

FRIENDX



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Transmitter Site: RED LION, Pa., U. S. A.

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WORLD CHRISTIAN
BROADCASTING
CORPORATION

A F R T S SHOR

QSL



PRESS RELEASE

FOR PUBLICATION IN JULY 86 CLUB BULLETINS AND DX PROGRAMS.
THANK YOU VERY MUCH!

A very special meeting of the Michigan Area Radio Enthusiasts is to be held WEDNESDAY, JULY 30 at 7 PM EDT. This meeting is open to members and anyone else who is interested in radio monitoring. Our meeting will be held at the DEARBORN CIVIC CENTER located at Michigan Ave and Greenfield Road in Dearborn, a suburb of Detroit.

We have 2 very special guests to speak and answer questions about DXing in their countries....

ARTHUR CUSHEN from Invercargill, New Zealand is a master DXer who is known world wide for his shortwave and medium wave loggings over many years. Arther is the main speaker at this year's ANARC convention in Montreal and will be in the Detroit area visiting and has asked to meet with local SWLs/DXers. Arther is a technical monitor for several international broadcasters including the VOA, BBC, RCI and others. He was awarded the M.B.E. by Queen Elizabeth in 1970 for his monitoring of P.O.W. broadcasts during WWII. He authored the "World in My Ears", telling of the hobby and his involvement even when his sight failed. He is active in the New Zealand Association for the Blind.

MICHAEL MURRAY from England will also speak July 30. Michael is the Secretary General of the European DX Council (EDXC). He is active in promoting the hobby in Europe and will also be attending ANARC in Montreal. Michael will be able to tell us about the crowded SW bands in Europe and the great African DX they can hear there.

In addition to these great guests, we'll have a report on the recent ANARC Covention and a chance to meet other DXers.

There will be door prizes including a copy of Arther's book, an 86 World Radio TV Handbook and other items.

A \$1 donation is asked to cover room rental costs.

So if you can't make it to Montreal this summer, we're bringing some of ANARC's convention to the Detroit area. Try to join us for this most interesting evening.

More information available from the club's address for a SASE.

MICHIGAN AREA RADIO ENTHUSIASTS

24500 UNION
DEARBORN, MICHIGAN 48124
313/278-5527 (7-10 PM EDT)

CONTACT

Editor: Stephen G. Moye, 178 Bartlett Ave., Cranston, RI 02905 Phone: (401) 941-6497

We have a number of very fine and interesting letters this month, and we begin with one from long-time CONTACT correspondent Duke Alexander (14113 Stoneshire, Houston, Texas, 77060):

I'm writing to ask you please to mention the new frequency of Radio Earth, via WHRI, for North, Central, and South America and the Carribean: 0300-0400UTC (exc. Sunday): 7.355MHz. Some listeners may have lost us since we were on 7.4MHz; Moscow has taken over that frequency.

Speaking of Radio Earth, my "HamNotes" continue there, and on HCJB weekly. We at RE were all quite surprised at the resignation of Jeff White. We wish him luck with R. Discovery (Santo Domingo) and of course RE will have to go on without him. RE is also carried on R. Milano (7.295MHz, 0800 to 1100 (there may be a time change on this)) on Sundays. Also, R. Milano has added 1301 (medium wave) and some of our RE programs have aired on FM in Milan, Italy.

I recently noticed an article by George Jacobs in CQ magazine, to the effect that the sunspot cycle is finally turning upward. So newcomers to SWling should take heart; things WILL get better -- if you like shortwave now, you really will be happy when Ghana booms in like the BBC in just a few short (?) years. But we at RE are pleased to see mail from so many different places. WHRI is being reported from Tahiti to South Africa. Short-wave truly is The International Medium.

In a telephone call I had with him, Duke affirmed the fact the Radio Earth is in very good shape. Jeff White's resignation arose out of the fact that there are not enough hours in the day for one person to do justice to two radio stations.

In the mighty-oaks-from-acorns department, we have some more thoughtful responses to Gerry Bishop's notion of supplying a transmitter to a needy/desirous country or organization. From Terry Palmersheim (Columbia Heights, Minnesota) we have the following:

I've never written to CONTACT before; not because I'm not interested-- I've read FRENEX from front to back since I became a member. I'm enthralled with QSLs (I'll catch up with Mr. Gavaras eventually). So, obviously this 'let's supply a country with a xmitter that doesn't have one' idea piqued my interest. I've been following other members notes on the subject and everyone has had very good points, pro and con. First of all, I have to thank Gerry Bishop for having the intestinal fortitude to bring the subject up in the January '86 FRENEX; it's outrageous, which is what drags me into this anyway. Great idae!

To follow up on John Bryant's notes in February '86: to broadcast for 5 years, or even to stipulate that they transmit at times that are conducive to reception in NA/Eu or Japan is asking a bit much, as John Beck said (very well put, as a matter of fact).

QSLing from the station is a moot point at this-time that would seem to be the least of our problems. Any country that does not already have a SW transmitter probably realizes that they don't need one in the first place, don't you think?

I'm all for Don Moore's point of view: who needs a kilowatt when 50 watts would do. Radio Discovery is a case in point: at 50 watts it was heard by me and several other DXers/listeners on both 19 & 49m in NA and Europe.

Personally, my first choice is Jamaica for reasons being:

- A) They're pushing tourism enthusiastically--both commercially and at the government level.
- B) It's propagationally accessible to all of the above locales.
- C) They already have 'studios' [why the quotation marks?-sgm] for simulcasting; at least the commercial stations do.
- D) There has got to be at least one member who could check up on the project without being shot-at during the process; at least to set it up. Hey, I'd hitch-hike on water skis to see it done. [I know: it's a nasty job, but somebody's got to do it.--sgm]
- E) They speak ENGLISH! Don't you think we should start with our own language before we go gallivanting off to Panama or the Açores with this idea?
- F) It's cheaper.

I am particularly struck by an observation that indicates just how really intriguing this whole idea is: several people have begun their letters by indicating why this idea cannot/could not/should not/would not work -- only to end by suggesting a possible location for the transmitter. From Chuck Oliver (Spring, Texas) comes another very exciting possibility for a transmitter location;

I have been reading in FRENEX for the last couple of months the discussions about establishing a SW radio station for some deserving country. Nobody has yet come up with a plan for financing this station and I, too, have none.

There is considerable discussion as to where to place the proposed station, and that is my purpose in writing. I understand the radio station(s) of Grenada was(were) destroyed during the invasion by U.S. military forces. Although the WIRTH lists a 20kw MW station there, there is no SW outlet since the invasion. I think if anyone is eligible, it should be Grenada. The MW station does not reach out to the possible tourist public, and a SW station could be used for promoting tourism. I'm sure they need all the help they can get.

A very good idea indeed, and timely, too. There may be a practical alternative (or, perhaps, variation would be a better word) to Gerry Bishop's suggestion which might be more feasible, practical, and more inclusive of interests and goals: it comes from Mike Nikolich (certainly no stranger to the pages of FRENEX!) and is contained in the following letter:

Cathy Turner's letter in the June issue was quite interesting. Thanks for the number. My call has already been made. Professionally, one of my clients is Regency Electronics, one of the companies that will be affected by any legislation that prohibits listeners from monitoring cellular telephone conversations. Needless to say, they were very interested in the Congressional phone number, too.

I agree with Nelson George -- the idea of supplying a country with a shortwave transmitter not only seems self-serving, but I think it could do more damage than good. Just what some starving third world nation needs is a bunch of rich gringos from the U.S.A. giving them a shortwave transmitter, when they can't even afford to feed their own people.

However -- I may have an alternative that could go far towards publicizing the hobby, convincing countries to begin broadcasting via shortwave, and also spark a great deal of interest among SWLs and DXers. Instead of supplying countries with a transmitter and antenna, why not contact countries that are looking to promote tourism and offer to broadcast the programs of their national station for a one-week period? Amateur Radio Operators have long conducted DXpeditions to far-off countries with the express intent of making the country loggable for a short period of time.

For a very modest cost, we could have a committee of DXers travel to different countries with a simple amateur radio transmitter. For a one-

week period, they would work in conjunction with personnel from the country's national station, recording half-hour to one-hour segments of daily programming, and then rebroadcasting them via shortwave.

This would be a far less expensive way to 'create a new country,' and, if enough people heard the broadcasts, it would demonstrate conclusively to potential broadcasters that they should be taking advantage of the H.F. bands! I know I'd love to hear Jamaica, Bermuda, Trinidad and other silent SW voices that could easily institute such a program!

In addition, the beauty of such a program is that it could be initiated world-wide by DXers in their respective continents. European DXers could travel to Liechtenstein and the Faroe Islands, while Australian DXers could set up operations in Tasmania and similar locations.

Sound crazy? Well, it seems a lot more feasible than what Bishop is proposing. Plus, it would spark a great deal of interest in the hobby. I'll be interested to read others' comments.

Finally, Stephen Moye wonders why people don't contribute to FRENDX. I'll tell you why. I'm a member of about 10 different clubs and I contribute to most of them. The biggest reason I don't contribute as regularly to NASWA is that it's too much trouble! 'What?' you say! Let me explain. Most clubs appreciate logs in any shape, form and size. However, with NASWA, you must cut up logs into tiny strips or else face abuse by the central distribution editor or the individual editor. To me, that's too much to ask someone. It's like asking someone to fill out a questionnaire and not including a stamped, self-addressed envelope. My suggestion to solve this problem (and I'm sure I'll catch some flack for it) is to make available post-cards to contributors which are already addressed to the CDE. Simply type whatever logs you have, affix a stamp and pop it in the mail. As a former editor in NASWA and SPEEDX, I personally hated those little strips of paper--when I wasn't losing them, I was ripping them accidentally. Perhaps, by making it easier for members to contribute, you'll see an upturn in support (an improved location in the sunspot cycle would also do wonders for this situation...)

The telephone number Mike refers to (202-456-7639) is available to anyone who wants to record their remarks about any piece of pending legislation in Congress; your comments will go to the President's Office, and to those of the Congresspersons involved. Mike's creative approach to Gerry Bishop's original idea is excellent and deserves comment. Funding for a transmitter (as pointed out by Chuck Oliver) and all the associated equipment was beginning to weigh rather heavily on my mind: \$20,000 (a reasonable estimate) does not raise itself. We would still have to answer a number of questions: how would candidate countries be chosen, and how would contact with them be undertaken? who would be chosen (and by what method) to be in the DX-pedition, and how would it be funded? While there may be a few problems in answering these questions, they will, I think, (by several orders of magnitude) be less daunting. As to the tiny slips of paper -- what do you think? I guess I don't feel as strongly about it as Mike does, but then again, I have largely automated the process by means of a computer. Does anyone have any other suggestions for simplifying the submittal of loggings?

Finally, I received a press release (dated 10 June 1986) (specifically from Robert Horvitz, ANARC's liaison to Congress) from ANARC about recent developments in the Electronic Communications Privacy Act 1986 [ECPA86 for short]. The important points from this release are as follows:

Just a few weeks ago, the ECPA86, H.R.3378, was reported out of Subcommittee. Today, however, a substitute bill was introduced at a meeting of the House Judiciary Committee and, after a brief discussion, the Committee approved the new bill by a vote of 34-0. Designated as H.R.4952, the new ECPA86 will now be scheduled for consideration on the floor of the House of Representatives.

A significant difference between HR4952 and HR3378 is the HR4952 adopts the definition of "interception" proposed by ANARC last February: "Acquis-

ition of the contents" of a communication. This is the definition currently used in the federal law protecting oral and wire communications.

The definition used in HR3378 was "interception of the transmission of the contents." That would have made it a crime merely to detect the presence of an encrypted signal without any attempt being made to penetrate the protective code -- that is, without any actual violation of communications privacy. [By this definition]...merely looking at the garbled picture of an over-the-air subscription service...would be a federal crime.

Another change of significance to radio hobbyists is HR4952's clear statement that all marine and aeronautical communications may be legally received, so long as the content is not divulged or used.

Like HR3378, HR4952 would make the unauthorized interception of electronic communications that are not "readily accessible to the general public" a federal crime carrying a penalty of up to a year in jail and/or a fine of up to \$10,000. Intercepting the radio portion of a cellular phonecall would be a petty offense punishable by up to 6 months in jail and/or a fine of up to \$500. This bill would not protect tone pagers or cordless telephones.

...The inaccessible include: common carrier transmissions; remote broadcast auxiliary transmissions [defined in FCC rules part 74 (d,e, & f)]; FM subcarrier and subsidiary services (including videotex); private microwave services; satellite transmissions (with certain exceptions); and signals that are scrambled, encrypted or "transmitted using modulation techniques whose essential parameters have been withheld from the public with the intention of preserving the privacy of such communication."

It would be lawful under HR4952 to monitor any transmission that "relates to ships, aircraft, vehicles, or persons in distress," any amateur (ham), CB or General Mobile Radio Service Transmissions; or "any governmental, law enforcement, civil defense, or public safety communications system, including police and fire, readily accessible to the general public."

... We support the goal of amending the US Code to protect the privacy of new forms of electronic media -- but only those media that have a reasonable expectation of privacy [i.e., when it has been planned for--sgm]. For all its legislative authority, Congress cannot rewrite the laws of physics. If a radio signal addressed to one party can be received in another party's home, it is because that signal is intruding into the other party's home. To criminalize that other party for detecting the intrusion is as unfair as it is absurd.

Although HR4952 is a marked improvement over HR3378, we continue to believe that radio signals that are in fact readily accessible to the general public should be recognized as such in law, and be governed by the provisions of Section 705 of the Communications Act of 1934. In our view, the penalties in HR4952 for harmless interception of cellular and other allegedly inaccessible radio communications are still excessive and inappropriate.

Well, there you have it: the best available summing-up of the situation to date. My thanks to ANARC and Robert Horvitz for making it available; also for their hard work on our behalf. Keep in mind the following things: 1) there are already sufficient safeguards in existence for the greater bulk of radio communications; 2) inaccessible communications are such only if you do not have an appropriate receiver -- if you have the right receiver, then they are accessible -- a lot of needless confusion is going to result from this useless distinction; 3) only if cellular technology had incorporated security procedures into its designs would it have had a truly valid claim for protection in law -- by developing and marketing a non-secure technology, it has forfeited, so it seems to me, all claims to federal protection. Call the telephone number given above (202-456-7639) to voice your opinion. You might also drop CONTACT a line...

A very meaty and useful column this month. My sincerest thanks to writers and readers alike. Let's hear from you -- soon!

73--




Easy Listening

Editor: Alex Batman, 4636 Alvin Dark, Apt. 2, Baton Rouge, LA 70820

SUNDAY

1830-1835: "Marxism Today" (Radio Moscow). A brief program analyzing the principles of Marxism as currently practiced and expressed at the 27th Party Congress in Moscow. Frequently features interviews with delegates from foreign Communist Parties (Canada, Australia) and their goals in their respective countries. (11.840 and other World Service frequencies)

0115-0145: "Euromusic" (Deutsche Welle). This is a series of programs featuring the folk music of the 12 member countries of the EEC. Commentary about the traditional culture of the country is interspersed with the music. So far they have featured England, Italy, Spain and Portugal, and Greece. (6.040/6.055/6.145/9.545. Repeated at 0315 on 6.010/9.545/9.565/9.648/9.735 and at 0515 on 5.960/6.120/6.130). Third Sunday of the month

MONDAY

1305-1310: "Focus on Europe" (BRT). A brief overview of issues confronting the European Parliament in Brussels. Past editions have included new regulations on European air fares, proposed solutions to terrorism (and reaction to the American raid on Libya), and reaction to the accident at Chernobyl. (15.590. Broadcast on Saturday at 0035 on 9.830)

0145-0150: "Sports Review" (Austrian Radio International). An overview of the most important sporting events in which Austrians are involved: soccer (in season), skiing (heavy on this during the winter), track and field, and Grand Prix racing. (9.770. Repeated at 0345 on 9.770 at 0445 on 9.775 at 0645 on 5.945 and on Tuesday at 1245 on 15.320. By the way, Austria's 9.770 transmission at 0130 and 0330 and their new 9.775 transmission at 0430 are the best I've ever heard them.)

