

# FRENDX

## PROGRAMME IN ENGLISH

### EUROPE

English 29.3. 26.9.87

Medium and long wave broadc.

| UTC/GMT |          | kHz | m    |
|---------|----------|-----|------|
| 0630    | 0655     | 963 | 317  |
| 0700    | 0725 (6) | 558 | 538  |
| 1830    | 1855     | 254 | 1181 |
| 2100    | 2125     |     |      |

Short wave broadcasts

|      |          |       |    |
|------|----------|-------|----|
| 0430 | 0455     | 6120  | 49 |
| 0630 | 0655     | 11755 | 25 |
|      |          | 9560  | 31 |
|      |          | 6120  | 49 |
|      |          | 6120  | 25 |
| 0700 | 0725 (6) | 11755 | 25 |
| 0830 | 0855     | 6120  | 49 |
|      |          | 9610  | 31 |
|      |          | 6120  | 49 |
| 2100 | 2125     | 6120  | 49 |

### NORTH AMERICA

English 29.3. 26.9.87

| UTC/GMT |            | kHz   | m  |
|---------|------------|-------|----|
| 0430    | 0455       | 11755 | 25 |
| 1100    | 1125 (1 5) | 15400 | 19 |
| 1200    | 1225 (1 6) | 11945 | 25 |
| 1300    | 1325 (1 6) |       |    |
| 1300    | 1400 (7)   |       |    |
| 1400    | 1425       | 15400 | 19 |

Radio Finland provides daily access to news about Finland and the North in Finnish, Swedish, English and German, with additional broadcasts in French during the weekend.

Opening in May 1987, the new YLE external broadcasting base in Pori will greatly improve the reception quality of Radio Finland worldwide.

The new transmitting centre includes three 500 kW, one 250 kW and one 100 kW SW transmitters and a 600 kW transmitter for medium wave.

The new medium wave transmitter will be using the frequency 963 kHz and is likely to be audible with good signal strength in continental Europe at night.

### MIDDLE EAST, AFRICA

English 29.3.-26.9.87.

| UTC/GMT |      | kHz   | m  |
|---------|------|-------|----|
| 0430    | 0455 | 11715 | 25 |
| 1400    | 1425 | 15185 | 19 |

### AUSTRALIA, EAST ASIA

English 29.3. 26.9.87

| UTC/GMT |      | kHz   | m  |
|---------|------|-------|----|
| 0830    | 0855 | 15245 | 19 |
| 2100    | 2125 | 11945 | 25 |

### SOUTH AMERICA

English 29.3. 26.9.87

| UTC/GMT |      | kHz   | m  |
|---------|------|-------|----|
| 2100    | 2125 | 15400 | 19 |

### NEWS COVERAGE

Radio Finland reports news about Finland and the North in Northern Report seven days a week. Northern Report covers Finnish and Nordic developments of interest to an international audience. Northern Report is broadcast at 04.30, 06.30, 08.30, 11.00 (Mon-Fri), 12.00 (Mon-Sat), 13.00, 14.00, 18.30 and 21.00 UTC.

An international service news summary in English is also carried by the YLE domestic FM networks one and four at 15.55 local time. All YLE foreign language programmes can be heard in the Helsinki area on 100.80 MHz FM.

### AUDIENCE SERVICE

Write to: Radio Finland  
International information  
Box 95, 00251 Helsinki, Finland  
Audience service by telephone  
(358 0) 401 3733 or 401 3534  
Mondays-Fridays 10-12 UTC  
(13-15 local Helsinki time)

# RADIO FINLAND

### AUDIENCE SERVICE IN THE USA

You can call us toll free at 1-800-221-YLEX (-9539)

The number informs you about the current broadcast times and frequencies of Radio Finland in the US - and gives you a chance to comment on Radio Finland programmes.

MIAMI VALLEY DX CLUB  
4666 Larkhall Lane  
Columbus, OH 43229

P R E S S   R E L E A S E

The Miami Valley DX Club is proud to present its Fifth Annual SWL-DX-LISTENER FORUM at the Dayton Hamvention on April 26, 1987. This year the All Ohio Scanner Club (AOSC) will once again be co-sponsoring the event.

Guest speakers at the 1987 forum include:

\*\*\* Chuck Gysi, (pronounced Guy-see), the "Scanner Scene" editor for Popular Communications Magazine. Mr. Gysi will talk about "VHF/UHF Scanner Monitoring."

\*\*\* Brad Lovett, Executive Secretary of the Miami Valley DX Club, and the "AM, FM and TV News" column editor in the MVDXC Newsletter DX WORLD, will talk about Broadcast Band DXing.

\*\*\* Other speakers to be announced.

The Dayton Hamvention has become the largest hamfest in the Western hemisphere, covering several floors of equipment display space indoors at the Hara Arena, and covering several acres of outside flea market as well.

This year's Hamvention will be held from Friday through Sunday, April 24 through April 26.

The Listener's Forum will begin Sunday morning about 11:15 EDT and last approximately one hour.

Any questions about the Forum can be directed to Dave Hammer of the MIAMI VALLEY DX CLUB, 4666 Larkhall Lane, Columbus OH 43229. Phone: (614) 471-9973 (evenings)

This is an all band event that should be of interest to all SWLs, DXers and other communications enthusiasts.



Stephen G. Moye  
178 Bartlett Ave.  
Cranston, Rhode Island  
02905  
[401] 941-6497

I hope you are having a good Spring. We in the Northeast are gratefully recovering from a messy and cold Winter. The listening conditions were good, but it was hard to hear the radio over the sounds of chattering teeth.

I begin this month with a letter from *Andy Sennitt* – an editor of the *World Radio TV Handbook*. Under normal circumstances I would not have printed this letter: it is my policy never to print materials that show an individual at a serious disadvantage. However, as this letter came to me on the letterhead of the WRTH, I feel that it is something in the nature of an official statement from that publication and must be dealt with accordingly. Herewith Mr. Sennitt's entire letter:

With reference to your remarks about the 1987 WRTH receiver section, it is hardly fair to state that there is "no indication" about who carried out the tests. At the bottom of page 560 the names of those involved are given. So to say that Jonathan Marks "revealed" his involvement on January 22nd is stretching the truth a bit! The credits were placed at the end at the request of those involved, but there was no intention of creating "a curiousness" as you put it.

The reason for the page reduction is that we wanted to keep the cover price the same for the third year in a row. It was calculated that we could achieve this by shredding 32 pages, which had the extra advantage of reducing the mailing costs of multiple copies by a substantial amount. This is purely a case of good housekeeping, and had nothing to do with other changes.

The cult of personality which is implied in your comments seems to be something particular to the American market. In Europe, people generally pay far more attention to the substance of a report than to the identity of the writer. As all of the people involved in preparing this year's receiver section are Europeans, you will notice a tendency to de-emphasise [sic] personalities. This phenomenon is not restricted to DXing. I recall how people were said to believe something that CBS reported purely because it was Walter Cronkite who delivered the words. Here in Denmark, the rightly news is presented in turn by a whole string of different announcers, and even on the radio there is virtually no personality cult. It's just a different way of looking at things.

So, Stephen, I think that you have mistaken traditional European behaviour for something else. I can assure you that the WRTH editors will take note of your comments, and if it seems that our American readers are not happy with the receiver section unless someone's name is displayed prominently at the beginning, we will re-consider our policy. The comments of other NASWA members are welcome.

73, (signed) Andy Sennitt.

I really hardly know where to begin, so let's start at the beginning of this odd missive and work our way relentlessly to the end:

1. By no stretch of the imagination, is a note of *Credits* — buried at the end of a listing entitled "Dealers List," and distinguished only by a 1-point rule — an adequate notice to the public of the identity of those who have assembled the reviews of equipment: indeed, "it is hardly fair." The public has a right to know — up front — who has undertaken the tests and who has made the recommendations. I would add that those who have made available their time, intelligence, and industry deserve better from a major publication: I can only say that they would have received it at my hands.
2. I do not believe that my remarks about the decreased page count of WRTH87 in any way called for justification from Mr Sennitt. Indeed, my opening words were: "The 1987 edition of the *World Radio TV Handbook* is out and, as usual, it is a treasure." Further, I applaud any effort to keep prices at a reasonable level.
3. I am astonished by Mr. Sennitt's references to a "cult of

personality." At issue is not merely a matter of 'personality' with reference to who is making recommendations about the purchase of expensive and technologically complex pieces of equipment. (I cannot make any sense whatever of Mr. Sennitt's analogy [as inept as it is superficial] with newscasters, and so will, mercifully, leave this aspect of his remarks to rest in peace.) Larry Magne's acknowledged expertise is known the world over. In the absence of that known expertise, we are (rightly, I think) entitled to know (and at the head of the reviews, at that) just who is giving us their opinions. This has nothing whatever to do with "personality," but rather with experience and knowledge — qualities valued, so far as I am aware, not only in Europe, but the world over. Furthermore, I cannot bring myself to believe that any reasonably sentient human being could ascribe a "cult of personality" only to Americans: the arts (both serious and popular) — among other pursuits — have demonstrated that if we Americans ever had a monopoly on that market, we no longer retain it.

4. Finally, Mr. Sennitt, I may say that I am reasonably familiar with the scholarly traditions of three cultures, specifically in music, mathematics, history, and the history of science. Traditional European — and, so far as I am aware, American and Chinese — behaviour is clearly to give credit where credit is clearly due, and to make known all the facts and their sources in the proper way. This is my only concern, and I take it for granted that it is the only concern of all those who have the interests of the advancement of knowledge (DX, SWL or otherwise) at heart.

It is, I think, Mr. Sennitt's reference to 'truth' in his first paragraph that I find most difficult to comprehend, and disturbing. I think that it is clear that I have told the truth as I have perceived it: 'stretching the truth' is merely a euphemism for lying, and I really do not believe that this has happened in this column. Nor did I imply that there was any "intention of creating" (Mr. Sennitt's words) a "curiousness:" I merely pointed out that the lack of clear attribution was curious — and so it is. I am further puzzled and distressed by Mr. Sennitt's attempt to make this a matter of Americans-versus-Europeans: for SWLs and DXers, this seems curiously parochial and narrow minded; and as such, I would go further and say that it seems unworthy of an editor of the WRTH.

In the last analysis, I do believe that I have given to the WRTH very much more praise than blame. I can only hope that this was justified. Indeed, what I find most seriously lacking in Mr. Sennitt's *official communication* is any expression of thanks for the long record of support received from this column, FRENDX and NASWA. Rather, I find only odd criticisms of largely imagined faults. I rejoice that I find myself at one with Mr. Sennitt in wishing for the comments of the NASWA membership and FRENDX readership.

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Before we pass on to some more letters, I thought that I would explain a bit about my work on, and attitudes about CONTACT — prompted in part by Mr. Sennitt's letter. As I pointed out earlier, it is my policy not to publish letters that would either present an unflattering view of their authors, or would simply present me or the FRENDX readership with too big and easy a target of criticism. In fact, I have had only a handful of such letters, so the question does not come up very often.

Further, I will not knowingly repeat in transcription any errors, inadvertent or otherwise, in the letter of a correspondent. To do so, would require continual recourse to the use of the condescending *sic*: all too often this is just an obvious way of letting the readership know that the editor knows how to spell. (Well yes, I did make one small exception above: I just couldn't seem to help myself for some reason.)

Finally, I take your letters at face value: you have put work and thought into them, and I respect that. I will endeavour to bring the same qualities to the presentation of your letters here.

Oh yes, the masthead of this column: I promise (really) not to tinker with it for at least a year. (I *do* like my new toys, and I tend to get carried away.) Your comments and criticisms are — as always — most welcome.

Now for a letter that comes from Tim Davisson (Cuyahoga Falls, Ohio) - who, I note from his enclosed card, is an Account Executive for WSLR [interesting call letters] 1350kHz in Akron - and it touches on several topics:

In the past few months thoughts re: shortwave broadcasting trends and my 28 years of listening (I started at age 11) has crossed my mind. Below are some comments I hope will be of interest and stimulate others to comment.

All in all, the programming of many shortwave stations has improved. Oh, the BBC, R. Nederland, R. Australia, etc. have been excellent for years. But, personally, many other broadcasters have had vast improvements in the past few years: SBC/Switzerland, Portugal, Spain... to name a few.

Perhaps those in charge of developing and analyzing programming have read more letters, conducted listener surveys, etc. It's a refreshing trend: more programs about the PEOPLE and social and business happenings in countries... instead of hard-core political opinion.

On the downside, as a QSL collector, I am disturbed at the apparent trend toward useless, "no data" QSLs. Recently I got one from Radio Japan (Gabon relay I needed QSLed). Deutsche Welle has done so for a few years. For what tiny bit of good it might have done... I wrote DW two very polite letters asking if a specific QSL was possible on a one-time-only basis so as to verify a DW relay country. No reply. And there are other major broadcasters that have a long-running "no data" QSL policy. It's sad.

I am, as an American taxpayer, angry with the U.S. Information Agency. Once a year I write the VOA asking for a complete set of English-language program schedules. This last Fall I wrote (in September, I believe) and by November had no reply. I called VOA and the information office promised they would reply. As of 12 February 1987, no reply. First, no QSLing of VOA stations for Americans, and now they won't even send schedules??? As Americans, our tax dollars are supporting the USIA/VOA. I hate to sound like an old #\$\$%&... but what next?

Finally, with the great number of hobbies available to persons of all ages, shortwave listening needs a P.R. campaign to further its cause. Suggestion: develop written or taped (on cassette) PSAs [public service announcements] to be sent to commercial and college radio stations in selected "large" markets. PSAs are run at no charge. Just a thought.

I really like that idea about the PSAs for SWLing. I think that, given a good selection of off-the-air recordings and access to a good studio to prepare the tape, it ought to be a fairly straightforward matter to prepare a really fine product. Hmmm... let's see what we can do.

I have heard before now of the problem that you are having with VOA/USIA: other people have occasionally run into the same problem. I remember reading somewhere that, when pressed for an answer, the VOA/USIA authorities asserted that, as VOA is not intended for a domestic audience, they are not set-up to hand out program materials to domestic listeners [re-reading that, it looks a little strange - but you know what I mean]. That, I need hardly point out, is a non-answer: somebody just doesn't give a damn, and lacks the nerve (I don't wonder) to say so. I suppose you might apply to your Senators or Representatives for a display of power at a somewhat higher level. Still, I don't hold out much hope.

The problem of 'no data' QSLs has appeared in this column before. I am beginning to think that only a torrent of letters let loose on the offending stations will do any good - if anything will. Has anyone else had this problem, and, more importantly, have any shortwave stations written to you about it?

We move now to a letter from Jerry Bishop (Clark Air Force Base, Phillipines). He courteously introduces his own letter:

Greetings once again from the Far East. Just how far, nobody's saying.

Two topics this letter, QSLing and club support.

The mailbox has been an interesting place lately for yours truly. First there was the week with three Indo veries, then HLA and Azad Kashmir, and finally two Indians two days apart. While I'm not sure what I'm doing now that's working as far as getting the stations to answer, I have something of an idea.

Since Jan. 86 I've been including some collector's stamps with each report. I tested this during 1985 and found the percentage of replies was somewhat higher on those reports with the stamps. There was a lot of room for statistical error on this however, and I decided to continue with the stamps on a broad scale with every report.

My return rate is now up over 8% with the inclusion of stamps vs. not including them. I should add that I did not generally enclose return postage with the reports.

I send mostly US stamps, but have gotten some Thai, Hong Kong and Japanese stamps and will add these to the assortment. This technique seems to be working. In fact, some stations have sent back some stamps of their country, and these generally wind up in my wife's collection.

On contributing, I think that Kap's hit it on the head with his comments in the Feb. FRENEX. If I may, some background for those who weren't members of the club in the late 70's, when the great "elitist" war tore the shortwave community, and NASWA apart. Since that time, it has been a rare occasion to see some names in the pages of FRENEX. These names are ones normally thought of as the "greats" of this hobby. Nowadays their names only seem to appear publicly in the commercial magazines, and privately in the various closed DX sheets.

A logical deduction from all that — these folks have turned their attention to something else, and have no further use for FRENEX. Indeed, I know of one name which has not appeared in FRENEX, except on the cover, since as far back as I can remember. This now leaves the field wide open for anyone with the interest to become the best of the new age. Since the old heads are gone all but for good, this is the opportunity for anybody to get in and become the club's resident expert in something, anything. (Except computers. We have enough about BBS and baud rates now.)

The bottom line, fellow members: CONTRIBUTE. Nothing will come of your \$16 per year without your interest. I still send my DX news to Glenn and my QSL news to Sam. I hope that my contributions will be worthy of your perusal, and I'd dearly love to read of what you've heard, received, thought of, designed, or whatever. If it's got to do with SWBC, let the world know, please!

And finally, to our friends from Oz. Thanks for your news and info via Talkback. It's the only regular DX show I hear that has a lot of useful info. Keep it up.

QSLers, take note! Gerry seems to have developed a good technique. Has anyone else had a similar experience? The issue of contributions concerns us all. Organizations like NASWA exist because people like you and me take the time to contribute their time, the fruits of their labors, and their talents — all for the common good.

I must make one very strenuous exception to Gerry's letter: I do not, in fact, believe that we have had enough of the subject of computers. Used intelligently the computer is able to lighten the burden of many formerly unpleasant tasks. Logs, in particular, are an ideal target for the computer's talents. Furthermore, I only wish that I had a modem so that I could have access to any of the communications BBS [bulletin boards] — of which there are several.

# Contact Notes

I am delighted to pass on the following request from Don Jensen (5204 70th Street, Kenosha, Wisconsin 53142) who is a NASWA Executive council member:

As you may know, I edit the monthly Jensen on Dxing column in Hands-on-Electronics (Gernsback Publications).

You might wish to inform FRENEX readers through your CONTACT NOTES that I welcome photographs of themselves and their DX shacks/equipment for use in the column in the months ahead. NASWA members who would like to see their photos in this national electronics hobby magazine, published by the oldest electronics magazine publisher in the nation, should send them to me at my home address, above. Black-and-white or color shots are okay, as long as they have sufficient contrast and sharpness. Unfortunately, I cannot return the photos received. Thanks.

P.S. I'd appreciate it too if those submitting photos would identify the equipment shown.

I pass this request on with pleasure. I would also note that CONTACT has also on occasion published pictures of NASWA/FRENEX members, and that your photos are also welcome here -- with the same proviso that Don mentioned: the pictures should have both good contrast and sharpness.

□ □ □ □

I have received a note from Mike Agner (KA3JJZ; Cockeysville, Maryland) about a new Amateur Radio 'net' that deals specifically with SWL, DXing, and the radio hobby generally:

I will be starting a 'Listening Post' net on local Sundays at 8:00pm on the Baltimore 147.030MHz repeater. We'll have DX tips, brief equipment notes, short Q&A sessions on DX techniques and maybe a couple of surprises along the way. Listeners with scanners will be more than welcome to contribute - info will be given during the net. You need not be a member of any club to participate. Those with computers can leave me notes on UBIX (ID = KA3JJZ) or the ODDX board (ID = Mike Agner).

By the time this reaches print, it will already have started - I will start it on 15 February.

That sounds like fun. Are there other such SWL/DX nets available? If so, let me know and I will gladly tell the NASWA membership about them. Specifically, is there one in the Providence area?

□ □ □ □

I have a few tips that I thought you might find interesting.

□ First, I have developed a real interest in the 40 meter band, and you might want to try it, too. Why? you ask incredulously. Well, yes, I know that there is a lot of 'interference' (from the SWLer's point of view, that is) from Amateur Radio operators (it is an Amateur band in the western hemisphere), but there is a lot of very good SWL there as well. Frequently, the 40 meter band sits comfortably between the maximum- and lowest-usable frequency. I have had some very good luck particularly with Eastern Europe; even the BBC is to be found there. Don't let the problems with this band put you off.

□ Do you start your day at 5:00AM? I do, and I find that a cup of coffee doesn't always do the trick. If you want to get your blood moving in the morning, I suggest that you try one or another of the more powerful 60 meter band stations of Central and South America. The music has a really infectious charm to it. My own favorite is Ecos de Torbes in San Cristóbal, Venezuela - 4980kHz. Reception is pretty good until sunrise. Some of the Peruvian stations can provide some really lovely music - I've

heard some extraordinarily nice things on Radio Ancash (4991kHz) and Radio Andina (4995 kHz).

Are there any other early risers? How do you start your day? What stations do you listen to whilst the coffee is brewing?

□ □ □ □

✓ *Future Topics* ✓

I thought that it might be useful to examine some of the options for topics of conversation for the next few months or so. In any event, your suggestions are always welcome, and those that follow are meant to start you thinking. So as to keep the topics as relevant as possible, the only requirement is that they must be for use in CONTACT; if there are things that you would like to see in other columns, write to the appropriate editor - he/she would love to hear from you. Here are a couple of topic areas to get us started; more next month.

— The state of shortwave broadcasting —

No, I don't mean the state of the ionosphere - that is getting to be something of a dead horse, so let's not beat it any more: we all know that things are not as good as they might be. Rather, I refer to content: do you agree with Mike Nikolich's letter (above) that broadcasters seem to be upgrading the quality of their programming? Or what about specific broadcasters? Radio Moscow, in particular, never ceases to amaze me: I have frequently been moved to wonder if they and I are living on the same planet in the same solar system in the same galaxy. This, however, is generally true only of RM's news programs: programs having to do with other topics, such as science, are less prone to this problem. But there are other examples worthy of discussion - the question is: what is it that you find particularly interesting in the way a culture 'puts itself across' on shortwave? This brings us to -

— News on shortwave —

Do you rely, in whole or in part, on shortwave as your source of news? If not, why not? If so, which broadcasters do you listen to for their news programs? Why? How do you deal with cultural/political/economic bias that these broadcasters may evidence? Does this bias necessarily negate the value of the news they broadcast? Of most particular interest is the following question: How do you think U.S. news programs compare to those of other broadcasters? I ask this question because it has been fashionable in the past to assert that the American press is just as biased as any other, but that as it is our bias as well, we just don't notice it. I have my own thoughts about this - write to me and we'll compare notes in CONTACT.

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This column was prepared with Microsoft WORD1.05 and PageMaker for the Macintosh. Graphics were prepared on MacDraw (Apple Inc.), Draft® (from IDD Inc.) and PageMaker (Aldus Corp.). WORD3.0 was to have made its appearance by now, but has met with shipping delays. Type is 12-point Palatino and Zapf Dingbats. The original was printed on an Apple LaserWriter Plus. Spelling was checked (and other duties were performed) by THUNDER!® from Batteries Included, Inc.: a superb program!!!

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Whew!! Just enough room to say thanks, again, to readers and writers alike. Remember - you - the members of NASWA - are the same wonderful folks who can help to make FRENDS, a wonderful monthly treasure-trove of information, even better: CONTRIBUTE. NEXT TIME: The Calculating SWL examines SINPO. Your logs, letters, tips, insights, discoveries - anything, indeed, that can be used by your fellow SWLers/DXers - are always appreciated. I hope that you will write to us soon. Until next month - many warmest 73s -





# Easy Listening

Editor: Alex Batman, 4618 Alvin Dark, Apt. 34, Baton Rouge, LA 70820

## SUNDAY

1205-1230: "Austrian Coffe Table" (O.R.F). This is a program of music and light conversation. Each week features a different type of music: pop, classical, jazz, and pop songs from the 1920's, 30's, and 40's in Austria. (15.320. Repeated at 0300 on 6.155)

0210-0230: "The Grapevine" (Swiss Radio International). A mailbag program, but the men who host this show are slightly whacky. If there can be a slapstick on radio, this is it. Of course they also answer listeners' questions and read listeners' comments, but the strength of the program is the sense of humor of the two announcers. Also they feature listeners' poetry (humorous) about the program. If you feel like indulging the comic muse, listen to the program a few times and then give them your best humorous verse. (9.885/6.135/9.725. Repeated at 0400 on the same frequencies). Every other week.

## MONDAY

2305-2330: "Scanning the Pages" (Radio Sofia). This is a monthly program, but it's hard to predict whether it will come on the last Monday of the month or the first Monday of the month. That varies. The program usually concentrates on literature, Bulgarian and international works in translation in Bulgaria, but there are also some more political shows, one of which featured the reports at a symposium on nuclear disarmament, another of which featured the book, The Rise and Fall of the Bulgarian Connection about the supposed Bulgarian involvement in the assassination attempt on Pope John Paul II. (6.070/11.720. Repeated at 0135 on 6.070 and at 0435 on 7.115). Once a month.

0230-0235: "A Letter from Egypt" (Radio Cairo). Each week focuses on a single topic of interest rather than the usual "letter from--" format. Past programs have featured a population study conducted in Egypt, Kuwaiti investment in the country, and improved economic and cultural relations between Egypt and the Sudan (9.475/ 9.675)

## TUESDAY

0140-0150: "Folk Music" (Radio Prague). A program of Czechoslovakian folk music, pretty much as the title suggests. Each week has a specific theme or featured group, one week featuring songs played at a Prague exposition in the 1890's, another week featuring a Czechoslovakian brass band. By the way, what do you call a Czechoslovakian who steals from his friends? Give up? A bad Czech, of course. (5.930/7.345/9.740/11.990). Every other week.

0305-0400: "Skyline" (Radio Earth via WHRI). Program on Astronomy hosted by Dave Rosenthal covering the latest happenings in astronomy. Lots of news on when and where to look for special sky events including meteor showers, eclipses, planetary groupings, and other major events. Relative well prepared and presented although the host does tend to speak too fast. (7.355). Tom Laskowski, West Lafayette, Indiana.

WEDNESDAY

- 1235-1340: "Austria and the UN." (C.R.F). A brief program featuring Austria's national relations with all the UN agencies based in Vienna, like the Palestinian Refugee Organization. Interviews with UN officials and general information about the doings of the United Nations agencies in Vienna. (15.320. Broadcast earlier on Tuesdays at 0135 on 6.155 and 0335 on the same frequency).
- 1425-1430: "Korean Folktales and Literature"(Radio Korea). This program shows up sporadically on Wednesdays as part of the magazine show "Seoul Calling". Reads Korean poetry or a Korean folktale. This show may have been discontinued or moved to another time, since I haven't heard it in the last few weeks.

THURSDAY

- 0130-0135: "Headliners" (Radio Havana Cuba). A brief interview with people making the news, especially Latin American news. Several shows have featured interviews with leaders of the El Salvadorian revolutionary movement. (6.090/6.140/9.740. Repeated at 0330 and 0530 on the same frequencies).
- 0220-0230: "Daily Life in Brazil" (Radiobras). A brief look at the things that make up daily life in Brazil. One program featured a tradition house warming ceremony, another a famous artists' quarter of Rio de Janeiro, and the most recent featured the recent flooding problems in the city and the government's failure to take effective flood control measures. (11.745). Every other week.

FRIDAY

- 0035-0100: "Home in the U.S.S.R." (Radio Moscow). An attempt to give a picture of issues important to Russians and what daily life is like in the USSR. Some programs have featured biographies of the early revolutionaries, and others have featured things such as workers' tribunals, the subway system, and an interview with a Russian couple who had emigrated to the United States and then returned to Russia after eight years. (5.915/7.115/7.310. Repeated at 0235 on the same frequencies).
- 0120-0130: "Cuban Music" (Radio Havana Cuba). Features two songs by Cuban artists and some commentary about the group or the singer. It is continued at 0135 after a brief interruption for a special feature. Good Cuban music. (6.090/6.140/9.740. Repeated at 0320 and 0520 on the same frequencies).

SATURDAY

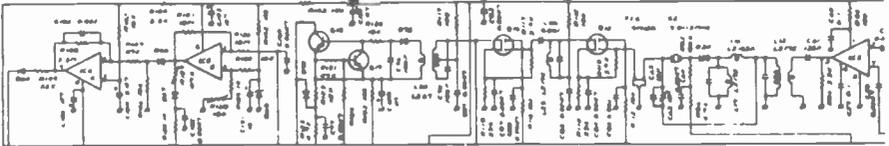
- 2115-2130: "The Pleasure's Yours" (BBC). A listeners' classical request show with dedications and greetings to listeners all over the world. (15.260/15.070). Tom Laskowski, West Lafayette, IN.
- 0107-0130: "Spotlight on Sciene" (Radio Canada International) A very good program devoted to current topics in Canadian scientific research. Usually limited to three topics per week. (5.960/9.755). Tom Laskowski, West Lafayette, IN.

I would like to extend my special thanks to Tom Laskowski this month for his contributions to the column. I wish more listeners would contribute their favorite programs, because that would make my job here so much easier. To tell you the truth, after two years of doing "Easy Listening", I'm running out of new programs that come on at a time when I can listen to them, and I'll probably have to start repeating some of the reviews from a couple of years ago if there is no more input from the readers. Oh, well, come to think of it, that might things easier as well. All I've got to do is search through the closet (under old typewriters, discarded clothes that I've never thrown, boxes of things that I no longer know what the devil they contain, etc) and find my old issues of FRENEX, and.....

735,

abf

# Technical Topics



Editor: T. J. "Skip" Arey, WB2GHA, P. O. Box C-4, Cinnaminson, NJ 08077

FUN WITH WWU  
OR  
TIME MARCHES ON

It usually happens to me about once or twice a month. I come home from the salt mines and, as I enter my living room, I am greeted by a blinking time display on my UCR. Yep. The power fritzed out sometime during the day and the clocks need to be reset. Ain't no big thing, my trusty Casio is lithium powered and relatively accurate. But just in case it is off too many seconds I flip on the good old electric radio and tune to 10000 khz.

Bing...bing...bing...bing...!

Click...click...click...click...click...click...!

"At the tone, twenty three hours, fourteen minutes Coordinated Universal Time."

With that I zero in the old Casio and proceed to set the other clocks that have gone down in the brown out.

I must confess that I am a bit of a time freak. Having a watch set to the tones of Fort Collins, Colorado when everyone else in the office is glancing up at the questionable Honeywell on the wall (It is four minutes, thirtyseven seconds off) is a joy known only to compulsive people and those born under the sign of Virgo. You have the joy of smirking and shaking your head when the bus is twentyone seconds late, or your "three minute" egg locks properly cooked in two minutes, fiftytwo seconds. Time nuts are just so darn sure of themselves.

But there are other uses for WWU, WWUX besides driving your normal friends bonkers with your self righteousness.

WWU, and WWUX, broadcasting 24 hours a day on 2.5, 5, 10, 15, and 20 Mhz gets its time signal from a super accurate atomic clock. This clock establishes its time scale from the zero-field atomic resonance of the element cesium. This clock is in fact too accurate when measured against the true rotation of the earth. This means that every few years the engineers at Fort Collins have to add a "Leap" second to compensate. Of all the QSL cards in my collection the one that draws the most attention from uninitiated observers is my 31 December, 1979 2359:60 UTC "Leap Second" card.

Correct "Zulu" time is important to the DXer who wants to give accurate reception reports. Quite a few of my radio buddies have started to take advantage of the stereo "Boom Box" cassette players for taping there listening sessions. It is easy to wire one of these K-Mart specials up so that one channel is copying your incoming signal and the other is sucking up a time signal station from another receiver. This provides you with a record that can make your signal reports "down to the second" perfect.

WWU and WWUX also provide a plethora of data in amongst their super fine time piece.

