...Steven DUBIN, Union, NY (DX-160)...Larry FRIESTEIN, Cantopach, NY (SPR4)...Earlin WIELD, Hillsdale, WI (SPR4)...Robert FRASER, Cobasset, MA (XCP-30)...Oral GINET, St. John, NB, Canada (SX-190)...Mark GODFREY, Broadfield, CO (QR-666)...Jon HOLM, Glen Head, NY (DX-160)...Pete GREINER, Anna, CA (FRG7)...Dave HASCALL, Portville, IN (S3A) Editor Glenn HAUSER, Brockville, TN (HQ-160/FRG7)...Bobby HOBES, Rocky Mount, NC (FRG7)...Charles HOFFMAN, Manheim, PA (FRG7)...Dale JOHNSON, Winnipeg, Man, Canada (SB-310)...Brandon JORDAN, Memphis, TN (DX-160)...Don KENYON, Butler, PA...Terry KRUEGER, Casselberry, FL (QR-666)...Irving LEFFLER, Brooklyn, NY (SPR4)...Daniel LUZZI, Austin, TX (BC-348)...Donald MCCANTS, Trussville, AL (GE 10 band prt)...Pete McLAUGHLIN, Dover, DE (SPR4)...Bill McMULLEN, Ann Arbor, MI (BR-22)...Publisher Alan MAYER, Park Forest, IL (SPR4)...Jim MEENAN, Hamden, CT (SX-190)...Scott MILLER, Lynnfield, MA (DX-160)...Timothy NOONAN, Milwaukee, WI (SW4A)...Sydney OSTERMAN, Toronto, Ont, Canada (FRG7)...Neal FERDUE, Falkville, AL (HA-600A)...Andre PINEAULT, Ancienne-Lorette, PQ, Canada (FRG7)...George POPPIN, San Francisco, CA (FRG7)...Editor Greg RAVENHORST, Hollandale, MN (R4C)...Bill SANDGORN, Savannah, TN (FRG7)...Garry SACHENIKOW, Winnipeg, Man, Canada (FRG7)...David SARRAZIN, Denver, CO (Unales 1914)...Charles SELF, Roseville, MN (DX-150A)...John SELLINES, Cornwall, NY (SW-717)...G. Mark SMITH, Huntsville, AL...Wade SMITH, Westport, MA (FRG7)...David SWYDER, Brooklyn, NY (DX-160)...Dan STAUNER, Madison, WI (DX-120)...Patrick SULLIVAN, Concord, MA (R39A/URR)...Richard SWANSON, Wellman, IA (DX-160)...Leon TANNENWALD, New York, NY (SPR4)...Mitchell TAYLOR, Riverdale, GA (DX-160)...Glenn THOMPSON, Dowling, MN (HQ-145A)...Mike TIERS, W. Vancouver, BC, Canada...Dave VALKO, Duinla, PA (DX-160)...Michael WALLIN, Kingsford, NSW, Australia...Steve WISELWOOD, Santa Maria, CA (N660A)...Frank WOLTMAN, Cambridge, WI (DX-160)...I've got a new cleanup man!

HELPING HAND For Sale: Drake SPR4 with following modifications for remote EPO & AVC switch, 23 xtals including all Ham & SW bands, plus 9.0 mhz, all domestic AM, LW, & CB, original carton, rack mount, extra frequency dial, AE & DC power cords, manual, noise blander. \$450. You pay UPS. Rich Orloff 109 Village Path, Lakewood, NJ 08701 or call (201) 363-8061. Rich will be moving by about the time you read this.

HELPING HAND For Sale: DX-150A receiver in excellent condition w/ Jeystick antenna. Best offer takes both. Terrance Ward, 1408 S. 10th St #21, Waco, TX 76706

HELPING HAND For Sale: DX-160, 1/2 year old in mint condition w/ matching speaker. \$125 or best offer. Will ship in original carton and cover postage costs. Contact: Scott Miller, 6 Baldwin Lane, Lynnfield, MA 01940 or call: (617) 334-4444 not collect.

FOR SALE Argonaut 405 Amateur station in excellent condition, 100 watts, w/power supply, 2 atu, mike, manuals. \$395. Tom Blossom, P.O. Box 253, Austintown, OH 44010 or call (216) 275-6295 not collect.

HELPING HAND For Sale: Realistic TRC-30A (23 ch.) in excellent condition, but in fair - good electrical condition. 1 1/2 yrs old, original box & mobil adapters for mounting. 50 ft RG-8U coax, 1/2 wave antenna (has reached 50 m.) \$100 and you pay postage. Contact Richard H. Miller, Jr, 4334 Wells St., Weirton, WV (26062)

HELPING HAND Wanted: Heathkit GR-81 3 tube rx schematics &/or assembly instructions. Will copy & return. Terry Krueger, 84 S. Winter Pk. Dr, Casselberry, FL 32707

PLEASE EXCUSE all the mistakes on this page! I must have made 100 of them. Out of correction ink, plus I'm doing this just before leaving for Europe. I'll be back from there when you read this. Busy, Busy, Busy. 73's, *Greg B.*