TUESDAY

2150-2155: "Life Style" (Radio Sofia). Brief features on life in Bulgaria under the socialist system, especially the provision the government makes for its citizens: retirement plans, child care, party representatives in the trade-unions (something like a shop steward or a commissar, depending on your viewpoint and the different connotations of those words.) (15.330/11.720. Repeated at 0320 on 7.115)

0050-0105: "Talking Point" (Vatican Radio). Yes, this is a real Vatican program, not a July fool's joke. It's a panel discussion of Church representatives on issues important to Catholics (and Christians in general.) Past programs have featured discussion of "Images of God", "The Family", "Catholic Education", and "Why Fast?" (actually a very good question).

WEDNESDAY

0140-0145: "Health and Medicine" (Radio Frague). Discussion of issues

WEDNESDAY (continued)

related to the practice of medicine in Czechoslovakia: child care, pharmaceutical, neonatology, experimental medicine, etc. (5.950/7.345/9.740/11.990. Repeated at 0345 on the same frequencies).

0225-0235: "The History of Brazil" (Radiobras). An in-depth look at Brazilian history, especially for the past few months, recent history (circa 1950s and early to mid 1960s). This is an exhaustively thorough program detailing the changes in Brazilian politics, the party maneuvering, and the revisions of the constitution that resulted. (11.745)

THURSDAY

2150-2155: "Midweek Mailbag" (Radio Sofia). Briefly reads comments from listeners' mail, occasionally answers a listener's question, and includes a "Verification Corner" listing those to whom QJLs will be sent this week. I'm rather impressed by the hostess of this program; she sounds both professional and nice in a rather schoolmarmish sort of way. (15.330/11.720. Repeated at 0320 on 7.115)

0035-0040: "Touring Cuba" (Radio Havana Cuba). A tourist oriented program featuring particular points of interest in Cuba--landmarks, resorts, restaurants, cathedrals--and occasionally featuring an interview with tourists. (6.100/9.740. Repeated at 0230 and 0430 on the same frequencies and 6.140 as well).

FRIDAY

2000--2100: "World of Radio" (KQBI). Probably one of the best programs on international broadcasting on the air. Not only features short-wave, but also medium wave and FM/TV DX, news items related to broadcast listeners, new transmission schedules, and even some review of programming. (11.735. Also on WRWG on Fridays at 0400 on 6.185 and repeated on Saturday at 2330 on 9.582.5 and Sundays at 1300 on 9.715).

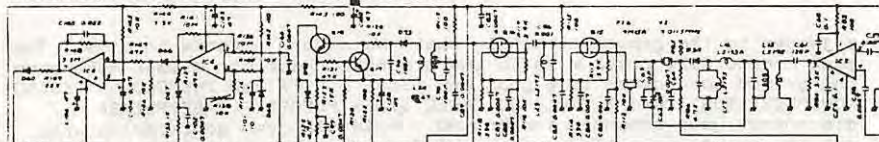
0100-0130: "Outlook" (BBC). A general magazine program featuring some current events, but usually concentrating on human interest. Past programs have featured interviews with reporter and novelist Keith Waterhouse, jazz singer Betty Carter, and a feature on people living on either side of the Israeli security zone in south Lebanon, as well as the recent Austrian elections. Friday night's program also includes a regular "Travel Desk" with tips for those who like to travel abroad. (5.975/6.175/6.120)

SATURDAY

0110-0115: "Focus on Bonn" (Deutsche Welle). A weekly review of events making the headlines in the West German capital: reactions to the financial scandal involving Chancellor Kohl, the nuclear arms race, Chernobyl, terrorism, etc. (6.040/6.085/6.145/9.545/9.565. Repeated at 0310 on 6.070/9.545/9.565/9.640/9.735 and 0510 on 5.960/6.120/6.130).

0245-0300: "The Songs of Our Life" (Radio Tirana). A musical program usually featuring the works of a single Albanian singer or composer or a single theme. Almost all the songs have a political message, but the words are in Albanian and the music isn't all that bad, so I don't guess it really matters. (7.120/9.760. Broadcast earlier at 0015 on 7.065/9.760 at 0145 on 7.120/9.760)

Technical Topics



Editor: T. J. "Skip" Arey, WB2GHA, 24 LeJune, Cinnaminson, NJ 08077

THE LONG HOT SUMMER or LISTENING BETWEEN THE STATIC CRASHES

Dateline: DOG DAYS...3 AM ELT...Temperature 90 degrees Farenhieght...98% Humidity...My jammies are sticking to my sweat covered body. The local mocking birds have decided that 3 AM is sunrise and they are singing a ragged symphony. I reach up to the headboard and Fiddle with the controls on my Sony 2010; First the timer switch then the memory scan. Static crashes come rattling through my pillow speaker. Since I am not going to hear Radio Nibi Nibi through this noise (even with my patented feather pillow filter) I suppose I'll get up and clean up some loose ends around the word processor. (Attempting to dry his perspiration covered hands on his soggy PJ's our bleary eyed hero wanders off to his desk)

Welcome to July folks. I guess we are still too deep into the sunspot cycle to make this a particularly exciting summer DX season. But be of good cheer fellow radio freaks, for there is still much to do to keep this hobby interesting.

This is a good time of year to drop the antennas and examine them for weather wear. Copperweld does get a little funky over time as does any exposed solder connections. This is also a good time to rethink your antenna positions and locations. Don't forget to check over your ground connections as well as the integrity of your ground rod.

July usually represents the annual pulling of the covers on my R-390A. I run it through all preventative maintenance procedures. This is followed by pulling the tubes and testing them and a complete alignment. Summer is a good time to examine all of your gear in expectation of next season. If you do not do your own PM tests and repairs it is an excellent time to get your radio looked at by that friend who knows his way around electronics. Be sure to look over his shoulder as you may learn how to do it yourself. It is also easier to wait for replacement parts during the low point of the season as opposed to the dead of winter when the signals are fighting each other to crawl down your coax.

Well it is now 3:15 AM ELT and DXing's Gonzo Journalist is slack-jawed and totally empty of ideas. What to do? What any self respecting sage would do at a time like this...

ANSWER SOME MAIL

Digging into the old mail bag we come up with a letter from MARLIN A. FIELD. He writes "I used a Mosley SWL-7 trap assembly dipole antenna with my Mallicrafters SX100 receiver. I now have a Drake SPR-4. The manual calls for a dipole antenna fed with unbalanced 50 ohm coaxial cable. The Mosley came with 75 ohm twinlead. Which will give me better reception, the twinlead or coax? Also is one part of the coax fastened to the ground on the receiver as with twinlead?"

Aha! A classic two-part question. I will answer but first I must wipe a tear from my eye as I recall the SX100. My very first SW radio. I really miss that old thing.

To answer the first part: You will get better reception if you exchange the Mosley's twinlead for RG58/U coax. This will present your Drake with the 50 ohm unbalanced impedance that the SPR-4 requires for optimum operation. It won't hurt anything to use the antenna as is but it will be kind of like jogging with bad hayfever. You can do it, you just can't do it as well.

As for the second part, if the radio has a standard female coax fitting (called an SO-239) you must use a male coax connector (PL-259). Sort of makes sense now doesn't it? You do not need to make any other ground connection to the antenna (EXCEPT THAT PRESENTED BY YOUR LIGHTNING ARRESTER!!!!). If the radio you are using just has screw lugs you simply hook up the center lead of the coax to the antenna terminal and the braid of the coax to the second antenna terminal with

a jumper to the ground terminal. What? No second antenna terminal? Then just connect the braid side to the ground connection. Always make sure the ground connection is a good one (See "OUR FRIEND THE GROUND" FRENDX NOVEMBER 1985). And I TELL YOU THREE TIMES PLEASE PLEASE PLEASE disconnect your antennas and ground completely from your radios when not in use. Also unplug everything. Ground all antennas outside of the house via lightning arresters (available at Radio Shack). Performing these simple requests of your humble editor may prove to be a pain but it will serve to prevent me from answering a letter that begins "Dear Skip, my radios melted and I glow in the dark now, could this have been lightning?"

Thanks Marlin. Your letter gave my XYL quite a start. You see I used to date this girl that lived in Michigan. But that story must wait to appear in my memoirs CONFESSIONS OF AN ETHER ADDICT.

Next comes a letter from ERIK HINNON. He asks, "What is an active antenna, how is it made, where can I get one?"

The term active antenna applies to a group of antennas primarily designed to be used in applications where antenna space is a problem (apartments, condos, etc.). They consist of a short radiator and some type of tuned preamplification circuit that serves to make up for what the short antenna lacks. There are also active antennas that use a shielded loop but these are of primary interest to medium wave listeners and lowfars. The primary problem with active antennas is that their amplification circuit, like any preamplifier, will also amplify any man made or natural noise that is presented to the antenna along with the desired signal. They do, however, represent a noticeable improvement over most traditional indoor antennas. There are several manufacturers of these type of antennas, most notable for shortwave applications are Palomar, Datong, and McKay-Dymek all three are available from GILFER SHORTWAVE, P.O. BOX 239, 52 Park Ave., Park Ridge, NJ 07656 Be sure to tell them that Old Uncle Skip sent you. Who knows, maybe some day they will send me one of their nifty modified NRD's for me to review.

Erik is a dyed in wool Radio Shack man with a DX-66, DX-160, and a DX-360. How about sending us a review guy?

Speaking of Reviews. Is anyone out there in Radioland using any of the SANGEAN portables that Electronic Equipment Bank is advertising? If you are we sure could use some input from you because these doohickies look like they might give Sony a run for the money in the portable and pocket rocket classes. Of course you could all send several postcards each to EEB insisting that they send Old Uncle Skip one of each for testing purposes. (I see a pattern here in my free associations...Do you suppose LARRY MAGNE started out this way???)

And speaking of both free association and Larry Magne in the same breath, INTERNATIONAL BROADCASTING SERVICES LTD. has released an extensive and exhaustive RADIO DATABASE INTERNATIONAL WHITE PAPER evaluation of the JAPAN RADIO NRD-525 receiver. If you are a very serious DXer and you are considering putting out the \$1000+ for this particular receiver you must have this publication. Available for \$4 in North America, \$6 elsewhere from International Broadcasting Services, Ltd. P.O. Box 300, Penn's Park, PA 18943 USA.

Well it is now 4:00 AM ELT. It is still hot and sticky but, wonder of wonders, some Pacific signals are wandering in. Guess I'll go take advantage of the situation. Meanwhile, this issue represents my first anniversary as Tech Topics editor. It has been a great year, mainly because you folks out there remain so supportive. I get a real thrill when someone sends something in for publication beginning with the words "this is the first time I have ever written anything". Our beginners and first timers have kept this column interesting and kept me from rambling on too much. Our old timers continue to give us sage advice all to the end of making our hobby more enjoyable. Thanks folks. Keep those cards and letters coming in for another year.

HOWARD THE DUCK LIVES!!!

73,
Skip WB2GHA

NASWA Awards Program

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

The following folks earned NASWA Awards during the month of May 1986:

Dr. Harold CONES, Newport News, VA: African Continental DXer, Tropical Band DXer.

Steve FORST, Clifton Heights, PA: European Continental DXer, Ecclesiastic DXer

Bill HARMS, Woodlawn, MD: Senior China DXer, European Continental DXer, DX Centurian, Asian Continental DXer, All Continent "QRP" DXer (25 KW), Soviet Sphere DXer, DXer de Pacifica, Maple Leaf DXer, Senior Radio Moscow DXer, North American Continental DXer, All Voice of America DXer, Ecclesiastic DXer, Senior Time Station DXer, Australian DXer.

Masaru NAKAGAWA, Japan: Senior China DXer, European Continental DXer, World Wide DXer, Asian Continental DXer, All Continent "QRP" DXer (50 KW); South American Continental DXer, DXer de Pacifica, Ecclesiastic DXer, Senior Indonesian DXer, Senior Subcontinental DXer.

Sheryl PASZKIEWICZ, Manitowoc, WI: All Continent "QRP" DXer (25 KW), Senior British Commonwealth DXer.

John R. TOW, Pinson, AL: European Continental DXer, All Voice of America DXer

Frank WELCH, Worcester, MA: European Continental DXPert, DXer de Pacifica, North American Continental DXPert, All Voice of America DXer, Emissora Nacional DXer

Don WATTS, Kirkland, PQ: World Wide DXer

Pat WOOD, Syracuse, NY: Ecclesiastic DXer

KAP'S KOMMENTS

Our congratulations to the winners of our recent contest. The answer was the Voice of America, operating via the USCG Cutter Courier from off the coast of Rhodes and also the Panama Canal Zone. We had a tie for the domestic prize, Don Jensen (NASWA Country Committee Chairman) of Kenosha, WI and Don Moore (ex of Central America) of Glendale Heights, IL. Also a winner was Hideo Suzuki of Anjo City, Aichi, Japan. Hope you enjoy the prizes. We'll have another contest soon.

Don't forget, we have the new 1986 NASWA Country List and Awards Program Booklets available. \$2.00 in North America, \$3.00 elsewhere.

We've been advised by Dorothy Johnson, Awards Editor for CQ Magazine, that our Awards Program will be profiled in the October issue of CQ. We are very pleased that our efforts have resulted in a "detente" between SWLS and HAMS.

Hopefully we'll see you in Montreal.

BEST, [Signature] 6/19/86

P.S. Anyone having a Code Reader (ala Kantronics Mini) or info on souping up a Rat Shack DX-160 please let me know. Thanks.

Prepared by John M. Kapinos - May 1986

ASIATIC SSR

Blagoveschensk
Chita
Irkutsk
Kenga
Khabarovsk
Kanty-Mansiysk
Komsomolsk-on-Amur
Krasnovarsk
Magadan
Nikolayevsk-on-Amur
Novosibirski
Omsk
Okhotsk
Petropavlovsk-Kamchatka
Sverdlovsk
Tyumen
Ulan Ude
Vladivostok
Yakutsk
Yuzhno-Sakalinsk

KAZAKH SSR

Alma Ata
Dzambul

UZBEK SSR

Tashkent

LATVIAN SSR

Riga

AZERBAIJAN SSR

Baku

FINNISH-KARELO SSR

Petrozavodsk

KIRGHIZ SSR

Frunze

ARMENIAN SSR

Yerevan

TADZHIK SSR

Dushanbe

GEORGIAN SSR

Tbilisi

TURKMEN SSR

Ashkabad

BYELORUSSIAN SSR

Minsk
Moghilev
Orsha

LITHUANIAN SSR

Kaunas

ESTONIAN SSR

Tallin

UKRANIAN SSR

Ivano-Frankovsk
Kharkov
Kiev
Lvov
Nikolayev
Simferponol
Starobelsk
Uzhgorod
Vinn.tsa

EUROPEAN SSR

Archangelski
Armavir
Gorki
Kalach
Kalinin
Kazan (on Don)
Kingisepp
Konevo
Kursk
Leningrad
Mitchurinsk
Moscow
Murmansk
Orenburg
Riazan
Seprukhov
Tula
Ufa
Vologna
Voronezh
Zhigulevski

**** NOTES ****

Spellings are arbitrary at best. Radio Moscow has been know to use different spellings of the same site.

All of these sites have operated at one time or another. Many are currently active, some have not operated for many years.

The author should be contacted in cases of errors or omissions.



Computer Corner

Editor: Bill Cole / 107 Charles Street / N. Cape May, NJ 08204

EMUF 2+

Over the past two months we have seen programs that compute Grayline and partial Grayline paths. After looking at the mathematics involved in these computations, we can appreciate the power that the home computer gives us. This month we'll take another look at an area where the computer's calculations are valuable, propagation prediction.

In the September Computer Corner, we saw Minimuf 3.5 which performed Maximum Usable Frequency (MUF) calculations. If the only stations a DXer was interested in were the big internationals, this would be sufficient. However, many are interested in the tropical bands. This brings us up against the other end of propagation prediction, Lowest Usable Frequency (LUF). LUF is the lowest frequency that can be used and still be heard over the noise level. If you listen to the lower frequencies, you hear: atmospheric noise, static, thunder storms, etc. As you dial up the bands, this noise becomes less and less often becoming nonexistent. This noise level can be calculated mathematically with the frequency at which most radio signals will be lost in the noise (LUF).