At 8,9, and 10 minutes after the hour on WWU and at 48, 49, and 50 minutes after the hour on WWUX, marine storm warning reports are broadcast. Now if I were a serious utility DXer I would think that a storm warning might point me in the direction to seek out maritime signals that might prove especially interesting. These announcements are fortyfive seconds in duration and are provided by the National Weather Service.

On the 18th minute after the hour WWU broadcasts Geophysical Alerts. These reports include the solar flux and A index for the previous UTC day also the K index for Boulder, Colorado which is updated every three hours.. This bulletin will also predict conditions for the next 24 hours.

What's that Bunkey??? All of the above is gibberish to you??? Ain't no big thing. Scientists are still arguing over what it means too. Why should you be any different? Radio types have a good practical understanding of this data's meaning so listen up and you too can start your own personal A index chart to aid a abet your Dx talent.

The solar flux is expressed as a numerical figure. A figure of 65 or lower would be listed in years of minimum solar activity. An intermediate figure would range from 100 to 200. High solar numbers tend to mean bad news for HF and good news for UHF.

The A index is usually the most widely discussed figure among DX folk. The A index is a 24 hour figure expressing the geomagnetic field of Mother Earth. The scale runs from 0 to 400+. The lower the value the better the overall propogation conditions.

The K index is just the A index but given on a more current basis on a slightly different mathematical scale in order to account for more subtle changes. The K index can be deceptive in that it represents conditions only at Boulder, Colorado.

Many other factors figure into propogation monitoring such as latitude and direction but a brief listen at 18 past the hour each day as compared to what you are logging will make you a basic MUF maven in no time at all. A more technical explanation of the WWU Geoalerts can be had by writing NOAA, Space Environment Services Center R43, Boulder, Co 80303.

If you are a true time junkie you will feel the need to purchase Heathkit's GC-1000 clock. This \$249.95 box contains a series of microprocessor controlled receivers that track WWU and its BCD 100 Hz subcarrier to give you a permanently accurate clock good to within 10 milliseconds.

The most unique use I have ever found for WWU time signals is to be found in The Book of Worship for the United States Forces. This book explains in detail how you can have your unit radioman tune in WWU to allow you to tune your guitar. You see every third minute after the hour the tones are set at 440 Hz concert pitch. Uncle Sam thinks of everything.

Now if your new to the time signal game you might ask yourself, "Self... How can I tell if I'm hearing WWU or WWUH since they are broadcasting on the same frequencies?" No sweat Sherlock! WWU makes its time announcement at 7.5 seconds before the minute. WWUH, broadcasting from Kekaha Kauai, Hawaii makes its time announcement at fifteen seconds before the minute. The time announcement on WWUH is also done in a female voice. Whenever the bands are open and I hear that woman's voice coming across the airwaves, my mind wanders to sandy beaches and Mu Mu clad island women doing the Hula and chanting

"At the tone, twentythree hours, fortyseven minutes Coordinated Universal Time."

I'm an incurable romantic at times.

Keep those cards and letters coming folks!  
GOODNIGHT RANDOLPH SCOTT, WHEREVER YOU ARE!!!

73,

*Ship*



## DX'ers Forum

Conducted By:  
Chuck Rippel WA4HHG - WDX4KUI  
1272 Parkside Place  
Virginia Beach, VA 23454  
E-Mail through ODDX or ACE 885

DEADLINE: 17th of the month

=====

The DX Season marches on! I hope everyone took advantage of the prime winter months to log some of the great DX that was showing up. In our area, the great Papua New Guinea chase is still on although definitely on the down-turn as the nights get shorter and the sunrise profile changes.

Since I renewed my membership to FRENDX, scarcely a single issue has gone by that doesn't make reference to the lack of DX activity being caused by our current position in the solar cycle. Yes, depending on who you talk to, we are in a sunspot minima but no, it doesn't have to dampen DX. How sunspot activity effects the DX'er is a point of perspective. I would like to remind those who would blame Old Sol for their CX "woes" that high sunspot numbers only increase the Maximum Usable Frequency (MUF) and tend to enhance reception on frequencies above 7 MHz. Also, increased ionization resulting from higher sunspot numbers tends to increase absorption of frequencies below 7 MHz by the "D" layer of the ionosphere. The winters of 1985, 86, 87 and possibly 88 will provide the best opportunity for DX'ers to try and log the difficult catches in the 120, 90, 75, 60 and 49 meter bands. More directly, go hear the hard ones now and let others wring their hands about sunspots!

Organization is one of the first steps in becoming a DX'er who gets maximum enjoyment from each hour invested in listening. Last month I made note that a point is reached, which seems to be around 100 countries heard, where random dial spinning becomes counter productive (no pun intended). A level of planning then becomes necessary to be able to effectively increase your country totals. The level of planning can be as simple or extensive as you wish. The important thing is to settle on a plan or system that works for you and use it.

There are important factors that enter into formulating a plan which will help make the most of the time you have available for DX'ing. A worthwhile project for an evening might be to sit down and evaluate your hobby goals. For many, initial hobby goals are to hear, log and QSL as many countries on the air as possible. Along the way, other interests such as awards, specialization in DX'ing a certain Continent or Country and DX'ing a particular group of frequencies such as the Tropical Bands will no doubt perk your interest.

To know where you are going, you need to know where you have been. The best framework for a SWBC plan, the one I personally use, is the NASWA country list. Like the ARRL country list for Amateur Radio, the NASWA countries list has been long accepted in the SWBC hobby world as the "standard." These are available from the Awards Manager or Headquarters for \$2.00. After obtaining one of these, compile a list of countries heard and countries verified. This will provide an overall picture of which countries you need to log and which have been logged and verified.

Now that you know where you have been in the way of which countries already heard and verified, the DX'er can see which countries are needed and begin to formulate the basis of a plan which will show where listening efforts need to be concentrated.

ODDX, in keeping with Ed Shaw's wish to assist the hobby, offers a 20+ page country list modeled after the NASWA list. While this tool is designed to work in conjunction with the current NASWA country list, it additionally provides up to two representative SWBC outlets for each NASWA country along with frequencies and times each outlet is available. All information is compiled from current loggings appearing in recent major hobby publications and where possible, verified by ODDX members. This list can be obtained by sending \$3.00 to:

ODDX Countries list  
P.O. Box 5791  
Parkview Station  
Newport News, VA 23605-5791

This month, I am happy to feature how one very successful DX'er, Dr. Harold Cones (DR. DX) organizes his DX activities. Why is Harold called "Dr. DX?" Because his license plates say "Dr. DX." What more do you want?

Planning a DX Accident  
by  
Dr. Harold Cones

What makes a DXer different from a SWL? Over the years, I have watched various folks staunchly defend their territory as if the final outcome of the nuclear winter depended on it--in fact I have seen almost whole issues of hobby magazines dissolve into arguments between SWLs and DXers. My feeling is that the hobby is a big one and everyone is doing the right thing for themselves, fulfilling their particular needs in the hobby; no one activity, nor any one person more right than any other activity or person. So why the soapbox oratory? Well, if I am going to discuss the organization of DXing, I may somehow hurt the feelings of some SWLs, and I just want you to know my viewpoint (and besides, it is a statement I have wanted to see printed in the hobby press for some time!). I am more of a DXer than a SWL. I SWL while doing my bills or writing letters; using the BBC much the same as some folks use Muzak. It helps me keep up with things and I SWL on a regular basis (I guess I have a lot of bills to pay.) But, for me, there is no thrill there; the thrill comes late at night or early in the morning when Mom Nature throws a quirk in the propagation conditions my way and suddenly I am listening to a 1 KW local service from a remote Pacific island and hearing it well enough to respond with a valid reception report. Those accidents, although at times just occurring, are usually planned. Yes, I am up at that hour with my radio tuned to the correct frequency, but I usually don't just get up in the middle of the night and flip on the switch. I have organized this accident and caused it to happen. In my opinion, organization is THE key to successful DXing (and, I might add, the fact that I successfully set up this accident is a nice ego trip!). But none of it would have been possible without organization and a great deal of homework, and it is these two things that separate the casual SWL from the dedicated DXer.

So how does one organize? I would guess that there are as many ideas about this as there are organizers. The key, of course, is what works for you. Since I have been at the hobby with a fair degree of success for some time, Chuck asked me to share my methodology with you. I am sure he would like to hear from you with your ideas since we can all profit from more streamlined organization.

The first step is a pack of 5x8 lined notecards, which are used to keep collected information in a standard noncumbersome format. Scrapes of paper and matchbook covers containing important DX information always seem to walk off just when you need them. A made-to-order slot in your desk for the cards keeps everything tidy and available. Now that you have the format, you need to know what you want to hear. I keep and maintain a "hit list" of my top ten or so targets. This list not only contains the information about frequencies and such from the WRTH but also information on alternate frequencies, best time of day for reception, QSL data (such as verification signers, which could be of some help later), and grayline information. This material is obtained from many sources, but one of the best is the careful combing of several years of back issues of all your hobby magazines. In addition, propagation predictions should be noted on the cards. These are available from several sources (but remember, propagation predictions are just that, often with about the same reliability as weather predictions). Each station on your hit list should have its own card with as much of this type of information as you can muster up. Grayline information (a future column will no doubt cover this important aspect of good DX catches) can be determined from several computer programs available or with the DX Edge, available from Gilfer (just an off the wall note--using Grayline information, members of the Old Dominion DX Association were able to determine that we would have a six-week grayline opening for Papua New Guinea from early January to mid-February. Papuas are very rare in Virginia, but by using this

information, the excellent ODDX organization, and my cards, I received and sent reception reports to twelve PNG regionals). In addition to the cards on my hit list, I also set up six cards, each representing four hours GMT. The results from your review of the loggings sections of the various hobby magazines are then placed in "time-heard" order on these cards, followed by the frequency (pay close attention to the state from which the logging came--for us east coast DXers, California logs of the exotic Far East are generally useless, but do not rule them out. Try converting them to your local sunrise and placing a mark after their entry to remind you it is a dubious one). These cards are then used for routine listening for stations you need--if you are listening at 0500, you only need the 0400-0800 card in front of you rather than a whole pile of notes and aids. A special card can also be constructed for a special purpose, such as the Papua card, listing all stations, notes on loggings, and so on. I find the 5x8 cards to be big enough to hold all my data yet small enough to be easily stored and tucked away for the many ODDX allnighters (they fit very nicely in a pocket in the front cover of the WRTM or RDI.)

I also keep a number of well organized notebooks with many color keyed dividers. These are used to hold any special items collected, such as the list of British Commonwealth countries Kap provided in the March FRENDX. On special columns from the hobby press, such as the article on DXing Papua New Guinea in a recent Monitoring Times. There are also sections on awards, foreign language reports, countries verified, countries needed to fulfill FRENDX awards, and an endless variety of other things. The important thing about these notebooks is that they are so well organized I can lay my hands on anything in just a few seconds.

Needless to say, your shack must be organized as well. You should lay it out so that everything is in a logical place, and once used, returns to that place. Ever get up in the middle of the night to catch a really good one and reach for a pencil only to find that your daughter carried it off to do her math assignment and it resides no-you-know-not-where and the voice in th headphones is saying, "This is the voice of Nibi Nibi" and you feel like crying and.....? Avoid this problem by keeping extra pens, pencils, and pads. It may sound ho-hum now, but wait until it happens to you the first time.

The word processor has also been a valuable aid in my organization. In addition to keeping records, I use it for reception reports. I spend a great deal of time constructing a master report, in whatever language, which, when needed, is brought up and the blanks filled in. This also enables special reports to be written, such as for the Venezuelans or the Ecuadorians, that are personalized but do not require long hours of typing and the use of a foreign language dictionary each time they are used. When a follow up is needed (and you know when because of your excellent record keeping) you have an original in a matter of seconds.

These are a few of my ideas. Organization is a matter of personal preference but is something that is absolutely necessary to capture the tough DX countries. Unlike the SWL, who can get hold of a good monthly list of 500 KW stations and their broadcast schedules from a number of sources, the DXer must be able to "Sherlock Holmes" the information from many sources, then organize it so that a rare DX "accident" happens. If not organized in a logical, easily used system, finding Nepal on the dial would be like trying to find Chuck Rippel in a generic, nonalphabetized telephone directory.

If you think about it, effective DX'ing needs to have some pre-planning. As your countries needed list becomes smaller, the level of planning and the sophistication of those plans will increase. Good planning is also an effective hedge against hobby burn out. Getting up at 3 AM every morning for a week to hear an elusive station which doesn't show can try every fiber in your body. Doing this and then finding out the station you have been searching for has changed from a summer to a winter schedule or vice versa is as exasperating as it is unnecessary.

Next Month: The "DX Equation." What is it and how to make it work for you.

Better safe than sorry Dept:

\* flash \*

MARSHALL ISLANDS VIA information by way of DXtra, World of Radio, NU, etc.

Radio Station WSZO, Majuro, heard here on the East Coast 3/21 on 4940 between 0930 and 1000\* Programming consisted of "back to back" island and other music with few announcements in between songs. Sign off announcements in EE at 1000 by MA. Very strong and readable signal here. It is reported that 4940 is a relay of the 1098 medium wave outlet and is parallel to 6070.

Be sure to check Listeners Notebook and Log Report "B" for more details!

Unfortunately, information on this one surfaced around the middle of March which, because of lead times and cut off dates, may make it very difficult for FRENEX to explore this subject in depth while the news is still "hot." Luckily, Bob Hill was able to get it into the March 1987 issue of UPDATE. For those of you who don't subscribe to UPDATE, here is an example of a very good reason why you should.

There is another important point that can be made here. With all the SWBC outlets that have left the air combined with those thinking of leaving, it is good news indeed to see one coming on the air. It was rumored that one SWBC hobby group was aware of this information at least 1 week before it became known to the SWBC "general public" but chose not to release it. This selfish line of thinking detracts from our hobby and is certainly counter to NASWA's Unity and Friendship slogan. It is the policy of DXers Forum to make available DX related topics in a manner supportive of both the hobby and NASWA's Unity and Friendship slogan.



CANADIAN DX CAMP 1987

May 22-24, 1987

The Ontario Student Leadership Centre, Longford Mills, Ontario, will be the site of the second large scale DXpedition hosted by the Ontario DX Association.

Members of NASWA are invited to enjoy two and a half days of D&R (DX & Relaxation) at the picturesque camp of the O.S.L.C. on the shores of Lake Couchiching.

A large hall will be available for the setting up of receivers and many acres of land may be strung with antennas. Accomodation is shared cabins for singles and family cabins for couples/families.

A cost of Cdn\$30 per day per person includes accomodation and meals. Children under 12 are Cdn\$15 per day.

For further information and a registration form, send an SASE or IRC to the Ontario DX Association, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8.

# NASWA Awards Program

Awards Chairman: John M. Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

Greetings and welcome to the April Awards Page. The following folks were issued NASWA Awards during the month of February 1987:

Gerald BISHOP, Clark AB, Phillipines: Master China DXer; Senior China DXer; All Continent "QRP" DXer (2 and 5 KW); Asian Continental DXPert; African Continental DXPert; Papua New Guinea DXer; ORTF DXer; Senior Time Station DXer; Australian DXer; Senior Radio Moscow DXer; Senior Subcontinental DXer

Richard E. DAVIS, Portales, NM: Master Indonesian DXer

Bill HARMS, Bad Aibling, FRG: South American Continental DXer, Senior Ecclesiastic DXer

John M. KAPINOS, Shrewsbury, MA: Master British Commonwealth DXer

John R. MEYER, Kellnersville, WI: European Continental DXPert; Master British Commonwealth DXer; Arab World DXer; North American Continental DXer; Australian DXer

Hank NEIGGEMANN, Santa Maria, CA: World Wide DXer

Terry PALMERSHEIM, Minneapolis, MN: Tropical Band DXer

Michael SCHMITZ, M'Gladbach, FRG: Master British Commonwealth DXer, African Continental DXer; Tropical Band DXer

Eric SCHULMAN, Murfreesboro, TN: Ecclesiastic DXer

John R. TOW, Pinson, AL: Senior Ecclesiastic DXer

## \*\*\* KAP'S KOMMENTS \*\*\*\*

Bill Plum (12 Glenn Rd., Flemington, NJ 08822) has send along his latest mint stamp price list, with quite a few new countries added. As many folks know, IRC are not only expensive but are difficult for some smaller stations to redeem. An SASE to Bill will get you the list.

The NASWA Country List and Awards Booklet is available from me for \$2.00 postpaid in North America, \$3.00 via airmail elsewhere.

The NASWA Country List Committee will soon meet to add the Marshall Islands to the list. Approval will be retroactive to the first day of operation of WSZO.

WCSM is reported to be testing at this writing. This station will, of course, be eligible for the Ecclesiastic Awards. Also WYFR-Scituate and WYFR-Okochobee count as 2 stations for these Awards.

To the sharp eyed reader who noted our use of the world "irregardless", rest assured that it won't happen again. Irregardless of context, the world regardless is the proper one to use.

SPECIAL AWARD ANNOUNCED: The NASWA Awards Chairman is please to announce a special Award, to be available during the month of April only. There will be no charge for this Award. Requirements are QSLs from any 3 SWBC stations located in Nibi-Nibi.

Till



next

month



Editor: Tom McElvy, P.O. Box 9645, Norfolk, VA 23505-0645

Here we are AGAIN! Hope that all the nasty weather is over with, and that we can get back to something enjoyable... I hate having it 70 one day and snowing the next! Anyway, so much for my complaining. Bill Krause of the ANARC Computer Information Committee, recently published an article discussing interference from our friend the computer...

## RF INTERFERENCE & THE HOME COMPUTER

by Bill Krause, ANARC Computer Information Committee

The home computer is one of the best friends the radio hobbyist has. But like alot of our best friends, it has one very annoying bad habit. The home computer's bad habit is that it is a source of RF interference. All home computers, from the most expensive to the least expensive, are guilty to some extent. How much interference the computer generates, generally speaking, is not so much a reflection of the cost of the computer, so much as its date of purchase. While, for reasons to be explained shortly, the more expensive units do have some tendency to be less of a problem, the tightening of regulations governing RF emissions of newer computers is a more significant factor. Lets have a look at what in the computers causes the interference, and some possible ways of managing the problem.

The most significant source of RF interference related to the use of home computers comes from the TV set that they are usually hooked up to and the RF modulator which transmits the computers video and audio signals to the TV. Monitors, commonly used with more expensive setups and sometimes with less expensive ones, do not generate as much RF interference because they do not make use of the RF modulator, which is a miniature TV transmitter, and because they do not have a tuner stage. However, while monitors create significantly less interference than do conventional TVs, they still must be considered a serious cause of RF interference. A second very significant source of RF is the electrical line noise generated by the power supply of the computer and any peripherals such as printers that might also be hooked up. Finally, there is the computer itself. There are usually crystal oscillating circuits and other electronic components within the computer itself that generate considerable RF interference.

So, how do we minimize the impact of all this RF on our ability to enjoy the radio hobby? Well, let's briefly look at each source of RF and deal with them in turn. First, let's look at the TV and the RF modulator associated with it. the cost of monochrome monitors now begin at \$50 and color monitors begin around \$130. If the computer is viewed more as a serious tool rather than primarily as a game machine with only minor side benefits, then even the user of less expensive computers such as the VIC-20 or Timex-Sinclair would be well advised to seriously consider a monitor. Besides making less trouble for your radio, the monitor will provide considerable better readability for the computer. Another thing that can be done in this area is to use the best possible connecting cables, the ones with the most shielding. Also keep the length of the cables as

short as possible for your particular setup. These suggestions will help you deal with the most significant source of RF from the home computer.

Another big source of RF interference is the power supply of the computer itself and some of its associated peripherals such as a printer. There is really only one thing you can do about this and that is to keep your computer and its attachment as far away from your radio as possible. But of course if you are going to use the two together in any sort of meaningful way, there will be real limitations as to just how far you can go. However, it should be possible to plug the radio and the computer in on different outlets, at opposite ends of the room if possible. I have found that this can make an appreciable difference.

Finally, there is the computer itself and its own electronic circuitry. This is a tougher problem, but a problem you can deal with to some extent. First, as I mentioned earlier, newer versions of computers, even of the same make and model, have been forced by the FCC to reduce their RF emissions. Generally speaking, they have accomplished this by adding more internal shielding, but sometimes simply by using newer and higher grade electronic components. One manufacturer was able to reduce the number of components by two-thirds while producing a machine that worked just as well as the original! This undoubtedly reduced RF emissions in their computers. But how can you approach the problem? Again, keeping the computer and radio as far apart as possible will help. Another approach is to provide your own shielding. Wrapping as much of your computer as possible in a couple of layers of aluminum foil will make quite a difference. It won't do anything for esthetics, but it will make your radio alot happier! **WARNING! MAKE SURE YOU KNOW EXACTLY WHAT YOU ARE DOING AND WHERE TO PUT THE FOIL IN YOUR COMPUTER BEFORE TURNING ON THE POWER SWITCH!!!**

It is an unavoidable fact that your home computer is going to cause RF interference that will affect your radio, and probably the family TV as well. It is, though, a problem which can be managed in a manner so as to reduce the impact of the RF interference to a minimum. A home computer and radio CAN co-exist in the same home, indeed in the same room, and they can even work together for the enjoyment of their user.

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### ANARC BBS UPDATE:

Some INTERESTING news from Bill Cole:

We have been operating at 1200 as well as 300 baud since February 25 and have been testing our new Xmodem file transfer since March 1. There were some initial bugs, but they seem to have been worked out. Callers are now welcome to use the Xmodem feature to up and download.

There is another change to the board worth noting; we no longer carry Radio Canada International's Program Previews as part of the International Forum. RCI has not provided us with any information since July 1986. Numerous requests by Bill Krause and I to Ian McFarland did not produce results so it was dropped effective 3/6/87. However, we have a replacement waiting in the wings. Al Quaglieri, who does the African DX column in SPEEDX, is now uploading his material to us. We intend to have the African DX column online in the International Forum by 3/11/87.

It was previously announced that Dan Ferguson of THE GUIDE TO ENGLISH SHORTWAVE BROADCASTS would be supporting the BBS with updates for the North American Database. Dan proposed that we give him free advertising on the board in return for his providing schedule updates. We carried Dan's ad for three months in the BBS Information section and received nothing in return. In fact, Dan is behind in providing our paid subscription; we have not had an issue since October 1986. Dan has not responded to inquires about the status of the GUIDE.

The ANARC BBS maintains files on usage. We have an individual's total calls on a monthly and yearly basis. We also tally on-line time on a per-call basis. Some interesting statistics are available from this information. During the period January 1 - February 28, 1987, the ANARC BBS had 266 users on-line. There were 131 callers in January and 135 in February. During February the BBS was in use 1484 minutes (24.7 hours). The average length of a call was 10.9 minutes and our users call on an average of 1.7 times per month. During February the calls ranged from one call per user to 10 by user Stan Gammons. Stan is the undisputed champ in 1987 with a grand total of 15 calls! (ed note: guess AT&T loves Stan, hihi!)

We also have information on uncompleted calls. So far in 1987, there have been 18 callers who disconnected when asked to provide their name during log-on. Finally, there were 78 calls that came in at an incompatible baud rate. Prior to our adding 1200 baud capability, we were averaging 10 disconnects per week due to baud incompatibility. Since February 25, we are averaging less than 2 calls per week disconnected. Obviously there are a few people out there with 2400 baud or higher capability. The BBS also logs a caller's baud rate. Currently 60% of the calls being taken come in at 300 baud, 40% at 1200 baud.

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**COMING NEXT MONTH!**

I received a very nice letter this month from Doug McClure, my counterpart at ASWLC. Seems Doug is also a member of NASWA, and has offered to join in a swap of information for our respective columns! Great idea, so next month, we will have his article on DATABASES...don't know what those are? Stay tuned!

\*\*\*\*\*

**"THE BBS LIST!"**

|               |                |               |                |
|---------------|----------------|---------------|----------------|
| ACE BBS       | (913) 677-1288 | NEVERBOARD    | being changed  |
| ANARC BBS     | (217) 368-3124 | ODDX BBS      | (804) 596-2710 |
| BOARDS GALORE | (416) 598-1934 | PINELANDS BBS | (609) 859-1910 |
| DX LOGBOOK    | (816) 228-2882 | URIX BBS      | (614) 866-4392 |

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|  |  |  |   |
|--|--|--|---|
|  | Protect<br>Protéger<br>Protéger<br>Schützen<br>保護                                    |  | Never<br>Nunca<br>Jamais<br>Nie<br>絶対禁止 |
|  | No<br>No<br>Non<br>Falsch<br>注意  |  | 10°C → 52°C<br>50°F → 125°F             |
|  | Insert Carefully<br>Insertar<br>Insérer avec soin<br>Sorgfältig<br>Einsetzen<br>挿入注意 |  | Never<br>Nunca<br>Jamais<br>Nie<br>絶対禁止 |

Found this on the back of a disk sleeve, and thought you might enjoy it!

Until next month, happy computing and best of 73!



# ANARC COMPUTER BBS

401 E. Walnut Greenfield, IL 62044

Voice 1-217-368-3119



For Release APRIL 1, 1987:

## ANARC BBS CONTEST

Usage of the ANARC BBS has reached an all time high. Over 2000 users were on-line during March. We are approaching the 2000 mark for total callers on-line.

We have set 2500 callers by ANARCON 87 as a goal. As an incentive for our users to help us in achieving the goal, we are offering a prize. Gerry Dexter, the ANARC DXer of the year, has authored "Shortwave Radio Listening With The Experts". Our SYSOP, Bill Krause, collaborated with Gerry on the usage of computers in the hobby. We are offering a copy of "Shortwave Radio Listening With The Experts" to caller number 2500 on the ANARC BBS.

The BBS has been programmed to identify caller number 2500 so that he or she can collect their prize. You can't win if you don't call!!!!

The ANARC BBS is operated by the ANARC Computer Information Committee as a service to interested hobbyists, especially members of ANARC affiliated clubs. The ANARC Computer BBS operates in 1200/1200 or 300/300 baud 8,N,1 protocol. No password is needed, we run an open board. The ANARC BBS is online 24 hours per day at: 1-217-368-3124.



# Online # 1-217-368-3124

24 HOURS PER DAY

SYSOP Bill Krause PROGRAM by Bill Cole





# Listeners Notebook

GLENN HAUSER, P.O. Box 490756, Fort Lauderdale, FL 33349

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**A F G H A N I S T A N** The tone of R Afghanistan is somewhat different now, especially after the ruling Communist Party leader Najibullah called for "national reconciliation" at the beginning of the new year. The Afghan leader appealed over the state-controlled radio for Mujahideen (anti-communist Muslim guerrillas) and some five million Afghan refugees to return home. The change is noticeable even in Kabul's ES in EG at 09-1030 on 17720 and 15435, both relayed via USSR and directed to S&SEAs & FE. ES to Eu 1730-1930 on 4920 & 6020, also via Soviet xmtrs with German 1830 & EG 1900 (Sarath Weerakoon, UADX Dec-Feb) HS \*0130 on 7195 ex-7200 to avoid VOA QRM (Supratik Sanatani, Feb ADXR)

I have marked different jammers on 1/3 when Deutsche Welle was in Pashto & Dari at 08-0850 on 15185 15245 17825 17875 (Tripti Ranjan Basu, Calcutta, Feb Asian DX Review of Indian DX Club International)

**A L A S K A** KNLS has realized they cannot reach Eu thru the North Pole; in latest sked Eu is no more mentioned as a target area; all bcs are to Asia & USSR; M87: 5960 08-11 EG. 5990 11-1230 CH. 6090 14-1630 RS 7355 1630-1930 EG. 7400 1230-14 CH. 7355 1930-22 RS (Salvatore Piacanica, Italy, Dec-Feb UADX)

**A L G E R I A** APS nx agcy reported 2/3: Pres Chadli arrived today in Ouargla, southern Algeria to preside over inauguration of a 1000 kW radio xmtr; similar stn under implementation in Bechar; therefore most of country will be covered 20 hours per day on LW (sic). BBCMS ed note: Per 1974 Geneva plan, 40 kW Ouargla to operate on 1098, 400 kW Bechar projected on 576; at present only low-power xmtrs thot to op on these fqs (WBI 6/3)

**A U S T R A L I A** RA intros new pgm from 5/4: Veterans of Vietnam, thots and feelings of Australians who served there and their lives today: Sun 1530, Mon 2330, Wed 0930, Thu 0730 (Werner Rutsch, Switzerland)

Finally logged new NT stns. VLBA Alice Springs, 2310 1/3 1120-1210 f/out. Plenty of rock mx (Rondstadt, Wonder, etc): 1145 nice TC & ID "Quarter past 9, you're with ABC Northern Territory Radio". Sig weak at first but improved to 2+52+ at peak arnd 1145-1150. Faded after ABC nx and 1cl wx; //2325 VL8T Tennant Creek was P and 2485 VL8K Katherine was threshold. The 1200 ABC nx was the same as bc by VLR6 Lyndhurst at 1130 on 6150 (Richard A D'Angelo, Wyomissing PA, 2/3)

**A U S T R I A** Newspaper Volksstimme reported 5/3: Unless worst comes to worst, as early as the next cabinet meeting, Paul Lendvai in the face of massive oppos-

ition from w/in the Au radio svc (ORF) will be appointed head of the SW svc which is being beamed abroad by ORF at the behest of the Au govt. After all, Lendvai suffered a crushing defeat in a vote taken on all the applicants for the job. The ORF's "Eastern expert" intends to restructure the SW svc into a "Radio Free Austria". Whereas to date pgms have been xmtd only in GM, EG, FR and SP [& Esperanto], Lendvai has also ancd plans for pgms in Russian, Czech and Hungarian (WBI 13/3)

A Z O R E S RDP Intl, Lisbon, reported 13/3: Portuguese TV (RTP) Azores will soon start xmtg weekly nx & current affairs pgm for US- and Canada-based Azoreans by a DBS system. Dir of Azores Emigration Dept, Duarte Mendes, has said in Angra do Heroismo that the obstacles placed by RTP admn in the way of the project's materialisation had now been removed. Weekly summary of political, economic and cultural events in the archipelago will be available to anyone equipped to receive the DBS system or for re-xmsn, or otherwise, by TV stns serving areas where the viewership is made up mainly of Azorean immigrants (WBI 20/3) Like New Bedford MA? Hardly a majority there, are they? Unfortunately there are no DBS services operating to North America, so what do they think they are doing? Ordinary TVRO interception is not DBS, which implies intent to broadcast--higher fqs & power, smaller dishes (gh)

B O L I V I A Panamericana net reported 7/3: R&TV Directorate of the Transport & Comms Ministry has fined the La Paz TV stns 500 bolivianos, because they failed to comply with articles 32 & 38 of the comms rules & regs, that before any pgm is bc it must be presented to the R&TVD for review... (WBI 13/3)

C A N A D A Japan has introduced legislation designed to allow RCI to use facilities of NHK to beam pgms to China and other parts of Asia; the bcs are expected to begin in Apr 1988 (CP, Tokyo, Montréal Gazette, 6/3 via Andy Rugg FQ)  
RCI reported 5/3: the govt has ancd that CBC would receive 880 megabux for fiscal year beginning 1/4, an increase of 1.3%. With inflation of 4-5%, new budget represents net loss in funding for CBC. As a result, net has ancd plans to eliminate 325 jobs and reduce pgming (WBI 13/3)