EMUF 2+ calculates not only LUF, but also MUF and HPF (Highest Possible Frequency). It represents its calculation in one of two ways: numerically on the screen or numerically on the screen with a graph produced on the printer. As with most programs of this type, you must use a minus sign (-) to denote south latitude and east longitude in your input. Also, this program requires the input of the Sunspot Number. A program for calculating the Sunspot Number from the Solar Flux heard on WWV was published in the August Computer Corner.

EMUF 2+ was provided by Kjell Stromme of Arona Italy who did some of the development. The original algorithm was based upon the early work of Dr. Rose of the Naval Oceans System at San Diego, Calif., who also developed Minimuf 3.5.

The printed output of this program is about a page long; too much to run here. For a sample of output to check your typing, send a SASE to your editor. The version of the program you see here was written on a Commodore 128. It uses no special graphics nor commands and is readily adaptable to other computers.

```
100 REM * SYMBOL STANDS FOR PI; IF YOUR COMPUTER DOESN'T HAVE A PI FUNCTION
105 REM USE 3.1416 EVERYPLACE YOU FIND THE * SYMBOL
110 SCNCLR:J9=#/100:PR=0:INPUT"TARGET";L$:INPUT"LATITUDE";L6:INPUT"LONGITUDE";W5
115 INPUT"MONTH (1-12)";M0:INPUT"DAY (1-31)";D0:INPUT"SUNSPOT NUMBER";S0
120 PRINT:PRINT"[S]CREEN OR SCREEN + [H]ARDCOPY?"
125 GETKEYA$:IFA$="H"THENPR=1
130 REM CHANGE L5 & W5 TO YOUR LAT. (DEG.MIN) AND LON. (DEG.MIN)
135 REM USE A MINUS (-) SIGN WITH SOUTH LAT. & EAST LON.
140 L5=39.00:W5=74.56:P$="S":IFABS(W5-W6)<120THEN150
145 INPUT"LONG OR SHORT PATH (L/S)";P$
150 W1=(W5-180*(1+SGN(W5-.001)))#J9:W2=(W6-180*(1+SGN(W6-.001)))#J9
155 L1=L5#J9:L2=L6#J9:IFPR=0THEN170
160 OPEN#4:PRINT#4,CHR$(14)"EMUF 2, PROPAGATION FORCAST":PRINT#4,CHR$(15)
165 PRINT#4,"TARGET: ";L$SPC(14-LEN(L$))" MONTH: ";M0;" SUNSPOT NO: ";S0
170 W3=W2-W1+.001:W3=#*(1-SGN(W3))+W3:H1=SIN(L1)#SIN(L2)+COS(L1)#COS(L2)+COS(W3)
```

```

175 G1=ATN(SQR(1-H1*H1)/H1)+#/2*(1-SGN(H1));IFP#="L"THENG1=#+#-G1
180 H0=INT(1.59*G1)+1;H9=(SIN(L2)-H1*SIN(L1))/SIN(G1)/COS(L1)
185 H9=ATN(SQR(1-H9*H9)/H9)+#/2*(1-SGN(H9));H9=H9*SGN(W3-#)*SGN(#-G1)
190 H9=H9+#*(1-SGN(H9));IFPR=0THEN210
195 PRINT#4,"LONG/SHORT: ";P#;" BEARING: ";INT(H9/J9+.5):PRINT#4
200 PRINT#4,"FREQ: 0 5 10 15 20 25 30 35 40 MHz"
205 PRINT#4,"UTC MUF"
210 SCNCLR:PRINT"HR. (UTC) LUF (KHZ)*TAB(21)*MUF (KHZ)*TAB(31)*HPF (KHZ)*";
215 Y6=ATN(1/TAN(G1/(H0+1))-.952/SIN(G1/(H0+1)));IFY6<.314THENY6=.314
220 Y6=1/SQR(1-.965*COS(Y6)*2);Y1=.0172*(10+(M0-1)*30.4+D0);Y2=.409*COS(Y1)
225 Y1=.13*SIN(Y1)+.156*SIN(Y1+Y1);H9=(SIN(L1)-COS(G1)*SIN(L2))/SIN(G1)/COS(L2)
230 M9=SIN(2.5*G1/H0);M9=1+2.5*M9*SQR(M9);K1=1-.5/H0;FORN=0TO1
235 L9=COS(G1*K1)*SIN(L2)+SIN(G1*K1)*COS(L2)*H9
240 L0=#/2-(ATN(SQR(1-L9*L9)/L9)+#/2*(1-SGN(L9)))
245 W0=(COS(G1*K1)-SIN(L2)*L9)/COS(L2)/COS(L0)
250 W0=ATN(SQR(1-W0*W0)/W0)+#/2*(1-SGN(W0))
255 W0=#-SGN(#-G1*K1)*(#-W0);W0=W3+W0*SGN(W3-#)*SGN(#-G1)+W1-.001
260 W0=W0-#*(1-SGN(#+#-W0));T0=3.02*W0+12+Y1
265 T0=T0-12*(1+SGN(T0-24))*SGN(ABS(T0-24))
270 IFCOS(L0+Y2)-.26THEN280
275 T1(N)=0:GOTO310
280 T1(N)=(-.26+SIN(Y2)*L9)/(COS(Y2)*COS(L0)+.001)
285 T1(N)=12-ATN(T1(N)/SQR(ABS(1-T1(N)*T1(N))))*24/#:T7=T0-T1(N)/2
290 T3(N)=T7+12*(1-SGN(T7))*SGN(ABS(T7));T7=T0+T1(N)/2
295 T4(N)=T7-12*(1+SGN(T7-24))*SGN(ABS(T7-24));C0(N)=ABS(COS(L0+Y2))
300 T9(N)=9.7*(C0(N)*8)
305 IFT9(N)<.1THEN T9(N)=.1
310 K1=1-K1;M(N)=M9+.75*(12/T1(N)-1)*SGN(INT(12/T1(N))+1)
315 M(N)=M(N)*(1+S0/100*(1-(T1(N)/12-1)*SGN(INT(T1(N)/12))))
320 L9=ABS(L0+.21*SIN(W0+.35))
325 G2=.5:IFL9<#/4THEN335
330 M(N)=M(N)*(1-.1*(1+COS(L9*4)));G2=.2
335 L(N)=SIN(L9*4)*G2;G8(N)=#*T9(N)/T1(N);T7=T1(N)/T9(N):IFT7>85THEN T7=85
340 G7(N)=C0(N)*G8(N)*(EXP(-T7)+1);G6(N)=G7(N)*EXP((T1(N)-24)/2):NEXT
345 FORT5=0TO23:J9=100
350 K9=0:FORN=0TO1:G0=0:G3=#/2:IFT1(N)=0THEN405
355 IFT4(N)<T3(N)THEN370
360 IF(T5-T3(N))*T4(N)-T5)0THEN375
365 GOTO415
370 IF(T5-T4(N))*T3(N)-T5)0THEN415
375 T6=T5+12*(1+SGN(T3(N)-T5))*SGN(ABS(T3(N)-T5));G4=#*(T6-T3(N))/T1(N)
380 T8=(T3(N)-T6)/T9(N):IFABS(T8)>85THEN T8=85*SGN(T8)
385 G0=C0(N)*(SIN(G4)+G8(N)*(EXP(T8)-COS(G4)))
390 G3=#/2:IFT6-T3(N)*T1(N)/2+3THEN400
395 G3=(T6-T3(N))/(T1(N)/2+3)*G3
400 G3=G3*(1+SGN(L(N)))/2:IFG0(G6(N)THEN G0=66(N)
405 G2=SQR(7+45*SQR(G0/(1+G8(N)*G8(N)))):G2=G2*M(N)*1.27*(1+SIN(G3)*L(N))
410 GOTO425
415 T6=T5+12*(1+SGN(T4(N)-T5))*SGN(ABS(T4(N)-T5));G4=#*(T6-T4(N))/(24-T1(N))
420 G0=G7(N)*EXP((T4(N)-T6)/2);G3=G4+(#-G4)/4*(1+SGN(L(N)));G4=0:GOTO405
425 IFG2(J9)THENJ9=62
430 Y8=.2:IFT1(N)=0THEN455
435 IFT1(N)*G4=0THEN455
440 Y9=C0(N)*SIN(#*(T6-T3(N))/T1(N)):IFY9>.174THEN450

```

```

445 Y8=(ATN(SQR(1-Y9*Y9)/Y9)*180/π-76)†(-.4):GOTO455
450 Y8=Y9†(.3)
455 Y9=(3.4+.00544*SD)*Y8*Y6:IFY9>7THEN465
460 Y9=.91*Y9-.37:GOTO470
465 Y9=(1.33*Y9-3.31)†(2)/7
470 IFK9<Y9THENK9=Y9
475 NEXT:IFT5<10THENT5=*0*+RIGHT$(STR$(T5),1):GOTO485
480 T5=RIGHT$(STR$(T5),2)
485 PRINT:PRINT" *T5$TAB(11)INT(K9*1000+.5)TAB(21)INT(J9/1.27*1000+.5);
490 PRINTTAB(31)INT(J9*1000+.5);
495 IFPR=0THEN540
500 SL=INT(K9+.5):SH=INT(J9+.5):MU=INT(J9/1.27+.5):MU$=" "+STR$(MU)
505 IFSL>40THENSL=40
510 IFSH>40THENSH=40
515 IFMU>40THENMU=40
520 PL$=" "+T5$+" : : : : : : : : : : "
525 PL$=LEFT$(PL$,SL+7)+"0"+RIGHT$(PL$,40-SL)
530 PL$=LEFT$(PL$,SH+7)+" "+RIGHT$(PL$,40-SH)
535 PL$=LEFT$(PL$,MU+7)+"♦"+RIGHT$(PL$,40-MU):PRINT#4,PL$;" ";RIGHT$(MU$,2)
540 NEXT:IFPR=0THEN575
545 PRINT#4:PRINT#4,"FREQ: 0 5 10 15 20 25 30 35 40 MHZ"
550 PRINT#4:PRINT#4
555 PRINT#4," 0 = LOWEST USABLE FREQUENCY"
560 PRINT#4," ♦ = MAXIMUM USABLE FREQUENCY"
565 PRINT#4," + = HIGHEST POSSIBLE FREQUENCY"
570 FORI=1TO28:PRINT#4:NEXT:CLOSE4
575 FORT=1TO5000:NEXT:SCNCLR:PRINT"ANOTHER COMPUTATION? (Y/N)";
580 GETKEYA$:IFA$="N"THEN END
585 CLR:GOTO110

```

REMark: To better understand propagation; MUF, LUF, HPF, etc., your editor recommends:

The Shortwave Propagation Handbook
 by George Jacobs and Theodore J. Cohen
 CQ Publishing, Inc.

THE DXers GUIDE TO COMPUTING edition 3.0

Is now available from Radio Sweden International. This 34 page book will introduce the DXer to the value of computing. There is also material to interest the more experienced computing DXer. Copies are available for \$3.00 US (postpaid) from:

George Wood, Editor
 The DXers Guide to Computing
 Radio Sweden International
 S-105 10 Stockholm
 Sweden

TWO YEARS WILL BE ENOUGH!!

I plan to retire as editor of the Computer Corner with the September issue. Anyone interested in editing the 'Corner' please contact Bill Oliver at NASWA Headquarters.



SPECIAL feature



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

Welcome to "Special Log Report A". Hope all are having a nice summer and I will be back next month with the usual selection of fine loggings from NASWA member's.

2340	CHINA	Fujian Front	3385	INDONESIA	RRI Malang
2390	GUATEMALA	LV de Atitlan		PNG	R. East New Britain
	MEXICO	R. Huayacocotla		FRENCH GUIANA	RFO Cayenna
2410	BRASIL	R. Transamazonica	3395	INDONESIA	RRI Tanjungkarang
2420	BRASIL	R. Sao Carlos		ECUADOR	R. Zaracay
2475	CHINA	Hangzhou	3396	ZIMBABWE	ZBC
2495	MADAGASCAR	R. Madagascaria	3607	JAPAN	NHK Tokyo
2850	DPR KOREA	R. Ryongyang	3815	CHINA	Beijing
3200	LIBYA	V. of Great Arab	3900	CHINA	Hailar
	SWAZILAND	TWR	3905	INDONESIA	RRI Banda Aceh
3205	BRASIL	R. Ribeirao Preto	3915	SINGAPORE	BBC
3212	MOCAMBIQUE	R. Maputo	3925	INDIA	AIR Delhi
3220	CHINA	Beijing		JAPAN	NSB Tokyo
	PAPUA NEW G	R. Morobe	3930	TRANSKEI	Capital Radio
3222	TOGO	R. Kara	3931	CAPE VERDE	LV Sao Vicente
3223	INDIA	AIR Simla	3945	INDONESIA	RRI Denpasar
3225	VENEZUELA	R. Occidente	3955	UK	BBC
3230	RSA	SABC	3958	FALKLAND IS.	FIBS
	PERU	R. El Sol Andes	3965	FRANCE	RFI
3240	SWAZILAND	TWR	3975	UK	BBC
3250	RSA	SABC	3990	LIBERIA	VOA
3251	HONDURAS	Luz y Vida	3995	BRD Germany	DW
3255	LIBERIA	LBS	3999	GREENLAND	R. Gronlands
	VENEZUELA	LV de el Tigre	4000	CAMEROON	R. Bafoussam
3260	NIGER	ORTN	4020	CHINA	Beijing
	PNG	R. Madang	4030	USSR	Anadyr
	ECUADOR	LV Rio Carriazal	4040	USSR	Vladivostok
3265	INDONESIA	RRI Bengkulu	4050	USSR	Frunze
3270	SWA	BWABC	4060	USSR	Kharkov
3275	VENEZUELA	R. Mara	4250	CHINA	Beijing
3280	ECUADOR	LV del Napo	4330	CHINA	Fujian Front Sta
3285	BELIZE	R. Belize	4460	PERU	R. Norandina
3288	MADAGASCAR	RM	4485	USSR	Petropavlovsk
3295	SWA	SWABC	4500	AUSTRALIA	VNG
3300	BURUNDI	ORTB	4607	INDONESIA	RRI Serui
	GUATEMALA	R. Cultural	4620	CHINA	Beijing
3310	BOLIVIA	R. San Miguel	4635	USSR	Dushambe
3315	PNG	R. Manus	4680	ECUADOR	R. Nat' Espejo
3316	ECUADOR	R. Pastaza	4682	BOLIVIA	R. Paititi
3320	RSA	SABC	4697	BOLIVIA	R. Riberalta
3325	GUATEMALA	R. Maya	4701	VIETNAM	Son-La (presused)
	BRASIL	R. Liberal	4719	INDONESIA	RRI Ujung Pandang
3330	RWANDA	R. Rwandaise	4725	BURMA	BBS
	CANADA	CHU	4732	PERU	R. San Juan de Caraz
3331	INDONESIA	RKDT2 Sukabumi	4735	CHINA	Urumqi
3335	PNG	R. East Sepik	4737	MOCAMBIQUE	R. Maputo
3338	MOCAMBIQUE	R. Maputo	4740	USSR	R. Afghanistan Relay
3345	INDONESIA	RRI Pontianak	4750	CAMEROON	R. Bertoula
3346	ZAMBIA	ZBC	4753	INDONESIA	RRI Ujung Pandang
3355	N. CALEDONIA	RFO Noumea	4755	BRASIL	R. Educ. Rural
3356	BOTSWANA	RB		BRASIL	R. Dif. do Maranhao
3360	PNG	R. Milne Bay	4760	PERU	R. Huanta 2000
	GUATEMALA	LV Nahuala	4762	LIBERIA	ELWA Monrovia
3366	GHANA	GBC	4762	PERU	R. Inca
3380	MALAWI	MBC	4765	CUBA	R. Moskow Relay
	GUATEMALA	R. Chortis J.		BRASIL	R. Nal. Cruzeiro do Sul
	ECUADOR	R. Iris			

4770	NIGERIA	FRGN Kaduna	4845	MAURITANIA	MBC
	VENEZUELA	R. Mundial Bolivar		INDONESIA	RRI Ambon
4774	INDONESIA	RRI Jakarta		BOLIVIA	R. Fides
4775	BOLIVIA	R. Los Andes		BRASIL	R.N. Manaus
4776	PERU	R. Tarma	4850	CAMEROON	R. Yaounde
4780	ANGOLA	ER do Kuando..		COSTA RICA	R. Columbia
	DJIBOUTI	R. Djibouti		VENEZUELA	R. Capital
	VENEZUELA	LV Carabobo	4853	YEMEN ARAB REP.	R. Sana'a
4785	USSR	Baku	4855	MOCAMBIQUE	R. Maputo
	COLOMBIA	Ecos Combeima	4860	PERU	R. Chinchaycocha
4789	INDONESIA	RRI Fak-Fak	4865	CHINA	Lamshou
4790	PAKISTAN	Asad Kashmir R.		COLOMBIA	LV del Cinaruco
	PERU	R. Atlantida	4870	BENIN	ORTB
4792	ECUADOR	Sistema Atalaya	4875	BOLIVIA	La Cruz del Sue
4795	USSR	Ulan Ude		BRASIL	RN Boa Vista
4797	BOLIVIA	R. Nueva America	4880	RSA	SABC
4800	LESOTHO	RL	4885	ANGOLA	ER do Zaire
	ECUADOR	R. Popular Indap.		KENYA	VOK
4803	BOLIVIA	R. Santa Ana		BRASIL	R. Clube do Para
4805	BRASIL	R. Diff. Amazonas		COLOMBIA	Ondas del Meta
	BRASIL	R. Itaitia		PERU	R. Huancavelica
4806	SAO TOME	R. Nacional	4890	SENEGAL	ORTS
4810	GALAPAGOS	LV de los Gal.	4895	MALAYSIA	Kuching/Sarawak
	GABON	Africa # 1		BRASIL	R. Bare
	PERU	R. San Martin	4900	ECUADOR	LV de Saquisili
4815	BURKINA FASO	R. Burkine			
	BRASIL	R. Tabatinga			
4820	ANGOLA	ER da Huila			
	BOTSWANA	RE			
	HONDURAS	LV Evangelica			
	ECUADOR	R. Paz y Bien			
4825	USSR	Vladivostok			
	GUATEMALA	R. Mas			
	BRASIL	R. Ed. Braganca			
4826	PERU	R. Sicuani			
4830	VENEZUELA	R. Tachira			
4832	COSTA RICA	R. Reloj			
4835	MALAYSIA	Kuching			
	GUATEMALA	R. Tesulutlan			
4840	VENEZUELA	R. Valera			
	KENYA	Kosa Rock			

73's & CUN 3011

mike

EXCERPTS FROM LETTER FROM RADIO FARABUNDO MARTI :

" . . We see you speak some spanish so we hope you can get some benefit out of the programs you listen to so you can understand the war situation in our country.

Farabundo Marti is not related to the Cuban patriot Jose Marti, he is a Salvadoran national hero as he led the first massive insurrection for social and economic justice back in 1932. Our democratic revolutionary organizations which lead today's struggle for justice and therefore named in his honor, Farabundo Marti National Liberation Front and Democratic Revolutionary Front.

At the moment we do not have a publication in the USA but let us suggest you subscribe to the monthly newspaper the El Salvador's Link or the Alert! in order to get an adequate understanding of our situation in El Salvador. Your interest in the plight of our people is important to us, as they suffer the consequences of the Reagan policies of military involvement in our country. You as a Northamerican can help us directly by telling your representative that you do not agree with the war the US is financing in El Salvador. If you know others persons that share your same concerns tell them to contact us and we shall do our best to share our information with them. Also you could send us their address and we shall contact them.

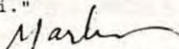
As a Radio station we produce a 3 minute news summary and interviews in english and send them, via telephone, to various U. S. radio stations. Maybe your community radio or another station of your knowledge would be interested in receiving our weekly service. If so forward their address, telephone and contact person to us and we shall communicate with them.

Address of EL SALVADOR'S LINK
P. O. Box 1155
Madison Sq. Station
New York, N.Y. 10159

THE ALERT!
P. O. Box 50139
Washington, DC 20004 . . .

Publication team of the Radio Farabundo Marti."

(signature here I couldn't read)


From: Marlin A. Field
128 Oak
Hillsdale, MI 49242

Note: Marlin writes that this letter was part of his verification. It was in English and the parts He included are typed as they were written...incorrect spellings, etc.

In addition to the the two-page personal letter in English, he also received a confirmation card, postcard of "handicraft made out of seeds in area controlled by FMLN-FDR in El Salvador." (Those words are in English on the back of the card along with the words "SUPPORT THE FMLN."), and a copy of "Venceremos", the semi-monthly Spanish-language publication of the organization. A sticker was also included. The address is Radio Farabundo Marti, Apartado Postal 3280, Telcor Central, Managua, Nicaragua.

Compiled by Roger Legge, Box 108, Arlington, VA 22210

Deduct 1 hour from EDT to convert to CDT. M-F refers to EDT days. Some announced frequencies omitted due to poor or non-reception. *- Not intended for NA, but receivable.

MORNING

EDT	UTC	Station	Frequencies (Khz)
6:00-8:00am	1000-1200	Moscow, USSR	9600h, 11850, 11950, 13705, 15225
6:00-10:00am	1000-1400	Melbourne, Australia	9580
6:30-7:25am	1030-1125	Hilversum, Holland	6020b, 9650b
7:00:30am	1100-1130	Helsinki, Finland (M-F)	15400, 11945
7:00-8:00am	1100-1200	Peking, China	9535
7:00-9:30am	1100-1330	London, England	5965c (to 1130), 6195w, 9510c, 11775w, 15070
7:15-8:35am	1115-1235	TWR, Bonaire, NWI	11815
8:00-8:25am	1200-1225	Montreal, Canada (M-F)	9650, 11955
8:00-8:30am	1200-1230	Helsinki, Finland (Not Su.)	15400, 11945
8:00-9:00am	1200-1300	Peking, China	9535, 9640
8:00-10:00am	1200-1400	Moscow, USSR	9600h (to 13), 11850, 11950, 13705, 15225
8:00am-12n	1200-1600	HCJB, Quito, Ecuador	15115, 17890, 11740
8:30-9:00am	1230-1300	Vienna, Austria (Sun.: 12-13)	15320
8:35-8:45am	1235-1245	Athens, Greece	11645, 15630, 17565
9:00-9:30am	1300-1330	Helsinki, Finland	15400, 11945
9:00-9:30am Su	13-1330 Su	Oslo, Norway	15310
9:00-9:55am	1300-1355	Brussels, Belgium (not Su.)	15590
9:00am-12n Su	1300-1600 Su	Montreal, Canada	11955
10:00-10:30am	1400-1430	Helsinki, Finland	15400
		Stockholm, Sweden	15345, 11785
10:00-10:30am Su	14-1430 Su	Oslo, Norway	15310
10:00am-12n	1400-1600	Moscow, USSR	11840h, 11860, 11950, 13705

AFTERNOON

12n-1:00pm	1600-1700	*Paris, France	17620 ("Paris Calling Africa")
12n-1:45pm	1600-1745	London, England (Sa/Sa 1500-)	11775c, 15070, 15260c
12n-3:00pm	1600-1900	Moscow, USSR	11840h, 11860, 11950
3:00-3:30pm Su	1900-1930 Su	Oslo, Norway	15310
3:00-5:00pm	1900-2100	Moscow, USSR	11840h, 11860
3:10-4:40pm	1910-2040	*Havana, Cuba	11795
4:30-5:00pm	2030-2100	*Sofia, Bulgaria	7115, 9700
5:00-6:00pm	2100-2200	Moscow, USSR	7115, 9610, 11840h, 11850, 11860
5:30-6:00pm	2130-2200	Jerusalem, Israel	12080, 13725
5:30-6:30pm	2130-2230	Sofia, Bulgaria	11720, 15330

EVENING

6:00-6:30pm	2200-2230	Montreal, Canada	5960, 9755
		Vilnius, Lith. SSR	9640, 9665
6:00-7:00pm	2200-2300	Ankara, Turkey	9560
		London, England	6120c, 6175w, 9590c, 9915
6:00-8:30	2200-0030	Moscow, USSR	7115, 7175, 7400, 9610, 9720, 9765 (from 2230 9865, 9880 (to 23), 11850 (to 23))
7:00-7:30pm	2300-2330	Jerusalem, Israel	7410, 9435m 9860
		Montreal, Canada	9755, 11710
		Stockholm, Sweden	9695, 11710
7:00-7:45pm	2300-2345	Berlin, DDR	6080, 9730
7:00-8:00pm	2300-0000	Sofia, Bulgaria	11720, 15330
		London, England	5975, 6120c, 6175w, 7325, 9590c, 9915
		*Warsaw, Poland	7125, 7145, 7270
7:30-8:00pm	2330-0000	Kiev, Ukr. SSR	9640, 9665
		Montreal, Canada	5960, 9755

EDT	UTC		
8:00-8:30pm	0000-0030	Jerusalem, Israel	7410, 9435, 9860
		Montreal, Canada	5960, 9755
		Tirana, Albania	7065, 9760
8:00-8:30pm Su	0000-0030 Mo	Oslo, Norway	9580
8:00-9:00pm	0000-0100	Peking, China	11685, 15445
8:00-10:00pm	0000-0200	Madrid, Spain	6055, 9630
8:00-11:00pm	0000-0300	Havana, Cuba	6100, 6140 (from 0100), 9740
8:30-9:00pm	0030-0100	Lisbon, Portugal	6095, 9680
8:30-9:25pm	0030-0125	Brussels, Belgium	9830
8:30-10:00pm	0030-0200	HCJB, Quito, Ecuador	9870, 15155
8:30-10:30pm	0030-0230	London, England	5975, 6120c, 6175w, 7325, 9915
8:30-11:00pm	0030-0300	Moscow, USSR	7115, 7175 (to 02), 7400, 9600h, 9700, 9720 (to 02), 9765, 9865
8:50-9:05pm	0050-0105	Vatican City	6030, 9605, kk845
9:00-9:20pm	0100-0120	Rome, Italy	9575, 11800
9:00-9:30pm	0100-0130	Budapest, Hungary (Not Su.)	6025, 9520, 9835, 12000
		Jerusalem, Israel	5880, 7410, 9435
9:00-9:50pm	0100-0150	Cologne, W. Germany	6040w, 6085m, 6145, 9545m, 9565w, 11785
9:00-10:00pm	0100-0200	Buenos Aires, Argentina	9690, 11710
		Managua, Nicaragua	6015
		Prague, Czechoslovakia	5930, 7345, 9740, 11990
9:15-10:00pm	0115-0200	Berlin, DDR	6080, 9730
9:30-9:40pm	0130-0140	Athens Greece	7430, 9420, 9905
9:30-10:00pm	0130-0200	Montreal, Canada (M-F)	5960, 9755 (As It Happens)
		Tirana, Albania	7120, 9760
		Vienna, Austria	9770
9:30-10:25pm	0130-0225	Hilversum, Holland	6020, 9895
9:45-10:30pm	0145-0230	Berlin, DDR	6125
10:00-10:30pm	0200-0230	Berne, Switzerland	6135, 9725, 9885, 11925, 12035
		Budapest, Hungary	6025, 9520, 9835, 12000
		Kiev, Ukr. SSR	7175, 9640
		Montreal, Canada (M-F)	5960, 9755
10:00-11:00pm	0200-0300	Brasilia, Brazil	11745
		Bucharest, Roumania	5990, 6155, 9510, 9570, 11810
		Johannesburg, So. Afr.	5980, 6010, 9615
10:00-11:30pm	0200-0330	Cairo, Egypt	9475
10:00pm-12mdt	0200-0400	Taipei, Taiwan (via WYFR)	5985, 9680
10:00pm-1:00am	0200-0500	HCJB, Quito, Ecuador	6230, 9870
10:30-11:00pm	0230-0300	Tirana, Albania	7120, 9760
10:30-11:30pm	0230-0330	Hilversum, Holland	6165b, 9590b
		London, England	5975, 6120c, 6175w, 7325
11:00-11:30pm	0300-0330	Lisbon, Portugal (M-F)	6095, 9565
		Montreal, Canada	5960, 9755
11:00-11:50pm	0300-0350	Cologne, W. Germany	6010, 9545m, 9565w, 9640w, 9735m
11:00pm-12mdt	0300-0400	Ankara, Turkey	9560
		Prague, Czechoslovakia,	5930, 7345, 9740, 11990
		Sofia, Bulgaria	7115
11:00pm-1:00am	0300-0500	Baghdad, Iraq	6050, 11750
		Moscow, USSR	7400, 9765, 9865
11:00pm-1:45am	0300-0545	Havana, Cuba	6100, 6140 (to 0450), 9740
11:15-11:30pm	0315-0330	*Paris, France	7135, 9535, 9790
11:30pm-12mdt	0330-0400	Dubai, UAE	9565, 11730, 11955, 15435
		Tirana, Albania	6200, 7300
		Vienna, Austria	9770
12:00-12:15am	0400-0415	Jerusalem, Israel	9009, 9435, 11605
12:00-12:30am	0400-0430	Berne, Switzerland	6135, 9725, 9885, 12035
12:00-1:00am	0400-0500	Managua, Nicaragua	6015

Add 1 hour to PDT to convert to MDT. M-F refers to PDT days.

MORNING

PDT	UTC		
6:00-9:00am	1300-1600	Moscow, USSR (via Khab.)	7160, 7265, 9580, 9655, 9755
7:00-7:30am	1400-1430	Helsinki, Finland	15400
		Stockholm, Sweden	11785, 15345
		Tokyo, Japan	5990
7:00-8:00am	1400-1500	Seoul, S. Korea	9750
7:00am-12n	1400-1900	Melbourne, Australia	9580, 5995, 6060
8:00-9:00am	1500-1600	Tokyo, Japan	5990
9:00-10:45am	1600-1745	London, England (Sa/Su 1500-)	11775c, 15260c
9:00-11:00am	1600-1800	Moscow, USSR (via Khab.)	9580, 9655, 9755, 12030
10:00-10:30am	1700-1730	Tokyo, Japan	5990

AFTERNOON

12:00-12:30pm	1900-1930	Tokyo, Japan	11705
12:00-3:00pm	1900-2200	Moscow, USSR (via Khab.)	12030, 12050, 13665
3:00-3:30pm	2200-2230	Vilnius, Lith. SSR (via Khab.)	11790, 11875, 13605
3:00-6:00pm	2200-0100	Moscow, USSR (via Khab.)	11770, 12030, 12050, 13665, 15425
3:00-7:00pm	2200-0200	Melbourne, Australia	15320, 15395, 17795
4:00-4:50pm	2300-2350	Pyongyang, No. Korea	11735, 13650
4:30-5:00pm	2330-0000	Kiev, Ukr. SSR (via Khab.)	11790, 11875, 13665

EVENING

5:00-5:50pm	0000-0050	Pyongyang, No. Korea	11880, 13700, 15150
5:00-6:00pm	0000-0100	Peking, China	11685, 15445
		Seoul, So. Korea	15575
5:00-7:00pm	0000-0200	Madrid, Spain	6055, 9630
5:00-8:00pm	0000-0300	Havana, Cuba	6100, 6140 (0100-), 9740
5:30-6:25pm	0030-0125	Brussels, Belgium	
5:30-7:00pm	0030-0200	HCJB, Quito, Ecuador	9870, 15155
5:50-6:05pm	0050-0105	Vatican City	6030, 9605, 11845
6:00-6:30pm	0100-0130	Jerusalem, Israel	5880, 7410, 9435
6:00-7:30pm	0100-0230	London, England	6120c, 6175w, 9590gr
6:00-8:00pm	0100-0300	Moscow, USSR (via Khab.)	11770, 12030, 12050, 13665, 15425
7:00-7:30pm	0200-0230	Budapest, Hungary	6025, 9520, 9835, 12000
		Kiev, Ukr. SSR (via Khab.)	11790, 11875, 13605
		Montreal, Canada	5960, 9755
7:00-7:45pm	0200-0245	Berlin, DDR	9560, 9620
7:00-8:00pm	0200-0300	Brasilia, Brazil	11745
		Johannesburg, So. Africa	5980, 6010, 9615
		Tokyo, Japan	15195, 15420, 17825
7:00-9:00pm	0200-0400	Melbourne, Australia	15320, 17795
		Taipei, Taiwan	11825, 5985/9680 (WYFR)
7:00-10:00pm	0200-0500	HCJB, Quito, Ecuador	6230, 9870
7:30-8:30pm	0230-0330	Hilversum, Holland	6165b, 9590b
8:00-8:30pm	0300-0330	Lisbon, Portugal	6090, 9565
		Montreal, Canada	5960, 9755
8:00-8:50pm	0300-0350	Cologne, W. Germany	6010, 9545m, 9565w, 9640w, 9735m
8:00-9:00pm	0300-0400	Ankara, Turkey	9560
		Peking, China	11880, 15280, 15445
		Prague, Czechoslovakia	5930, 7345, 9740, 11900
		Sofia, Bulgaria	7115
		TWR, Bonaire, NWI	9535
8:00-10:00pm	0300-0500	Moscow, USSR (via Khab.)	9755, 11770, 11790, 12030, 13665, 15425 (to 04)
8:00-10:45pm	0300-0545	Havana, Cuba	6090, 6100, 6140 (to 0450), 9740
8:10-8:25pm	0310-0325	Vatican City	6150
8:15-8:30pm	0315-0330	*Paris, France	7135, 9535, 9790