C H A D Monitoring 11-17 Feb: The official Chadian Natl Radio in Ndjamena continues to QSY to avoid QRM. The 60mb channel, 05-07 & 16-22 has been obs since 11/2 on 4960, ex-4898; but 4904.5 is still ancd. Daytime 1025-16 xmsns still on 7100 instead of ancd 7120 (WBI 20/2)

C O L O M B I A AFP reported 11/2: Col police report that 2 employees of the private RCN net's key stn were injured when a bomb exploded early this morn. The explosive device destroyed front part of RCN's xmtg mast in heart of Medellín. Damage was considerable. Police said that per a report by a child, 2 young men placed the bomb at the door of the bldg, while a 3rd person waited for them on a motorcycle. Sevrsl hours later, anon call from the Pedro León Arboleda guerrilla front of the Marxist-Leninist PLA (EPL) claimed responsibility. There have been no arrests (WBI 27/2)

El Tiempo, Bogotá, reported 12/3: Comms Minister Edmundo López Gómez ancd the replacement of obsolete eqp used by radio monitoring stns. This will afford accurate control over all radio fqs on all bands. 428 megapesos were allocated for this. One main project is purchase of eqp to detect spectrum occupancy by authorised & cland stns; 160 megapesos on eqp to analyse spectrum, measure field strength and fqs. Too, 20 megapesos for a telecomms net to link monitoring stns to Comms Ministry HQ. 10 megapesos for scanners. Maintenance lab for 50 megapesos; presently damaged eqp repaired by private companies or sent to the El Cerro monitoring stn, which lacks adequate facilities. Lab to maintain eqp for tech control and pgming of radio bcng stns [?] will also be purchased for 51 MP. Plans to replace eqp incl purchase of machines to repro high-speed magnetic tape cassettes (15 MP); mobile units to control stn programing, particularly for those stns in remote municipalities (40 MP); construxion and eqp of new HQ of monitoring stn and pgming control group on Cali (20 MP), and mobile radio-monitoring units (50 MP)... (WBI 20/3) Whew; will be interesting to see if all this results in less fq variation, more harmonic suppression, reduxion in cland bcs, already minimal. Let us hope that 'control stn programing' is an inadequate translation--in Spanish, 'control' is more likely to mean 'monitor' (gh)

C Y P R U S R Bayrak, Nicosia, reported 13/2: Pres Rauf Denktas today laid the foundation stone for Bayrak Radio & TV (BRT) complex w/in the organised industrial zone. Said the voice of the TurkCyp people should be hrd. Said w/help of the motherland this voice'd be carried louder to the world [emphasis added--vague city--could he mean relays by Ankara on SW?]. PM Dervis Eroglu said the project, to be completed in 1990 at a cost of 16 Turkish giralira, will enable BRT to relay TRT-1 & TRT-2 pgms to TurkCyps as well as to ME (WBI 27/2)

D E N M A R K R Denmark ES [before time change to one hour earlier]: 10-1052 Eu/Af 15165. 11-1130 Au/Am P1 DS 9720. 12-1252 As/Au 15145. 13-1352 Am 15165. 14-1452 As 9580. 15-1552 ME/Af 11865. 16-1652 Am 11945. 1730-1830 Au/Am P1 DS 9720. 19-1952 ME/Af 15165. 20-2052 Eu/Af 11875. 21-2115 M-F Au/Am P3 DS 9750. 21-2152 Sat/Sun Au/Am P3 DS 9750. 2130-2145 M-F Eu/AF P3 DS 11875. 22-2252 Am 6130. 23-2352 Am 6120. 00-0052 Am 9770. All in Danish (WBI 13/3)

Danmarks Radio DS: P1 00-2220 on 245 kHz and FM in DN except: M-F 1130-12 pgm for immigrants; Sat 17-1730 Greenlandic; Fri 1850-19 Faroese; Sat 18-1930 pgms for immigrants; Mon-Fri 1910=1945 pgms for immigrants; also has nx from Greenland Tue, Wed, Fri 19-1910. Program 3 in Danish on 1062 & VHF FM except for Mon-Fri 0730-0735 nx in EG. All times one hour earlier during summer time [ie now] (WBI 20/3)

D O M I N I C A N R E P U B L I C Weak LAM, at first unID, from about 0330 to 0500\* on 2540 kHz; std LAM pgming; last part of Feb; unseemed harmonic of 1270, and unlinked w/rx IF fqs. Turned out to be RTVD, 2 x 1270, per ID at 0505 24/2 to 0506\*, and from 1100 (Robert McGurdy, Camp Hill PA)

E C U A D O R 4/3, when I tuned in to DX Party Line on HCJB as the ARDXC should be on the first Wed, they repeated the Monday pgm from 2/3; John Beck seems not to have noticed anything, as on Sat 7/3 he didn't mention the mishap (Werner Rutsch, Bolligen, Switzerland)

E T H I O P I A VORE ES: 12-13 Somali 9560 7165. 13-14 Afar 7165. 14-15 AR on 9560. 15-16 EG 9560. 16-17 Amharic 9560. 18-19 FR 9560. 19-1930 EG/verns V of Namibia presented by SWAPO 9595. 1930-20 EG/verns R Freedom of ANC 9595. Xmtrs in Addis Ababa also carry Sudan PLA stn Radio SPLA at 11-12 & 13-14; and Somali opposition stn R Halgan 17-18 (WBI 27/2) All targets Af, exc 14 AR also ME

F I N L A N D DPA reported 21/2: Finnish Radio to start daily nx pgms in German from end of Mar; the bcs, which stopped in the 1940s, were resumed in Autumn of 1985 as weekend pgm. Finnish R and that GM svc has been vy popular; about a third of listener mail from abroad applied to GM. 2140 & 2240 via Pori SW and on the South Finnish MW & LW xmtrs; repeated next morn 1010 on SW [these times local]. Per tent 29/3-27/9 sked, GM: 08-0830 Sat/Sun 11755 6120 and Sunday only also 963 558 254; 0815-0830 M-F 11755 6120. 1940-1950 daily 11755 9685 6120 963 558 254. 2050-21 daily 6120 963 558 254 (WBI 27/2)

R Finland reported on changes effective 29/3 on a 10/3 bc: Bericht aus Helsinki, new daily GM, first bc at 1940 UTC, repeat 2040 and 0910; all 15 mins in eve; 15 mins morn, half hour Sat/Sun. 600 kW MW about to start on 963; daily GM requires some cutback in EG--only 2 eve xmns instead of 3. Weekend Fair no longer hrd. All RF pgms an hour earlier by UTC; first edn of Northern Report at 1830 ex-1930. And this EG sked from 29/3: 0430 11755 11717 [sic--means 11715] NAM/ME/Eaf. 0630 11755 9560 6120 963 558 254 Eu. 0830 15245 11755 6120 Eu/EAs/Au As. 1100, 1200, 1300 15400 11945 NAM. 1400 15400 NAM. 1830 11755 9610 6120 963 558 254 Eu. 2100 15400 11945 6120 963 558 254 Eu/EAs/AuAs/SAM (WBI 13/3)

Final M87 and first part of J87 to 31/5 sked as published 9/2: NEU: 0330-2210 6120 2200; until end of April 1010-1555 on 11755 2050. 0230-2210 on 254, 558, 963. C&WEu/SWEu, Waf: 0520-0650 9560 2250, 0520-10(Sun 1010) 11755 2250; 16-2055 9610 225, 11755 225. EEU 1005-1055 9655 130. ME/Eaf 0245-0510 11715 175; 14-1555 15185 1750. NAM: 0245-0510 11755 325, 1050(Sun 1100)-1555 15400 310; 11-14 11945 310. FE/Au 0830-10(Sun 1005) 15245 90; 21-2215 11945 60. SAM 21-2215 15400 240. EG bcs are daily except: 07-0730 Sat. 11-1130 M-F. 12-1230 M-Sat. 1330-14 Sun (via Richard Lemke, St Albert Alta)

F R A N C E Some powerful R France MW xmtrs carry a lot of speciality pgming, much of it not in French: fqs are 1557 1494 1404 1377 1278 1242 1206 945 864 837 792 603. M-Sat 0530-06 RFI pgms for immigrants: Mon Viet, Turk; Tue Lao,

Yugo; Wed & Thu African, Spanish; Fri Cambodian, Spanish; Sat Turkish. At 06-07 daily on 1278 Alsatian German from Strasbourg; Corsican from Bastia on 1494 & 1404. Daily 22-23 on 945 from Toulouse, Spanish from RFI Paris. + others during the daytime. During summer time (i.e. Now) all pgms one hour earlier (WBI 20/3)

G H A N A At 0715 21/2 this anmt on 6130: This is the Ghana BCing Corp, Accra. The External Svc of the GBC will resume from 6/3, in EG & FR to Waf, and this is a test xmsn; same hrd 22/2, 23/2, 24/2 at 1815 on 6130. Ghana Nx Agcy reported 25/2: the ES has been off the air for 10+ years; to resume on 30th anniv of the country's independence (WBI 6/3)

R Ghana ancd 0645 after drumbeats the inauguration of this svc; EG 0645-08 & 1845-20; FR 08-09 & 20-21, all on 6130 to Waf. 9/3, GBC-1 reported on the revived ES, recounting its earlier incarnation, begun by Kwame Nkrumah as anti-colonialist voice (WBI 13/3) No mention of resuming HF svc to other worldparts

Waf svc includes pgm preview at 0646-0650 and 1846-1850; nx and press review at 0730-0745 and 1930-1945; "A lotta continua" - liberation struggle pgm at 1850-1900 [so it's in Portuguese??? -gh]; French nx and press review 0840-0845 & 2030-2045 (WBI 13/3)

G R E E C E Greek Radio, Athens, reported 28/2: Greek-US negotiations on the VOA were concluded this morn. As has been off'ly ancd, the two delegations have agreed on a text which'll be submitted to their govts for approval. After the text has been approved the agmt will be signed, at a time to be determined thru diplomatic channels (WBI 6/3) Greece had been playing hard-to-keep, with year-by-year extensions of expired agreement; trying to extract more aid out of US than archenemy Turkey (gh)

I C E L A N D Rikisutvarpid on new 13760 ex-13775, 8/2 1230-13 Ic nx, sports, wx, SINPO 43433 (Julius Hermans, Holland, DSWCI SWN)

I N D I A AIR ES to 3 May 1987 in EG: 00-0115 E&SEAs 15110. 10-11 NEAs 11920 15320 17387, ANZ 11725 15335. 1330-15 SEAs 9545 11810 15335. 18-20 Eaf 11940 15360. 1845-2230 UK/WEU 7412 11620. 1945-2045 N&NWaf 9755 11860. 20-2230 UK/WEU 9910. 2045-2230 Au/NZ 9550 9910 11715. 2345-0115 E/SEAs 6045 7215 9535 11745, NEAs 9910 11715 (Supratik Sanatani, Feb IDXCI ADXR)

I N D O N E S I A RRI reported 10/3: Info Minister Harmoko spoke at opening of some new TV relay stns; about V of Indonesia ES development: by end of March, VOI will be to Eu & ME w/better reception. Objective is to increase distribution to those regions of correct info re Indo on political, cultural and development progress. To widen cov of VOI to Eu & ME, a 250 kW xmtr is being constructed at Padang Cermin in North Sumatera; expected to be completed by end of March. Reception of RRI pgms in those regions has been poor (WBI 20/3)

I R A N Monitoring 22-25 Feb: VIRI xmtrs on 15084 & 9022 went off the air abruptly at 1653 22/2; since then, no hf xmsns monitored from Iran. IRNA nx agcy reported that Iraqi warplanes had bombed a telecomms stn in vicinity of Karaj on afternoon of 22/2; Karaj is near Iran's main hf xmtr site at Kalamabad which may also have been hit in the attack (WBI 27/2) Monitoring 22 Feb - 2 Mar: VIRI HF xmtrs, unhrd since eve of 22/2, resumed opn on 28/2. Intermittent carriers were first obs on 15084 & 9022 at 0540 and opened during a sked pgm in SP at 06. Tho there were several breaks in xmsn 28/2, bcng now seems normal (WBI 6/3)

Monitoring 10/3: at 2141 during Familiar Voice ES in Persian, VIRI ancd that from 21/3, there'd be changes in fqs and bc times of FamVoice svc. From then it'd be bc on 15084 9555 9022 for SAs 1430-1630; Eu 1830-2020; Eu/NA 2130-0130. Listeners invited to send comments and reception reports to 15 Khordad Square, VIRI, Familiar Voice pgm, Tehran. Currently this is bc 2030-0130 only and includes live relay of VIRI DS nx at 2030. At other times ch such as 15084 9022 have carried VIRI's domestic svc or extl svc bcs in other langs. The new Familiar Voice svc may well have an effect on the future timing of these svcs (WBI 13/3)

Monitoring 3-5 Mar: Since 3/3, VIRI from Tehran obs on 5995 0230-1615 apx // 15084; these carry Persian DS exc 0530-0630 SP, 0630-0730 FR (WBI 13/3)

I R A Q R Baghdad on new 11740, from 1400 AR "Saut ul-Jamahir" to 1700\* since 3/3; 500 kW power house ex-9635 (Ernie Behr, Kenora Ont, 14/3)

Monitoring 26 Feb - 2 Mar: An Iraqi xmtr on 7140 which normally \*0600 to carry RB svc in Persian to Iran, hrd 26/2 \*0530 w/out mod; a few mins before 06 some Baluchi mx and this closing anmt in Persian, spoken w/Iranian Baluchi tribal accent, was hrd:

"In the hope of a future meeting, O freedom seekers of Iranian Baluchistan! In the hope of a future meeting, O Iranian people who are fighting against the band of Khomeyni's tyrants! In the hope of future meeting, all you esteemed sons and brothers, we entrust you to God. We invite you to listen in daily, to the voice of truth and sincerity, which reflects your aspirations, the programme of the Movement of the Mojahedin of Iranian Baluchistan, that tells you the truth. This programme has been introduced to tell you the clear facts, which are as clear as the hearts brimming with faith and love for Baluchistan and its noble scions, so that in every corner of the soil of Iranian Baluchistan a bunch of flowers may sprout and blossom, and so that children may regain their smiles of happiness, and blessings and bounty may return to the fields, harvests and cities. Forge ahead towards a bright future!" 2/3, a bc in Baluchi was hrd in progress at about 1600 on 1431 kHz with Baluchi mx and talks critical of the Iranian govt. The pgm, which was also hrd on 7180, ended at 1630. Afterwards the stn identified in Persian as the voice of Iraq, from Baghdad. 3/3, a Persian lang bc beamed to Baluchistan was hrd on 7220 at 05-06. Carried much the same closing anmt as hrd just before 0600 on 26/2 on 7140 (WBI 6/3)

Monitoring 1-3 Mar: R Baghdad ES to Eu in FR 18-19, GM 19-20, EG 20-2245, hrd on 9875 since 1/3 (WBI 6/3)

I R E L A N D There is one way of hearing many independent stations on SW, due to badly built and tuned xmtrs. Irish harmonics are beginning to become a separate subject on its own with the sheer volume of stns which have them. These have been hrd all over Europe as well, not confined to Ireland the western UK. Try for the new harmonic of Arklow Community R, which has just appeared on 2502 the last few weeks. I was there last year; the MW xmtr had severely low modulation, due to a useless modulation transformer, per the guy there. I presume they have now tuned up the xmtr on the harmonic, as the signal is very strong. Check out this novelty before they realise it, as this one was not normally hrd. [Most are 2nd harmonics, some 3rd; fundamental in (); gh rearranged by harmonic fq:]

3510 (1170) Breffni R. 3456 (1152) Boyneside. 3348 (1116) N CR. 3150 (1575) CRF. 2943 (981) Hometown R. 2862 (954) Big M. 2826 (1413) Big M. 2772 (1386) Kandy R. 2718 (1359) CLR. 2664 (1332) Mid West. 2664 (1332) Boyneside R. 2610 (1305) Boyneside R. 2592 (864) IRL. 2520 (1260) Carousel NI. 2502 (1251) ACR. 2502 (1251) Erneside R. 2466 (1233) Boyneside R. 2457 (819) CCR. 2448 (1224) KLB. 2340 (1170) Breffni R. 2268 (1134) N CR. 2250 (1125) Luimini. 2232 (1116) N CR. 2142 (1071) Longford CR. 1962 (981) Hometown R. 1908 (954) Big M. 1890 (945) DCR. 1728 (864) IRL. 1639 (819) CCR. (Ken Baird, March DSWCI SW News)

In NAM we probably have a better chance of hearing some of these, because of 24 hour operation, or at least a full darkness path, than the numerous deliberate SW pirates from Eu on the 6 MHz band, which tend to operate daytime only. The stn name abbrs are as given; those into this subject are assumed to know what they mean (gh)

I T A L Y I think that R Milano has problems w/eqp because it is some time since I have hrd the stn and the sig was very weak; also weekends, it is more absent than present (Marcel Rommerts, Neth, DSWCI SWN; & Noel Green, ed, UK concurs)

European Christian R bcs, per ltr, daily 1035-1330 apx in Albanian & Croatian w/IDs in EG on 7335; 70 watts; xmtr on NE coast of Italy. Started testing 12/85 and they hope to increase power to 1 kW in near future as well as airing addl aftn pgm 15-1530; in longterm, new langs to be added and bc times increased. Currently about 5 reception reports are received weekly (Marcel Rommerts, Neth, SWN)

AWR-Forl sked for Feb-Mar incl 3 EG xmsns: 07-0730 9605 Mon-Sat; 0830-09 & 1230-13 7165 daily. "Current" says rcvd 2381 letters in 1986, most from FRG w/ 537; more than 100 from Finland, France, E Germany, Italy, Sweden & UK. Seems like a poor response to this AWR stn, in my opinion (Richard A D'Angelo, PA)

J A M A I C A CANA nx agcy reported 12/2: Well-known cultural figure Carey Robinson has been aptd GM of the state-owned JBC for the second time. Previously

headed JBC in 1970s; will take up new appt 16/2; is now Exec Dir of National Heritage Trust. JBC ops R & TV svcs. Rose [sic] has also been named to head govt's secretariat preparing for privatisation of state-owned media, JBC said. Former JBC GM Gloria Lannaman was to have gone to the PM's office to head that secretariat shortly before her death last May. Govt is planning to divest JBC's morning TV, lease the corp's natl AM radio, as well as its 3 regional stns, two of which have already been closed. Govt is also planning to sell its 24% share in the independent R Jamaica (RJR) (WBI 20/2)

K E N Y A Monitoring in March: VOK svcs currently obs on SW per this apx sked: Natl Svc: 02/0230-0630 6075, 0630-1330 7140, 1330-1830 6150, 1830-2010/2110 on 6150 4885. Genl & Educ Svc: 02/0230-0630 6045, 0630-1330 7270, 1330-2010/2110 on 6100. Central Svc: 07-19 on 4915. Eastern Svc: 0250-0630 4885, 0630-1330 7240, 1330-1830 4885. Genl Svc fqs carry schools and other educ pgms on weekdays in the GS's silent periods. Both the Central & Eastern svcs now operate continuously from morn s/on to eve s/off (WBI 20/3)

K U W A I T (?) Al-Siyasah reports on the regular transfer of the V of the [Gulf] Cooperation Council pgm from one country to another; the Bahrain term is to end 30/6, and will be retimed for listener convenience to 14-16 UTC. Altho the report originates in Kuwait, the 7-paragraph item does not explicitly state that Kuwait will be the source from that date (gh, from WBI 20/2)

L A O S NRL, Vientiane: 2130-23 6130, 23-0230 5160=LSB 6130, 0330-07 6130 & 5160=LSB. 09-1120 6130, 1120-1400 6130 5160=LSB, 14-16 6130. Mostly in Laotian but there is a pgm in Mong at 2130-22, 0330-04, 13-1330. Most regional radios carry the 00, 05 and 12 nx from Vientiane.

Houa Phan, 4660, 23-0130, 11-1330 in Laotian/Tribal w/lcl nx at 2330 & 1130. Luang Prabang, 7162, 2230-0130, 04-06, 0930-13 in Laotian/Tribal, w/lcl nx at 23, 04, 0530, 1030, 1130; Mong pgm at 1230. Oudomsai, 4465=unconfirmed, 23-02, 04-06, 12-14 in Laotian/Tribal. Pakse, 6647 23-02, 04-06, 10-1415 w/lcl nx at 2330, 04, 10, 1315. Savannakhet, 7385, 2230-01(Sun 0130), 0430-06, 11(Sun 1030) -14(Sun 1430) in Laotian w/lcl nx 2330, 0430, 1130. Vieng Xay, 4285=unconfirmed 10-1115 in Laotian/Tribal. Vientiane Capital R, 4440, 2230-01, 04-0630, 10-1230 in Laotian w/lcl nx 2330, 0430, 1130. Xieng Khouang, 5660=unconfirmed, 23-0030, 11-1230 Laotian/Tribal w/lcl nx at 2330, 11.

National R of Laos, Vientiane, ES in FR via USSR 11-1130 Eu 15190 11870. Rest are to As from Laos on 712v & 1030: 00-0030 Cambodian, 0030-01 FR, 01-0130 EG, 04-0430 Camb, 0430-05 Viet, 05-0530 Thai, 0530-06 FR, 06-0630 EG, 1130-12 Thai, 12-1230 Viet, 1230-13 Camb, 13-1330 FR, 1330-14 EG, 23-2330 Thai, 2330-24 Viet (WBI 20/2)

Udomsai Prov R now hrd in Feb-Mar on 4535, 2230-0030 & 11-13 w/Laotian/tribal langs; lcl nx 23-2330 & 1130-12 (WBI 13/3)

L E B A N O N V of the People (Arabic: Sawt al-Sha'b), was reported by the Beirut newspaper 'Al-Nahar' to have begun test bcng 22/12/86; appears to support Leb Communist Party; on 1188 kHz in AR 04-22, generally w/nx on the half hour; French nx at 1345-14 (WBI 20/2)

L I B E R I A ELWA ancd 12/3: From next week, new pgm adjustment; morning req hour, 0637 M-Sat, will now be extended to 0700, while 0655 nx moved to 0709 immediately after BBC nx. Req lovers, also tune in Sat 2030-2115; That is not all! Info is also in the adjustment package. Join your good nx stn ELWA Sat 1715 for the Week in Africa from BBC, and 1600 Sun for BBC nx, and for your church, a 50-min palm-tree pgm [?] Sat 1930 (WBI 20/3)

M A R S H A L L I S L A N D S 4940 kHz, WSZO, Majuro, powerful signal at 0920 w/M.I. wx in good EG. Then diff ancr in vy poor EG mixed w/Is1 lang w/Is1 mx. ID at 0930, definite WSZO Majuro. Also audible on // 1098 tho not as strong (Chuck Boehnke, Kaaau HI, 4/3)

WSZO, (also IDing as R Marshalls and R WSZO) hrd 5/3 on 4940 from 0716 to 1002 in EG & verns (presumed Marshallese). Ancd 10 kW, and fqs 1098 and 6070 in addn to 4940. Summary of pgming: 0716-0759 rock & C&W mx sels (Police, Madonna, Journey, etc) w/anmts by M & W in verns. 0800 EG anmts by ancr (no ID yet) and into EZL South Sea Island mx sels w/infqt anmts in verns to 0858. 0858 ID & fq anmts over mx, in verns. 0900 TC & EG anmt: "It's exactly 9:00" and ments of "E-

vening News Wrapup". Nx in verns to 0907, then EG nx, brief sports and maritime wx to 0913. 0913 ID in EG: "This has been our Evening News Wrapup from WSZO; goodnight and we'll see you tomorrow." Into more SSI EZL sels w/oocl anmt in verns by M, to 0956. 0956, choral hymn and reading by W to 0959. Then ID & fqs by M in verns. 1000 s/off anmts: "This is Radio Marshalls, WSZO, the Broadcasting Svc of the Republic of the Marshall Islands, under the supervision of the Ministry of Interior and Outer Island Affairs, Division of BCing Svcs. WSZO is authorized to bc on 1098 kHz MW, and 6.070, 4.940 MHz SW. WSZO is authorized to broadcast with an output power of 10,000 watts. Radio WSZO has now done its bc-ing skeds for the day, and WSZO will be back on the air at 7 am tomorrow morning. Until then, good night and WSZO is now signing off." At 1001 choral anthem or hymn to 1002, then dead air. Carrier cut several mins later. Reception was SINFO 34443 w/G, stable signal, G audio. Couldn't check ancd 6070 as I caught this info clearly only at s/off. Pgming suffered oocl 1-2 sec silences, and one slight record miscue. Somehow, I don't think this is a hoax (e.g. pirate-programmed). If so, it's not funny--the ancrs clearly had command of a Melanesian-type lang. So that leads me to ask when did WSZO start SW pgming?? I fqtly check 90 and 60 mb for Pac sigs during my lcl overnight, and I haven't come across this until this morn. May be audible ECNAM, given power and xmsn time--if NBC-4890, same low power, can make it, then WSZO should too. Has anyone else hrd this on SW, or was I (and my tape recorder) hallucinating? (Pete Tutak, Seattle WA, 5/3)

It's just fantastic! Only a few hours after WORLD OF RADIO today I was able to hear the new Marshall Islands stn. I tuned in just past 0730 and hrd what sounded like a woman speaking in French. Then followed by a very long segment of talk in unID lang by a M. Then an hour of nice island mx, sort of like R Tahiti. Hrd no EG during this period. Arnd 0930 the Colombian s/on 4945 and there was a strong carrier on 4935 making reception difficult on my ageing ICF-2001. Finally at 0956 some time of choral anthem, M in verns w/ments of Marshall Is. 1002 EG ID & mentn of 3 fqs and callsign. Almost exactly as reported by Tutak. G-f w/ strength peaking arnd 0850-0915 and deteriorating when Col s/on (Tom Laskowski, South Bend IN 14/3)

Numerous other reports of this appear in DX LISTENING DIGEST. It seems that 6070 is used only before 0530, and 4940 after, so the former not likely to be hrd in NAM. Indeed makes it to ENAM, as hrd here around 1000\* several morns on 4940, tho poor (gh)

M A U R I T I U S MBC Channel One, Forest Side, multilingual 01-13 on 9710, 13-19 on 4855. Pgms include: 0155-0157 wx forecast in FR. 0157-02 nx in Hindi. 0230-0245 nx in Hindi. 0330-0350 nx in FR. 04-0415 nx in EG. 06-0603 nx in FR. 08-0805 Sat/Sun nx in FR. 0830-0840 M-F nx in FR. 0930-0945 Sun nx in Hakka, 0945-10 Sun nx in Cantonese; 0945-10 Tue & Thu nx in Hakka. 10-1010 Tue/Thu nx in Cantonese. 11-1105 M-F nx in Hindi. 12-1205 Sun nx in Hindi. 1355-1410 nx in Hindi. 15-1530 nx in FR. 1530-1545 Wed ag feature in FR. 17-1710 Sun-Fri EG nx from BBCWS. 18-1810 [sic] Sat nx in EG from BBCWS. 1855-19 nx in FR. Note: pgms listed in Hindi may be in other As langs, Gujarati, Marathi, Tamil, Telugu or Urdu (WBI 13/3)

M O Z A M B I Q U E R Mozambique, Maputo, Natl pgm: 0250-06 11818 7240 4866/4754 3210; 06-15 11818 9618 6165 7240 4866/4754; 15-2210 11810 9818=[sic] 7240 4866/4754 3210. All fqs subject to considerable variation; this sked shows basic weekday pgms; maybe some changes at weekends. Pgm Preview at 0255-03. Correspondents reports 0430-05 M-Sat. nx in PT: 03-0310, 04-0405, 05-0505, 06-0605, 07-0705, 08-0805, 09-0905, 1030-1045 Sun, 12-1208, 13-1305, 14-1405, 15-1505, 16-1605, 19-1907, 21-2108, 22-2205. A Date in History 0505-0515 M-Sat, repeated 11-1113. Exchange Rate pgm 0605-0610 M-Sat, repeat at 2108-2118. Radio Newsreel 1030-11 M-Sat. Moz Workers Organisation pgm 1510-1530. Newsreel 1730-18.

Maputo & Gaza Interprovincial Pgm, Maputo, 0255-2205 in PT/Tsonga on 7110 4924 3338 w/regional nx in PT 07, 13; other bulletins relayed from Natl Pgm; nx in Tsonga 0430, 09, 10, 12, 16, 19, 21.

Prov stns: all fqs subject to considerable variation; these may relay certain Natl Pgm nx bulletins. Sofala (Beira)-A 6025 3370; =B 9639 6090 3280. Nampula (Nampula) 7320. Cape Delgado (Pemba) 7150 4857. Zambézia (Quelimane) on 7145 4871.7 3320/3246.3 (WBI 27/2)

R Mozambique (RM) is name of organization, but R Maputo is name of svc (extl) --fqs subject to variation; only monitored fqs listed here; ea xmsn preceded by 10 mins of stn ID & anmts in PT, EG, FR, SH. 11-1130 on 11818 9525, 18-19 9620,

both in EG to Af including nx at 11-1108, 18-1808; "Indaba" current affairs pgm 1108-1130 & 1808-1830. Fqs are ancd as follows: 11-1130 11835 11820 9525; 18-19 4855 3265 (WBI 20/3)

NETHERLANDS ANTILLES

R. Lemke Trans World Radio, Bonaire, Neth. Antilles, Caribbean  
 St. Albert, High Frequency Transmitting Schedule-27 February 1987  
 Alta, CANADA

FINAL [M87] 01 March 1987 - 03 May 1987, TENTATIVE [J87] 03 May - 06 Sep 87

| Freq. kHz | mb | Time-Hora UTC/GMT | Time-Hora BONAIRE | Day-Dia UTC/GMT | Pwr kW | Azi Deg | Zones-Zona (ITU) | Target Alvo | Language Idioma |
|-----------|----|-------------------|-------------------|-----------------|--------|---------|------------------|-------------|-----------------|
| 6145      | 49 | 0655-0930         | 0255-0530         | Mon             | 50     | 170     | 12-16            | Brasil      | Portuguese      |
| 6145      | 49 | 0725-0930         | 0325-0530         | Tue-Sun         | 50     | 170     | 12-16            | Brasil      | Portuguese      |
| 6145      | 49 | 0930-1100         | 0530-0700         | Daily           | 50     | 170     | 12-16            | S. Am.      | Spanish         |
| 6180      | 49 | 0100-0200         | 2100-2200         | Daily           | 250    | 327     | 11               | Carib.      | Spanish         |
| 9535      | 31 | 0300-0530         | 2300-0130         | Sun, Mon        | 50     | 327     | 6-8              | N. Am.      | English         |
| 9535      | 31 | 0300-0430         | 2300-0030         | Tue-Sat         | 50     | 327     | 6-8              | N. Am.      | English         |
| 9535      | 31 | 0430-0530         | 0030-0130         | Tue-Sat         | 50     | 285     | 10,11            | C. Am.      | Spanish         |
| 9535      | 31 | 0920-1000         | 0520-0600         | Daily           | 250    | 148     | 13,15            | Brasil      | Portuguese      |
| 9535      | 31 | 1000-1030         | 0600-0630         | Daily           | 250    | 160     | 12-14            | S. Am.      | German          |
| 11815     | 25 | 1110-1257         | 0710-0857         | Mon-Fri         | 50     | 336     | 3s,4s,7-9        | N. Am.      | English         |
| 11815     | 25 | 1110-1332         | 0710-0932         | Sun             | 50     | 336     | 3s,4s,7-9        | N. Am.      | English         |
| 11815     | 25 | 1110-1405         | 0710-1005         | Sat             | 50     | 336     | 3s,4s,7-9        | N. Am.      | English         |
| *11875    | 25 | 2155-0030         | 1755-2030         | Daily           | 50     | 176     | 12-16            | S. Am.      | Portuguese      |
| 11875     | 25 | 0030-0218         | 2030-2218         | Daily           | 50     | 176     | 12-16            | S. Am.      | Spanish         |
| 15355     | 19 | 2325-2400         | 1925-2000         | Daily           | 250    | 160     | 12-16            | S. Am.      | German          |
| 15355     | 19 | 0000-0030         | 2000-2030         | Daily           | 250    | 160     | 12-16            | S. Am.      | Portuguese      |
| 15355     | 19 | 0030-0045         | 2030-2045         | Sunday          | 250    | 160     | 12-16            | S. Am.      | Spanish         |

\*11875 01 Mar-07 Mar 2255-0030 UTC. 08 Mar 2155 UTC s/on time.