PDT	UTC		
8:30-9:00pm	0330-0400	Tirana, Albania	6200, 7300
8:30-9:15pm	0330-0415	Berlin, DDR	9560, 9620
8:30-9:30pm	0330-0430	London, England	5975, 6175w
9:00-9:15pm	0400-0415	Jerusalem, Israel	9009, 9435, 11605
9:00-9:30pm	0400-0430	Berne, Switzerland	6135, 9725, 9885, 12035
9:00-9:30pm Su	0400-0430 Mo	Oslo, Norway	9730
9:00-10:00pm	0400-0500	Buenos Aires, Argentina	9690, 11710
		Managua, Nicaragua	6015
		Peking, China	11980, 15280
		Tokyo, Japan	11705
9:30-10:00pm	0430-0500	Vienna, Austria	9755
9:30pm-1230am	0430-0730	London, England	5975w, 9510w
10:00-10:50pm	0500-0550	Cologne, W. Germany	5960, 6120w, 6130, 9700w
10:00-11:00pm	0500-0600	Madrid, Spain	9630
		Tokyo, Japan	9735
10:00pm-12mdt	0500-0700	HCJB, Quito, Ecuador	6230, 9870, 11910
10:30-11:25pm	0530-0625	Hilversum, Holland	6165b, 9715b
11:00pm-12mdt	0600-0700	Seoul, So. Korea	9570, 15395
11:30pm-1:00am	0630-0800	Havana, Cuba	9525
12:00-1:00am	0700-0800	Taipei, Taiwan (via WYFR)	5985
		Tokyo, Japan	9735

Relay stations: a-Ascension, b-Bonaire;NWI, c- Canada (Sackville), gr -Greenville, USA, gu-French Guiana, h -Havana, m - Malta,

SCHEDULE CHANGES:

IRAQ - Eng. to NA now at 0300-0500 --- Too late (11pm-1am EDT), Too long (2 hours), too high (11750, should be on 9), too qrm'd (6050 - cochannel with HCJB) |

JAPAN - Canceled 0015 to E, NA, due to poor reception. Added new 04-05 on 11705. Dropped General Service to NA at 0100, 0300, 0900, 1100, 1300, 2300, added 1400 & 1900.

SWEDEN - On 1400 broadcast, added 11785 to W, NA

VATICAN - New broadcast to W, NA at 0310-0325, on 6150.

ANARCON '86

JULY 18-20, 1986

CONVENTION FOR RADIO
MONITORING ENTHUSIASTS



Listeners Notebook

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

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AFGHANISTAN Monitoring research 12-17 Jun: On 3/6, ITU IFRB published amendments to J86 THFBS incl these Afgh xmtrs: 17785 S&SEAs 09-1030, 11845 Eu&NAF 17-20, 11820 SAs 1230-1630, 9635 ME&WAs 0130-0430 & 07-17, Eu 1730-20, 9605 WAs 0130-0430 & 07-09, SAs 09-1030, 7285 WAs 0430-09, 7250 ME &WAs 0130-20, 7200 ME&WAs 0130-20, 6125 WAs 0130-17, & additionally WAs 1430-17, 6100 SAs 1630-1930, 6085 WAs 0130-0430 & 07-1730, 6025 WAs 1030-1230. This represents a complement of one 7.5 kW (on 6085), two 50 kW (7250, 7200) and four 100 kW SW xmtrs. Does not incl at least three trop-band xmtrs (on 4740 4450 3965) [none of these are tropical bands -gh], xmtrs OOB (none currently known), nor those xmtrs (possibly two) in USSR mainly relaying R Afgh ES. Of fqs above, only 3 so far confirmed: 7200 & 6085 continue w/RAfgh main DS in PS & DR and for its minorities and neighbouring countries svc respectively. 6125 is new, for R Kabul city svc (also on 1206) 0130-0230; this one also carries R Iran Toilers svc, qv (WBI 20/6)

ALBANIA R Tirana 2nd Mx Pgmme made its first bc 16/6; 0930-13 local on 221m (1359 kHz), 50 kW. Director said most pgms light mx, folk mx and humour, in response to listeners' requests. Tech dir said hrd in all holiday areas of the country from Shkoder district to Vlore district, w/G reception, also elsewhere in Albania not as well (WBI 20/6) Humour?

ARGENTINA I went to the R Belgrano office, and here's a short explanation of LV de Sudamerica, 6090: Mr Salinas, tech mgr said R Belgrano sked is 22-03v, and on M-F 23-03 the LV de SAM pgm is bc independently from MW, as Codina mentd. Mr Lázaro, Pgm Chief of RB, says LV de SAM is a spl pgm diff from MW because they wish to be the "latinamerican eminentely expression w/pgms thæt to relieve the Lam idiosyncrasy" [sic]; visited 14/5 (Gabriel Iván Barrera, Argentina, June DSWCI SW News) And the J86 RAE sked in EG: 01-02 Am 9690 11710 04-05 Am 9690 11710, 18-19 Eu/NAF 15345, 21-22 Am Sat/Sun 6060 11710 (ibid.)

AUSTRALIA R Australia in EG: 0000 on 17795 15395 15320 15240 15160, 0100 17795 17750 17715 15395 15320 15240 15180 15160. (Sat only sports 02-0730 on 17715 15240 11910 only). 03 on 17795 17715 15320 15240 15160, 04 on 17795 17750 17715 15395 15320 15240 15160 11910, 05 drop 15320, 06 on 17750 17715 15395 15240 15160 11910, 0630 drop 11910, 07 on 17750 17715 15395 15240 15160 9655 5995, 0730 on 17750 17715 15395 11720 9655, 08 add 9580, 0853 on 15405 11800 11720 9655 9580, 0930 drop 11720, 1000 on 15405 9770 9655 9580, 1030 drop 9655, 1053 on 11800 11705 9770 9645 9580 7215 6080 5995, 1130 add 6060.

1230 on 9770 9580 7215 7205 6080 6066 5995. 1300 drop 9770 7215. 1330 on 11 800 9580 7135 6080 6060 5995. 1400 drop 11800. 1430 7205 replaces 7135. 1530 on 9580 7205 6080 6060 6035 5995. 19 on 9580 7215 7205 6080 6060 6035. 20 9620 replaces 6060. 2030 on 9620 9580 only. 21 add 15395 15240 15160. 2130 drop 9620 9580. 22 on 17795 15395 15320 15240 15160. At certain hours some channels break away from others for Pac nx instead of world nx: 09 10 18 19 20. Also, separate pgms for SAs and Pac air at 1110-1130, 1210-1230 (WBI 20/6)

A U S T R I A [Cf June LN] R Austria QSY for Au/As 9585 ex-9735 which was co ch DW, 06-07 incl EG 0630 (Joe Hanlon, PA, 15/6) 9585 NF replacing terrible 9735 used earlier in J86, EG to Au 0635 VG, clear of QRM 12/6 (Bob Padula Vic)

B A N G L A D E S H Dhaka seems to have dropped morn svc to Eu 0630-0830—at least untraced (Noel R Green, UKOGBANI, Jun DSWCI SWN) R Bang hrd F-P on 13670 16-18; in AR til 1630, then BG, best hrd 23/5; EG 1230-13 hrd 24/5 on 15525, P (Christos Rigas, Chicago IL)

B E L G I U M Re BBCMS' fq list for RTBF, Jun LN pp 16-17: 11855 hrd UTC 15/6 w/drum IS at 0412, so NF replacing 6075, //9900. Times for 11855 are M-F 0330-0515, Sat s/on 0400, Sun 0430 (Joe Hanlon, Philadelphia PA)/see also FRANCE
RN MN reported 5/6: Belgian PO raided stn in Brussels calling itself WROK and confiscated eqp: stn causing serious QRM to AFN SHAPE (on 101.5 & 103.3 MHz). 16 hpd WROK has been relaying VOA[-Europe], from whom some of the eqp confiscated was on loan (WBI 13/6) So VOA allying itself w/pirates... (gh)

B R A Z I L 49mb stns hrd during morning hours here at mid-winter: 5980, R Guarujá for first time, f/in 2205 11/6. 6000 R Guaíba, 7/6 f/in 2330 World Cup pgm, 8/6 2138 sports, and earlier f/in 11/6 2135, first time hrd on this fq! 6010, R Inconfidência, also first time, 7/6 2137 f/in sports // 6000 etc. 6020, R Gaúcha 7/6 2336 sports // 6000, background QRM RN; unhrd as yet in our evening. 6135, R Aparecida, 7/6 2354 PT talk, not net pgm; 8/6 2219 religion, 2225 full ID w/fqs; no sign of Warsaw! 6152, unID Braz PT sports 2324-2350* abrupt s/off (Bob Padula, Surrey Hills, Victoria, Australia)

R Nacional [presumably Tabatinga], 4815, 20/5 0254-0310 w/Braz pops to a series of "R Nal" IDs, then 0301 mx; ID o/teletype at end of nx 0306, G. R Nal de Manaus, 4845, 0258-0312 21/5, ID series as "R Brás, R Nal" prior to 0300 nx, then jingle ID, mx; teletype at end of nx, F-G; no sign of Bucaramanga lately. R Araguaia, 4905, 22/5 0246-0301* w/continuous PT vocals to 0300 ID & fq amnt, 0301 carrier cut, no anthem, F. unID, possible Braz on 5060 24/5 0506* F-G, instl mx, missed s/off but NA which I believe was Braz; not hrd next 2 nights (Richard A D'Angelo, Wyomingissing PA)

On KCBI 25/5 Capital DXers of Sacto rptd R Brasil Central on 11815 at 0000, obviously another list logging: this stn has morn sked only, hrd 09-10 when active; only Cuba & Spain on this fq at 0000, both in SP (Ernie Behr, Kenora)

B U L G A R I A R Sofia in EG, complete; one hour later in winter. 03-04 ME/Af 15140 11765 9595. 03-04 Am 7115. 0630-07 Eu 15140 11720. 1430-1530 ME/Af 15310 11840 11735. 1730-1830 ME/Af 15310 11840 11735. 1830-19 Eu 11720 9700 6070. 2030-21 Eu 9700 7115 6070. 2130-2230 Eu/Am 15330 11720. 23-24 Am on 15330 11720. BG bcs to Am: 00-0025 15330 11720. 21-2130 15370 15310 11870 11765. 2230-2330 15330 11720. 2330-24 15370 15310 11870 11765 (WBI 30/5)

R Sofia, 15330, NF beginning BG to Ams 2230, mixed AFRTS & Beijing 6/6; interesting HF prop during low solar cycle (Bob Padula, Victoria)

CANADA see JAPAN

C H A D Rdif Natl Tchadienne, 15/6 1855 on new 4920 in FR, political reports & ID as R Chad; also 1917 ID 16/6 (Roland Schulze, Stuttgart, W Germany) Monitoring 28/5-8/6 shows CNR, Ndjamena, moved from 4904 at end of May to 4915 & now to 4920 (WBI 13/6) Abu Dhabi 4905 drove it off (RNMN)

C H I N A Beijing: 17/6 2105 5030 // 7095 Mongolian svc 2115, apparently a new one in that lang. 11905 is recent NF for EG Waf 2100 10/6 mixed DW AR, // 9440. 11925 NF for Taiwan svc 6/6 0600 local ID, TC, // 11100; QRM VOA-Kavalla co-channel (Bob Padula, Vic)

RFI via R Beijing, tent. 2/5 0330-0335 on 5200, FR current affairs pgm, ute QRM; fq choice seems vy strange (Alexander Koutamanis, Greece, DSWCI SW News)
Oh, that last comment was by editor Bernhard Gründl.

C O O K I S L A N D S On 11761, 24/5 0420-0507, pgm of mx from 1930s & 1940s hosted by soft-voiced W. Fqt ments of Friday and TC "19 away from 7 o'clock", 0429 ID; 0445 M w/calendar of events. P w/peaks to F (Richard A D'Angelo, Wyomissing PA) G on 11760 31/5 0421 in Maori (Christos Rigas, Chicago IL) Noted here for the first time this year after numerous checks since April, on 11761, P-VP from 0615 t/in to 0710 t/out. DJ in Maori & EG, pop mx "You Can't Hurry Love" an example. Bits of nx in EG, readable but mostly u/QRN. W ID 0700, drum IS; 0630-07 seemd to be peak as sig strictly very to pathetically poor after 0700. Hearing this 17/6 is first decent sign that DXing might be picking up for late-nite/early am DXing, which has been thus far pretty dreary, w/Oceania at best average and at worst hopeless. And Af being generally average to below par, & if there has been any big event nite thus far, I have missed it (Maxfield Greenwood, Sedgwick ME)

C O S T A R I C A AWR Alajuela, 15460, hrd from 2130 w/hymns, EG IDs & some SP pgms past 0130; low mod & distorted 19/5 (Ernie Behr, Kenora Ont) AWR hrd testing on 15460, first 22/5 in EG 2130, relig talk, ID, addr as Apdo 1177, Alajuela; F sig but low mod (Christos Rigas, Chicago IL)

C U B A R Moscow's relays via Havana on 11840 & 9600 were noted off the air for several days, 14/5 1700, back on at 1400 17/5 (Christos Rigas, Chicago)

D E N M A R K [Cf Jun LN-20] Monitoring research 1/6: R Denmark issues revised ES sked effective 26/5, same as before except: 00-0052 11840, 09-0952 11770, 12-1252 15180, 14-1452 15120, 15-1552 15125, 2030-2045 15155, 21-2152 9745, 22-2252 11745, 23-2352 11840 (WBI 6/6) Joe Hanlon, PA, provides the same changes from monitoring & ILG, except 23-2352 11745; they annc the changes some 3-5 days in advance before ES nx, and may well have made more by now (#) 11745 confirmed 4/6 *2157 & 5/6 *2257, VOFC QRM; 9745 at 2142 4/6 (Bob Padula, Vic)

D O M I N I C A N R E P U B L I C R Antillas, 5955.5, hrd 14/5 from 0940 w/pre-election talk for Dr Balaguier, but not hrd since; now off air? (Ernie Behr, Kenora Ont, 6/6) I hrd that this SW opn was w/out knowledge of the authorities (gh)

R Discovery sent out newsletter dated Apr/May/Jun, "Discoveries", giving sked 18-20 on 15045, 01-03 on 6245; under provisional auth of Dom Telecomms Min; permanent licence expected to be granted this summer; requested call HIWC for V of the Caribbean; studios & xmtr at Plaza Naco, 2nd floor, largest shopping mall in DR, on Tiradentes Av in NW SD; visitors welcome (via Richard A D'Angelo, PA; and Tom Gavaras, MN)

E C U A D O R R Popular, 4800, 0507-0519 24/5 w/vty of vocals, M ancw w/2 IDs, sandwiched arnd some anmts, F. LV del Upano, 5039, 0244-0255* 20/5, to 0257* 21/5, w/"Rdif de lo cultural, LV del Upano" ID; s/off routine incl 2 orchestrated anthems, and "Song of Joy", F; 25/5 w/live speeches 0330 (Richard A D'Angelo, Wyomissing PA)

E Q U A T O R I A L G U I N E A Intl svc from Bata, 9553.2 hrd Fri 16/5 from 2000 w/EG relig pgms to 2150; at 2157 SP ID & NA to 2202*; Mon 19/5 from 2200 w/SP talk & NA to 2227*; Wed 21/5 until 2201*; still on regular M/W/F sked as hrd last year on 15106, which disappeared in July 85 (Ernie Behr Ont)

F I N L A N D R Finland in EG: 0430-0455 Eu/ME/Af 11755 11715 6120. 0630-0655 Eu 11755 6120. 0830(Sat 0730)-0855 Eu/As/Au/Am 15265 15115 11755 6120. M-F 11-1125 Am 15400 11945. M-Sat 12-1225 Am 15400 11945. Sun 1230-14 Am on 15400 11945. M-Sat 13-1325 Am 15400 11945. 14-1425 ME/Af/Am 17785 15400. 1830-19 Sun-Fri & 1855-1900 Sat Eu 11755 9655 6120. 1930-20 Eu 11755 6120. 21-2125(Sat -2200) Eu/As/Au 11755 11715 6120 (WBI 13/6)

F R A N C E RNMN reported 5/6: In Paris, the legality of a stn carrying VOA-Europe is unclear. Xmtr called "Ici et Maintenant" carries the stn legitimately on 96.6 MHz; but a weaker xmtr carrying VOA at other times on 94.85 is also hrd in Paris, an odd channel and stn seems to think it is on 94.8 [Actuality of the latter gives name and addr as KLOV, 274 Rue St Honoré, Paris 75001] (WBI 13/6) See also BELGIUM

I C E L A N D ISBS on another new in-band fq, 9640 USB, hrd 24/5 in IC *1304-1333*; 27/5 at *1302-1328*; G sig but not hrd daily (Ernie Behr, Kenora Ont)

I N D I A AIR Aizawal tent logged on 5050 1539 12/5 //3905 3925 w/man IDing as "This nx is coming to you from All India Radio," then more natl & world nx, followed by an ad in vern. Better on LSB; P, mixing w/China and hetted by Singapore 5052 (Dale Park, Honolulu HI)

I S R A E L V of Israel, IBA in EG, complete: 00-0025 Eu/Am 9860 9435 7410. 01-0125 Eu/Am 9435 7410 5885. 04-0415 Eu/ME/As/Au/Am DS relay 17630 13725 11960 11700 11605 9435 9009. 10-1030 Eu/ME/As/Au/Am 17815 17658[sic, means 17685] 17565 15650 15640 13725 11700. 17-1715 Eu/ME/Am DS relay 13745 11585 9920. 19-1930 Eu/Am/Am 15485 13725 12080 11700 11605 9435 9009. 2130-22 Eu/Am 15485 13725 12080 9860 9815 9435 9009 7410. 23-2330 Eu/Am 9860 9435 7410 (WBI 30/5) Note that several fqs are operating offset: 17633 instead of 17630, 13748 instead of 13745, 9857 instead of 9860 etc (Noel Green, DSWCI)

J A P A N Kyodo nx agcy, Tokyo, reported 17/6: JBC (NHK) will start being overseas radio pgms both in JP & EG to ENAM from Oct, Bunsei Sato, Minister of P&T said Tue 17/6. This'll enable listeners in various Am regions incl NY & Wash to have access to R Japan pgms. NHK plans to conclude a contract w/CBC to use a stn in Sackville NB, Sato told a cabinet meeting. Initial phase of plan calls for an hour a day from 1/10 until 30/9/87. The Japan Foundation, a quasi-govt'l cultural org 'll meet the cost of 48 mega yen, he added (WBI 20/6) One'd've expected a quid-pro-quo tradeout of xmtr time w/RCI, which is reportedly eager to get its pgms into Asia; but mention of a price seems to contradict this. Assuming 48 megayen covers 365 hours of relays, that works out to 131.5 kiloyen per hour, i.e. US\$792.21 at the rate of 166 ¥/\$. (gh)

K O R E A N O R T H R Pyongyang pulled a fast one! Just a week after rcvg the May WRTH NL containing the RP sked, found on new 9325 at 1720 3/6 in EG. Later monitoring showed // 9977 & 9960 to N&W Af. Is all lost for NL contributor Shigenori Aoki of the NDXC? P;o/u jammer plus ute QRM. Monitoring as of 20/6 shows: CH 07-0750 on 9750 et al, 10-1050 9765 9380 et al, 23-2350 9555 et al --WYFR on 11830--; KR 08-0850 13750 et al (not on 15340 11930), 10-1050 on 9977 9750 9715, 18-1850 9977 9325 et al, 19-1950 9530 et al; RS 09-0950 on 9345 et al, 10-1050 9345 et al; SP 18-1850 9345 et al, 11-1150 9715 et al; JP 05-0550 11830 11780. KCBS stn hrd on 3920 at 1533 13/6 w/usual revly talk in KR, then what sounded like dramatized Kim speeches; into local mx played by W then quick ID, 3 + 1 pips à la Japan, anmt and choral mx. QRMD by NSB 3925, P (Dale Park, Honolulu HI)

K O R E A S O U T H R Korea in EG, one-hour bcs: 00 As/Am 15575 104.5 FM. 02 As 7275. 04 Eu/ME 15575 13670. 06 As/Am 15395 9570 7275. 11 ME/Am 15575. 1330-14 As 6165 6135 1170. 14 Am 15575 9750 9570. 16 Eu/As 9870 5975. 18 Eu/As 15575 5975. 1930-20 As 1170. 2030 Eu/ME/Am 15575 7550 6485.

15-min World Nx Svcs: 0145 As 15375 7275. 0445 Am 15395 9570. 1230 As 11740 7275. 1345 As/Am 15575 11740 7275. 1545 Af/Eu 11840 9870. 1715 Eu on 15575. 1900 Af/As 11840 7275. 2045 As 5975. 2145 As 15375 9640 7275. 2345 As/Am 15575 9640 (WBI 13/6)

L E B A N O N Govt stn R Lebanon reported 4/6 excerpts from a speech by Amal leader Nabih Birri, Minister of State for the South and Reconstruction, on the occasion of the inauguration of the Lebanese Natl Resistance radio on 4/6; and monthly contrib of 200 kilopoundsLeb to cover stn expenses now that its mgmt & supervisors have volunteered to convert it into the radio of the southern resistance... Monitoring 5-6/6 shows stn in AR called V of the Natl Resistance (Arabic: Sawt al-Muqawamah al-Wataniyah) found on 1050 kHz; nx every hour on half hour. Per 5/6 'An-Nahar' nxpaper, stn is in Bi'r Hasan in West Beirut, w/Nasir Qandil as its director (WBI 13/6) Survey 7-11/6 of pgming: daily 0357-2050 incl nx 05, 1015, 1430, 1830, 2030; summaries 0405, 0630, 0730, 0830, 1130, 1230, 1330, 1630, 1930. This stn may be connected to V of Arab Revolution, first hrd May 1979, also describing itself as the voice of Natl Resistance. VOAR also carried out test bcs on 1050 in Feb 86 (WBI 20/6)

M A D A G A S C A R 5010v reactivated, 22/4 0302-0315 MG anmt w/echo effect,

girl ancr w/many ments of Antananarivo, then Af instl; 0315 drift to 5009.5 (Bernhard Gröndl, W Germany, DSWCI SW News)

MÉXICO R México Intl, 15430, 2310-2332 w/romx pgm hosted by M&W; ments of numerous Mex cities; probable, as no ID noted; SIO 353 w/deep fades (Richard A D'Angelo, Wyomissing PA, 26/5)

MONGOLIA R Ulan Bator ES: 0950-1025 MG As 12015 9615. 1025-1055 Std CH As same. Tue & Fri 1030-11 RS Eu 11855 7262 4995 4895 4865 4850 4830 4080 3960 [why not bc to Asia too?]. 1055-1130 MG As 12015 9615 & 1130-12 Std CH same. 12-1235=not Sun EG As/Au 12015 9615. 1255-1330=not Sun EG As/Au 15305 9575. 1330-14 Std CH & 14-1430 MG As 15305 9575. 1445-1520=not Sun EG As/Au 12015 9575. 1930-2005=not Sun EG As/Au 15305 7235. 21-2130 Std CH & 2130-22 MG both As & not Sun on 12015 827 (WBI 13/6) BBCMS habitually omits bcs in FR reported by other sources, incl RUB's own published sked, and this time is no exception (gh)

MOROCCO R Monte Carlo, 15465, hrd 14/5 from 1200 w/AR pgm & mx to 1504*; 18/5 until 1507*; R Moscow in AR on same fq from 1500, can be confusing; if R MC xmtr is near Nador, it could be a new country for DXers: Spanish Morocco, which was active on SW in 1950s (Ernie Behr, Kenora Ont) Those who live in the past w/the NASWA Country List, that is; but R Mediterranean already there, it seems, so not new (gh)

MOZAMBIQUE R Moz, 10/6 in PT 1750 nx, 1815, ID on 4753.6v, also hi-life mx (Roland Schulze, W Germany)

NETHERLANDS Monitoring research 17/6: RN sked effective 1/7 shows 0130-0225 in EG to NAM from Flevo dropped because of current poor prop condx. Same fqs, 9895 & 6020, which would've carried RN 0230-0325 Spanish, now discontinued, '11 be used for EG // Bonaire 9590 6165. Early morn bc to ME cut back w/DT & EG on 9895 & 7175 at 0330-0355 & 04-0425 resp; had been two 55-min pgms. RN's 09-1025 svc for Surinam & Carib '11 be bc add'ly on 6040 & 6020 'subject to the jamming problem' and 9895 from Neth still used weekends. Indo bc 1330-1425 no longer to Eu; to SEAs only on 17605 15560, latter also for DT 1630-1725 & 1730-1825 (WBI 20/6) I disagree w/dropping the 0130--in EDT zone, RN badly needs a bc starting earlier than 10:30 pm, tho 2330 UTC would have been ideal; and 9895 reception here not bad, can be better than Bonaire depending on skip condx (gh)

NEW ZEALAND Vy strong on 11780 at 0410 31/5 w/live rugby match (Christos Rigas, Chicago IL)

NICARAGUA If reliable, this should clear up some confusion about daily variations in V of Nicaragua skeding (gh) All on 6015: EG Sun 01-02, Tue-Sat 01-0230, Sun 04-05, Tue-Sat 0430-06. Silent local Sundays. Other days SP bcs: 11-18, 22(Sat 23)-01, 0230(Sun 02)-0430(Sun 04), incl nx: Aquil Nicaragua 1115-1120, 1250-13, 1350-14, 1450-15, 2205-2215, 23-2310, 00-0010, 0230-0240, 03-0310; Bloque de Noticias 0051-0056, 04-0405; Noticiero Revolución, DS relay at 12-1230 & 03-0330 (WBI 13/6)

PAKISTAN R Pak decided to continue using 6230 at 1645-19 at the last minute, but may change to 11635 in June (Noel R Green, UKOGBANI, Jun DSWCI SWN)

PARAGUAY [cf June IN] El Diario, Asunción, reported 20/5: directors & employees of R Nanduti issued communiqué to the public, denouncing attacks on staff and close relatives, repeated jamming of phones and Motorola eqp, STL making it impossible to bc on 1020 kHz. AFP reported from Asunción 23/5 that the jamming withstood for 15 days worsened 22/5 when anonymous bc interrupted its pgms accusing stn officials of being 'bolsheviks' and 'communists', per stn spoxeman. Govt's ANTELCO told a judge that police or court are responsible for detecting criminals QRming bcs. Stn dir Rubín says ANTELCO's reply allows jammer to continue unpunished. RN BOD tried to hire a Pg monitoring expert to locate the criminals 'but we have found no one'. 'All the pros are afraid of govt reprisals if they agree to collaborate w/us' said stn spoxeman. Nxpaper 'Hoy', Asunción, 18/5 carried paid ad signed by 1194 people backing RN & calling for end to harrassment & persecution, etc (WBI 30/5) More...

AFP reported from Asunción 5/6: Humberto Rubín, dir-owner of Ñanduti, told for press 5/6 that his stn has virtually been closed down for 24 days. Requested immediate intervention of for govts, press unions, humanitarian orgs to intervene w/Pg authorities. Said in addn to a sharp and annoying buzzing sound that interferes w/xmns, ofcls close to the govt are persistently exerting pressure on the advertisers, and that since last month the stn has not been able to rx or make intl phone calls (WBI 13/6)

P E R U R El Sol de los Andes, 17/6 in SP, clear ID, huaynos, fine Pv mx on 3228.9 at 0235; 0245 ID again (Roland Schulze, W Germany) R Ucayali, 16/6 hrd for first time on 4950, 0228-0231*, SINPO 35433; gave fqs, clear ID by M, "R Ucayali, buenas noches," start of NA was instl. No trace of R Madre de Dios! (ibid.)

P H I L I P P I N E S The News Herald, Manila, reported 17/5: Employees of the Natl Media Production Centre and the Minfo appealed to Pres Aquino and Info Min Teodoro Locsin Jr, to put an end to harassment perpetrated by volunteer bcers who took over mgmt of the V of the Phil, now called Radyo ng Bayan. In a manifesto signed by some one thousand of them, the employees deplored the situation at the govt bc net and the alleged inaction of its OIC, former movie actor and audio engr José María Gonzales. They claimed that G allowed the injustices and harassment being done by the vol bcers to the legitimate bcers of RngB. Said legit bcers were being gradually eased out and replaced by newcomers who are not even accredited by the Kapisanan ng Mga Brodkaster sa Pilipinas [KPB - Assn of Bcers in the Phil]. Vol bcers were same group branded by former TV-4 OIC José Marie Belez as 'jukebox commentators' and 'opportunists' who took control of Radyo ng Bayan thru 'mob rule' and a 'freak people power'.

Monitoring 21-22/5: 6170 xmtr of the former Maharlika Bcing System, which was used by DZFM radio in EG after departure of Marcos, now being used thruout bc day by Tagalog svc, Radyo ng Bayan, // 918 kHz. DZFM radio in EG now only audible on 9615 (WBI 30/5)

Manila Bulletin reported 1/6: Pres Aquino has issued an executive order creating a Board of Administrators for Banahaw Bcing Corp (BBC), Radio Philippines Network (RPN), and International Broadcasting Corp (IBC) TV and radio stns, to run the facilities of ch 2, 9 and 13 respectively, sequestered by the govt, etc., etc., etc. [summary by gh of a page+ report in WBI 13/6 containing at least four Whereases and nine Sections]

P O R T U G A L Sines, feeder from DW-DLF at 0428 IS, ID in Czech, on 5195, ID also in GM w/xmtr site, then following pgm in Czech & Slovak nx, start of jamming. Best in SSB/USB, so the jammer is not so strong (Roland Schulze, Stuttgart, W Germany, 17/6) I think the site ID must have been for the bc fqs, and that this feeder was actually from W Germany; why would there be a feeder from Sines? (gh)

RDP Int'l, Lisbon, in EG: Tue-Sat 0030-01 Am 9680. Tue-Sat 03-0330 Am 9705. M-F 16-1630 ME/As 15105. M-F 1730-18 Af 15250. 2030-21 M-F Eu 9605 7200.