TENTATIVE [S87] 06 September 87 - 01 November 87

| Freq. kHz | mb | Time-Hora UTC/GMT | Time-Hora BONAIRE | Day-Dia UTC/GMT | Pwr kW | Azi Deg | Zones-Zona (ITU) | Target Alvo | Language Idioma |
|-----------|----|-------------------|-------------------|-----------------|--------|---------|------------------|-------------|-----------------|
| 6145      | 49 | 0655-0930         | 0255-0530         | Mon             | 50     | 170     | 12-15            | Brasil      | Portuguese      |
| 6145      | 49 | 0725-0930         | 0325-0530         | Tue-Sun         | 50     | 170     | 12-15            | Brasil      | Portuguese      |
| 6180      | 49 | 0100-0200         | 2100-2200         | Daily           | 250    | 327     | 11               | Carib.      | Spanish         |
| 9535      | 31 | 0300-0530         | 2300-0130         | Sun, Mon        | 50     | 327     | 6-8              | N. Am.      | English         |
| 9535      | 31 | 0300-0430         | 2300-0030         | Tue-Sat         | 50     | 327     | 6-8              | N. Am.      | English         |
| 9535      | 31 | 0430-0530         | 0030-0130         | Tue-Sat         | 50     | 285     | 10,11            | C. Am.      | Spanish         |
| 9535      | 31 | 0955-1030         | 0555-0630         | Daily           | 250    | 160     | 14,15            | S. Am.      | German          |
| 9535      | 31 | 1035-1105         | 0630-0705         | Daily           | 250    | 148     | 12,13,15         | Brasil      | Portuguese      |
| 9655      | 31 | 0942-1100         | 0542-0700         | Daily           | 50     | 176     | 12,14,16         | S. Am.      | Spanish         |
| 11815     | 25 | 1110-1257         | 0710-0857         | Mon-Fri         | 50     | 336     | 6-8              | N. Am.      | English         |
| 11815     | 25 | 1110-1332         | 0710-0932         | Sun             | 50     | 336     | 6-8              | N. Am.      | English         |
| 11815     | 25 | 1110-1405         | 0710-1005         | Sat             | 50     | 336     | 6-8              | N. Am.      | English         |
| 15355     | 19 | 2325-2400         | 1925-2000         | Daily           | 250    | 160     | 12-16            | S. Am.      | German          |
| 15355     | 19 | 0000-0030         | 2000-2030         | Daily           | 250    | 160     | 12-16            | S. Am.      | Portuguese      |
| 15355     | 19 | 0030-0045         | 2030-2045         | Sun             | 250    | 160     | 12-16            | S. Am.      | Spanish         |
| *15385    | 19 | 2155-0030         | 1755-2030         | Daily           | 50     | 176     | 12-16            | S. Am.      | Portuguese      |
| *15385    | 19 | 0030-0218         | 2030-2218         | Daily           | 50     | 176     | 12-16            | S. Am.      | Spanish         |

\*15385 replaces 11875 (used previously). UNDERLINING NOTES A CHANGE.

SWL Clubs & Publications: This schedule & Info may be reprinted.

TWR Monitors: Please report, Using SINPO Code on broadcasts to your area.

"ID" of QRM by NAME, CALL SIGN or LANGUAGE is helpful.

RTM Monitores: Favor relatar, usando o código SINPO nas transmissões à sua área. A identificação da interferência por NOME, IDIOMA ou SIGNAL AJUDA.

Por favor, use el código SINPO en transmisiones a su area. Identifique la interferencia por su NOMBRE, IDIOMA o SIGNOS DE IDENTIFICACION, esto ayudaria mucho.

Other SW Radio Stations: We would appreciate receiving one (1) copy of your H.F. Transmitting Schedule as it is published.

73, *Chuck Roswell* Chuck Roswell, Frequency Coordinator

PAKISTAN Latest R Pak sked shows slow nx in EG: 0230-0245 11745 15115 5010 15580 17660 to S&SEAS, 11-1115 15606 17660 Eu, 1615-1630 11625 15122 E&SAf, 7385 9465 9785 11800 ME (Craig Seager, RA JP DX Time 22/3)

BBCMS agrees except 11-1120, and there's regular EG to ME/Af 16-1615 on same fqs. Also EG from DS during Urdu to Eu 08-0803 & 1005-1010 on 17660 and 15606. And Urdu/EG svc to Eu on 9560 7100 1645-1900 incl E G comtry 1720-1730 (WBI 20/3)

P A P U A N E W G U I N E A RA Melbourne reported 12/2: An enquiry appointed by the PNG govt has recommended allowing expansion of TV in the country. The report of the Board of Enquiry headed by Sir Kwamala Kalo says two commercial stns should be allowed to op nationally, using satl technology. It says they should be complemented by a state-owned public svc stn opd by NBC. PNG's first TV stn, the commercial Natl TV Net, began bcing in PM last month after overcoming a legal challenge by the govt which opposed early intro of TV. The reports also recommended a bcing tribunal be established, ads be limited to 10 mins an hour w/none on Suns, and limiting comml bcs to about 5hpd. Other recommendations incl consideration being given to introing comml radio, licensing video tape distributors, and strengthening censorship powers and provision being made for low-powered community radio stns (WBI 20/2)

P A R A G U A Y La Tarde, Asunción, reported 5/3: after a 90-day suspension ordered by its dir Humberto Rubín, R Nandutí will be back on air 14/4. RN suspended bcs because of jaming of its ads and other pgms. This jamming caused stn's economic collapse and put 50 employees, who are now collecting virtually no pay, out of work... Rubín has ancd that 'we are in a state of complete uncertainty, but we intend to be back on the air on 14/4 and we expect that there will be no heavy jamming'. Asked about payment of salaries to Nandutí employees Rubín said: "We have been paying our personnel in instalments out of our meagre resources." The nx dept of RN has been working thruout the 90-day suspension period drafting daily reports and conducting ivs... (WBI 13/3)

P E R Ú [Cf Feb LN-38] unID LAm repth by Max Greenwood on 4942a arnd 1030 is most likely R Abancay on 4941.8, ex-4934, per Pedro Arrunátegui in Lima (Ernie Behr, Ont, 14/3)

AFP reported 19/2: Guerrillas of the Tupac Amará Rev'ly Mvmt (MRTA) today took over 6 radio stns in Lima to bc a msg denouncing militarisation of Perú and accusing the Shining Path of provoking the govt to justify and legitimise its repressive actions. Recording, lasting 5 mins, read by W after the armed guerrillas, 4 or 5 men and a woman, neutralised the radio stns' personnel and planted explosives, threatening to blow them up if they called police. Takeovers were conducted simultaneously at noon in the R Mar, Radio R700, R Star, R Omega R Comas and R Cadena stns. Police have said they captured 2 of the terrorists in possession of pistols and dynamite sticks when they were fleeing from one of the stns... (WBI 27/2)

P H I L I P P I N E S Repro of R Veritas M87 sked shows EG at 15-1530 on 9710 but at 1430-15 on 15215. These used to be both at 15-1530, and we wonder if a mistake was made in typing the sked; the adjacent Bengali before EG on both also is a half-hour out of step. Other EG: 0130-02 on 15135 15275 (gh, from UADX)

P O R T U G A L IBRA, 9685, at 1900 w/EG ID "This is IBRA Radio, Portugal" betw lang changes. Fair on 28/2. Blocking a shot at Tanzania prior to its 1917\* (Richard A D'Angelo, Wyomissing PA)

RDP International, in EG: Tue-Sat 0030-01 Am 9680 6095. Tue-Sat 03-0330 Am 9705. 16-1630 M-F ME/As 15245. 1730-18 M-F Af 15250 11915. 2030-21 M-F Eu 11795 9740. Portuguese ES: 0130-03 Am 9705 6060. 06-08 M-F Eu 9740 6130. 09-11 Sat/Sun Eu 11800 9740 6100. 09-10 Timor 15225. 10-12 M-F Af 21700 15265 15250 =to 1100. 11-13 Sat/Sun Eu/Af 15265 11800 9740 6100=to 1245. 11-13 M-F Eu on 11800. 13-14 Sat/Sun Eu/Af/Am 15265 11800 9740 7165=Sun only. 13-14 M-F Af on 15250. 14-18 Sat/Sun Eu/Af/Am 15285 15265 15250 11800 9740 7165=Sun only. 15-16 M-Sat ME/As 15245. 17-20 M-F Eu 11795 9740. 1800-2000 Sat/Sun Eu/Af 15250 =from 1815 11915 11840=from 1815 11795 9470[sic] 7205=from 1815. 18-20 M-F Af 15250 11915 11840. 22-24 LAm 11840 9635 9600. 23-2430 NAM 9680 6095 (WBI 13/3) On public holidays and spl occasions, RDP often carries continuous mx or extends sked pgms on certain ES channels outside normal pgm times (ibid.)

S A I P A N As soon as eqp repaired, KFBS will start temporary tests on 7365 at 15-1930 w/Russian lang; via spl ant directed to Eu. FEBC Netherlands has a long term aim to bc spl pgms for gypsies in Eu, and this is a try to reach Eu from Saipan. Detailed reception reports from Eu DXers required to P O Box 455, 3700 Al [sic] Zeist, Netherlands. Audible 15-16 w/reliq songs & anmts (Marcel Rommerts, Neth, Mar DSWCI SWN) Pak uses 7365 1315-1545, 16-1630, 17-18, 1915-2015 (Noel Green, DSWCI ed & R Pakistan insider) Bizarre

# FEBA RADIO SEYCHELLES

## FINAL M87 FREQUENCY SCHEDULE 1 MARCH 1987 TO 2 MAY 1987

| Frequency(kHz)       | Time UTC   | Azimuth                                   | Power (kW)                   | Zones                               |
|----------------------|--|---|------------------------------|-------------------------------------|
| 6880                 | 1827-1845 (1900 Sa,Su)   | 220 B                                     | 75                           | 53,57                               |
| 7275                 | 0127-0200  | 040 B                                     | 100                          | 41                                  |
| 7275 (11790 29/3/87) | 0200-0232<br>0232-0248   | 040 B<br>040 B                            | 100<br>100                   | 41<br>41                            |
| 9510 (9725 23/3/87)  | 1612-1658<br>1658-1715 (1730 W-Su)                                     | 280 B<br>340 B                            | 100<br>100                   | 48,52,53<br>48                      |
| 9510                 | 1731-1833  | 280 B                                     | 100                          | 47,48                               |
| 9595                 | 1458-1612 (1625 W-F)   | 040 B/040 N                               | 100                          | 41                                  |
| 9610                 | 0311-0358<br>0358-0430 (Sa-M)<br>0358-0430 (Tu-F)<br>0430-0502 (Sa,Su) | 280 B<br>340 B<br>280 B<br>280 B          | 25<br>25<br>25<br>100        | 48,52,53<br>47,48<br>47,48<br>52,53 |
| 9730                 | 0200-0248  | 040 B                                     | 25                           | 41                                  |
| 9745                 | 1627-1730  | 208 N                                     | 75                           | 53                                  |
| 9770 (7275 29/3/87)  | 0157-0231  | 040 B                                     | 100                          | 41                                  |
| 11720                | 1227-1400  | 040 B                                     | 100                          | 41                                  |
| 11790                | 0248-0306 (0311 Th-Sa)<br>0358-0430                                    | 028 N<br>340 B/280 B                      | 100<br>100                   | 40,41<br>47,48                      |
| 11810                | 0311-0358  | 280 B                                     | 100                          | 48,52,53                            |
| 11820                | 1612-1659  | 280 B                                     | 25                           | 48,52,53                            |
| 11860                | 1731-1833  | 328 N                                     | 25                           | 47,48                               |
| 11865                | 0257-0330 (0340 Th,F)<br>1400-1459<br>1458-1512                        | 352 N<br>040 N<br>040 B                   | 100<br>100                   | 40<br>41                            |
| 11895                | 1252-1400<br>1658-1715 (1730 W-Su)                                     | 040 B<br>280 B                            | 100<br>25                    | 41<br>48                            |
| 15115                | 0712-0850 (Su only)  | 040 B                                     | 100                          | 41                                  |
| 15300                | 0342-0430 (0445 Su, 0500 F)  | 340 B                                     | 100                          | 38-40,48                            |
| 15325                | 1227-1300<br>1300-1315<br>1330-1400<br>1400-1458<br>1515-1611          | 040 B<br>052 N<br>052 N<br>040 N<br>040 N | 25<br>25<br>25<br>100<br>100 | 41<br>41<br>41<br>41<br>41          |
| 15405                | 1057-1145 (1200 Su,Th,F)   | 340 B                                     | 100                          | 38-40,48                            |
| 15415                | 1233-1251  | 040 B                                     | 100                          | 41                                  |
| 15430                | 0912-1090 (0930 T,M, 0945 Th)<br>1000-1015 (Sa only)                   | 220 B<br>208 N                            | 75<br>75                     | 53<br>53                            |
| 17785                | 0712-0850 (Su only)  | 040 B                                     | 100                          | 41                                  |
| 17855                | 0557-0700 (F only)   | 340 B                                     | 100                          | 38-40,48                            |
| 17875                | 1057-1145 (1200 Su,Th,F)   | 340 B                                     | 100                          | 38-40,48                            |

B: Indicates broad beam of 68 deg at 6dB points.  
N: narrow 36

CABLE: FEBCOM  
SEYCHELLES  
TELEX: 2287 FEBCOM SZ

FEBA Radio  
PO Box 234  
Seychelles.

10/02/87

WNC/oca

faché.087 188 m10 c132

(via gh)

**SLOVAKO CZECHIA** R Prague to reorganise ES from 3/5; as ancd 8/3: Flooded by listener comments on plan to extend EG to Eu from 27 to 60 mins; will be 19-20 along with 18-1830 & 22-2230. R Prague ancd 9/3: 18-1830 5930 7345, 19-20 5930 7345, 22-2230 6055 1287. Hour-long bc'll help extend nx and some popular features, and devote more air time to pgms based on listener reqs, comments, suggestions, queries. NAM svc not affected by this. (WBI 13/3)  
 [BBCMS ed note: presently 1630, 19, 20, 2130 for half hours, so no change in output, but other lang svcs will have to be altered to accomodate this]

**SOUTH AFRICA** R RSA in EG: 02-03 Am 9615 6185 6010. 03-0430 Af 9585 7270 5980 4990 3230. 0630-0730 Eu/Af 15245 11900 9585 7270. 11-12 Eu/ME/ Af 21590 15230 9585. 13-16 Eu/ME/Af 21590 17780 9585. 21-22 Eu/Af 11900 9585 7270. DX Corner Sun 0650-07, Mon & Thu 1303-1315 (WBI 6/3) R RSA ancd 5/3: 1100-1458 now on 21590 17780 9585; 15-1556 we shall cease 21590 and use new 15183 [sic], for Wf/WEu (WBI 13/3)

SRI LANKA

S.L.B.C. OVERSEAS TRANSMISSION SCHEDULE - EKALA

| IX.               | SERVICE  | FREQUENCY            | TIME UTC.   | METER BAND   | ZONES OF RECEPTION                     |
|-------------------|--|----------------------|---|--------------|--|
| MARCONI<br>100 Kw | ALL ASIA-ENGLISH<br>(INDIA)                      | 9720 KHz             | 0030 - 0430<br>1730 - 1600  | B M          | 41                                     |
| SIEMENS<br>100 KW | ALL ASIA HINDI<br>(INDIA)<br>MIDDLE EAST SERVICE | 11800 KHz            | 0030 - 0430<br>0630 - 1730<br>0430 - 0630 (Sundays<br>only)<br>1645 - 1815<br>1845 - 1845 (Friday only) | 75 M<br>75 M | 40, 41, 47, 43.<br>39                  |
| COLLINS<br>35 KW  | EXTERNAL SERVICE<br>(AUSTRALIA)                  | 11825 KHz            | 1030 1130   | 75 M         | 49, 50, 51, 54, 55,<br>56, 58, 59, 60, |
| COLLINS<br>35 KW  | EXTERNAL SERVICE<br>(FAR EAST)                   | 15170 KHz            | 1030-1130   | 19 M         | 33, 34, 35, 43, 44,<br>45,             |
| COLLINS<br>35 KW  | EXTERNAL SERVICE<br>(SOUTH EAST ASIA)            | 17850 KHz            | 1030 - 1130   | 16 M         | 49, 50, 51, 54.                        |
| PHILIPS<br>10 KW  | ALL ASIA HINDI<br>(INDIA)                        | 7190 KHz             | Weekdays & Saturday<br>0030 - 0430<br>0430 - 0630 (Sunday)<br>0630 - 0730 (weekdays<br>& Saturday)      | 41 M         | 41                                     |
| PHILIPS<br>10 KW  | ALL ASIA ENGLISH<br>(SOUTH INDIA)                | 6005 KHz<br>6075 KHz | 0030 - 0430<br>1230 - 1600  | 49 M         | 41                                     |
| COLLINS<br>35 KW  | ALL ASIA ENGLISH<br>(INDIA)                      | 15425 KHz            | 0030 - 0430<br>1230 - 1600  | 19 M         | 40, 41, 42, 43,                        |

UDX 121-125/2

**SURINAM** R Surinam Intl, ancd 2/3 in Monday Night Letterbox pgm in EG: in the 2nd half of this year we plan to start bc'ing in SP w/the nx. Presently DT & EG pgm, incl nx is pre-recorded; not able to make live bcs. Since Aug 86 bc'ing Mon-Fri; pgms recorded abt 2 hrs before xm'n time, giving us enough space to send the pgm to Brazil. Goes from Paramaribo studio thru phone lines to Radio-brás. This is happening every day on the average one hour before bc w/250 kW. [BBCMS note: RSI relayed by xmtr nr Brasília on 17755 weekdays 17-1745] (WBI 13/3)

**TANZANIA** RT, 9684, 0348-0407 16/2, generally P but faded up to fair periodically. No jammer; one has been present on this fq for quite some time of late. Tribal mx to 0359 ID, "5+1" timepips and nx. ID at 0405 "This nx comes to you from the External Svc of R Tanzania" (Richard A D'Angelo, Wyomissing PA)

**THAILAND** Several Thai MW stns give out spurs on 2nd harmonic; very low powered but owing to higher fq they might give better reception than their MW parents: 1872, typical Thai ads and songs; 3 stns listed for 936, all 10 kW, Chiang Rai, N Rajchasiima, N Si Thammarat. 1936 kHz, Thai talk by W ancr and typical modulation at 1230. N Rajchasiima listed [gh's old stomping grounds]. On 2538, Thai talk and ads at 1234; listed on 1269 is Songkhla 20 kW; among others (Supratik Sanatani & Prodyut Bannerjee, Chandipore, India DX-pedition, some-time in 1987, IDXCI ADXR Feb)

■ Thailand, 9655.5, \*1130 EG daily w/ G 333 sig (Kanwarjit Sandhu, Ludhiana, India - Feb IDXC1 ADXR)

U S S R R Tallinn, Estonian SSR; rcvd QSL card in 69 days, text in EG; front shows The club and schoolhouse of Painu German Society; also enclosed pgm sked in local time UTC+3 [now UTC+4]. First pgm: 1035, 1215, 1332 kHz; in Estonian 0530-2405 exc 07-0715, 2350-24 when relays Moscow nx. Nx bulletins 0545, 0645, 0730, 08, 09, 11, 12, 14, 15, 16, 1830, 2130, 23. On 1332 & 1215 nx also relayed from Moscow, 12-1230. 1215 1332 and 1512 kHz Estonian. Russian 1230-14.

2nd Pgm on 711 and FM: Estonian 12-2430; nx 12, 14, 15, 16, 1730, 1830, 2130.

3rd Pgm on FM only 1530-23. Foreign svc on 1035 & 5925: in Finnish on weekdays 1215-13 & 19-1930; Sundays 11-12. In Swedish 0005-0035 weekdays, 12-1230 Sundays; in Estonian 0035-0105 for Ests abroad. Summer time runs Apr 1 to Sept 30 (Roland Schulze, Stuttgart, FRG)

Tbilisi, Georgian SSR, fair on 5040 25/2 1310 w/RS vocals (Christos Rigas, Chicago IL) R Moscow, VP on 4010 25/2 1259 w/RM IS, into unID As lang (Rigas)

Kazakh R First Pgm, Alma Ata: 2358-2000 in Kazakh & Russian in 1950 9780 6180 5970 4545 incl lots of relays of R Orbita-4, incl all major nx bulletins. German is sked Sat 0515-06 w/nx and features, and Tue-Fri 08-0830. Korean Sun 08-0830. Kazakh R Shalkar Pgm, Alma Ata, 2358-1800 on 9505 5960 5260 5035 in Kazakh exc Uighur nx at 04; Russian Radio Rural Life 10-12.

Kazakh Telegraph Agency (Kaztag), Alma Ata, on 13810 9090 7565 M/W/F 0730-0830 Kazakh, 0845-0930 Russian; both nx at dictation speed for lcl newspapers. All time one hour earlier during summer (WBI 20/2)

R Moscow NAM svc DX pgm 16/2 said there would be a new MW stn in Moscow soon, rebcing some RM ES SW pgms in GM, FR, JP and others for tourists and forners living in Moscow (WBI 20/2) Already RMWS in EG on 918 (WBI ed)

Monitoring 14/2-2/3: On 14/2, RM genl svc in SP to LAM and it'd be adding extra hour of bcng at 02-03; found 24/2 on 9710 9610 7390 7370 7360 7280 7250 7175 7105; an existing pgm for Cuba at that time continued; w/same initial 10-min nx but with a slight delay. Since 1/3, new hour to LAM obs on 9785 9710 9610 7390 7370 7320 7250 7200 7105. W/intro of this, RM now in SP to LAM continuously 23-05 w/regional svcs for Cuba 0030-01, 02-03; Chile 21-22, 0230-0330. 27/2, RM and it'd be bcng new xmsn in GM from 2/3 0530-0630; found on 12010 9450 7420 7360 7230 1323. Increases RM weekly output in GM to 49h, not incl daily 30-min bc from RSP&P; first time RM had early morn svc in GM since 1969 (WBI 6/3)

Monitoring 17/2-9/3: On 17/2, 18/2, 19/2, All-Union R 24h mx and nx pgm Mayak hrd bcng in a new format 0300-0707, morn mx and nx panorama titled From 6 to 10. Tho nx still every half hour, whole svc of mx and nx presented in a more informal and conversational style w/2 presenters backed up by "a team of AUR journalists and our correspondents at home & abroad". At end of pgm, referred to calls from listeners, incl one lady who tho the mx was too depressing; since 2/3, this has become a daily weekday svc; a similar one, From 9 to 13, now weekends 06-10 (WBI 13/3)

RM in EG to GB&I 14/3 Moscow Mailbag replied to listeners' questions about jamming. Said USSR wasn't first, but Austria to use jamming, vs Nazis in 1938. Said an international convention adopted in 1936 allowed jamming against radio propaganda aimed at undermining a sovereign state's political system. Referred to another intl convention in early 70s establishing legally the right of any state to interfere w/bcng undermining natl security, offending people's feelings. Thus justifying jamming against RFE, CIA-front. Recently as sign of goodwill, stopped jamming RS from BBC (WBI 20/3)

U S A WCSN, Scotts Corners ME, starting on-air testing 16/3 arnd 1700 on 15225; several other test fqs were used, not the same as those for pgming, planned to start 30/3: 16-18 15270 (15280 until 4/4), 18-20 21640, 20-22 9465, 22-02 7365, 02-04 9465, 04-06 9840, 06-10 7365, 10-12 17640. Mainly nx Mon-Sat before 2400; religion afterwards and all-day & night Sunday (gh)

Look for WORLD OF RADIO one hour earlier by UTC due to DST: Fri 1930 on KCBI, UTC Sat 0300 on WRNO, Sat 2330 on WRNO, Sun 1300 on WRNO, Sun 1730 on KCBI. At deadline, any fq changes not known; KCBI has been on 11735 only since 1/3. WRNO fqs have been 6185, 7355 and 9715 resp; the middle one might change to 9 MHz (gh)

U R U G U A Y R Monte Carlo, 11735, hrd in SP at 1945, F sigs, French QRM from 11740. Slowly improving to moderate by 2030 when fade began. 1945 ads for Blow

Up--some kind of soft drink?, DJ and pop mx; phone iv w/M mentg football. Lots of Braz stns also hrd on 11 and 9 MHz. Our propagation man Prodyut Bannerjee tells me there is a peculiar seasonal path 1930-2130, 'Tropical connexion' because the estimate path, as calculated from MUF charts, runs over the tropical bands [of the earth?]. This phenomenon is so pronounced that during this period you will hear nothing in the band (except for a BBC) but the SAMs and it's like tuning in the FM bands. Just when the 25/31mb channels [from elsewhere] begin to fade the tropical band SAM fqs appear. That's because the MUF is falling with time (Supratik Sanatani & Prodyut Bannerjee, Chandipore, India DX-pedition 1987, Feb IDXC1 ADXR)

V A T I C A N VR reported 8/3 in Polish: From Mon 9/3 tfn, eve pgm not on SW 9645 in connexion w/overhaul at xmtr site. Listen on remaining 41m, 49m fqs and MW 1530 (WBI 13/3) 9645 sked 1815-22 (WBI ed note)

V E N E Z U E L A R Nacional on new 11862 at 0135 22/2 in EG & SP rock vocals & some anmts. Error? // 5020, SIO 322; 11862 strong (Richard A D'Angelo, Wyomissing PA) Guess no error, since has stayed there ex-11852 (gh)

**CLANDESTINE CRANNY** R Venceremos, hostile to El Sal govt on behalf of FMLN, found at 1830 2/3 on 6836 and 6596 //, to 1935\*. R Ven and it bcs on 2 SW fqs in 40 & 80 mbs and often obs in // on both its 3 and 6 MHz fqs (WBI 6/3) Now hrd on up to 5 // fqs; monitoring 3-6 Mar: 6/3 obs at 1200 in // on 6610 6360 3833 3787 3180, and at 1800 on 6834 6610 6383. The 00 & 02 bcs continue hrd on one fq in 40 or 80mb or on 2 fqs, one in each band (WBI 13/3)

The Voice of the UNO, (United Nicaraguan Opposition), Spanish: LV de la UNO, was first hrd at Caversham 3/2/87 but is thot to have been in existence for some months. Pgms hostile to Nic govt, 02-03 on 5889v (WBI 13/3) Right

La Voz del Sahara Libre, QSL letter dated 12/1/87 for 24/11/86 reception on 15215 [from Algeria] at 2201-2258, v/s Ali Moukhtar, Primer Secretario; letterhead is Embajada de la República Árabe Saharaui Democrática, in Caracas (via Gabriel Iván Barrera, March DSWCI SWN) Note spelling; so that's what they're saying. No further address given (gh)

Radio SPLA was first hrd in tests 18/10/84; regular pgms began 2/11/84 from xmtr in Addis Ababa, Ethiopia. Svc in Sudanese verns introed 15/6/85. R SPLA material in AR also began to be bc on 5/2/85 from xmtr in Libya on 17940, which also carried V of the Sudanese Popular Revolution svc; this was withdrawn in Apr 1985 when Pres Numayri of Sudan was deposed. Since Sept 1986, R SPLA xmsns have been shadowed by a hostile bc calling itself the Sudanese People's Armed Forces Pgm--see next entry; both stns use the same signature tune. R SPLA on 11710 and 9550 --11-12 multilingual in Bari, Dinka, Latuka, Nuba, Nuer, Shilluk; 13-1330 EG, 1330-14 AR (WBI 20/2)

Sudan People's Armed Forces Programme was first monitored 25/9/86. Since then it has either caused interference to or 'shadowed' R SPLA (above). SPAFP is hostile to the aims of R SPLA. Supports Sud armed forces and has its pgms prepared by the 'Moral Guidance Branch' xmtrs probably near Omdurman, Sudan: 12-13 in AR on 11710=irregular, and 9550 (WBI 20/2)

V of the Libyan People Monitoring 16-18 Mar: This stn, hostile to Libyan govt in support of the Natl Front for the Salvation of Libya, currently obs 06-07 on 11825, 15-16 on 17960, 21-22 on 11825, all in AR. Ancs it bcs 07-08, 16-17, 22-23 Libyan time (06-07, 15-16, 21-22 gmt) on 11825; however this fq only obs for the 06 & 21 xmsns. VOLP first hrd Sept 1982 from Sudan xmtr; these bcs continued until Pres Numayri was deposed in Apr 1985. In June 1985 radio resumed opns from xmtr believed in Iraq. However, aerial bearings on 17960 indicate this fq may be from xmtr in the south of Chad (WBI 20/3)

V of the Broad Masses of Eritrea, hostile to govt of Ethiopia and describing itself as voice of the Popular Front for the Liberation of Eritrea, hrd \*1430 in AR on 10/3, 11/3, 12/3. Ancd it was on 80, 75, 60, 49, 42, 41, 31, 19m and was monitored on 14324, 10010, 7490, 7050, 6297, 3940. VOEME currently obs also on 14320-14330v: 0430-05 Tigriana[sic], 0530-06 Sun/Tue/Thu Amharic, 15-1530 & 18-1830 Tigriana[sic] (WBI 20/3)

Our Radio (Turkish: Bizim Radyo) supports Turk Communist Party and is closely linked w/V of the TCP, with whom it shares a xmtr and addr. Our Radio first hrd 21/3/58; gives addr as Box 16-367, S-103 27 Stockholm, Sweden. Some xmsns (I) emanate from xmtr believed to be in GDR and these will be hrd one hour later during winter time. Remaining xmsns (II) are believed to emanate from a xmtr in Romania; they are not affected by any change to winter time.

Our Radio (I) on 9584.3: 02-0250, 03-0358, 06-0650, 07-0750, 08-0850, 11-1150 & 15-1550. and on unconfirmed 6200 at 19-1950.

Our Radio (II) on 9500 at 1015-1045 & 1445-1515; 5915 at 20-2030 & 2030-21 (WBI 20/2)

V of the Turkish Communist Party During winter time, all xmsns will be hrd one hour earlier than shown. BCs called V of the TCP (Turkiye Komunist Partisinin Sesi) were first hrd in Jan 1971, tho similar monthly xmsn aimed at Turkish workers in W Germany by the pro-commie Free Stn 904 began in 1968. SW svc from xmtr believed to be in GDR introed 15/12/74. A twice-weekly bc on MW from GDR is thot to have been discontinued before 23/11/78. V of the TCP bcs on behalf of the CP or Turkey and is closely linked w/Our Radio (Bizim Radyo) w/whom it shares a xmtr and addr [as above]. unconfirmed at 04-0450 & 05-0550 on 9584.3. On 9584.3: 09-0950, 10-1050, 12-1250, 13-1350, 14-1450, 16-1650. On 6200 at 17-1750, 18-1850, 20-2050, 21-2150 (WBI 20/2)

V of Iranian Kurdistan Monitoring 18/2: stn bcng pgms hostile to Iranian govt in support of the Iranian Kurdish Democratic Party, hrd 18/2 1320 on 4147; const-antly changing fq to avoid QRM, to 4065 by 1415 (WBI 27/2)

Voice of the Liberation of Iran Monitoring 14-20 Feb: stn w/pgms hostile to Khomeyni and govt of Iran from xmtrs believed in Egypt, ancd 1630 14/2 that "henceforth, VOLI will be called Kaviyani Banner Radio [Persian: Derafsh e Kaviyani Radio] and 'll continue its struggle against the rule of tyranny, ignorance and crime in this name." Since 15/2, has IDed in EG as Iran's Flag of Freedom Radio, but in Persian as the Voice of the Kaviyani Banner of Iran Radio (Persian: in RADIO SEDA-YE Derafsh-e Kaviyani Iran AST). [caps as given -gh]. In future, stn'll be referred to in WBI as Iran's Flag of Freedom (Kaviyani Banner) Radio (WBI 27/2) Persian for old name was Seda-ye Jebhe-ye Nejat-e Iran, first monitored 23/6/83, but may have been on air since at least 21/3/83. 14/2/87 made change above... Stn is pro-monarchist and hostile to Khomeyni and Ir govt. Anmts are also made in EG & FR. Items in Azeri are also carried. 0330-0530 exc Sat repeating previous evening's bc, on 15555 9027; 1630-1830 on 9027 7080 daily. (WBI 6/3)

Free Voice of Iran and Radio Iran which share Iraqi xmtrs were obs 23/2 15-16 & 1330-1430 resp on 7215 and 5960 (WBI 27/2) Radio Iran, first hrd 20/6/80 in support of Shapur Bakhtiar thru R Baghdad facilities, is now referred to in stn anmts as the First Pgm. What is now called the Second pgm first hrd 7/7/82 ID-ing as the Voice of Iran. It is thought to bc from Egypt; it changed name to R Iran on 3/1/84 and subsequent anmts have referred to both R Iran svcs. R Iran describes itself as the radio of the Natl Resistance Movement of Iran and ancs addr of R Iran, c/o C.B., 17 Boulevard Raspail, 75007 Paris, France. Fqs subject to variation. R Iran First Pgm 1330-1430 7215v 5960v; repeated at 04-05 on 7220v. R Iran Second Pgm at 1830-1925 on 9400 and a 7 MHz channel, repeated at 0230-0325 on 15650 9400; all in Persian to the ME (WBI 20/3)

R Iran Toilers Monitoring 15/2: pgms in Persian supporting Iranian Tudeh Party from xmtrs thot to be in Afghanistan, traced on 6230 at 1530-1630 & 1630-1730. Xmsn // 10870 & 4775; 6230 was previously used to carry R Iran Toilers as well as 2nd pgm of R Afghanistan and was last hrd in Sept 1984 (WBI 20/2)

RIT in Farsi, communist stn opposing regime of Ayatullah Khomeini, hrd 0230-0330 F on 10870 and 6230; other channel 4775 cannot be hrd in morns here but feeble sigs audible for 1530-1630 xmsn; at this time 10870 suffers severe het from unID Farsi speaking stn already in this channel at 1530 (Supratik Sanatani, India, Feb IDXCI ADXR)

V of the Crusader (Persian: Inja Radio Seday-e Mojahed Ast) bcs on behalf of the Mojahedin-e Khalq (crusaders of the masses) organisation, hostile to Khomeyni and the govt of Iran. Tho not obs until Nov 1981, existence of this first mentd

in July 1981 by V of Iranian Kurdistan, w/whom it may have some connexion. Some pgms also bc in Kurdish. Since Jan 1987, V of the Crusader obs on several occasions during the 17-20 period on 1539 & 1431 kHz, fqs which also carry the Persian svc of R Baghdad. They were lagging behind HF channels by several secs. Fqs vary constantly to avoid interference. Xmsn times also variable. 05-09, 11-14, 17-20, 20-23, and ancd at 03-05 on 7110 5965 4430 3930 3515; also via R Baghdad 07-09 on 7215 7140 5960; all in Persian to ME (WBI 27/2)

V of the Feda'i Monitoring 2/3: stn bcng in support of establishment of a PDR in Iran was found at the start of its 17-1745 xmsn on 4250; s/on w/song called "Fedá'i, Fedá'i" followed by the "Internationale" (WBI 6/3)

V of Unity, V of Muslim Mujaheds of Afghanistan, in Pashto hostile to the Russian presence on Afghan soil, is on 11490 9905 9215 0130-0230 & 1530-1630. 9215 in the morning and 9905 in the evening are jammed by Soviets (Supratik Sanatani, Calcutta, Feb IDXCI ADXR) Tent. on 9905 0156-0213 15/1 in Dari?, Isl mx, 0203-0208 nx, and at 1557-1625 same day, Dari? nx, native mx, 1625 IS before s/off, both 34333 (Kenji Hashimoto, Japan, DSWCI SWN)

V of Tamil Eelam, of the Tamil Eelam Communist Party, is a Tamil separatist stn hostile to the SL govt in Colombo. First monitored 6/11/86 tho stns with this name have been known to exist since latter half of 1983. Evidence of other stns IDing as VOTE, one of which appears to be hostile to the genuine stn. Both operate similar skeds. 0430-0520 Tamil, 0520-0530 EG on 9705; 1330-1420 Tamil, 1420-1430 EG on 7010 (WBI 6/3)

Patriot, Delhi, reportd 6/3: A powerful SW xmsn emanating from Sri Lankan territory has started increasingly vociferous 'pro-Khalistan' bcs. Meant for "North Indian listeners," pgm of about 2h duration daily is in Punjabi & EG. Over last few weeks, bcs concentrate on 'historic importance of Gen A.S. Vaidya's assassination...contributed handsomely to the cause' [as published]. Xmsn on 7010, 9705, 9675, 9560 are in morn and late eve hours. Cland bc on 7010 is a clear intrusion into the radio hams' bands, where no other [sic] bcng activity is allowed. Xmsn calls itself V of Tamil Eelam. Already exists a stn of same name, considered vy popular and of older version. However, there is no similarity whatsoever betw the contents of the two bcs. While the pro-Khalistan bcs primarily engage in spreading anti-India sentiments, the older clandestine activity is more in tune to its name, and has been bcng items concentrating on the ethnic issues in the island. What has given credence to the fact that the 'pseudo' voice is operating from SL terr is that this radio activity overcomes jamming from Eelam militants. Comms experts and experienced 'hams' believe that this pirate stn is using SLBC's xmtg facility at Ekala near Colombo which is eqpd w/ two 100 kW and three 35 kW xmtrs, adequate enough to reach North India [see published sked a few pages back]. The first indication of the hostile radio pgming targeted to N India was confirmed when in Jan last, listeners monitored the anti-India bcs in Mhow in Madhya Pradesh (WBI 20/3)

VOTE, 7010, w/nx in EG hostile to India, almost daily on this outlet; at 1420, SIO 333; sometimes using 9705, last hrd 14/1 (Kanwarjit Sandhu, Ludhiana, India, Feb IDXCI ADXR)

V of Burmese People per recent press reports, Burmese govt troops are mapping [sic] up remnants of a communist guerilla force after a fierce two months' fight to retake control of a town near the border w/China. Reuter datelined Rangoon 13/1 that two light infantry divisions have consolidated control of Kyuhkok town and two nearby mtn outposts which were retaken from a 1500-strong Burma Communist Party (BCP) force. The northeastern town which had been in hands of the BCP since 1970 and the mtn camps at Hsi Hsi Wan and Ta Pang have been captured by govt forces. BCP with three other ethnic rebel groups had broken a tacit 16-yr truce and launched a surprise attack to drive govt troops off Hsi Hsi Wan and Ta Pang in mid-Nov. Rangoon's counterattack killed 591 BCP-fighters at the cost of 175 of its own men in two months' arduous fighting across rugged mtns over 1200m high and covered by almost impenetrable jungle. However the rebel stn is hrd regularly on 5110v at 1230-1330v, heavily jammed by govt (Sarith Weerakoon, Sri Lanka, Dec-Feb Union of Asian DXers)

V of Democratic Kampuchea, of Khmer Rouge, (Cambodian: Samleng Kampuchea Pracheathipatei) bcs in support of the former Khmer Rouge regime; first obs

16/1/79, Xmtrs believed to be in PR China. 04-05 17680 15110. 09-10 11870 11695 9920 8345=SSB. 13-14 15360 11675 5250 4130. 2330-2430 9440 8345 7350, all in Cambodian to Asia (WBI 6/3)

V of the Khmer, (Cambodian: Samleng Khmer), of the Khmer People's NLF, started expl MW bcng from Camb/Thai border area 15/1/84. SW started Oct 1985. Describes itself as a non-communist natl Cambodian bcng stn in the liberated zone of Cambodia under leadership of Sihanouk and Son Sann. 05-07, 11-14, 23-24 in Cambodian to Asia on 6325 and unconfirmed 1250 (WBI 6/3)

V of the National Army of Democratic Kampuchea (Cambodian: Samleng Kangtoap Cheat Kampuchea Pracheathippatai) inaugurated bcs 14/2/83; supports coalition govt of DemoKamp and is hostile to present Phnom Penh govt and to Viet involvement in Cambodia. All on 5200 kHz to Asia; in Viet 01-0130, 0430-05, 14-1430. in Cambodian 05-0630, 10-14, 2315-01 (WBI 13/3)

Vietnamese Resistance Radio, first obs 22/2/84; ancs that it bcs from Base Camp No 15 of the Natl Unified Front for the Libn of Vietnam. Establishment of it was welcomed by a Viet nxpaper published in Paris on 1/2/84. On 7320v to Asia in Viet: 02-03, 06-07, 10-11, 14-15, 22-23. Former fq: 7355. Ancd fqs: 10300, 7400 (WBI 13/3)

**PUBLICATIONS** DX LISTENING DIGEST, Issue 13, is now available. Full of DX news in format similar to LN, except clandestine items mixed in with [non] countries, from A to Z; mostly SWBC DX news but MW, FM, TV, ute, ham also included; hardly any of it duplicating LN, from a mostly different set of contributors and other publications. If you are a serious DX/SW listener, you cannot afford to be without DXLD. All this wraps around ENJOYING RADIO, David Newkirk's reader-participation forum, wide-ranging but based on equipment discussions. Samples \$2, 10-issue subscriptions \$20 in North America, US funds on US bank or postal money order; \$25, \$27 or \$29 overseas airmail depending on zone; sample 8 IRCs. From Glenn Hauser, Box 490756, Ft Lauderdale FL 33349. (gh)

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REVIEW OF INTERNATIONAL BROADCASTING, sibling publication to DXLD, emphasizes words rather than numbers--extensive listener participation in reviewing and recommending programs; Issue 116 has advance program details thru April for BBC, HCJB, Netherlands, Beijing; program sked for the new WCSN, and the almost-new KVOH. AWR-Costa Rica and Radio Sandino program skeds; and much more. Loren Cox's columns Radio Equipment Forum, and Satellite Watch; and his articles on other subjects. Sample and subscription prices exactly the same as DXLD above; be sure to specify which you want--or both for \$38. From Glenn Hauser, Box 490756, Fort Lauderdale FL 33349 (gh)

"I have found RIB to be an invaluable source of program and station information, and in conjunction with DX LISTENING DIGEST, WORLD OF RADIO and SWL DIGEST DX tips; have provided me with a very comprehensive and ongoing picture of broadcasting in the world today. They have maintained my fascination with radio listening over the past 4 years, and have enhanced my enthusiasm in respect to program listening, DXing and pursuing knowledge that can only be obtained through listening to SW broadcasters. I treasure my RIBs and look forward to your future efforts at maintaining this quality magazine in the face of rising costs and personal effort. RIB is well worth the money and future price increases will not change my mind!" (Chris Bagge, Springfield MA)

WORLD BROADCASTING INFORMATION, published weekly by BBC Monitoring Service, gives up to date news on developments in world broadcasting including: Details of the different programme and frequency schedules. Broadcasting behaviour and technical developments. Activities of clandestine and unofficial broadcasters. Price 350 pounds per annum, overseas postage extra. For more info write to: Subscriptions office, BBCMS, Caversham Park, Reading, RG4 2TZ, Berkshire, England (BBCMS)

DX-SPREAD is the successor to SPEEDX-GRAM, which has been canceled by SPEEDX. Its editor Bruce MacGibbon now puts out this mid-month bulletin himself, \$5 in NAM, \$6 overseas, to him at 2295 NE Juniper Ave, Gresham OR 97030 (gh)

# QSL REPORTS



Send reports to:

Sam Barto  
QSL Editor  
47 Prospect Place  
Bristol, CT 06010 USA.

ANGOLA: Radio Nacional de Angola  
4952 f/d "Logo" cd. in 2 mo. for a  
PT rpt. and 2 IRCs. (Lare-MI).

ANTIGUA: Deutsche Welle 6040 n/d cd. in  
9 wks. (Rugg-QUE). Caribbean Relay Co.

6175 via BBC form ltr. direct from site in 3 wks. v/s J.J. Newbery. (Rugg-QUE).  
ARGENTINA: Radio Argentina Al Exterior 9690 f/d "Logo" cd. w/ gold and blue pennant in  
79 ds. for an EG rpt. (Kashiwabara-CA). 15345 f/d cd. in 2 mo. for ms. v/s Silvana  
Licciardi. (Rugg). LOL 15000 p/d cd. in 116 ds. for a SP rpt. and 1 IRC. (Forst-PA).

ASIATIC RUSSIA: Radio Moscow 11790 via Blagoveshchensk f/d cd. in 3 mo. v/s Maria Mal-  
enina, World Service Dept. (Field-MI). 9755 Nikolaevsk-on-Amur f/d "Dzerzhinsky  
Square" cd. in 2 mo. (Barto-CT). 17880 via Irkutsk f/d cd. in 1½ mo. (Barto). 17860 via  
Khabarovsk f/d cd. in 2 mo. (Barto). 13665 via Petropavlovsk-Kamchatsky f/d cd. in 2  
mo. (Barto-CT).

Australia: Radio Australia 9710 via Shepparton f/d "Queensland Sheep Station" cd. in 6  
wks. (Barto). 9580 same  
f/d cd. in 18 ds. (Dav-  
ission-OH).


1170 Khz ONDA LARGA  
6035Khz ONDA CORTA  
via Bill Plum

**Desde el Guaviare para Colombia**

**Radio Korea**  
on Reading Day.

AUSTRIA: Radio Austria  
International 6155 f/d  
"Traditional Costumes -  
Klagenfurt" cd. in 63  
ds. (Cole-CO). same in  
24 ds. (Davission). 15320  
f/d cd. in 56 ds. w/  
program schedule and  
report forms. (Leite-MA).

Steve...Nice to hear from you...Sam. 9725 and 11670 f/d cds. in 5 wks. (Barto-CT).  
BANGLADESH: Radio Bangladesh 15525 f/d "Earthen Utensils" cd. in 26 ds. after a f/up rpt.  
for 2 IRCs. Schedule rcvd. v/s Md. Abdur Rashid, Senior Engineer. (Wilkins-CA).  
BELGIUM: BRT 5910 f/d "Cartoon - Railroad Station" cd. in 25 ds. (Levison-PA).  
BELGIUM (Pirate): Free Radio Service Holland 6206.5 via Radio Delmare f/d cd. w/ ltr.  
\* and informational sheets in 7 wks. for a taped rpt. 1000 watts. v/s Peter Verbruggen.  
(Bares-CT)....Great catch..Sam.

BELIZE: Belize Radio One 3285 p/d "Map" cd. in 19 ds. for ms. (Kashiwabara).  
BENIN: ORTB 4870 f/d "Flag/Map" cd. in 7 wks. for a FR rpt. and US \$1.00. (Eckert-PA).  
BOLIVIA: Radio Illimani 4945 f/d prepared cd. in 15 mo. for a SP rpt. on my 6th try.

\* (Cones-VA). Radio Juan XXIII CP90 4965 p/d ltr. in 6 wks. for a SP rpt. v/s Gonzalo  
Cespedes. (Barto-CT).

BOTSWANA: Radio Botswana 4820 f/d "Cattle  
in Desert" cd. in 27 ds. for 2 IRCs.  
v/s Ted Makeekgenene. (Tutak-WA). f/d  
cd. in 5 wks. for ms. (Rugg). f/d "20  
Years of Progress" cd. in 37 ds. for  
1 IRC. (Schmitz-FRG). 4820 and 7255 f/d  
cd. in 6 wks. (Field-MI).

BOUGANVILLE ISLAND: Radio North Solomons  
3325 f/d ltr. in 4 mo. for ms. v/s  
Sam Sawa, Assistant Station Manager.  
(Lare-MI).

BRASIL: Radio Difusora do Maranhao 4755  
p/d cd. in 36 ds. after a f/up rpt.  
v/s Afonso Augusto Duque P. (Paszkiew-  
wicz-WI).



**South Africa,  
the news,  
the views.  
Tune in today to**

**RADIO RSA**



# Radio Difusora "SAN MARTIN'S"

UMA VOZ V UM SONHADO PARA UM PERU MAS UNIDO

QSL Column report forms are available from your editor for an SASE..Sam.

**BRASIL:** Radio Difusora do Maranhao 4755 p/d plain white cd. in 1036 ds! after a f/up rpt. in PT with ms. (Wilkins). p/d "Logo" cd. in 81 ds. \* for a PT rpt. and 1 IRC. (Schmitz-FRG). Radio Educadora Limeira 2380 f/d postcard in EG in 4 mo. for a PT rpt. v/s Luis Paulo Carito. (Barto). Radio Clube Paranaense 6040 f/d cd. in 5 wks. (Barto). Radio Araguaia 4905 f/d ltr. in 41 ds. after a f/up rpt. in PT and ms. v/s Paulo Magno. (Paszkiewicz). Radio Anhanguera 4915 f/d ltr. in 37 ds. for a PT rpt. and ms. same v/s as previous QSL. (Paszkiewicz). Radio Por um Mundo Melhor 4855 p/d cd. w/ ltr. in 71 ds. for a PT rpt. and ms. v/s Odilon Lagares Aguiar. (Paszkiewicz). Radio Rio Mar 9695 p/d cd. in 4 1/2 wks. for a PT rpt. (Barto). Radio Aparceida 6135 f/d cd. in EG in 1 mo. for a PT rpt. (Barto). Radio Nacional Manaus 4845 f/d form ltr. w/ coverage map and soccer decal w/ personal ltr. in 61 ds. for a PT rpt., tape and ms. v/s Eudson Monteiro, QF. de Audio. He requests stamps and DX bulletins. (Kashiwabara).

**BURKINA FASO:** Radio Nacional du Burkina 4815 f/d form ltr. in 55 ds. for a FR rpt., tape and 2 IRCs. (Kashiwabara-CA).

**BYLORUSSIAN SSR:** Radio Minsk 7420 f/d "City" cd. in 4 mo. (Barto).

**CANADA:** CBCNQS 9625 and 11720 n/d "Eskimo" cd. w/ schedule in 6 wks. for ms. (Weiss-OH). CFPV 6030 n/d cd. in 92 ds. for 1 IRC. v/s Scott Bruin. (Tutak). NHK 6120 via RCI n/d cd. in 2 mo. w/ schedule. (Barto).

**CANARY ISLANDS:** Radio Exterior de Espana 15365 f/d cd. w/ stickers and ltr. in 70 ds. for a SP rpt. and 1 IRC. (Forst).

**CELEBES ISLANDS:** RRI Ambon 4845 p/d cd. in 3 yrs! for an IN rpt. and ms. v/s Ali Amran. (Lare-MI).

**CHAD:** Radio Nationale Tchad 5286 via Moundou n/d ltr. in 6 wks. on my 4th try for a FR rpt. v/s Maimos Jacques, La Chef Technique. (Field).

**CHINA, PEOPLES REP. OF:** Heilunjiang PBS 4840 f/d cd. for the "Voice of the Strait" pgm. in 2 mo. (Barto). Qinghai PBS 4940 f/d cd. in 3 mo. (Barto-CT). Yunnan PBS 4760 f/d cd. in 63 ds. direct from station. (Schmitz). Fujian PBS 6765 f/d cd. in 9 wks. (Barto). Jiangu PBS 4875 via Nanjing f/d cd. in 2 mo. (Field).

**CLANDESTINE:** Radio Iran 15650 and 11640 p/d ltr. \* w/ schedule in 1 1/2 mo. Addr: 17, Bd. Raspail

75007, Paris, France. (Barto). Send report in care of C.B.  
**COLOMBIA:** La Voz de los Centauros 5955 n/d cd. in 4 1/2 mo. after 2 tries for a SP rpt. and ms. v/s Juan Carlos Lorres Leyva, Gerencia. (Palmerstein-MN). Emisora Nueva Granada 6160 p/d personal ltr. in 92 ds. for a SP rpt. and 1 IRC. v/s Antonio Prado Grarcia, Gerente. (Schmitz). La Voz de Guaviare 6035 f/d prepared cd. in 65 ds. for a SP rpt. and ms. Decal rcvd. (Plum-NJ). Radio Sutasenza 5095 f/d ltr. in 363 ds. for a SP rpt. (Eckert).

**COSTA RICA:** Radio Reloj 4832 f/d cd. in 24 ds. for a SP rpt. and 2 IRCs. (Leite). p/d "Globe" cd. in 24 ds. for a SP rpt., tape and ms. (Kashiwabara-CA).

**CUBA:** Radio Rebelde 5025 p/d ltr. w/ cd. in 167 ds. for a SP rpt. (Kashiwabara).

QSL 0330/87

SALVADOR ELEVATOR LACEIRA  
 ELEVATOR LACEIRA  
 LACEIRA ELEVATOR  
 ESTADO DA BAHIA - BRASIL

date : 30 08 86  
 Time : 21:27 to 21:36  
 Band : 126.05 meter band  
 frequency 2 380 kHz  
 Radio Educadora Limeira

0250 kW Power  
 Thanks a lot  
 From your friend  
 Luis Paulo Carito  
 Dario

Responsible Pôurteur du Bann  
 RATINDOU  
 Jours vendues de marmite  
 Young boys sellers

Monsieur  
 Nous confirmons que la station  
 que vous avez écouté est bien  
 la station régionale de Pondiché  
 Nous émettons tous les jours de  
 4 heures à 23 heures G.M.T. Ann  
 les fréquences :  
 5025 kHz (ca - 8<sup>h</sup> - 17<sup>h</sup> - 23<sup>h</sup>)  
 7150 kHz (ca - 17<sup>h</sup>)  
 nous locale = G.M.T.+1  
 Merci de votre coopération

REPRODUCTION INTERDITE  
 sans autorisation écrite de l'éditeur

Mr-Michael  
 Schmitz, Scharbergweg 14  
 D-4050 M Gladbach  
 Allemagne Federal



CYPRUS: CBC 7180 f/d cd. in 5 wks. for ms. (Rugg). 7205 f/d cd. in 23 ds. after a f/up rpt. Personal ltr. rcvd. (Weiss-OH).  
 CZECHOSLOVAKIA: Radio Praha 13715 f/d "50th Anniversary" cd. in 7 wks. (Barto). 5930 f/d "19th Century Timber Cottage" cd. in 72 ds. (Levison). f/d "Folk Architecture" cd. in 60 ds. (Cole).

DOMINICAN REP: Radio Discovery 6245 f/d cd. w/ sticker and personal ltr. in 3 wks. v/s Jeff White. (Barto).

ECUADOR: Radio Pastaza 3316 f/d prepared cd.

\* in 30 ds. for a f/up rpt. in SP w/ ms. Decal rcvd. (Plum). HCJB 9670 f/d "Hummingbird" cd. w/ schedule in 38 ds. for ms. (Woloch-QUE). Radiodifusora Paz y Bien 4820 f/d cd. w/ p/d ltr. in 14 wks. for a SP rpt. and ms. v/s Enrique Pesantez G., Gerente. (Palmerheim). CRF 4656 f/d prepared cd. w/ n/d personal ltr. in 4 1/2 mo. for a SP rpt. and ms. v/s Rafael Guerrero Valenzuela, Gerente. Rcvd. pennant and a Radio Melodia sticker. (Palmerheim). Emisora Jesus del Gran Poder 5050 f/d prepared cd. w/ personal ltr. in 178 ds. for a SP rpt. and 1 IRC. v/s Eduardo Enriquez. (Schmitz). f/d yellow folder "Logo" cd. in 20 ds. for a SP rpt. and ms. (Van Horn-FL).

ENGLAND: Free Medway Town Radio 6319 f/d informational \* sheet w/ stickers in 5 wks. for a taped rpt. and ms. Station runs 70 - 100 watts! v/s M.C. Thompson, Station Manager. (Bares-CT).

EQUATORIAL GUINEA: Radio Bata 5004 f/d personal ltr. in 9 wks. for a SP rpt. and ms. v/s Agustín Edu Esono. Addr: Apdo. 603, Bata-Litoral. (Eckert-PA).

ETHIOPIA: Voice of Revolutionary Ethiopia 9560 f/d "Antenna" cd. in 2 yrs. 11 mo! for an EG rpt. and ms. This after 3 f/up rpts. (Lare-MI).

EUROPEAN RUSSIA: Radio Moscow 13680 via Moscow f/d cd. in 5 wks. (Barto). 13615 and 9600 via Moscow f/d cd. in 2 mo. (Barto). 13735 via Zhigulevsk f/d "Bolshoi Theatre" cd. w/ schedule in 2 1/2 mo. (Barto-CT).

FRENCH GUIANA: Radio France International 9800 via Montsinery f/d "Antenna" cd. in 38 ds. w/ schedule. (Buer-FL). same f/d cd. w/ pennant in 1 mo. (Rugg). same in 54 ds. (Forst). in 32 ds. w/ pennant and schedule. (Cole).

GABON: Radio Japan 9645 via Moyabi n/d cd. in 3 wks. (Rugg).

GALAPAGOS ISLANDS: La Voz de Galapagos HCVGB 4810 p/d cd. w/ prepared cd. in 46 ds. for a SP rpt. and ms. v/s Padre V. Maldonado. (Wilkins-CO).

GERMAN DEMOCRATIC REP: Radio Berlin International 7260 f/d "Holiday" cd. in 6 wks. (Barto). 15255 f/d cd. in 9 wks. (Barto). 15240 f/d cd. in 7 wks. (Barto).

GERMANY, FEDERAL REP. OF: Sender Freies Berlin 6190 f/d cd. in 18 ds. for 2 IRCs. (Allen-OK). SFB via Radio Bremen 6190 p/d cd. in 18 ds. for ms. (Forst).

GREECE: Voice of Greece 9420 f/d "Lions Gate" cd. in 4 mo. (Barto).

## Free Medway Town Radio

Broadcasting to Europe on the 49m Band Shortwave

### All Valve Steam Radio

#### FREE MEDWAY TOWN RADIO

F.M.T.R.  
 P.O. Box 5H9  
 Sheerness  
 ME12 1AQ England

To SEND:

#### RECEPTION REPORT CONFIRMATION

Date of Report 11/1/87  
 Time Station heard 0430 GMT  
 Frequency 6320 Mhz

From our records it appears that your Report is correct. On behalf of F.M.T.R. thank you for your interest!

#### STATION INFORMATION

Our station transmits between the frequencies of 6275 Mhz and 6370 Mhz in the 49 metre band Shortwave. We broadcast on Saturdays and Sundays between 09:00 hrs and 17:00 hrs. other times as announced.

# WORLD-CLASS RADIO — KVOH

Los Angeles, California USA

High Adventure's Voice Of Hope For The Americas

This card verifies your report of our transmission

via Richard Davis

Date: 10-30-86

The ministry on this station is dependent upon the prayers and the financial help from our listeners. Please write to us.

Time: 2005-2038 GMT/UTC

Frequency: 17,775

High Adventure Ministries

P O BOX 93937  
LOS ANGELES, CA 90093

GUATEMALA: Radio Maya de  
Barillas 3325 f/d cd. w/ ltr. in 36 ds. for a SP rpt. and ms. (Van Horn-FL). same in 35 ds. for a SP rpt. and ms. (Rigas-IL).  
HOLLAND: Radio Nederland  
15560 and 13770 f/d "Flevo Site" cds. in 6 wks. (Barto).  
HONDURAS: HRFI Sani Radio  
4755 f/d ltr. in 5 wks. for a SP rpt. v/s Edward A. Pfister, Program Manager for Operations. (Barto).  
ICELAND: ISBS 13775 f/d cd.

in 1 mo. (Barto). 9859 f/d "Thingvellir" cd. in 5 wks. (Barto-CT).  
INDIA: All India Radio 7412 and 11620 f/d "Nandi Bull" cd. in 3 mo. (Barto).  
IRAN: VOIRI 15084 f/d "Marchers" cd. w/ Islamic postcards in 120 ds. for 3 IRCs. (Weber).  
ITALY: Adventist World Radio 6205 via Forli f/d cd. w/ ltr. and sticker in 6 wks. v/s Sandy Hodgson, Secretary. (Barto). RAI 11800 f/d "Canal" cd. in 7 1/2 mo. (Weiss).  
JAVA: RRI Jakarta 7270 p/d cd. w/ personal ltr. via registered mail in 82 ds. for an IN rpt. and ms. v/s M. Arsyad, Subik, B.A. (Allen-OK).  
KAMPUCHEA: Voice of the People of Kampuchea 11938 f/d form ltr. w/ personal ltr. in 168 ds. after a f/up rpt. for 2 IRCs. (Allen).  
KIRIBATI: Radio Kiribati 14802 p/d ltr. in 43 ds. for 2 IRCs. v/s Atiota Buroo. (Paszkwicz). f/d cd. in 7 wks. after a f/up rpt. for ms. v/s B. Reifer, Engineer in Charge. (Orcutt-CA). 16433 f/d "Racing Canoe" cd. in 25 ds. for an 83 reception and ms. This was after 2 f/up rpts. (Buer-FL).  
KOREA, DEMOCRATIC PEOPLES REP: Radio  
Pyongyang 9977 p/d cd. w/ pennant and stamps in 11 mo. after a f/up rpt. (Eckert). 11735 f/d cd. w/ flag pennant in 77 ds. for 2 IRCs. (Allen).  
KUWAIT: Radio Kuwait 11675 f/d folder cd. in 33 ds. (Davisson).  
LAOS: Lao National Radio 7122.9 via Vientiane f/d cd. in 7 mo. (Barto).  
LEBANON (International Waters): King of Hope 6215 f/d "Prison Wall - Concertina Wire" cd. in over 6 yrs! for a casual rpt. to KVOH Radio (Wootten-VA).  
LIBYA: Radio Jamahiriya 11815 f/d cd. in 100 ds. via Malta address for 2 IRCs. (Forst).  
LUXEMBOURG: Radio Television Luxembourg 15350 f/d "Shield/Antenna" cd. w/ pens and sticker 38 ds. for a FR rpt. and 2 IRCs. (returned). (Kashiwabara). f/d cd. w/ sticker in 5 wks. for 1 IRC. (Rugg).  
MALAGASY REP: Radio Nederland 9540 f/d cd. in 1 mo. (Rugg). (Barto-CT).  
MANCHURIA: Heilunjiang PBS 4840 f/d cd. in 3 mo. (Barto).  
MEXICO: XEYU Radio Universidad 9602.2 p/d ltr. in 3 wks. for a SP rpt. v/s Ing. Eusebio Mejia Maldonado, Jefe del Departamento Tecnico. (Barto).  
MOROCCO: Radio Mediterranee Internationale 9575 p/d ltr. in 5 wks. v/s C. Thuret and J. Dryk. (Barto).  
MOZAMBIQUE: Radio Mozambique 4865 f/d "Map" cd. in 28 ds. for a PT rpt. and 1 IRC. (Schmitz).  
NEW BRITAIN: Radio East New Britain 3385 f/d personal ltr. in 22 ds. for 2 IRCs. v/s A.L. Rumina, Station Manager. (Cones-VA).  
NEW CALEDONIA: RFO Noumea 3355 p/d cd. in 4 mo. for a FR rpt. (Barto).