In PT, complete: 0130-03 Am 9705. M-F 05-07 Eu 9740 6130. Sat/Sun 08-10 Eu 11800 11650 9740 7160. 09-10 Timor 15275. M-F 10-12 Af 21700 15285 15265 15250. Sat/Sun 10-13 Eu/Af 21700 15285 11800 9740 7160. M-F 11-13 Eu 11800. Sat/Sun 13-14 Eu/Af 15265 11800 9605. Sat/Sun 14-17 Eu/Af/Am 15285 15265 15250 11800 9605 7160. M-Sa 15-16 ME/As 15105. Sat/Sun 17-18 Eu/Af/Am 15285 15265 11800 9605 7200 7160. M-F 17-18 Eu 11740=from 1745 9605 7200. Sat/Sun 18-20 Eu/Af 15250 11915 11840 11740=from 1845 9605 7200. M-F 18-20 Eu 11740 9605 7200. M-F 18-21 Af 15250 11915 11840. 22-24 LAm 11840 9795 9600. 23-2430 NAm 9680 6095 (WBI 20/6) The few uos are daily (gh)

S A I P A N KYOI hrd almost daily on 9665, F sigs betw 16 & 19. KFBS hrd on 9870 in RS 16-19 26/5, F-P (Christos Rigas, Chicago IL)

S O L O M O N I S Honiara hrd on 5930 w/ID, nx at 1100 3/5, low sig strength but quite clearly audible (Dennis Allen, NSW, Realistic DX-160, ADXN) Spur? (Mick Ogrizek, ADXN ed.) No, receiver mixing product, +910 kHz from 5020. When a weird fq like this is reported, all editors should see if ± 910 fits (gh)

SOUTH AFRICA - next p
S P A I N REE nx svc in Catalan, Galician, Basque: 23-2330 Am 15125 9630.
0930-10 also SP Eu/Me/Am 11920 11820 11750 9745 9570 9360 7450. 1930-20 Eu/Af

11920 11890 9570 7450. Ladino svc for Sephardic Jews, Thu 18-1830 on 11820. SP for Spaniards at Sea Mon-Sat 1405-1455 on 17890 17770 11820 11750. SP Am: 23-02 15365 11815 9745 9530 9360. 02-05 9630 9360 6055 5970. 10-13 11750 9360 13-18 17890 17770 15365=Sun 11920 11820 11750 9570 7450 [incl some fqs for elsewhere], 1930-23 15125 9630.

EG: 00-01 & 01-02 Am 9630 6055, 05-06 Am 9630. 1730-1830 Eu 9765 7275 6020. 1830-1930 ME/Af 15375 11840. 22-23 Eu 9620 7105 6020 (WBI 20/6)

S O U T H A F R I C A Monitoring 1-14/6: R RSA has replaced 9585 by 15270 at 0630-0730 in EG to Eu/Af; 21-22 svc in EG to same is now on 11900 7270 & 4810. SABC sked showing DS SW fqs no longer gives any for R South Africa, the EG svc, now on VHF/FM only. R Suid Afrika, main AK svc, continues on SW: NW Cape 7285 0550-1655, 3320 04-0545 & 17-1930. SWAf on 9555 0555-1515, 4880 04-0550 & 1520-1930; Weekdays, latter carries Market Report & Meat Prices svc 1607-1655. R Orion, the SABC night svc, 1930-04 on 3215, while R 5, pop mx ch is on 7170 at 0550-1525 & 3250 04-0545 & 1530-22. New svc on SW is SABC regional svc based in Bloemfontein, R Oranje, on 7205 0617-1515 & 3215 at 04-0612 & 1520-1930; effective from 1/5 (WBI 20/6)

SABC TV-1 reportd 14/6: SABC and its FM fqs to change, resulting from ITU decision that Af & Eu countries have to change FM fqs to conform to intl stds. SABC says changes'll be made systematically on regional basis beginning next month. To be completed by July 1987 (WBI 20/6) Presumably to standardize channel spacing; RSA has huge FM net, that being the main band for domestic bcng; listings in WRTVH 86 go to two decimal places, indicating spacing of 0.08 or 0.09 Mhz. Actually, I think even these fqs are rounded approximations as I recall the final CIA FBIS "Broadcasting Stations of the World" FM volume a decade or so ago showed RSA FM fqs to 3 decimal places, i.e. the third decimal place could be any figure, not necessarily 0. The actual spacing may be something like 84 kHz. As long as it works domestically, this would seem to be a highly efficient use of the FM band in a rather isolated part of the world, so why fool with it? Of course, RSA is a law-abiding nation (gh)

SPAIN - preceding page

S R I L A N K A SIBC over R Moscow NAM svc on 15425 at 0200 in EG, G sig (Christos Rigas, Chicago IL)

S U R I N A M E R Suriname Intl's man in charge, Glenn Sankatsingh, was interviewed by Christian Zettl, and edited by Ravindranath G Sewdien. Among the pertinent points, as further edited by gh: ES to WEu started 2 Sept [no year]. Already telecomms coop w/Brazil, so not difficult to arrange SWBC, pgm fed by satellite. Studios are Ventu-studios [apparently a commercial recording studio] w/contract, but plan to build own and have started buying eqp as will be necessary when expands beyond 3 bcs per week; now for Surinamers in WEu, esp'ly Holland and all Dutch-speaking people. No plans to bc in EG or SP. Sked M/W/F 1730 on 17755. Financed by an independent foundation; "there is a general responsibility towards the prime minister but he doesn't mix himself up with the content of the pgms" (June DSWCI SWN) Since RSI has bc in EG for many months now, I assume this was carried out some time ago. See also CRANNY

S W E D E N RSI reported 2/6: RSI will shortly put into opn a new pgmme control system, unique in the world. A tech working on system says new control panel is unique because it can be operated both manually and by computer. This means SW xmtrs can be used more effectively and mistakes such as bcng a lang at a wrong time can be averted. Sound quality'll also improve -- it'll be clearer and more distinct. New panel is displayed in the 'Radiohuset' (SR bc HQ) today and it'll be in opn in a few months (WBI 6/6)

S Y R I A Damascus hrd on 15020 22/5 13-15 in AR (Christos Rigas, Chicago IL)

T A H I T I RFO, 9709.4, from 0500 FR talk & songs to 0530 f/out 18/5; vy weak sig & mod; exactly same fq as Mauritius, which was probably flooded w/ reports. 5/6 on 9748.5 (Ernie Behr, Kenora Ont)

T A I W A N V of Asia, 7445, hrd 21/5 from *1100 EG pgm & mx to 1200 f/out; F sig, but seems less than reported 100 kW (Ernie Behr, Kenora Ont)

WYFR via Taipei on 15055 at 1410 in EG 22/5, F (Christos Rigas, Chicago IL) On 15055 2143-2240 23/5, usual religious fare, generally poor level (Richard A D'Angelo, Wyomissing PA)

TUNISIA Monitoring research 12-31/5: DS in AR now bc as follows: 0430-0700[sic, must mean -0600] 12005 7225, 06-07 12005 11730 9680, 07-08 on 11730 9680, 08-13 17610 15450 11730, 13-15 15450 12005 11730, 15-16 12005 11730 9680, 16-17 11730, 17-18 9585, 18-19 12005 9585 7310, 19-2330 12005 and 7310. ES in AR: 16-18 12005 9680, 19-21 9585 (WBI 6/6)

UGANDA [Cf June LN 26-27] The abbr "NRM" stands for National Resistance Movement -- also sometimes rendered NRA (=Army). This is the group, led by Yoweri Museveni, that took over the govt earlier this year. The NRM overthrew the mily govt, which had earlier overthrown Pres Obote. According to most reports I've seen, the NRM is well liked by Ugandans of various ethnic groups; they appear to want to restore human rights, reduce violence, eliminate corruption. Not an easy task (Bruce Tindall, Chapel Hill NC)

UNITED ARAB EMIRATES V of the UAE, Abu Dhabi, on 4905 between 1610 and 2020 on 10/5, 11/5, 12/5, 23/5, plenty of IDs, time pips and nx after march theme, back here w/beginning of Ramadan, certainly deliberate xmsn contrary to comment in Jun LN (Bernhard Gröndl, W Germany, DSWCI SWN) Regular now here!!! on 4905, 14/6, 15/6, 16/6, 17/6 in AR, clear ID, f/in at 1600, ID at 1715, Koran, lot of AR mx, also political reports and nx (Roland Schulze, W Germany, 17/6)

UKOGBANI BBC now opens to Af on 9560 at 1700, as noted in progress 4/6 w/"Focus on Africa". F; unID way in back plus QRM from unID 9555 and jammer 9565 (Dale Park, Honolulu HI) Fq not listed in July London Calling, and Focus still sked to start at 1709; strange (gh)

BBC Radio One noted on 7371 again 25/5, 7 x 1053, but which xmtr I wonder. It has been there for years actually (Ken Baird, Sorn, Ayrshire, Scotland, DSWCI SW News)

USA A new kind of radio stn will begin opn this summer on SW, Sunplash R Intl, the first all reggae mx stn on SW. To expand the worldwide audience of reggae mx, SRI was created to brng the world a monthly 2-hour pgm of the best and newest reggae has to offer. SRI isnot a radio stn in the traditional sense; we will be using xmtr of another SW stn, not yet finalized, to air our pgms to the world. More info on how you can support, advertise on or sponsor reggae and SRI, by writing to: Sunsplash Radio International, c/o Daniel J Miller, 1604 Plover Springs Dr, Plover WI 54467. Attn reggae bands! If your group would like to get its music heard by the peoples of the world, send us a high quality recording of your songs, whether it be just one, or a whole album. This is a serious project. We are in contact with R Earth, R Milano, and other stns on SW, and hope to work something out soon (Dan Miller)

VOA with new FR svc, *1158 on 17730 24/5 w/IS, ID in EG--with a terrific echo--then FR ID, "Africa Express" show; site? Poor, w/R Moscow underneath and a ripply signal (Dale Park, Honolulu HI) "Voice" magazine shows this new xmsn as Sat/Sun only at 12-1330 on 11810 11920 15190 15600 17730 21685. 17730 per fq sked is Monrovia as are they all; to keep the totals even, the 05-0630 bc is cut to M-F only (gh)

WHRI now on 7355 ex-7400, heard at 0306 17/5 w/R Earth pgm--or is it a stn -within-a-stn? At 5 pm HST WHRI'd propagate better on a higher fq, as it's acceptable after 7 pm. Poor; unID way in back and heavy QRM. Lester E Sumrall, owner of the stn thru LeSEA Corp., visited Honolulu late in May to conduct a crusade at a local PUBLIC high school and to finalize the purchase of KDSC-TV ch 14 Honolulu, which started out as a music video outlet running 20hpd in 1984; lately it has been running relig pgming--local Catholic diocese, CBN 700 Club and several hours of LeSEA shows. Off the air for about 2 weeks as of 8/6; doesn't even have a phone! Actually, they are still on, but have been dropped by Oceanic Cable thanks to new FCC rules (Dale Park, Honolulu HI) LeSEA expanding TV empire, also buying a stn in Tulsa (gh)

US SR R Stn Pacific Ocean, 11690, vy strong 19/5 at 1830-1915 in RS; // 11705 in QRM, 9795 clear; other rptd fqs not hrd & didn't check on Sat for EG nx; pgm opens w/ID "Govorit Vladivostok", IS & "R St Tikhiiy Okean" (Ernie Behr ON) R Moscow 13 MHz fqs noted 11/6, 12/6, 13/6: 13615 0535 NF for WS, 13625 0300 NF for Mandarin but RTTY QRM. 13635 0305 NF for RS, 0330 SH, 13645 0835 NF WS, 13665 0205 NF EG Nam. 13680 0500 opening WS, NF, G sigs. 13700 1215 NF VT // 15330 etc. 13705 1155 NF WS. 13710 ISB feeder *0300 Mandarin LSB,

RS on USB, G level. 13775 0540 NF Mongolian, vy strong. (Bob Padula, Vic)
Local svc from Magadan 26/5 on 9500 1935-2000; "Govorit Magadan" at 1935,
then nx and wx forecast; ruined by Tirana s/on 1958. Into natl bc at 2000 u/
Tirana. (Christos Rigas, Chicago IL)

RMWS fqs monitored the past two weeks:

0000 - 17850 17730 17590 15515 11845
0100 - 17880 17860 17730 15515 15415 15265 11845
0200 - 17880 17860 17850 17730 17590 15515 15415 15265 11845
0300 - 17880 17860 17850 17590 15540 15515 15415 15265 12065 11845 11775 9865
9775 9765 9685 9600 7400 7310
0400 - 12065 12010 11775 11670 9865 9775 9765 9685 9600
0500 - 12010 11670 9685 9610
0600, 0700, 0800, 0900 - not monitored
1000 - 9600 11950
1100 - 17665 17645 17625 15595 15490 15210 13705 13680 13655 13645 13615
11675 9600
1200 - 17665 17645 17625 15595 15570 15540 15490 15475 15440 15210 15140 13705
13680 13645 13615 12025 11950 11675 11660 9795 9600
1300 - 17665 17645 17625 15595 15570 15540 15490 15475 15440 15320 15225 13705
13680 13615 12025 11950 11850 11840=from 1330 11675 11660 9755 9655 7160
1400 - 17665 17625 15570 15535 15475 15440 13705 13680 13615 12025 11950 11840
11660 9755 9655
1500 - 15585 15570 15535 15490 15475 13705 13680 11950 11860 11840 9755 9655
1600 - 15535 11950 11860 11840 11675 9885 9775 9755 9655 9640 9580
1700 - 12030 11860 11840 11675 9885 9755 9705 9655 9640 9580
1800 - 15500 15490 15480 13665 12030 11950 11860 11840 11675 9775 9640 9580
1900 - 15500 15490 15480 13665 12065 12050 12030 11950 11860 11840 11675 9580
2000 - 15425 13665 12030 11860 11840 11675 9775 9470
2100 - 13665 12030 11860 11850 11840 9815 9710 9610 9520 9490
2200 - 11950 9490 9450
2300 - 17850 17590 15515 15360 (Christos Rigas, Chicago IL, 3/6)
R Moscow EG to Af: 17-18 13660, 20-21 on 15490, to GB & Ireland 19-20 on
9775 9470 (Rigas)
R Kiev in EG: 02-0230 Am 13605 11875 11790 9800 9685 7175. 18-1830 Eu on
9710 9560 7330 7175. 2330-24 Am 13605 11875 11790 9800 9685 9665 (WBI 20/6)
R Vilnius in EG: 2130-22 Eu 6100 666. 22-2230 Am 13605 11875 11790 9685
9665. MW xmtrs on 1557 & 1107 irr bc Eu xmsns (WBI 20/6)
R Stn Soviet Belorussia, Minsk, in BR 17-1730 11870 9560 7330 7175, 2030-
21 on 11870 7205 6185; at 17 on the 1st & 3rd Sat in German instead; at 2030
on the 2nd & 4th Sat in German instead (WBI 20/6)
BBCMS has issued another of its twice-yearly comprehensive R Moscow ES
skeds, running 44 pages. Just picking out a few excerpts: 00-0030 Creole on
RSP&P to Haiti 9895 9655. 0030-01 SP to Cuba 11850 9895 9880 9785 9655 7440.
01-0130 Wed/Sat Guarani RSP&P, Mon/Thu Quechua both 12040 11920 9820--other
days these fqs carry RSP&P PT. 01-02 SP Cuba 12010 11930 9895 9880 9785 9745
9710 9665 9655 9610 9580 7440 4765. 02-0230 R Magallanes for Chile 12040
11900 11860 9795 9710 9675 9550 9490 7225 7200. 02-0230 Creole RSP&P 9895
9655. LSB feeder fq for RM NAm svc is 7492.75. 0230-0330 SP to Chile on
same as 02 except 9675. 0330-04 R Magallanes on 12040 11910 11900 11860
9710 9490 7200. 1030-11 Burmese 21615 21585 17740 17730 15500 15280. 1100-
1130 Kannada 17675 15550 15425 15405 11880 11845 11835. 1130-12 Punjabi on
17890 17835 15590 15450 15295 15170 15110. 14-15 Nepalese 17835 15140 13725
11985. 1415-1500 Oriya 17775 15425 15170 12035 9825. 1430-15 Turkish to
Cyprus 15210 12065 11975 7305. The Arabic svc at 1430-1530 includes Messages
to relatives & friends Sun 1445 on 15480 15465 15320 11900 11890 9895. 15-16
Malagasy 15350 11960 11775. 1630-17 RSP&P Hebrew 15520 11975 9665 7355 7305
1170. 17-1730 Greek to Cyprus 11715 7355 7305. 17-1730 Macedonian 9890 7400
5940. 17-1730 Malagasy 11960 11775 9655. 17-1730 Shona 12065 11920 11690
9730 9615. Afrikaans Fri 1745-1800 15550 15500 15490 15140 13660 12015 11970
11950 11865 11850 11755 9675. 1730-18 Ndebele 12065 11960 11920 11690 9730
9615. 18-1830 Bambara 15140 13780 13660 11970. 19-1930 Fulani 15140 13780
13660 11970 11820. (WBI 6/6) For the next LN, I'll entertain requests from
readers about any other R Moscow langs they be especially interested in (gh)