## Free Radio Service Holland

INT MUSIC RADIO ON 41/41 III

QSL

TO Gregg Bares  
TIME 0800-1058 GMT  
DATE Dec 21 1986  
FREQ 6206.5 kHz  
SINPO 44/3/3/3/1/3  
POWER 1 kW  
AERIAL 2 wave dipole



THANKS FOR YOUR RECEPTION REPORT AND KEEP LISTENING!

### LA VOZ DEL LLANO

## 20 AÑOS

via M. Schmitz  
1020 KHZ ONDA LARGA 6115 ONDA CORTA  
La antena vertical  
de los llaneros

# SUPER

Primeros en lo importante

ALLAVICENCO-COLOMBIA

NOTES: Received a very nice letter from our German reporter Mr. Michael Schmitz. He spent the XMAS Holiday on the Czech border at an 8 day DX camp! Excellent conditions from Africa but nothing from Latin America. Conditions vary greatly this year - even from day to day...Sam. John Tow in Alabama has recently joined NASWA after a brief absence. He is very pleased with the QSLs received this year but is still waiting to hear from Sierra Leone. (So are many others!)

MARSHALL ISLANDS: WSZO 4940.0 has been \* heard between 0845-1000. Exact sked. not known at this time. Heard here w/ YL and weather forecast and local island mx between 0910 and 0945..Sam. Tnx. to Ron Howard for tip!

NEW ZEALAND: Radio New Zealand 15150 f/d "Soccer" cd. in 28 ds. for ms.(Kashiwabara-CA).

NICARAGUA: Radio Zinica 6120 n/d form ltr. in 123 ds. for an EG/SP rpt. and 3 IRCs. v/s Arturo J. Valdez R.(Weber)

\* Radio Sandino 6200 f/d personal ltr. in 11 mo. for a SP rpt. and \$1.00 for an 84 rpt. v/s Ramiro Gonzales Cruz, Director of Public Relations.(Palmersehm). 6160 p/d ltr. in 383 ds. for a SP rpt. and 2 IRCs.(Hardester-PA). f/d personal ltr. in 1 yr. after several f/up rpts. for a SP rpt. (Field).

NORWAY: Radio Norway International 9590 f/d cd. w/ sticker and schedule in 21 ds.(Leite). 9605 f/d "Voss" cd. in 17 ds. (Davisson).

GUINEA ECUATORIAL  
Punto del sol en LUBA

Este es para confirmar el informe de sintonia enviado por el SR. MICHAEL SCHMITZ que nos escribe de habernos sintonizado el día 20 de Enero de 1984 através de nuestra frecuencia de 6250 KCS. en la banda internacional de 49 MTS. los detalles de este informe son correctos, le haremos mucho de habernos sintonizado y les enviaremos un correcto saludo para si y a toda tu familia.

EL DTOR. DE RADIO TELEVISION.  
MALABO 18 / 10 / 85

ESTO ES LUNA DISTRITO DE MALABO ESPERAMOS QUE ESTA POSTAL TE SERA MUY MAGRADECIDO.



PARAGUAY: Radio Nacional 9735 p/d form ltr. w/ tourist information in 43 ds. for a SP rpt. and 1 IRC.(Kashiwabara).

PERU: Radio Oriente 6189 f/d prepared cd. in 3½ mo. after a f/up rpt. in SP and ms. v/s Prof. Ricardo Arevalo Flores, Director-Gerente. Keychain rcvd. via registered mail. (Palmersehm). La Voz de la Selva 4825 f/d ltr. in 57 ds. for a SP rpt. and ms. v/s \* Dulce Nombre Padilla.(Dillon-MD). Radio Porvenir 3910.6 p/d ltr. in 6 wks. for a SP rpt.(Barto). Radio Difusora San Martin 4810 p/d cd. in 48 ds. for a SP rpt. and ms. \* v/s Jose Roberto Chong, Gerente General.(Dillon). Radio Tawantinsuyo 4910 p/d folder cd. in 174 ds. for a SP rpt. and 1 IRC. v/s Hilda O. de Montesinos, Sub. Gerente.

(Schmitz). Radio Inca del Peru 4762 f/d cd. in 133 ds. for a SP rpt. and ms. Sticker rcvd. v/s Jorge L. Iref Inamine, Gerente Tecnico.(Wilkins). f/d cd. w/ pennant and sticker in 1 yr. on 3rd try for a SP rpt. (Field-MI).

## RADIO FEDERACION

SUCUA. MORONA SANTIAGO - ECUADOR



REPUBLIC OF ZAMBIA

## ZAMBIA BROADCASTING SERVICES

BROADCASTING HOUSE  
P.O. BOX 50015  
LUSAKA

27th January, 1987

Richard E. Davis  
117 Colorado Drive  
Portales, New Mexico 88130  
U.S.A.

Dear Sir,

I have the honour to send to you the Confirmation Card in reply to the letter dated 10th January, 1987. Anyway, thanks a lot for the contents of the letter. Sir, please, would you send me some DOLLARS so that the income could pick up my part please. The Kwacha here in Zambia has lost it's value. It is 15 Kwacha to a dollar.

I would appreciate if I could hear more from you sir,

Yours faithfully,

  
PATRICIA LUNGU  
FOR/DIRECTOR GENERAL  
ZAMBIA BROADCASTING SERVICES.

OMAN: BBC 7125 p/d cd. in 2 mo. via London.(Eckert-PA).

PAPUA NEW GUINEA: Radio Simbu \* 2376 p/d ltr. in 21 ds. after a f/up rpt. w/ ms. Station is now operating on 3355.(Wilkins-CO). Radio Northern 3345 f/d cd. w/ ltr. in 7 wks. v/s Didymus Gerald, Assistant Station Manager.(Barto). Radio Eastern Highlands 3395 f/d "Map" cd. in 26 ds. after a f/up rpt. and ms. v/s Rebert Taula, Broadcasting Technician.(Wilkins). Radio East Sepik 3335 f/d "NBC Map" cd. in 26 ds.(Rippel-VA). Radio Milne Bay 3365 f/d very nice personal ltr. in 23 ds. for 2 IRCs. v/s Trevor Webumo.(name?)





via M. Schmitz

**Radio Nacional de Bata**  
República de Guinea-Bissau

Nuestros  
Oyentes  
Escritura

**Q** Frecuencia: 4,926. Banda 61  
**S** Fcda: 12 Octubre 1954  
**L** Hora local: 22 UTC 21  
**Idioma:** Español

5980 in 3 mo. (Barto). **Radio Five** 4880 f/d "Antenna/Buildings" cd. in 47 ds. (Cole).  
\* **Southern Sound** 3930 f/d personal ltr. in 2 mo. w/ schedule. v/s Robert E. Edwards.  
\* (Field). **Radio Oranje** 3215 f/d "SABC" cd. w/ sticker in 40 wks. v/s Minnie Visser.  
\* **Technical Manager.** (Field). **Radio Orion** 3250 f/d cd. in 5 wks. (Barto). 3955 f/d cd. in 17 ds. for 1 IRC. (Hardester). 3320 f/d

**Radio Inca**  
DEL PERU

OSK-4E 540 KHZ Onix Media  
OCH-4W 4770 KHZ Onix Costa  
Barrido de 100 Hz

Sr. JOHN M. WILKINS

4385 Hoyt St. Apt. 205  
Wheat Ridge, CO 80033

ESTADOS UNIDOS DE AMERICA

VERIFICAMOS SU RECEPCION DE NUESTRA  
EMISION DE ONDA CORTA OCK-4W 4770 KHZ

El día 07 de Setiembre de 1986 Hora local 00:45 a 01:20

El Barrio Akashi 375 Lima 14  
SW 11R25C  
(LIMA, PERU)

OSK-4E 540 KHZ Onix Media  
OCH-4W 4770 KHZ Onix Costa  
Barrido de 100 Hz



**TIBET:** Xizang PBS 5240 f/d cd. in 2 mo. (Barto).

**TOGO:** Radio Togo 5047 f/d "World" cd. in 2 mo. for an EG/FR rpt., tape and ms. (Eckert).

**UKRAINIAN SSR:** Radio Moscow 13705 via Simferopol f/d "Lenin Library" cd. in 1½ mo. (Barto).

Telesur, equino Junin Edificio Nueva America - Telefonos 3-28904 - 3-22883 - 3-29806 - Casilla 2431

**RADIO**  
NUEVA AMERICA

LA PAZ - BOLIVIA

La Paz, Noviembre 14, de 1986

Señor

Michael Schmitz  
Scharenbergweg 14  
ALLEMANIA FEDERAL

De nuestra consideración:

Muchas gracias por el envío de su nota que lamentablemente no he podido leer ya que no he podido sintonizar Radio Nueva America, de La Paz, Bolivia, Suiza, en la frecuencia de onda corta, banda de 60 metros, 4795 Kilohertzios. Los datos son correctos.

Temas de Honor:

Esta emisora trabaja en la frecuencia que Ud. sin duda conoce.

La Paz, Capital Administrativa de Bolivia, es una ciudad de un millón de habitantes. Se encuentra a una altura de 3,600 metros sobre el nivel del mar.

Esta ciudad es una síntesis geográfica de este país ya que tiene zonas montañosas, valles y zonas desérticas.

Al fondo de la ciudad de La Paz, se halla un gigantesco nevado que lleva el nombre de "Illimani".

Si algún conocido suyo alguna vez (o usted) viene a La Paz, búquenlos que tendremos mucho gusto en atenderlos.

Muestramos agradecimiento.

RADIO "NUEVA AMERICA"

**PHILIPPINES:** Radio Veritas Asia 9710 cd. in 2 mo. (Cole).

**POLAND:** Radio Polonia 7270 f/d "Chopin" cd. in 92 ds. (Davisson).

**SAO TOME E PRINCIPE:** Radio Nacional 4805.5 f/d cd. in 380 ds. after a f/up rpt. in PT w/ 2 IRCs. v/s Aucleta M. Deus, O. Responsavel. (Wilkins).

**SINGAPORE:** Singapore Broadcasting Corp. - Radio One 1940 f/d "Fireworks over Skyline" cd. w/ personal ltr. and schedule in 88 ds. for 2 IRCs. v/s Lucy Cheong. (Tutak-WA).

**SOUTH AFRICA:** Radio RSA f/d "Ricksha Pullers" cd. for 2720, 3230, 4990 and 5980 in 3 mo. (Barto). **Radio Five** 4880 f/d "Antenna/Buildings" cd. in 47 ds. (Cole).  
\* **Southern Sound** 3930 f/d personal ltr. in 2 mo. w/ schedule. v/s Robert E. Edwards.  
\* (Field). **Radio Oranje** 3215 f/d "SABC" cd. w/ sticker in 40 wks. v/s Minnie Visser.  
\* **Technical Manager.** (Field). **Radio Orion** 3250 f/d cd. in 5 wks. (Barto). 3955 f/d cd. in 17 ds. for 1 IRC. (Hardester). 3320 f/d

f/d cd. in 2 mo. (Field).  
**SWEDEN:** Radio Sweden International 15345 f/d cd. in 21 ds. (Davisson). 11925 via Varberg (SSB) f/d "Swedish coastal" cd. in 2 mo. (Field).

**SYRIA:** Syrian Arab Republic Broadcasting Station 9565 f/d cd. in 3 mo. after a f/up rpt. QSL rcvd. via registered mail. Also rcvd. felt coaster, paper flag and schedule. (Allen).  
9670 f/d "Map" cd. w/ flag and sked. via registered mail in 10 mo. v/s Alia Sharabati. (Weiss).

**TAIWAN:** Voice of Free China 5985 f/d "Dragon Dance" cd. in 24 ds. w/ stickers. (Levison)... This was probably relayed via WYFR.

**UNITED ARAB EMIRATES:** Dubai Radio and Television 15320 f/d cd. w/ pennant and schedule in 25 ds. (Leite). 9640 f/d "Map" cd. in 24 ds. v/s K.F. Fenner. (Cole). 15320 and 17775 f/d cd. w/ new pennant design in 3 mo. (Barto).

**USA:** KVOH 17775 f/d cd. w/ sticker and ltr. in 49 ds. (Leite). f/d cd. w/ schedule in 78 ds. (Levison). f/d cd. in 61 ds. for ms. (Paszkievicz). f/d cd. in 17 ds. for ms. (Cones-VA). f/d "Studio" cd. in 15 ds. w/ sticker for ms. (Van Horn). f/d cd. in 18 ds. w/ ltr. for 2 IRCs. (Wooten-VA). f/d cd. in 10 wks. for ms. v/s David Lawrence, International Program Director. (Orcutt-CA).

USA: WHRI 7400 f/d "Globes" cd. w/ schedule in 89 ds. for ms. (Kashiwabara). 5995 f/d cd. in 3 wks. v/s Loren Holycross. (Barto). WYFR 15440, 15566 and 17845 f/d cds. in 5 wks. (Barto). Radio Marti 9590 "Jose Marti bust" cd. w/ ltr. in 1 mo. v/s Fred Rathert, Jefe de Operaciones Tecnicas. (Barto). Voice of Free China 11805 via WYFR f/d cd. in 1 mo. for a FR rpt. v/s Suzy Lo. (Rugg-QUE).

USSR: Radiostantiya Rodina 6035 f/d cd. in 2 mo. for an EG rpt. (Field).

VANUATU: Radio Vanuatu 3945 f/d "Tam-Tam" cd. in 152 ds. for 2 IRCs. v/s T. Mason. (Tutak).

VATICAN: Radio Vatican 9755 f/d cd. w/ schedule in 5 wks. (Barto).

VENEZUELA: Radio Valera 4840 p/d cd. in 41 ds. after a f/up rpt. in SP for ms. v/s Carlos Julio Balza. (Paszkievicz). f/d "Valera City" cd. in 21 \* ds. for a SP rpt. and ms. Decal rcvd. (Plum-NJ). Radio Sensacion 6000 f/d ltr. in 1 yr. on my 4th try for a SP rpt. v/s Rafael E. Nunez Felce, Gerente. (Field). Radio Capital 4850 f/d EG/SP cd. in 14 wks. for an EG/SP rpt., tape and ms. Also rcvd. a 17" sticker v/s Manuel Correa. (Eckert). f/d cd. w/ sticker in 63 ds. for a SP rpt. and ms. (Forst).

VIETNAM: Voice of Vietnam 9841 Tay Nguyen f/d cd. in 5 mo. for a 75 reception. (Barto). 9810 (Hue site??) f/d cd. w/o site in 5 mo. for a 74 reception. (Barto).



WEST BERLIN: RIAS 6005 p/d cd. in 13 ds. for 1 IRC. (Forst).

WEST IRIAN: RRI Mataram 3222.8 p/d ltr. in 7 mo. for an IN rpt. Sticker and postcards rcvd. (Barto).

ZAIRE: OZRT La Voix du Zaire 15245 via Kinshasa f/d personal ltr. in 170 ds. after a f/up rpt. in FR w/ ms. v/s Ayipam Mwan-a-Ngo, Le Directeur des Programmes Radio. (Allen-OK).

ZAMBIA: Zambia Broadcasting Services 4911 f/d cd. in 38 ds. after a f/up rpt. w/ ms. and 2 IRCs. v/s Patrick Lungu. (Davis-NM).

ZIMBABWE: ZBC-Radio One 3396 f/d cd. in 6 wks. (Field).



DEPARTEMEN PENERANGAN RI.  
DIREKTORAT JENDERAL RADIO TELEVISI FILM  
RRI NUSANTARA II  
Jalan Amat Jazuli No 4  
YOGYAKARTA

Tumul. Pov. 18

2783 2784 2785

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YOGYAKARTA, 15 Desember 1986

Dearest Mr. John Sgrulletta  
Mahopac, NY - USA

Greeting from Indonesia

Hallo apa kabar ? senang sekali saya terima surat dari anda tentang laporan penerimaan siaran stasiun kami. Saya terima surat anda dua kali yang pertama tgl 4 Februari 1986 dan kedua tgl. 26 November 1986.

Maaf sekali atas keterlambatan saya membalas surat anda, sebab banyaknya surat yang datang dan kesibukan saya sendiri. Setelah saya cek pada daftar logbook saya-an tgl. 20 Desember 1985 pukul 18.59 - 19.30 wib adalah warta berita dari stasiun pusat Jakarta dilanjutkan lagu-lagu instrumental.

Saya yakin anda telah mengikuti siaran kami dan menerimanya dengan baik.

By the way, Masihkah anda mengikuti siaran kami ? saya kagum atas hobby anda dan prestasi yang telah dicapainya.

Sedikit informasi tentang daerah saya, Yogyakarta adalah daerah istimewa yang gubernurnya seorang raja, merupakan salah satu propinsi dari 27 propinsi di Indonesia. Terkenal akan kota pariwisata, kota budaya, kota pelajar, kota perjuangan. Terdapat Universitas terbesar dan tertua di Indonesia.

Okay, that was my reply and thank for your concern and reception report we are looking forward to hear next report soon.

Wishing you all the best and Merry Christmas & New Year.

Sincerely,  
Erwin

O. B. Stasiun Manager  
Miss Erwin Ristiana  
Public Relation Staff

Well that is about it for this time around. We will have many more QSLs to report next month. Get your reports in to the Column.

I had an extensive telephone conversation with my good friend John Kapinos concerning the lack of support that US DX Clubs seem to be facing. This seemed to be quite evident last year; however, the quality looks like it is getting better. The problem may be one of expense. A decent receiver now costs around \$500. Postage costs are very high. This may be keeping the new DXer from entering the hobby. There are many other reasons but lack of space prevents me from elaborating more at this time.

I've tried to spruce up this Column a bit. Hope it helps. Till next time...73s

*Sam*



# FRIENDX LOG REPORTERS

Distributing Editor: John F. Henault, 55 Lincoln St., Abington, MA 02351

CONTRIBUTORS LIST \*\*\*\*\* APRIL 1987 ISSUE \*\*\*\*\* DEADLINE 12th OF MONTH \*\*\*\*\*

Brian ALEXANDER, Mechanicsburg, PA.; Kirk ALLEN, Newkirk, OK.(NRD515); Raymond BAUERNHUBER, Rosedale, NY. (RF2800); Norman BOBB, Minneapolis, MN.(R1000-R600); Arthur BONNET, W.Lafayette, IN.(DX400); Paul BROUILLETTE, Hoffman Estates, IL.(R71A); Paul BUER, Miami, FL.(SPR4); Doug BURLEW, Lewiston, PA.(FRG8800-DX400); Kenneth COBB, Portland, ME.(R71A-RF4900); Richard D'ANGELO, Wyomissing, PA.(R70); Tony DAVIE, Lake Jackson, TX.(R600-RFF-11); Peter Dillon, Columbia, MD.(DX400); Marlin FIELD, Hillsdale, MI.(SPR4); Michael HOGAN, Burnham, IL(RF2600); Gerylyn HOLLERMAN, Huntsville, AL.(DX302); Hans JOHNSON, Monterrey, CA.(R71A-RF2200); Brian JONES, San Antonio, TX.(R70); Rufus JORDAN, Pittsburg, PA.(DX302-Zenith); Ken KASHIWABARA, Panorama City, CA.(ICF2010-RF2800); James KILGALLEN, San Jose, CA.(FRG8800); Kevin KLEIN, Appleton, WI.(R71A-ICF2002); Steve LEITE, Fall River, MA.(R71A-NRD515); Harold LEVISON, Philadelphia, PA.(R70); Scott NELSON, Parshall, ND.(ICF6500W-HQ100-SX100); Mike NIKOLICH, Arlington Heights, IL.(NRD515-SPR4); Dale PARK, Honolulu, HI.(ICF6700W); Sheryl PASKIEWICZ, Manitowoc, WI.(NRD515); Wally RHYNE, Gastonia, NC.(R71A-R1000); Charles RIPPEL, Virginia Beach, VA.(NRD-515-R71A); Mary Ann ROBERTS, Winnipeg, Manitoba, CANADA, (RF2200); Andrew RUGG, Nuns' Island, Quebec, CANADA, (R390A-HQ180A); Daniel SAMPSON, Black River Falls, WI.(R1000); David SNYDER, Staten Island, NY.(RF2800); Robert P. TOMKO, Belle Mead, NJ.(R71A); John TUCHSCHERER, Neenah, WI.(R70-FRG7700); Pete TUTAK, Seattle, WA.(R70); Alex VRANES, Davenport, IA.(FRG7); Steven WALLEY, Moreno Valley, CA.(ICF2010); Marjorie WITTE, Torrance, CA.

Well my friends, things are looking up. This month we had 40 Contributors, a lot more than we have been averaging of late. Welcome also to the New Members and Older Members Re-joining us after various absences. Everyone is always most WELCOME here in the Contributors Section, dont be shy, send us your loggings..

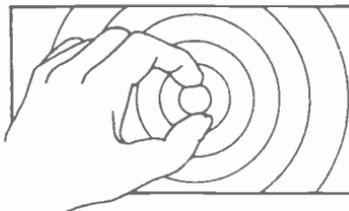
One sad note this month, quite a few good loggings were received here in what could only be described as the sorriest state of condition that I have ever had arrive here. That good old Post Office Machinery, ATE half of the envelopes and their contents. That we have no control over I am afraid, however there was another reason some Loggings were unable to be used as well. The Contributors had taken to writing on both sides of a single sheet of paper, and this was not a continuation of a single log, but separate loggings overlapping those on the front side of the page. PLEASE FOLKS, BE CAREFULL, I personally recommend that you use the Logging sheets available from Club HQ., but I do not demand it, I will accept most anything that is useable, however, writing on both sides of a single sheet of paper is a waste of your time and mine, so please be careful in the future.

Some of my Contributors have found out about a Shortwave Utility Address Book, that I have Co-Authored and am Co-Publishing with my good friend Daryll Symington of Holland Ohio. For those interested, this book is now at the printers and will be available for purchase by the time this Column is in print. For those who are interested in Utility Stations, we are providing a very complete book of the mailing addresses for Utility Stations in the Americas and the Caribeen and some other areas of interest as well. This is not a Frequency Directory, but a good and current list of their Mailing Addresses. Please feel free to contact yours truly if you have questions or are interested in purchasing a copy.

Finally, I would like to thank my good friend Abe Lewkowicz for standing in for me last month so I could vacation in Florida with my family. As I have been out of work since Sept. due to a line of duty injury, I really needed that 14 day vacation away from all this cold and snowy weather. Abe as usual did a very good job and I can only express my thanks for a job well done. Thanks ABE.

Thats all for this month folks, see you in 30 days.





# LOG REPORT

## section A

### 2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 264, Grove City, OH 43123

- 2310 AUSTRALIA. VL8A Alice Springs. 1120-1210. EE. Rock music, ID @ 1145, ABC news at 1200 fade out. (1/3 D'Angelo); @ 0906-0935 w/phone interviews //2325,2485 with weak signals(7/3 Kashiwabara)
- 2905t INDONESIA. RPDT2 Ngada. 1311-1412. IN. Ments of Bajawa, Ende, Kupang, but no ID pop music. (11/2 Allen)
- 3255 LIBERIA. ELBC. 2300-2310. EE. ID and news by OM.(3/2 D'Angelo); @ 0500 with "Sweet Hour of Prayer"(12/2 Jordan)(no date Johnson); 2342-0001 with programme of modern AFRO jazz.(3/3 Bobb)
- 3265 INDONESIA. RRI Gorontalo. 1259-1329. IN. Low audio w/ID @ 1303.(14/2 Allen)
- 3280 ECUADOR. LV del Napo. 1047-1056. SS. Full ID by OM between pgm's(1/3 D'Angelo)
- 3325 GUATEMALA. R. Maya Barillas. 0250-0340. SS. Group vocals and talk, severe utility station QRM. (3/3 Jordan)—thanks Rufus.  
PAPUA NEW GUINEA. R. North Solomans. 1240-1257. Local mx selections.(24/2 Tutak); @ 1300 with music, best using ECSS.(10/2 Rippel)—thanks Chuck and enjoy the new R-7000!!!
- 3340 PERU. R. Altura. 0405. SS. Very readable w/Hueynes, pops, birthday greetings, OM host with time and ID.(3/2 Mikolich); @ 1106(3/2 Field)
- 3354 PAPUA NEW GUINEA. R. Simbu. 1228. Vern. Local mx w/talk by OM.(11/2 Rippel)
- 3356 BOTSWANA. R.B. 0440. Vern. OM w/talk, good signal. (4/3 Field)
- 3365t PAPUA NEW GUINEA. R. Milne Bay. 1225. Vern. "Island music" between static crashes. (12/2 Rippel)
- 3366 GHANA. GBC. 2255-2305. EE. Religious programmes, ID @ 2300.(15/2 Leite)
- 3375 PAPUA NEW GUINEA. R. Western Highlands. 1233. Vern. Pop/local mx w/ male programme announcer. (12/2 Rippel)
- 3385 FRENCH GUYANA. FR3. 0930-0941. FF. ID by YL in FF @ 0930, into reading of pgm sked w/ rooster crow twice and into pop mx.(22/2 Tutak); @ 0150(22/2 Jordan) and last but not least @ 0930-0935 with FF talk and music.(17/2 Bobb)
- 3396 ZIMBABWE. ZBC. 0403-0425. EE. Talk about US and UK veto'ing UN resolution on RSA, US plan to back Egyptian attack on Libya, and US Mil bases in Zaire, fade out by 0425. (22/2 Jordan)—good detail Rufus. A beautiful country but you cant swing a dead cat without hitting a marxist!!
- 3905 PAPUA NEW GUINEA. R. New Ireland. 1225. Vern. Long talks instead of usual musical and announcement show's.(10/2 Rippel)
- 3925 JAPAN. Radio Canada Int'l via NSB. 0855-0900. JJ/EE. ID's, Vancouver address, into JJ ad's, //6055,9595. (7/3 Kashiwabara)
- 3955 REP. SOUTH AFRICA. R. Orion. 2345-0015. Lite inst. music, ID and DJ chatter., all in EE. (28/2 Alexander)
- 3958 FAKLAND ISLANDS. FIBS. 0833-0903. EE. Pop selections and stn anmts by OM anncr, ID @ 0858.(22/2 Tutak); @ 0835 with ID as BFBS(?) (8/2 Alexander)—didnt know FIBS and BFBS were in association with each other as when I was there just after the conflict, BFBS had their own local VHF radio station.
- 3999 GREENLAND. Gronlands Radio. 0954-1026. DD. Clearly copied IS, choral music, with some ham QRM. (26/2 Allen)
- 4120 NORTH KOREA. V. of Nat'l Salvation. 1230-1241. KK. ID like "kuk-gu-kui-so-ree-pan sohn-ee-nee-da", martial vocals.(8/3 Kashiwabara); @ 1558-1632 w/ ID, anther, TC on the hour.(20/2 Tutak)—nice loggings from the Washington State crew this month!!
- 4648 BOLIVIA. R. Santa Ana. 0216-0333. SS. LA songs, ID by YL @ 0241.(16/2 Tuchscherer)
- 4755 BRASIL. R.D. Maranhao. 0230-???. PT. Bossa Nova guitar music, ID and into "oldies" (early 40's and 50's) music tunes. (no date Johnson)
- 4760 SWAZILAND. TWR. 0358-0418. EE. ID and IS, followed by GG Sve.(3/2 Rugg)
- 4780t DJIBOUTI. R.D. 0330-0405. Somali. Vocals, talk by OM. Utility station QRM. (23/2 Faszkievich)
- 4783 MALI. RTVM. 2225-2248. FF. Music to 2229 then ID and TC followed by commentary and sports. (7/2 Rugg)
- 4790 PAKISTAN. Azad Kashmir Radio. 1659-1705. Vern. OM anncr ending with "typewriter" theme, pips, and ID. (28/2 Park)
- PERU. R. Atlandita. 0913. SS. News followed by rooster crow.(7/2 Bobb)
- 4795 BOLIVIA. R. Nueva America. 1034-1058. SS. Down from 4796.5, good signal w/ ad's, "musica de Bolivia", ID @ 1043, and ad for "Banco Nacional de Bolivia".(2/2 Allen)

- ECUADOR. LV de los Caras. 0123-0135. SS. CM anncr w/personal messages for people around Bahía de Caraquez and Portourejo. (26/2 Brouillette)
- U.S.A.R. Ular-Ude (listed). 0343-0400. Fulttery signal w/ OL in RR, pop mx. Although Ular-Ude is listed, no darkness path exists so it must be European. (several dates Nikolich)
- 480C LEBANON. R.L. 0300-0316. Sesotho. NA S/or ID. (8/2 D'Angelo)
- 480S BRASIL. RD do Amazonas. 2253-2319. PT. Local music, ID @ 2301. (28/2 Rugg)
- 481C PERU. R. San Martin. 1110-?????. SS. Long discourse by CM. (3/2 Klein) (8/3 Hashiwabara)
- 481S BURUNDI-FASC. RTVB. 2300-0002. FF. Talk, songs, half hour drama, IS and anthem. at S/off. (5/3 Beur)
- 482S GUATEMALA. R. Mam. 1235-1241. SC. ID w/vocals. (27/2 Bobb)
- PERU. LV de la Selva. 1011-?????. SS. Musical programme w/ID. (25/2 Field)
- 4830 VENEZUELA. R. Tachira. 0237-0303. SE. Variety of LA pops and vocals, ad's for "Lote Tachira", "Casa Ganadera", "Commercial La Perla", and a chinese restaurant, good signal. (26/2 Brouillette)
- 483S INDONESIA. RRI Ambon. 1200-?????. Down from 4845 KHz, local news at 1400(not a relay via Jakarta). Heard as late as 1504. (Various. Vranes) (27/2 Bobb)
- 484C BEIN. RB Cotonou. 0455-?????. FF. Nat'l anthem, ID "Ici La Voix De La Revolution Beninoise". (6/2 Roberts)
- VENEZUELA. R. Valera. 0110-0150. SS. LA pops. (22/2 Jordan)
- 484S MAURITANIA. ORTM. 2250-2305. Arabic. Recitations(not "chanting"), ID in AM @ 2300 and the presumed news. (7/2 Rugg)
- 486C MOZAMBIQUE. RM. 0352-0408. PT. Lively AF mx. (26/2 Tuchscherer)—according to CBS news last night(7/3), Mocambique has been voted the worst place to live in the world because of civil war and food shortages.
- 487? BRASIL. R' Boa Vista. 0954-1004. PT. ID and talks. (4/3 Bobb)
- 489C BRASILEL. RB. 1458-1530. II. Sub-continental mx, pips and news(presumed) read by CM, economic reports in EE w/reaction to said reports at 1505. (no date. Johnson)—how about some dates next time around!!!
- PAPEL NEW GUYANA. R. Port Moresby. 1310. EE. Pop mx programme, QRI' from SS SSB transmission. (12/2 Rippel); @1340 w/music and regional wx(12/2 Jordan); 1230 w/speech in Parliament w/CM addressing "Mr. Speaker". (2/3 Field)
- 489S BRASIL. R. Bare. 0350-0400. FT. S/off annt by CM then chorus music.(no date/Johnson)

A nice selection this month. This months episode brought to you by the Washington State DXing team of Tutak and Hashiwabara as well as guest appearances by Chuck Rippel in Virginia, Richard D'Angelo in PA, Monsieur Rugg in Quebec, and many others. Thanks to all and C' 30!!! 73's.

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**FOR SALE:** Yaesu FRG-7 in good condition, \$175.00. Michael D. Jakcsy, P.O. Box 1102, North Chicago, IL 60064. Phone (312) 689-1188.

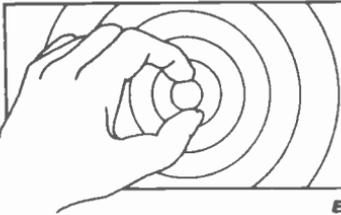
**FOR SALE:** Sony ICF 6700W, \$150.00. Customized Beam Headings (from/to) and Distances (Mi/Km) to over 415 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$5.85. FRENDX complete '84, '85, or '86, \$5.00 each. Confidential Frequency List and Guide to RTTY Frequencies, \$4.00 each. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

**WANTED:** Sony CRF-320A. L.G. Fordyce, Box 2194, Seattle, WA 98111.

**WANTED:** Information on the Teletron All Wave Receiver with LW, AM, FM, five SW bands, SSB, and AFC. Only analogue display with country names written along the bands. Fast and fine tuning arrangement. Used six D batteries. No manual or technical drawing available and no indication as to who manufactured the rig. Can any member who knows please tell me? Dzever Ishenge, State Epidemiological Unit, PMB 102009, Benue State, Nigeria.

**WANTED:** One used First Day Cover put out by the Canadian Post Office commemorating the recent RCI anniversary issued at the time of the 1986 ANARC convention. Postage will be paid if you are living inside U.S.A. Please write to Richard Lemke, 60 Butterfield Crescent, St. Albert, Alberta, Canada T8N 2W7.

NO COLLECT CALLS ON THESE ADS, PLEASE.



# LOG REPORT

## section B

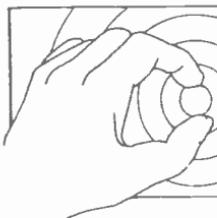
4900 to 6199 kHz

Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

Marshall Islands a new country, and widely heard, on 4940 . . .

- 4909 PERU R. Tawantinsuyo, poor-good 0128 3-10, ID, TCs, mx romantica, clearly //6174 (Howard-CA); ID 1042 2-16, audio improved 1044, fair signal (Allen-CK).
- 4920 AUSTRALIA APC-Brisbane, cool jazz 1250 2-12, ID, nx, clas./jazz mx, good (Jordan).
- 4930 HAITI 4VEN, polkas 1305 2-11, FR talks, mixed mx, nx 1330, 1340 fade-out (Jordan).
- 4940 IVORY COAST Abidjan, FR 2324 2-4, EG pops to s/off ID, armt, NA, 0001\* (D'Angelo-FA).
- 4940 MARSHALL IS. WSZO, Majuro now on SW. Hrd by Tutak-WA 3-5 at 0716 with rock mx, C&W, vernac (Marshalese) armts. EG 0800, island mx, TC 0900, vernac nx, EG nx, wx, sports, more mx; vernac and EG IDs arnd 1000, 1003\* after choral anthem. Amncs 10 kw, also on 6070 (till 0600 I think--JB). And hrd 3-6 by Howard-CA, full ID 100C, 1003\*. Not hrd 3-8, but vy good 3-9. And good here daily as well (JB).
- 4945 BOLIVIA Tent. R. Illimani, vocals 0245 3-1, "El Condor Pasa," no clear ID but many mentions of "Boliviana"; poor signal (Kashiwabara-CA).
- 4950 PERU R. Madre de Dios, vocals, amnts, ID at 0200\* (Johnson-CA); instr.NA \*1038 3-1, full s/on ID, fqs, poor generally but peaks fair (D'Angelo-PA).
- 4952 ANGOLA R. Nacional, drama to 0300 ID 2-5, nx, EZL mx vocals; poor (D'Angelo-FA).
- 4960 ECUADOR R. Federacion, s/- 1 kHz 1025 3-1, talks, ID 1045, poor and garbled (Jordan); tent. them 1125 2-15, very poor audio, weak and fading, LA mx, man DJ (Dillon-MD).
- 4960 MADAGASCAR Tananarive, tune-in to drums IS 0257 3-1, choral NA, opening amnts, religious mx and talk at 0300 (Alexander-PA).
- 4965 BRAZIL R. Poti, ID 0320 2-19, instr.-mx to 0354, ID, s/off armts, vocal to 0356\*(D'Angelo-PA).
- 4965 PERU R. San Miguel, EZL mx, strings, 0327, few armts but ID on half hr(Johnson-CA). PA).
- 4970 VENEZUELA R. Rumbos, 0857-0911 2-10, NA in progress, fanfare, complete ID and greetings, interesting opening mx, talk, TCs, fair signal (Bobb-MN).
- 4973 CLANDESTINE Voz de Resistencia de Galo Negro, fast-paced: Afr mx 0333 2-11, PT talking, much variety in music; some shouting. Again 2-12, not hrd 2-13. No clear ID, but must be them (Johnson-CA). UNITA stn located in Jamba, near Sa da Bandeira (JB). Hrd 0416 3-6, PT black Afr mx with drums, talks abt Angola, poor sig (Kashiwabara-CA); 0402 2-8, talks abt Angola, mx features, mostly "presumed" as hard to get ID(D'Angelo-PA).
- 4975 COLOMBIA Ondas del Ortegua, 2-16 with complete ID at 1012, then mx (Field-MI); hrd 1105 2-15, lively LA mx, TC, ID, "musica Colombiana," brief armts; fair sig (Dillon-MD).
- 4976 UGANDA Kampala, EG at \*0259 3-6, xylophone IS, native mx, poor and fading (Buer-FL); 0407 2-5, EG nx, ID 0413; poor, but much better next day (D'Angelo-PA).
- 4980 VENEZUELA Ecos del Torbes, ads 0201 2-22, ID, Venez mentions, ID, pops, good (Dillon-MD).
- 4991 PERU R. Ancash, 0217-0234 tune-out, all huaynos, ID 0229 3-3 (Tuchscherer-WI).
- 4995 MONGOLIA Ulan Bator HS, 1535 with instr.-mx, M&W alternating ancrs, s/off armts 1555, NA; checked NA and it was indeed the Mongolian NA; 1558\* (Johnson-CA).
- 4996 PERU R. Andina, 1030 with lively local mx 3-1, Indian flavor, maybe some nx, IDs at 1041, 1042, then carnival-like mx, very upbeat; poor sig overall (Jordan).
- 5005 USSR RID time sig stn, poor 1647 with open carrier; morse ID "R-I-D" over and over at 1649, silence, then long and short pips at 1650; Nepal underneath (Park-HI).
- 5005 UNID. Hrd 1302-1415 2-23, talk in unid.lang, M&W to 1315, more talk, local mx (wailing) to 1400, more talk and mx followed; barely threshold level; no ID discerned (Tutak-WA).
- 5015 CLANDESTINE R. Truth, propaganda talk 0433 3-4, mx interludes, definite ID 0447, in USB (Buer-FL); \*0430-0502\* 2-5, drums, chirping bird IS, greetings in EG, into nx(D'Angelo-PA).
- 5020 VENEZUELA R. Nacional, mx prgm 2-24, a seldom-hrd ID at 0258:(Field-MI); at 0400 on 2-15 with wall-to-wall US rock and pops, some SP mx arnd 0530; hrd well past 0630 (Jordan); LA mx 1045 2-15, man DJ, mentions of Venez, ID 1101, reveille, fair (Dillon-MD).
- 5025 CUBA R. Rebelde, live broadcast at presumed sports event 0145 2-22, canned ID at 0151, two male sportscasters, fair signal (Dillon-MD).
- 5030 PERU R. Los Andes, great variety of mx 2352-0206\* 2-24/25, echo ID by man 0100 (Tuchscherer-WI); NA at 1013 2-25, complete ID at s/on (Field-MI).
- 5035 KAZAKH SSR Alma Ata on 3-4 at 1229 with IS similar to Moscow's, then M&W in unid. language; faded out by 1245 (Field-MI).
- 5040 ECUADOR LV del Upano, SP and US rock and disco mx 0115-0145, ID by man 0125 over mx, ID and gong at 0130 (Dillon-MD).
- 5050 ECUADOR R. Jesus del Gran Poder, relig.talk 1021 on 2-15, ID 1040, fair sig (Dillon-MD).
- 5060 ECUADOR R. Nacl.Progreso, full ID 0422 3-3, multi-amncrs, lively vocal and instr.-mx, spot IDs, NA to 0508\*, fair-good sig (Jordan); instr.-mx in progress at 1013 3-4, M&W

- talking, mentions of Loja, then into Andean mx; fair sig, in WRN (Bobb-MN).
- 5075 CHINA Urumqi presumed at 0837-0844 with contemporary CH mx, short IDs (Kashiwabara-CA).
- 5095 COLOMBIA R. Sutatenza, good-vy good 2310 2-12, M&W with interview, elaborate ID, ad string, talk, mx, IDs on hr (Jordan); ID 0059 2-22, talk but usual CW QRM (Dillon-MD).
- 5131.4 PERU R. Vision, flute and drum mx with yipping 1106 3-4, IDs after TCs 1112, 1121; usually weak with ute QRM (Allen-OK); tent. them to 0400\*, 2-20 only (Tuchscherer-WI).
- 5191 ANGOLA Tent. ER do Moxico, 2217-2240\* 2-14, hilife mx, ballads, pop mx, talk by man, NA (Paszkiewicz-WI).
- 5274 PERU R. Onda Popular, 0406-0416 tune-out 2-20, ID, march mx, TC, LA songs, new stn, hrd several times (Tuchscherer-WI).
- 5288 CHAD R. Moundou, 3-note IS, anthem 0456, choral singing, armts, hilife, sig improving, ID hrd 0523 (Johnson-CA); local mx, man talking 0517-0532 2-20 (Tuchscherer-WI).
- 5505 BELGIA R.2 de Febrero, weak with orch.mx 0200 2-16, ID 0208, mx to 0211\* (Allen-OK).
- 5889 CLANDESTINE LV de la UMC, 0230-0245 3-1, fair in RTTY, talk, ID, mx breaks (Alexander-PA); 0250-0301\* with SF political talks, ID and fgy armts, poor sig (Kashiwabara-CA).
- 591C HAITI R. Lumiere, 0310 2-27, Creole, ID 0330, then into SF (Roberts). Huh?--JB.
- 591C USSR R. Orbita prgm, poor 1015 2-16 in RS, live Gorbachev bc, //5940 (Park-HI).
- 5915 USSR RM. in EG 0250 2-9, "Front Seat & Backstage" clas.mx, //5940 (Bauernhuber).
- 5925 PIRATF R. Clandestine, R&H tunes 0227 2-16, ad for salesman repellent, cmtry by RFBurns, fair-poor sig (Allen-OK). This one's survived a long time, eh? JB.
- 5930 CZECHOSLAVAKIA Prague, EG Sunday Magazine 0100 3-2, Sun Concert (Tomko); EG nx 0103 2-27, fair sig (Kashiwabara-CA); SF prgm 0245 2-9, exc sig (Bauernhuber); Sun Mag 0305 3-2, fair signal (Hogan); 0300-0357 in EG 2-8, IS, anthem, nx, SF 0200-0300, //7345 (very weak), 11990 (weak), 6015/6055 unhrd (Jordan).
- 5940 USSR Tent. R. Orbita prgm via R. Magadar, poor 1020 in RS, 2-16 (Park-HI).
- 5955 COLOMBIA LV de los Centauros, complete ID at 0458 3-1, off with NA (Field-MI).
- 5960 ALASKA KNSL, fair 1004 3-2 with jazz, talk on personal problems, Tokyo QRM (Park-HI).
- 5973 JAPAN Tokyo, PT 1017 3-2 with JP language lessons, ex-5990; good sig (Park-HI).
- 5980 TURKEY Ankara, in Turkish 1932-1947 2-16, Turkish mx, ID 1936, fair sig (Leite-MA)./
- 5985 USA VoFC over WFR, EG nx, cmtry on pol. reform in Taiwan, 0200 (Bauernhuber). Hi Steve--JB.
- 5993 JAPAN Tokyo, good signal with EG ID at 1430 on 2-12 (Davee).
- 5995 AUSTRALIA RA, 0950-1100 2-14, EG and Pidgin to PNG, IDs, nx every half-hr, American pope, fair till wiped out by WHRI s/on at 1100 (Cobb-ME).
- 5995 ENGLAND RCI over BBC, poor in EG 2000, 2030\* (Field-MI).
- 6000 USSR RM, 0308-0330 2-25, EG talks, hum on sig (Bonnet-IN). Cuba? JB.
- 6005 CANADA CFCX, old time mx hrd 1645-1715 3-1 (Tomko).
- 6015 ZANZIBAR Tent. Zanzibar at \*0258 on 2-23, test tone, xylophone (not celeste) IS, six pipe, talk by man, not //5050 or 4785 which were in //. Also hrd earlier in Feb from arnd 1445 past 1500 //11734 after 1500. Several IDs in AMs but not eves (Allen-OK).
- 6020 HOLLAND RN, EG "Newline" 0230 2-9, exc sig (Bauernhuber); "Wed Rpt" 0244 2-12, good signal (Sampson-WI); "Rpt from Holland" 0300 2-27, //6165, 9590, 9895 (Bauernhuber).
- 6030 PHILIPPINES VOA, fair 1420 in Korean, talk abt "Platoon", nx, 1430\* 2-24 (Park-HI).
- 6040 W.GERMANY Dw, exc with nx, classical mx 0100 3-1 (Bauernhuber).
- 6045 URUGUAY R. Sport, ID hrd 1009 2-27, ad, vocal mx, poor copy (Allen-OK).
- 6045.5 PERU R. Santa Rosa, Andean folk vocals 1034 2-21, ID and stn promo 1125, Catholic mass from 1135, poor sig (Allen-OK).
- 6055 JAPAN RCI prgm over NSB, JP-EG IDs 0855-0900, Vancouver address, into NSB JP ads, fair sig, //3925, 9595 (Kashiwabara-CA).
- 6055.4 PERU R. Continental hrd on tip from Dave Valko, Hawaiian guitar 1018 3-4, many TCs, mentions of Arequipa, IDs, poor sig (Allen-OK); 1042 on 3-3, nx, LA mx, TCs (Tuchscherer).
- 6070 CANADA CFRX, Big Ten trivia quiz prgm at 1600-1630 on 3-1 (Tomko).
- 6070 USSR RM Nam Svc, fair in EG 0750-0800\*, ethnic folk mx, "Tonight" prgm, 2-9 (Park-HI).
- 6110 ENGLAND BBC, IS 0010 2-14, EG ID 0015 for "London calling L.Am," into SF nx (Roberts).
- 6115 PERU R. Union, LA mx 0731 3-5, huaynos, ID 0749 (Tuchscherer-WI); 0755 with LA mx and Indian mx, man anncr, ID 0805, on 2-8 (Roberts).
- 6120 W.GERMANY DW, EG nx 0500 3-8, excellent signal (Hogan).
- 6125 E.GERMANY RFI, EG nx 2150 2-5, ID, mx, nuclear cmtry (Nelson-ND); EG 2155-2215 2-22, variety of features with M&W hosts (Brouillette); EG mailbag prgm, mx, 2200-2230 3-1 (Tomko); talk on DX rpts 2202 2-1, museum island, good signal (Levison-PA).
- 6125 SPAIN Madrid, 2358 2-14, IS, trumpets, EG ID, address, into EG nx (Roberts).
- 6125 USA VOA-Bethany, fair in EG closing Bobby Blue Bland mx prgm, 0701\* 2-13 (Park-HI).
- 6130 CANADA CHNX, pops 1253, ID, ads, nx, wx, sports, TC, 2-14 (Paszkiewicz-WI).
- 6135 S.KOREA Seoul, fair 1348-1400 3-8 with EG nx, full ID 1359 (Howard-CA).
- 6150 AUSTRALIA ABC-Lyndhurst, nx 1104 3-1, Sun Nite Show, 40-60's mx, fair (D'Angelo-PA).
- 6150 KENYA Nairobi, mx 1415 3-3, tones and ID 1430, EG ID 1500 (Allen-OK).
- 6155 AUSTRIA Vienna, prgm on church pilgrimages 0130 3-1, poor (Bauernhuber); 0130-0200 2-13, nx, talk on train history (Tomko); 0321 2-15, clas.mx, EG ID, Daily Rpt (Roberts).
- 6155 NETE.ANTILLES RN-Bonaire, IS 0428 2-14, ID, NA, into nx by gal (Roberts).
- 6160 ANTIGUA DW relay, EG Sun Panorama 0910 3-1, Asian Svc ID, relay ID at 0949\* (Bobb-MN).
- 6160 CANADA CKZN-St.Johns, very good with wx 1028 3-5, CBC nx, TC, sports (Howard-CA).
- 6175 FR.GUIANA Montsineri, fair in SF 1010, Newsmagazine, 2-12, USSR underneath (Park-HI).
- 6185 S.AFRICA R. RSA, EG nx, DX prgm, 0200-C255 2-16 (Tomko). +++ Till May, 73.



# LOG REPORT

## section C

6200 to 11699 kHz

Editor: Joe Freeborn, Bldg. 877, Apt. 625, Governors Island, NY 10004

- 5031 PERU R. Los Andes 0132, Mostly SP pop mx w/ID and a mention of role as "National" stn in this anmct at 0155 (Johnson-CA)
- 6070 BULGARIA R. Sofia 0030-0050 EG, M/F ancrrs w/Spectrum nx show and DX show at 0045, ID's. (Cobb-ME 2/9)
- 6185t NETHERLAND ANTILLES TWR \*0102-0135\* SP. Long IS w/ID by OM into religious talk, music features & other talks. (Jordan-PA 2/25)
- 6185t S. AFRICA RSA 0200-0230\* EG, IS, News & cmntry. (Jordan-PA 2/25)
- 6205 ECUADOR HCJB 0338-0433 RS, M w/tlk, ID at 0400 into more tlk poss. news. ID in RS 0429, into GM. (Hollerman-AL 2/10)
- 6220 IRAN V.O.I.R.I. 2140-2215\* Farsi. Hrd here from 6210 as rpt'd by Glenn Hauser. //9022. (Vranes-IA 2/6)
- 6230 ECUADOR HCJB 0310 "Guideline for Family Living" (Bauernhuber 2/9)
- 6250t VATICAN Vatican Radio 2300-0100\* EG, "Music in the Nite", music sels, px & ID's in EG into unk. lang by OM. (Jordan-PA 2/24)
- 6300 TAIWAN WYFR 2300-2305 EG, to China, ID at 2300. into religious pgmng, deep QSB and QRM. poor sig. (Buer-FL 3/3)
- 6550 LEBANON V. of Lebanon 0510 AR. nx pgm. good sig. (Field-MI 3/4)
- 6571.2 PERU R. Tacna 0243-0409 SP, Talk by man with LA songs from 0300. (Tuchscherer)
- 6790 CHINA Central Peoples BS 1129-1146 CH. OM and YL in CH talking about Taiwan. SIO343 (Leite-MA 2/16)
- 7105 MONACO TWR \*0720 EG, s/on w/mx box IS, opening ancmts at 0725. freq. given as 7.1mhz, into rel. pgmng. (Alexander-PA 2/14)
- 7110 CLAND. V. of Mujahadeen-e-Khalq 2002 Farsi, Poss. Iraq?, AR mx, M/W w/speech in reverb, jammed. //5960. (Klein 2/3)
- 7115 BULGARIA R. Sofia 0436 EG, anti US talks. (Walley-CA 1/29)
- 7115 USSR R. Moscow 2009-2057\* EG, Wld Svc, news, ID's, cmntry on world events. (Jordan-PA 2/15)
- 7120 IRAQ R. Baghdad 2100 EG, news and music w/political cmntry, sig was fair w/some co-channel interference. (2/16) ....name????
- 7120 LIBYA R. Jamahiriya AR, news w/YL ancrr, tlk & mx. (Kilgallen 2/17)
- 7165 ITALY AWR 0835-0859 EG, rel. radio-play, ID 0859. (Alexander 2/8)
- 7180 CYPRUS CBC \*2215-2245\* GK, poss. IS and ID into Greek music pgm w cmntry and ancmts, poor sig. (Jordan-PA 2/15)
- 7191 UNID. R. Nac. de Angola? 0400 & 2302, Poss. Angola?, PT lang. hrd w/nx at 2300. anmts hrd and cmntry similar to Angola, need help with this one. (Vranes-IA).....any ideas out there???jf
- 7200t CLAND. V. of the Crusader, R. Mujahed 1415-1445 Farsi, Readable only this day w/AR mx and cmntry. ID. (Allen-OK 2/18)
- 7210 SWAZILAND TWR 0500-0505 EG, "Back to Bible" (Tuchscherer 2/20)
- 7215 AUSTRALIA R. Australia 1130-1150 EG, Technology exhibit profiled, ID and mx. SIO 353. //9580 poor. (Cobb-ME 2/12)
- 7240 YUGOSLAVIA R. Yugoslavia \*2215-2232 EG, s/on at 2215 w/ID, nx by W-almost nothing abt Yugo, FR pgm at 2230. (Brouillette 2/22)
- 7240 YUGOSLAVIA R. Yugoslavia 2217-2229 EG, News and cmntry, s/off at 2229 w/ID, jammed. (Buer-FL 3/5)
- 7255 NIGERIA V. of Nigeria 0557-0603 EG/FR, US pop mx. ID at 0557, target area given, music, FR at 0600. (Hollerman-AL 2/13)
- 7255 NIGERIA V. of Nigeria 0515-0530 EG. ID. music. (Snyder-NY 2/22)
- 7290 ITALY RAI 1940-1955 EG, news, tourist info. IS. (Burlew-PA 2/27)
- 7300 N. KOREA R. Pyongyang 1136-1140 EG, YL w/news to 1138, interval mx, end of EG pgm w/ID. (Rugg-QUE 2/21)
- 7310 TUNISIA R. Televisionne Tunisienne AR, news, hvy QRM from a slow CW, (poss. beacon?), music. (Kilgallen 2/17)
- 7345 USSR R. Moscow 1427 EG, news brief, "Music & Musicians", music of Alexander Pushkin. ARO QRM. (Sampson-WI 2/11)

7345 SIBERIA R. Moscow 1754-1800 EG, Talk w/Australian and British members at recent Peace Conf. ID & nx. //7315 (Park-HI 2/23)

7345 CZECHOSLOVAKIA R. Prague 0100, nx by F/anncr. //5930 best of all parallels. "Prague Mosaic". mx & travel. (Bauernhuber 3/1)

7355 USA WRNO 0045, "Top 30 USA". Savings Bond promo. (Bauernhuber 3/1)

7355 USA KLNS 1630-1640 EG. IS and ID w/sched, pop mx. (Bob-MN 3/3)

7430 USA WHRI 0337-0400 EG, DX pgm from SCDX'ers. Duke A's DX report. SIO544 (Snyder-NY 2/6)

7400 USA WHRI 0258-0400 EG, R. Earth. WHRI ID, R. Earth ID, ads, into Mailbag and SW Pandamonium. (Dillon-MD 2/22)

7455 SYRIA R. Damascus 2201 EG, ID "This is Damascus" followed by AR music, heard while in PA. SIO433. (Walley-CA 1/27)

7464 ISRAEL Kol Israel 0010-0025 EG, Letterbox, ID'S. (Cobb-ME 2/9)

7465 ISRAEL Kol Israel 0200 EG, "Calling all Listeners" (Hogan 3/2)

7470 CLAND. R. Caiman 0005-0020 SP, music pgm w/m anncr, ID'S after each selection. SIO444. (Cobb-ME 2/16)

7470 CLAND. R. Caiman 0230, W anncr in SP, mx in SP/EG, ID at 0300 as R. Caiman followed by news. (Roberts 2/11)

7475 TUNISIA RTT 2250-2310 AR, found here replacing 7485. //7310 on after 2300. mx and ID approx 2300. (Allen-OK 2/22)

7475 TUNISIA RTT 2150-2330 AR, walls & chants by M. music and tlks into prayers by OM at 2330. Fair to Good sig. (Jordan-PA 2/28)

7480 CHINA R. Beijing 1307-1315 JP, Chinese lesson (Kashiwabara-CA 3/8)

7485 TUNISIA RTT 2320-2335\* AR, tlks by OM, mentions of Iraq/Iran, poss. "Call to Prayer" segment at 2330. ID and off. (Jordan 2/5)

7505 BANGLADESH R. Bangladesh 1839 EG, W w/stn address "PO Box 2 2 O 4, Dhaka", ID by M "Let me remind you that you are tuned to the overseas service of R. Bangladesh, we are broadcasting in....." into Beach Boys/Manilow mx. Was looking for China. UTE QRM, poor signal. (Park-HI 2/12)

7650 USA VOA 0510, M anncr in poss. AR. QRM, ID at 0515. (Roberts 2/15)

9022 IRAN IRIB 2129 AR, Koran chanting followed by W/ann at 2129 in AR, f/out at 2133, no ID. (Roberts 2/20)

9395 GREECE V. of Greece 0310, mx to 0335, ID as "Edo Athene", fanfare and nx in lang, poor sig. (Roberts 2/14)

9420 GREECE V. of Greece 1918 EG, mx, ID, news, poor sig. (Nelson-ND 2/5)

9430 ALBANIA R. Tirana 2050, IS, s/on at 2100, ID as "Ju Flet Tirana" Tlk in lang, w/M & W anncr in lang w/poss. nx. (Roberts 2/9)

9435 ISRAEL Kol Israel 2015-2030 EG, Pgm on birdwatching and health camps in Israel, ID and close into FR at 2030. (Cobb-ME 2/16)

9435 ISRAEL Kol Israel 2025-2030 EG, DX pgm, ID 2029. (Snyder-NY 2/22)

9440 CHINA R. Beijing 1205-1250 Cambodian, xmsn to So. East Asia, Talks, mentions of Viet Nam, cmntry w/brief mx. (Jordan-PA 2/18)

9455 EGYPT R. Cairo 0455 AR, Arabic chanting and music, heard while in PA, SIO232. (Walley-CA 1/29)

9455 USA WMLK 0405 EG, religious pgm. (Field-MI 2/25)

9465 TAIWAN VOFC 2200-2300 EG, Chinese customs, athletics, origin of National Athem, Lang. lesson. (Jordan-PA 3/1)

9465 UNID. 1935-2015 EG, unknown site w/steady tone to 1945, dead air till 2000 then W voice with number loop. Is this new stn?. test xmsn for WCSN? number loop repeated to 2015, fair. (Jordan 1/3)

9475 EGYPT R. Cairo 0300-0330 EG, Egyptian airlines and the use of USA computers, news. (Tomko 2/10)

9470 ARMENIAN SSR R. Yerevan 2200-2300 SP, presumed news with cmntry on US, violin music, ID/IS, more talks. (Jordan-PA 2/23)

9480 ALBANIA R. Tirana 2210 FR, W anncr in FR, news followed by the ID at 2212, "Ici Tirana", exc. signal. (Roberts 2/20)

9490 USSR R. Magellanes 2118 SP, M anncr in SP, flute mx into news w/ID at 2129. (Roberts 2/22)

9500 ALBANIA R. Tirana 2300-2327\* PT, IS, anthem, OM w/nx w/cmny on S. America, presumed more nx, mx. (Jordan-PA 2/5)

9505 N. KOREA RP FS 0400-0403 JP, IS/ID'S "Kochiwaru R. Pyongyang. Chosen hosu", NA, pgm guide, news. (Park-HI 2/5)

9505 JAPAN R. Japan 1858 EG, IS/ID, s/on, news. (Nelson-ND 2/8)

9505 CZECHOSLOVAKIA R. Prague 1140-1150 EG, mx pgm till 1145 w/male anncr w/news, wx, freq, annmct, back to mx. (Cobb-ME 2/10)

9535 BONAIRE TWR 0520 EG, Piano mx, m/anncr in EG w/religious tlk ID at 0523, "This is TWR, Bonaire". (Roberts 2/15)

9535 QATAR QBS 1903-1950 AR, mid east mx and vocals, CM w/tlk of Kuwait, more mx/talks, ID at 1935. (Jordan-PA 2/5)

9535 CHINA R. Beijing 1128 EG, pgm abt China archeology (Walley-CA 2/8)

9540 MADAGASCAR RNW 1851-1925\* EG, "Media Network", w/WARC rpt by Jim Vastenhou and poss. Alistair Maclean being SWL'er (Park-HI 1/5)

9540 VENEZUELA R. Nacional 2135-2145 SP, M/W w/tlk and LA mx, mention of "carnaval", ID at 2140. Fair. (Bobb-MN 2/28)

9542 ALGERIA R. Algiers 1700-0005\* FR/EG/SP, Algiers now here, ex 9509? Hrd early as 1700 w/FR pgms, EG 1900-2000, SP 2000-2100? FR to 0005\*, took awhile to ID. (Vranes-IA 2/8)

9553 EQUATORIAL GUINEA BATA 1950-2009 EG/SP, EG rel. pgm to 2002, ID in SP by OM followed by more rel. pgmning. (D'Angelo-PA 2/16)

9553.1 EQUATORIAL GUINEA R. Nacional BATA 2157-2200\*, tune-in to NA. xmsn off 2200. Not 5004 which closed at 2203. (Alexander 2/21)

9560 GERMANY R. Berlin 0300 EG, news, cmntry, sports (Bauernhuber 2/9)

9560 TURKEY V. of Turkey 2300-2325 EG, review of press (Tomko 2/15)

9560 ETHIOPIA V. of Rev. Ethiopia 1455 EG, ID at 1500, news briefs, domestic talk at 1505. (Jones-TX 2/14)

9560 TURKEY V. of Turkey 2220, not in EG, YL w/mid east mx, YL ancr, no positive ID this time, QRN. (Witte-CA 2/22)

9575 PHILIPPINES VOA 1734-1800 EG, "Now Music USA", top 10 hits for this week. (Park-HI 2/19)

9580 AUSTRALIA R. Australia 1720 EG, "Talkback", propagation outlook, cyclone warning, music and ID. Fair. (Nelson-ND 2/8)

9580 AUSTRALIA R. Australia 1300 EG, world news. (Rippel 2/12)

9581t ZAMBIA R. Zambia 2050-2102 lang?, Afro lang. tlk, poss. news w/talk and music, NA at 2102, poor. (Jordan-PA 2/15)

9585 S. AFRICA RSA 2125-2155\* EG, Woman wonders if reliable news is broadcast by countries of the world. (Bonnet-IN 2/22)

9590 NETHERLAND ANTILLES R. Netherland 0230-0315 EG, news, history of Iran, Media Network. (Tomko 1/13)

9590 CHINA R. Beijing 0940-0955\* CH, Pgm of choral mx by adults and children. s/off. (Park-HI 2/6)

9590 NETHERLANDS R. Netherland 0230-0300 EG, talk of foreign debts by various countries, LA banks, oil prices. (Bonnet-IN 2/25)

9595 JAPAN R. Canada 0855-0900 JP/EG, Intl relay via NSB, ID's with Vancouver address into NSB JP ads, fair. (Kashiwabara-CA 3/7)

9595 ICELAND ISBS Reykjavik 1215-1245, talk in Icelandic lang. mx from 1218-1220, news, ID at 1218/1245, good sig. (Rugg-QUE 2/6)

9610 AUSTRALIA ABC Perth 1500-1520\* EG, Om w/news and wx followed by quiz show. Lite music. (Jordan-PA 2/16)

9610 AUSTRALIA VLW9 Perth 1432 EG, "First Edition" pgm on books with a political nature, classical music. SIO333. (Sampson-WI 2/22)

9615 USA KGEI 1147-1200 SP, rel tlk, ID at 1200 (Dillon-MD 2/15)

9615 S. AFRICA RSA 0202 EG, news, program to combat AIDS, cmtry on sanctions. SIO444 (Sampson-WI 2/12)

9620 PHILIPPINES VOA 1814-1830\* PT, "Musica da Africa", news at 1820, cmntry on Reagan, s/off. QRM RSA. Fair. (Park-HI 2/19)

9625 CANADA CBC Northern Service 0020-0035 Indian (Possa. Cree), mx pgm w/YL ancr, fade at 0030. (Brouillette 2/22)

9640 ANTIGUA BBC 0745 EG, World svc, "Network UK" on government media campaign for AIDS. QRM RNW 9630. (Park-HI 2/5)

9640 U.A.E. UAE Radio Dubai 1630-1642 EG, EG news to 1639 followed by local wx and s/off of EG pgm. //11940.11955 (Rugg-QUE 2/28)

9640 JAPAN NHK 2158 EG, IS w/ID "This is Radio Japan", into JP at 2200, into JP talk after ID. (Roberts 2/22)

9645 COSTA RICA Faro del Caribe 0300-0405\* EG, OM into SP tlk at 0250 M w/ID in EG, EG pgm, rel. pgm. (Jordan-PA 2/12)

9645 VATICAN Vatican Radio 2000 EG, ID. Vatican news by YL, then into other lang. (Nelson-ND 2/5)

9645 GABON R. Japan 2158-2214, relay, IS/ID in EG into unid lang poss JP, Pips at 1700, ID in JP, news. (Rugg-QUE 2/8)

9655 EGYPT R. Cairo 2029 EG, news, ID (Nelson-ND 2/5)

9655 AUSTRALIA R. Australia 0820 EG, pop mx, ID at 0830 followed by news pgm. //9580 11720. (Roberts 2/8)

9660 TURKEY V. of Turkey 1920-1951 TK, music/ID (Tuchscherer 3/1)

9665 SALPAN KYOI 1710 EG/JP, rock mx, ID'S. (Nelson-ND 2/3)

9680.3 MEXICO XEQQ 0237, LA mx and mentions of Mexico, echo effects, M anncr "Musica Tropical", fades with weak signal, ID as "La Tropica". (Johnson-CA).....date?

9684 TANZANIA R. Tanzania 0348+0407 EG, Tribal mx to 0359, ID and time pips, News w/full ID. (D'Angelo-PA 2/16)

9685 PORTUGAL IBRA \*1859-1907 Estonian, IS, EG ID "This is IBRA Radio Portugal", SIO343. (D'Angelo-PA 2/28)

9690 ROMANIA R. Bucharest 1318 EG, music, cmntry. (Levison-PA 2/14)

9690 ARGENTINA RAE 2359-0005 PT, IS, ID'S, music. (Brouillette 2/22)  
 9700 USA AFRTS Delano 1732 EG, UPI news, music. (Park-HI 2/4)  
 9705 SIBERIA Mayak? tent, 2143-2202 RS, lite music. TT's at 2157.  
 ID into news. //17860. ex 9765 switched to Kiev (Park-HI 2/10)  
 9710 SWAZILAND TWR 1929-1944 PT, rel pgming, ID/IS 1944. (Rugg-QUE 2/28)  
 9715 NETHERLANDS R. Netherland 2050 EG, 'Newsline', ID (Nelson-ND 2/5)  
 9720 DENMARK R. Denmark 1731-1803, Danish news/discussion to 1759, ID  
 in Danish/EG at 1800 then gone, good sig. (Rugg-QUE 3/1)  
 9720 SAUDI ARABIA BSKA 1901-1929 EG, YL w/US pop mx. (Rugg-QUE 3/1)  
 9735 OMAN R. Oman 1640-1810\* AR, music, chants, ID and poss news,  
 into more music programming. (Jordan-PA 2/8)  
 9735 PARAGUAY R. Nacional Ascension 0000-0030\* SP, Full ID w/QTH, into  
 discussion, more music selections. (Jordan-PA 2/13)  
 9740 CUBA R. Havana 0030, cmntry on Blacks in US prisons, into SP  
 pop music program. SINPO44444. (Bauernhuber 3/1)  
 9745 SFAIN REE 2257-2300 SP, anthem, IS/ID address. (Snyder-NY 2/22)  
 9750 ENGLAND BBC 1300 EG, world news, human rights in USSR, troops  
 in Zimbabwe, "24 Hours", SIO232. (Sampson-WI 2/14)  
 9760 AUSTRALIA R. Australia 1044 Neo-Melan, DJ w/pop mx. (Park-HI 3/2)  
 9760 KUWAIT R. Kuwait 1839-1934 AR, Discussion of medicine, ID as  
 "Itha'atu Ul-Kuwait", news at 1900. QRM. (Dillon-MD 2/21)  
 9835 HUNGARY R. Budapest 2050-2115 GM/EG, talks in GM, music, into  
 world news and commentary. (Jordan-PA 2/21)  
 9835 HUNGARY R. Budapest 0200-0230 EG, review of Hungarian news, tlk  
 of old Austrian/Hungary battles. (Tomko 2/18)  
 9860 CHINA R. Beijing 1000 RS, IS/ID pgm guide, news. (Park-HI 2/10)  
 9870 ECUADOR HCJB 0205-0230 EG, world salute, music. (Bonnet-IN 2/10)  
 9885 SWITZERLAND Swiss Radic 0205-0230 EG, cmntry, good (Bonnet-IN 2/9)  
 10060t VIET NAM V. of Viet Nam 1303-1325 VT presumed, talks by W at  
 1303, music, cmntry, tough to copy. (Jordan-PA 2/27)  
 11585 ISRAEL Kol Israel 1430-1515 HB, news and cmntry, fair (Jordan 2/5)  
 11645 GREECE V. of Greece 1840-1849\* GK, music w/ID as "Edo Athene",  
 freq. ancmts at s/off. SIO454. (Cobb-ME 2/8)  
 11675 KUWAIT R. Kuwait 1800-1850 EG, music pgm. (Tomko 3/1)  
 11690 CZECHOSLOVAKIA R. Prague 1910-1950 FR/AR, news w/mentions of  
 Moscow, ID at 1928 in FR, IS into tlk. (Jordan-PA 2/16)

Looks like there were several good loggings this time around. Recieved a card from Chuck Oliver in TX asking about AR stn on 7475. From the logs, it looks like Tunisia around 2200-2300. Details in some reports were pretty sparse. Reports that just say news and music aren't too interesting. Try to include the IS type or what the stn ID's as. This will help other listeners more, especially those unfamiliar with the stn. See you all next month and good DX'ing.....

*g*

WANTED: Used GAR-7 frequency readout for FRG-7 or someone who can repair same. Originally sold by Gilfer. Walter Kunz, 134 West Drinker Street, Dunmore, PA 18512. Phone (717) 961-2382.

FOR SALE: 1) Info-Tech M-200F CW/RTTY Decoder with manuals, \$225.00. 2) Drake SPR-4 with 23 crystals covering all LW, M, and SW broadcast frequencies plus most UTE bands. Very well maintained, clean, with original cartons. Just tuned up at Drake. Price \$299.00. 3) Extra crystals for SPR-4: 4.0, 5.0, 7.5, 8.0, 9.0, 10.0, 12.0, 13.5, 14.0, 15.5, 18.5, 25.5. \$5.75 each. 4) DC adapter for SPR-4 in mint condition, \$8.00. 5) Sony ICF-2001 with earphone, AC adapter, manuals, and original cartons, \$90.00. Jim Uerlings, 1437 Pacific Terrace, Klamath Falls, OR 97601. Phone (503) 884-7659 after 0145 GMT.



# LOG REPORT

## section D

### 11700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155

- 11700 DOMINICAN REPUBLIC R. Clarin in SP 2335, SA mx, ID 2337, f (Walley CA 1/29)
- 11710nf CLANDESTINE Radio SPLA in EG \*1300, open w/machine gun fire & ID, mx bridge, nx, items abt PLO, vocals, announc. "This is the Voice of the Sudanese People's Liberation Army, march mx, lang change at 1335 (D'Angelo PA 3/1) ED: Nice catch!
- 11710 ARGENTINA RAE in SP 0158, ID, chimes, Argentine mx, many anmnts (Witte CA 2/22)
- 11735 SWEDEN RSI in EG 1231, tlk on Swedish films, opera concert, f (Dillon MD 2/15)
- 11735 UNITED ARAB EMIRATES Dubai in AR 1640, AR vocals, ID 1700, QRM KCBI, also in AR 1610 w/pgm of trad AR folk mx, ID, nx?, vg (Vranes IA 2/4)
- 11735 TANZANIA RT Zanzibar in SH? 1716, Mideast mx, flutes, f/o 1800 (Jordan PA 3/2) ED: What with the competition from KCBI and UAE, this rates as one fine catch.
- 11740 IRAQ R. Baghdad in AR 1650-1701\*, instr & vocal sels, ID 1658, f (Jordan PA 3/2)
- 11745 BRAZIL R. Nacional in EG 0200, tlk re production of tobacco, mx (Bonnet IN 2/8)
- 11745nf ICELAND ISBS Reykjavik in IC 1600, IS xylophone mx, ID, nx, f-p (D'Angelo PA)
- 11761 COOK ISLANDS RCI in Maori 0725, ezl mx, DJ, ID in EG 0755, p (Tutak WA 2/11)
- 11780 BRAZIL RN de Amazonia in PT 2040, futbol, frequent ID's, f (Witte CA 2/22)
- 11790 USSR R. Yerevan in lang? 0340, relig mx, ID & tlk in EG 0355 (Roberts SASK)
- 11800 GABON R. Japan relay in EG 2344, tlk re trad JP puppeteering, f (Brouillette FL)
- 11805 BRAZIL R. Globo in PT 0005, "beer hall" chorus, ID's, skit, futbol (Jordan PA) pop mx, ads, phone-talk, f-g at 0040 (Alexander PA) bossa nova 0105 (Johnson CA)
- 11815t UNITED ARAB EMIRATES Dubai in AR 2130, ID?, definit ment of QTH, into discussions w/ref to Libya, Syria, Assad, Beirut, Kuwait, & Saudi Arabia (Jordan PA 2/22)
- 11830 LIBERIA ELWA in Fulfulde 1801, flute & bouncy drum mx, ID, tlks (Park HI 2/26)
- 11856 BRAZIL R. Aparecida in PT 0059, ID, tlk, ezl BR mx, //5035 (Alexander PA 3/1)
- 11862nf VENEZUELA R. Nacional in SP 0011, "La Hora Nacional", LA mx, nx (Brouillette FL) rock vocals 0135, //5035 (D'Angelo PA) SP pops 0017 (Alexander PA) Former 11852
- 11880 AUSTRALIA ABC Lyndhurst in EG 1853, IS, fanfare, ID, nx, g (Tutak WA 2/5)
- 11900 SOUTH AFRICA RSA in EG 2100, nx & cmtry on bad world press, ID (Cobb ME 2/16)
- 11905 BRAZIL R. Universo in PT 0240, BR pops & tlk, ID 0255, jingles (D'Angelo PA)
- 11910 HUNGARY R. Budapest in EG 1513, IS, ID, DX pgm, f-p (Bobb MN 3/3)
- 11920 MOROCCO RIM Rabat in AR 2053, AR chants, oocas chatter, ID 2102 (Rugg QUE 2/7)
- 11940 SINGAPORE Radio One in EG 0933, instr mx, F DJ, D. Hall's Dreamtime (Park HI)
- 11945 CHINA R. Beijing in EG 0350, violin mx, ID 0355 (Roberts SASK 2/15)
- 11955 UNITED ARAB EMIRATES Dubai in AR 1651, chants, //9535, nx, f (Walley CA 1/29) AR mx & ID 1600, then ID in EG & mailbag, //11940, g (Rugg QUE 2/28)
- 11960 ECUADOR R. Nacional del Ecuador via HCJB in SP 0030, pips, ID, nx, features, (D'Angelo PA 2/17) Andean mx 0057, time pips and ID on the hour (Johnson CA)
- 11990 KUWAIT RK in AR 1945, culture pgm, ID 1957, TC 2000, f (Dillon MD 2/22)
- 12005 TUNISIA R. Tunis in AR 1900, dramatic orch mx, ID, tlks, f (Jordan PA 2/8) monologue, ID, AR orch mx, f at 1905-1945 (Dillon MD 2/22)
- 12015t CHINA R. Beijing in lang? 1215, tlks, nx?, arias, oriental mx (Jordan PA 2/27)
- 12035 SWITZERLAND SRI in EG 2100, nx, "SW Merry-Go-Round" (Tomko NJ 3/7) "Dateline" pgm, Bern wx report, tlk on AIDS & panda situation, ID, f at 2119 (Bobb MN 3/4)
- 12070t USSR R. Moscow? in lang? 1715, "Mayak" pgm, IS 1730, ID?, nx?, g (Hollerman AL)
- 12070 USSR R. Atlantika in RS \*1300-1400\*, pips, ID, mx, nx?, interviews (Jordan PA)
- 12080 ISRAEL Kol Israel in RS 1455, IS, pips, then jamming wipe out (Hollerman AL)
- 12085 SYRIA R. Damascus in EG 2006, nx, ID, mx (Nelson ND) pgm in EG 2024, ID, AR mx (Snyder NY) 1958 w/FR to Eur, then EG pgm w/ID & sked 2005, march mx, nx, press review, ID, NA & s/off 2105 (Tutak WA) political cmtry in EG 2020 (Jordan PA)
- 13000 CUBA RHC in SP 2009-2022, SP mx, several ID's, test?, g (Hollerman AL 2/13)
- 13770 NETHERLANDS RN Flevo in EG 1505-1525\*, ID, nx, media network tlk (Davee 2/12)
- 13790nf USSR R. Moscow in EG 1532, "Focus on Asia", tlks, interviews (Jordan PA 2/16)
- 15105 WEST GERMANY DW in PT 2232, ID "La Voz de Alemania" (Roberts SASK 2/22)
- 15140 NORTH KOREA R. Pyongyang in EG 0045, ID, list of fqys, mx (Hollerman AL 2/15)
- 15140 CHILE R. Sistema Nacional in SP 2332, futbol, spot ID's, scores (Jordan PA 2/28)
- 15145 WEST GERMANY R. Free Europe in PL 1723-1800\*, vocals, speeches, drums 1750, into tlk, ID 1800, jamming (Hollerman AL 1/25) ED: RDI sites this xmtr in Portugal?
- 15165 DENMARK RD in EG/DN 1600, ID in both langs, into DN tlks, f (Bobb MN 2/17)
- 15185 SRI LANKA DW relay in IN \*0825, IS, tlk re smoking, mx, vg (Ruer FL 3/1)
- 15200 GABON Africa #1 in FR 1130, phone-in, AF highlife mx, ID's, g (Cobb ME 2/18)

- 15205 ALGERIA R. Algiers in AR 1836, Mideast nx, ID 1852, remote rpts, disco mx, f (Dillon MD 2/22) AR tlks 1710, AR instr & vocals, dead air 1758-1800 (Jordan PA)
- 15245 ZAIRE LV du Zaire in FR 2232, great AF mx & male tlk (Tuchscherer WI 2/24)
- 15250 PORTUGAL RP in EG 1730 after pgm in FR, accordion mx, ID, nx, wx (Jordan PA)
- 15285 PORTUGAL RP in PT 1509, tribal mx, tlk, several songs, ID, g (Hollerman AL 1/31)
- 15320 AUSTRIA RAI in EG 1230, mailbag pgm, exc (Leite MA 2/19)
- 15335 MOROCCO RTVM in AR 1715-1801, AR mx, ID 1730 & 1758, f (Dillon MD 2/21)
- 15345 SWEDEN RSI in EG 1405, ID, nx, g (Davee 2/12)
- 15345 TAIWAN VOFC in EG 0340, local pop mx, ID, chatter, into CH 0346 (Park HI 2/19)
- 15400 UNITED KINGDOM BBC in PT 2042, "World Tonight", ID, tlk, mx (Hollerman AL 2/13)
- 15405 NO. MARIANAS KYOI Saipan in EG 2225, top 40 mx, QRM from DW (Park HI 2/17)
- 15420 GUAM KTWR in IN 2310-2330\*, gospel mx, tlks, s/off w/ID, IS (Buer FL 3/3)
- 15460 COSTA RICA AWR/R. Lira in SP 1830, ID, continuous tlk to 1900, f-p (D'Angelo PA) in SP 1920-2110, no solid details for positive ID, relig mx (Jordan PA 2/15)
- 15475 USSR R. Moscow in EG 1533, "Focus on Asia & the Pacific", ID (Hollerman AL 1/31)
- 15495 KUWAIT RK in AR 1805-1833, AR mx, ID, nx, f/out 1830, f (Dillon MD 2/21)
- 15510nf CANADA RCI? in EG 2056, rock mx, IS at 2059, p (Hollerman AL 2/13) ED: Has anybody else heard RCI on this new frequency? Spur perhaps?
- 15540 BELGIUM RTBFI in FR 1615-1645\*, US pop mx of 50's & 60's, sports rpt, ID's, nice jazz vocals, records in EG but all else in FR (Jordan PA 3/2) ED: Latest freq listings from Belgium indicate this freq discontinued after 3/29.
- 15575 SOUTH KOREA RK in EG 0050, tlk explaining SINPO code, freqs, ID (Hollerman AL)
- 15590 BELGIUM BRTV in EG 1330, nx, "Industry & Technology", f (Sampson WI 2/27) in FR \*1400-1430\*, IS 1357, solo mx instr, pips, nx, sports pgm (Jordan PA 3/3)
- 15615 ISRAEL Kol Israel in HB 1350, ID "Reshet Bet", ad, g (Snyder NY 3/1)
- 17565 GREECE VOG in EG 1542, political nx, ID (Jordan PA 2/5, Davee 2/13)
- 17595 MOROCCO RTVM in AR 1430-1510, AR mx, male vocals, ID 1501, world & local nx, f (Dillon MD 2/23) in AR 1603-1645+, nx, mournful vocals, readings (Jordan PA)
- 17610 TUNISIA R. Tunis in AR 1402, nx headlines, AR mx, panel discussion (Dillon MD) in AR/FR 1340-1415, variety of AR vocals & slow instrumentals, nx brief, into FR pgm 1400, ID, f (Jordan PA 2/8)
- 17735 PHILIPPINE IS. VOA relay in EG 0130, "VOA Wednesday Morning", p (Park HI 2/11)
- 17775 UNITED ARAB EMIRATES R. Dubai in EG 1335, world nx, ID, modern AR poets, QRM from REE 17770, into AR 1354, AR mx (Dillon MD 2/23-f), Jordan PA 2/16-exc)
- 17790 ECUADOR HCJB Quito in EG 1910, letter box show, ID, exc (Cobb ME 2/8)
- 17795 AUSTRALIA RA in EG 2132, tlks- "Ford is the best selling car in Australia", mx (Bonnet IN 3/1) in EG 2250, world nx, pop mx, g (Jordan PA 2/19)
- 17800 RWANDA DWelle relay in EG 1130, world nx, ID, "Hello Africa", f-g (Cobb ME)
- 17815 MOROCCO RTVM in AR 1302-1335, Mideast nx, ID 1327, p (Dillon MD 2/23)
- 17840 VATICAN STATE VR in EG 1201, Catholic nx, into AF lang 1211, f (Dillon MD 2/15)
- 17890 ECUADOR HCJB Quito in SP 2102, mailbag program, f (Schanke WI 2/11)
- 21540 EAST GERMANY RBI in EG 1345, cntry, rpt on intl peace movement (Levison PA)
- 21575 SPAIN REE in SP 1220-1310, world & regional nx, SP guitar mx (Jordan PA 3/3)
- 21645 LITVA R. Jamahiriya in AR 1230-1325, steady half hr of fervent patriotic crowd chants, into lecture 1300 & polemics 1320, vg (Jordan PA 3/2, Klein 2/23)
- 21725 VATICAN STATE VR in SP 1403-1430\*, tlks w/ref to the Vatican & L Am, interviews & round tables, ID's, vg (Jordan PA 3/1)

\*\*\*\*\*  
 I would like to remind members again of my policy of not repeating loggings listed in the previous month's issue. Also I do not list VOA, AFRTS, or other stateside mxns unless the reporter has some unusual information to report such as frequency change, new stations etc. Thanks to those who take the trouble to arrange their loggings in frequency order.  
 \*\*\*\*\*

FOR SALE: Yaesu FRG-7 Communications Receiver, 500 kHz to 29.9 MHz with Gilfer GAR-7 Digital Readout. Complete with manuals, \$150.00. Yaesu FRG-7000 Communications Receiver, 250 kHz to 29.9 MHz, with digital readout and 24-hour clock built in. Complete with manuals, \$175.00. Panasonic RF-2200 Portable Communications Receiver, 530 kHz to 24 MHz and FM, \$125.00. Autek Research SSB/CW/AM filter complete with manuals, \$50.00. Palomar Engineers 1.8-54 MHz Antenna Preamplifier, \$50.00. Atronics Morse Code Reader, \$40.00. All prices are negotiable. Abe Lewkowicz, 13 Blanchard Road, Apt. #1, South Weymouth, MA 02190. Phone (617) 331-5500 after 2300 GMT or leave message.

A NASWA EXCLUSIVE

7:48:55 3/28/1987

A last minute telephone call from the publisher told us of a problem with pages. Not enough room! So... some last minute adjustments at press time. Selected from the normal four pages of updates are some of the more interesting schedule changes in times and frequencies. Watch out for the silliness of standard-to-summer time changes both in Europe and NA. Next month we'll have a full schedules and full DX shows listing... in the meantime, those of you with micros and modems can keep up to date with changes as posted in the SWL conference on the Pinelands RBBBS.

If you receive printed schedules from some of the smaller broadcasters that you would otherwise toss, how about sending them along for use here? If you are writing for QSLs, ask them to place us on their schedule mailing list too (use the address below).

Thomas R. Sundstrom  
PO Box 2275  
Vincentown  
NJ 08088-2275

          : The SOURCE: BLCF811  
          : Computerve: (send via MCI Mail)  
          : MCI Mail: 244-6376  
          : Telex: 6502446376 (via WU1)  
          : Packet Radio: W2X0 @ WB2MNF  
          : Pinelands RBBBS: 609-859-1910 (24/12/3 8N1)

This report covers changes entered between 03/28/87 and 03/28/87.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time  
Compiled by Thomas R. Sundstrom, W2XG

| Start End<br>Time Time<br>(UTC) (UTC) | Country              | Station             | Freq #1 | Freq #2 | Freq #3 | Freq #4 | Freq #5 | Freq #6 | Freq #7 | Freq #8 | Target Area     | Notes              | Record<br>Last<br>Updated |
|---------------------------------------|----------------------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------|--------------------|---------------------------|
| 0000 0030                             | USSR                 | R Vilnius           | 13645   | 11860   | 11790   | 7165    | 6200    |         |         |         | NA/SA           |                    | 03/28/87                  |
| 0100 0245                             | Iraq                 | R Baghdad           | 6195    |         |         |         |         |         |         |         |                 |                    | 03/28/87                  |
| 0145 0330                             | New Zealand          | R New Zealand Int'l | 15150   | 11780   |         |         |         |         |         |         | Pac/Aus         | Sat only           | 03/28/87                  |
| 0200 0230                             | USSR                 | R Kiev              | 13645   | 11860   | 11790   | 7305    | 7165    | 6200    |         |         | NA              |                    | 03/28/87                  |
| 0259 0400                             | Japan                | R Japan             | 5960    |         |         |         |         |         |         |         | NA              | via Sackville      | 03/28/87                  |
| 0330 0730                             | New Zealand          | R New Zealand Int'l | 15150   | 11780   |         |         |         |         |         |         | Pac/Aus         |                    | 03/28/87                  |
| 1030 1215                             | New Zealand          | R New Zealand Int'l | 9600    | 6100    |         |         |         |         |         |         | Aus             |                    | 03/28/87                  |
| 1059 1200                             | Japan                | R Japan             | 6120    |         |         |         |         |         |         |         | NA              | via Sackville      | 03/28/87                  |
| 1200 1225                             | USSR                 | R Tashkent          | 11785   | 9600    | 9540    | 7375    | 7275    |         |         |         | As              |                    | 03/28/87                  |
| 1255 1430                             | USA                  | WRNO                | 9715    |         |         |         |         |         |         |         |                 | Sun                | 03/28/87                  |
| 1330 1400                             | United Arab Emirates | R Dubai             | 17775   | 15320   | 11940   | 9640    |         |         |         |         | Eu/Afr          |                    | 03/28/87                  |
| 1330 1355                             | USSR                 | R Tashkent          | 11785   | 9600    | 9540    | 7375    | 7275    |         |         |         | As              |                    | 03/28/87                  |
| 1400 1615                             | Pakistan             | R Pakistan          | 15122   | 11800   | 11625   | 9785    | 9465    | 7385    |         |         | EGSE Afr/NE     |                    | 03/28/87                  |
| 1600 1640                             | United Arab Emirates | R Dubai             | 15320   | 11955   | 11940   | 9640    |         |         |         |         | Eu/Afr          | Slow-speed news    | 03/28/87                  |
| 1830 2105                             | New Zealand          | R New Zealand Int'l | 15150   | 11780   |         |         |         |         |         |         | Pac             |                    | 03/28/87                  |
| 1945 2045                             | India                | AIR                 | 11865   | 11620   | 9755    | 7412    |         |         |         |         | 60S/W Eu/Afr    |                    | 03/28/87                  |
| 2045 2230                             | India                | AIR                 | 11715   | 11620   | 9910    | 9550    | 7412    |         |         |         | 60S/W Eu/Aus/AZ |                    | 03/28/87                  |
| 2100 2245                             | Iraq                 | R Baghdad           | 9875    |         |         |         |         |         |         |         | Eu              |                    | 03/28/87                  |
| 2230 2330                             | Malta                | R Mediterranean     | 6110    |         |         |         |         |         |         |         |                 |                    | 03/28/87                  |
| 2330 0000                             | USSR                 | R Kiev              | 13645   | 11860   | 11790   | 7305    | 7165    | 6200    |         |         | NA              |                    | 03/28/87                  |
| 2345 0145                             | New Zealand          | R New Zealand Int'l | 17705   | 15150   |         |         |         |         |         |         | Pac/Aus         |                    | 03/28/87                  |
| 2345 2400                             | South Korea          | R Korea             | 15575   |         |         |         |         |         |         |         |                 | World News Service | 03/28/87                  |

1700

1900

0500

0500

This report covers changes entered between 02/27/87 and 03/28/87.

ENGLISH LANGUAGE DX SHOWS: By Day of Week  
Compiled by Thomas R. Sundstrom, W2TQ

| Shortwave<br>DX Program      | Show Name<br>Start Start<br>Time Time | Country   | Station        | Freq  |       |      |      |      |      |      | Target Area  | Notes re DX Show | Record<br>Last<br>Updated |          |
|------------------------------|---------------------------------------|-----------|----------------|-------|-------|------|------|------|------|------|--------------|------------------|---------------------------|----------|
|                              |                                       |           |                | #1    | #2    | #3   | #4   | #5   | #6   | #7   |              |                  |                           |          |
| ** DAY OF THE WEEK: Sunday   |                                       |           |                |       |       |      |      |      |      |      |              |                  |                           |          |
| SML Digest                   | 0005                                  | Canada    | R Canada Int'l | 9755  | 5960  |      |      |      |      |      |              | NA               |                           | 03/14/87 |
| DX Corner                    | 1130                                  | Japan     | R Japan        | 6120  |       |      |      |      |      |      |              | NA               |                           | 03/26/87 |
| Talkback                     | 1240                                  | Australia | R Australia    | 9770  | 9580  | 7215 | 7205 | 6080 | 6060 | 5995 | As/Pac/PapNs |                  |                           | 03/14/87 |
| World of Radio               | 1300                                  | USA       | WRND           | 9715  |       |      |      |      |      |      |              |                  |                           | 03/28/87 |
| Radio World                  | 1730                                  | Belgium   | BRT            | 5910  |       |      |      |      |      |      |              | Eu               |                           | 03/20/87 |
| Radio World                  | 2100                                  | Belgium   | BRT            | 9675  | 5910  |      |      |      |      |      |              | NA/Eu            |                           | 03/20/87 |
| Radio World                  | 2330                                  | Belgium   | BRT            | 9925  | 9675  |      |      |      |      |      |              | SA/NA            |                           | 03/20/87 |
| ** DAY OF THE WEEK: Monday   |                                       |           |                |       |       |      |      |      |      |      |              |                  |                           |          |
| DX Corner                    | 0330                                  | Japan     | R Japan        | 5960  |       |      |      |      |      |      |              | NA               |                           | 03/26/87 |
| ** DAY OF THE WEEK: Friday   |                                       |           |                |       |       |      |      |      |      |      |              |                  |                           |          |
| World of Radio               | 2030                                  | USA       | KCB1           | 11735 |       |      |      |      |      |      |              |                  |                           | 03/13/87 |
| ** DAY OF THE WEEK: Saturday |                                       |           |                |       |       |      |      |      |      |      |              |                  |                           |          |
| World of Radio               | 800                                   | USA       | WRND           | 7355  |       |      |      |      |      |      |              |                  |                           | 03/28/87 |
| SML Digest                   | 1915                                  | Canada    | R Canada Int'l | 15325 | 11960 | 7185 | 5995 |      |      |      |              |                  |                           | 03/14/87 |
| World of Radio               | 2330                                  | USA       | WRND           | 9615  |       |      |      |      |      |      |              |                  |                           | 03/28/87 |

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