V A N U A T U in tonight on 3945 at 0730 t/in 2/6 at [SIO] (341+42)--severe
QRN from local wx condx; checked 7260 but not audible beyond noting its pre-

sumed carrier, so would have to say 3945 the better bet for DXing this, given enough antenna and freedom from ham traffic. Later: virtually identical situation on 17/6, except 7260 yielding unreadable audio this nite--from 0740 to 0810 check-in. Format at this time was M in FR & Bislema, EZL Island mx, at 0800 shell-horn IS (like one of those cars with a musical car horn--but not melodic) and into mx--this is for 3945, of course (Maxfield Greenwood in ME) Vila, spur in FR 21/4 0948 on 3982.5, F // 3945 which was E (Bryan Clark, Auckland, NZ, NZ DX Times)

VENEZUELA R Nacional, 15/6 in SP, Lam mx, pop mx, TC, ID as "Nacional" on 5022.6v, 0455-0517, but not hrd following days (Roland Schulze, W Germany, 17/6) Venezolana de TV reported 23/5: R Nacional, 630 kHz, has begun using new xmtr expanding coverage, 50 kW, also better audio quality; has 240m ant w/3 dB gain to double power to 100 kW; will continue to emphasize culture, mx and mx (WBI 6/6)

ZAIRE R Candip, 10/6 in FR at 1902 w/"la press", Af folk mx, ID, addr, short slow mx piece w/guitars only before 1915*, 34333 on 5066.3 (Roland Schulze, W Germany)

CLANDESTINE CRANNY A Voz da Resistência do Galo Negro, listed on 4950, is hrd on 4973. Not sure of sked, as also hrd on Sundays tho used to be Tu/Th/Sa. Closes now 1840v, ex 1930. Hrd on several occasions, e.g. 15/12 1842*, 25/12 1841* w/PT ID & chorus before closedown; pgm is in verns (Finn Krone, Denmark, June DSWCI SW News)

R Halgan Nice answer from them came last month. From Abdirashid A Sed (called Qoor), Director of R Halgan, The Voice of Somali Opposition, P O Box 1686, Addis Ababa, Ethiopia; personal letter, verifying reception. Accompanied by a big magazine "Midnimo" (Unity) w/cover story showing Mr Qoor himself, about R Halgan. Nice indeed (Björn Fransson, Sweden, June DSWCI SW News)

Radio SPLA Monitoring 27/5: Stn on behalf of Sudan People's Liberation Army, from xmtr believed to be in Ethiopia, found in EG & AR 13-14 on 9705 ex-9605 (WBI 30/5)

Bizim Radyo (Our Radio), supporting Turkish Communist Party, ancd at 0200 23/5 that from 26/5 it'd bc: 02, 03, 18 and 19 on 6200. 06, 07, 14, 15 on 9585. 10 & 11 on 11820. These believed to emanate from xmtr in GDR; also ancd bc at 1015 & 1445 on 9500; 20 & 2030 on 5915; thought to come from Romania (WBI 30/5) Fqs are actually 6200, 9584, 11818; the GDR xmsns switch to one hour later during wintertime, whilst the ones from Romania do not (WBI 13/6) *21/3/58 (ibid)

V of the Turkish Communist Party, closely linked with Bizim, ancd 23/5 0400 its sked from 26/5: 04, 05, 12, 13 on 9585; 08 & 09 on 11820; 16, 17, 20, 21 on 6200; believed from GDR xmtr (WBI 30/5) Actually 9584, 11818, 6200; during wintertime one hour later. First hrd Jan 1971 as Turkiye Komunist Partisinin Sesi tho similar monthly xmsn aimed at Turkish workers in W Germany by the pro-communist Free Station 904 began in 1968. SW svc from xmtr believed to be in GDR was introed 15/12/74; twice-weekly bc on MW from GDR tho to've been discontinued before 23/11/78. Gives addr as Box 16-367, S-103 27 Stockholm, Sweden (WBI 13/6)

R Iran Toilers Monitoring 23-27/5: Stn, controlled by Iranian Tudeh party, found 23/5 on 9250; subsequent research found this used for all 3 daily Persian lang xmsns, 0230-03, 1530-16, 16-1630; last two are half an hour earlier than when last checked. Anmts say bcs in 49 & 31mbs; fq in or near 49mb not yet found. Previously, stn had used fqs which at other times also carried pgms from R Afghanistan in Kabul (WBI 30/5) 16 & 0230 are repeats of the 1530 xmsn. Persian: Radio-ye Zahmatkeshan-e Iran; first monitored by BBCMS 7/7/84, but hrd by a Japanese listener as early as 23/5/84. Until Apr 1986 it opd from xmts which also carried R Afgh domestic & extl svcs. Ancs postal addr of P O Box 49034, 10028-Stockholm 49, Sweden - the same addr as that used by R Iran Courier (Persian: Radyo-ye Peyk-e Iran) which closed down on 30/11/75 (WBI 13/6) Monitoring 11-12/6: 49mb channel ancd by RIT found on 6125, // 9250 at 0230, 1530, 1600; prior to RIT xmsns, 6125 carries the R Kabul city svc of R Afghanistan (WBI 20/6)

V of the Crusader, 4180, 2030-2145+ 2/4, Farsi, ID "Radio Seday-e Mojahed ast", many ments of Mojahidin-e Khalq-e Iran; often, 33333. Also 13/4 1929 on 3921 // 4180, but not // [at] 1815, 32332 (Finn Krone, Denmark, June DSWCI SW News)

R 15 de Septiembre, 5950, strong 4/6 from *0356 mx & talk abt "Comandos de Libertad"; // 6264.5 much weaker under pulse-jammer; both are DSB xmtrs, maybe ex-5570 & 7195 (Ernie Behr, Kenora Ont) 5950 also noted arnd 1300 here (gh)

R Free Surinam, 9940.4, hrd 24/5 at *2240-2300*; 25/5 at *2237-2257*, DT pgm & SP ID; much weaker than LV del CID & has 2-min xmtr break before & after RFS pgm, for beam change; 5/6 at *2234-2254* (Ernie Behr, Kenora Ont) 21/5, RFS obs on 11635 & 9940 at 2255 w/talk in Hindi already in progress; then anmt in EG "Listeners are kindly requested to send in reception reports to the Council for the Liberation of Surinam, Postbox 5517, Postal Code 3008 AM, Rotterdam, the Netherlands." Then closing anmt in Sranan Tongo and stn signature tune to 2258*; following RFS xmsn, both fqs carried pgming of LV del CID, anti-Cuban-govt stn (WBI 30/5)

V of Freedom El Tiempo, Bogotá, reported from Puerto Boyacá [Boyacá] 19/5: Great commotion prevails in the middle Magdalena region following the appearance of an alleged clandestine stn IDed as V of Freedom. Bc anmts indicating that unID groups'll become the peasants' spokesmen to denounce the actions of communist subversives, particularly the armed group of the pro-Soviet communist party, the self-styled FARC. These groups reject and condemn the vile murder (per stn's version) of the 14th Brigade's members close to Puerto Berrio and blame the FARC for this action. Stn ancs that its HQ are on a Caribbean island and may be hrd on SW. Presenter has a CAM accent. Stn clearly hrd this morn in Puerto Boyacá, Cimitarra and Puerto Berrio; no info about who might be in charge of the org (WBI 30/5) Richard Stoller, Bogotá, hrd this 24/5 1640 on 6093 - LV de la Libertad--could it be LV del Centro xmtr? (gh)

NORTH AMERICAN PIRATE: WHOT, 1630 kHz, 26/5 0301-0414, SIO 211: usual type NYC mx and PC [?] show. Sig was low, but QRM from utes & QRN is terrible here. Ancrs Jim Nasium and Hank Hayes played "Louie, Louie", "16 Candles" & other oldies. Vy pro sound & great mod: Gave phone #, which I believe was (212) 926-9979. Tried to call but got recording that gave the number and said it was 'being checked for trouble' (!) When I went back to the rx, they were gone. FCC chase? (A Yoder, PA)

UNIDENTIFIED 9585 AR stn hrd 3/6, at 2136 starting V of Palestine pgm "Saut ul-Filistin" & revol song, but gone by 2150; other days no Palestine pgm; 5/6 from 1930 AR mx, 2103 anthem, talk & AR mx, 2130 u/jammer to 2155*v (Behr) 15130 AR pgm at 03-0330+, hrd often since 11/5, but QRM from Soviet jmr; no ID hrd (Ernie Behr, Kenora Ont, 6/6)

IN MY OPINION (Ernie Behr, Kenora Ont) Part of a letter I recently sent to KCBI Dallas: Radio Connection continues to bc a lot of misinfo, most of it from Capital DXers of Sacramento. In his report on KCBI, May 16, Phil Reefer admitted that mistakes have been made, but in his words: "DXing is an imperfect hobby and no club can be 100% all of the time". This is a rather poor and unacceptable excuse. DXing is, in fact, a very precise and meticulous hobby: fqs can be measured to 100 or even 10 Hz w/today's rx, and any stn can be correctly IDed, if one cares to do so. Nobody expects 100% at all times, but any club which cannot do better than 50%, should get out of the business and stop misleading people. When a mistake has been made, we can be sure that someone will spot it. Pretending that it did not happen will soon destroy the reporter's credibility. A DXer should not hesitate to admit that he was wrong, and club editors should correct all errors without delay.

gh: OK, KCBI & Capital should've gotten the msg by now, if they're ever going to; assuming the reports will continue anyway, let's hope for greater accuracy! Already doing better than 50%, I think,...

PUBLICATION REVIEW OF INTERNATIONAL BROADCASTING #110 has just been published, with advance pgm details for July, but mainly a special issue w/27-page illustrated Report from the Caribbean by gh, detailing visits to Antigua relay and numerous AM & FM stns, monitoring observations, traveller's tales. Samples \$1.50, 12-issue subs \$18 in NAM, US funds on US bank; overseas samples 6 IRCs, from Glenn Hauser, Box 490756, Ft Lauderdale, FL 33349 (gh)

QSL REPORT

Sam Barto, 47 Prospect Place, Bristol, CT 06010 USA

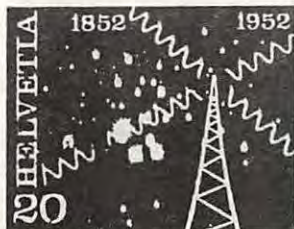
NOTE: We haven't done this type of QSL Column in a while but with the assistance of Neil Carleton this Column is devoted to postage stamps in the communications field. Hope you enjoy it....Sam.

- ALASKA:** KNLS 9535 f/d "Building" cd. in 7 ds. for ms. (Weber-OH).
- ANGOLA:** Radio Nacional de Angola 9535 f/d cd. via registered mail in 53 ds. for an EG/PT rpt. and 2 IRCs. v/s Luzia Fancony, Program Director. (Allen-OK)...Now if we can just get the regionals to QSL...Sam.
- ARGENTINA:** Radio Argentina Exterior 9690 f/d new style blue cd. in 64 ds. w/ personal note on reverse. (McElvy-VA).
- ASCENSION ISLAND:** BBC 15260 f/d personal ltr. in 99 ds. for 2 IRCs. v/s S. Hurst, Maintenance Engineer. (Allen). VOA 15285 f/d "Master Control Room" cd. in 24 ds. (McElvy).
- ASIATIC RUSSIA:** Radio Moscow 15570 via Vladivostok f/d "Bolshoi Theatre" cd. in 49 ds. (Rigas-IL). 9625 via Chita f/d "Lenin Library" cd. in 49 ds. (Rigas). 12050 via Khabarovsk f/d "Hotel Rossiya" cd. w/ schedule in 48 ds. (Hill). 13715 via Irkutsk f/d cd. in 46 ds. (Forst).
- AUSTRALIA:** Radio Australia 15320 via Shepparton f/d "Sheep Station" cd. in 17 ds. (Weiss-OH). 15395 f/d cd. in 17 ds. (McElvy). 17795 f/d "Wheat Field" cd. w/ schedule in 19 ds. (Levison). VNG 12000 f/d folder cd. in 30 ds. for 1 IRC. Station booklet rcvd. (Forst).
- AUSTRIA:** Radio Austria International 6155 f/d "Gail Valley" cd. in 1 mo. (Bowden-CA). f/d "Rural Costume - Walsar Valley" cd. in 52 ds. (Weiss). same in 57 ds. (McElvy). f/d cd. in 64 ds. (McElvy). 5945 f/d "Costume" cd. in 3 wks. (Bowden).
- BELGIUM:** BRT 5910 n/d ltr. in 66 ds. (McElvy). f/d "Les Voyageurs" cd. w/ pennant in 22 ds. (Turner-NY).
- BENIN:** ORTB - La Voix de la Revolution 4870 f/d "Art College" cd. in 2 mo. for a FR rpt. and 2 IRCs. (Meyer-WI).
- BONAIRE:** 9535 f/d "Sunset" cd. in 19 ds. (Giella)...Station?
- BRASIL:** Radio Surinam International 17755 via Radio Bras f/d cd. in 130 ds. for an EG rpt. (Rigas). f/d "Groeten ut Suriname" cd. w/ sticker in 5 1/2 mo. for 1 IRC. (Hill). Radio Universo 9545 p/d ltr. in 187 ds. for a PT rpt. and 2 IRCs. v/s Hermes Y. Akiyama, Produtor Executivo. Stickers rcvd. (Henschen-IE). Radio Cultura do Para 5045 p/d EG form ltr. in 109 ds. for a PT rpt. Sticker rcvd. v/s Francisco Cezar Nunes la Silva, Director. (D'Angelo-PA).
- BULGARIA:** Radio Sofia 7115 f/d "Bachkovo Monastery" cd. in 80 ds. (McElvy).
- BURKINA FASO:** Radio Nationale du Burkina 4815 f/d ltr. in 67 ds. for an EG/FR rpt. and 2 IRCs. (Weber). same in 83 ds. for a FR rpt. (D'Angelo). f/d ltr. in 3 wks. for a FR rpt. and 2 IRCs. (Meyer-WI). p/d form ltr. in 80 ds. for a FR rpt. (Allen).
- BURMA:** Burma Broadcasting Service 5985 f/d "Logo" cd. in 74 ds. after a * f/up rpt. in EG Total time was 16 mo. for 3 IRCs. (Allen).
- CAMEROON:** Radio Cameroun 4750 via Bertoua n/d ltr. in 45 ds. for a f/up rpt. in EG/FR and 3 IRCs. (Weber). Radio Douala 4795 f/d "Map" cd. in 46 ds. for an EG/FR rpt. and 2 IRCs. v/s A. Nsima. (Weber-OH).

- CANADA:** RCI 15260 f/d cd. in 2 wks. (Bowden). 11710 f/d cd. in 20 ds. (Brouillette-IL). 5960 f/d "Musical Staff/Notes" cd. in 17 ds. (Levison). same in 1 mo. (McElvy). Radio Deutsche Welle 6045 n/d "Headphones on Globe" cd. in 10 wks. (Craighead-KS).
- CANARY ISLANDS:** Radio Exterior de Espana 15365 via Tenerife f/d cd. in 59 ds. (McElvy).

Transistor radio and 50th anniversary of VEF Electrical Company.





Radio tower and 100 years of Swiss telecommunications.

CHILE: Radio Nacional de Chile 15140 f/d cd. in 26 ds. for 2 IRCs. v/s Carlos T. Verdugo. (McElvy). same w/ schedule and sticker in 58 ds. for a SP rpt. (VanHorn-FL). f/d cd. in 40 ds. for 2 IRCs. Sticker rcvd. (Cones-VA).

CHINA, PEOPLES REP. OF: Radio Beijing 6015 f/d cd. in 17 ds. (McElvy). 11970 f/d "Summer Palace" cd. in 14 ds. (Turner). 15445 f/d cd. w/ sticker in 33 ds. (Levison). 9535 f/d "Doll" cd. in 6 wks. (Bowden). 9550 f/d "Peasant woman w/ Horse" cd. in 1 mo. (Bowden). 9730 f/d "Buddha" cd. in 22 ds. * (Kacir-MI). f/d cd. in 5 wks. (Bowden). Gansu PBS 4865 f/d cd. direct from station in 39 ds. for an EG rpt. (Rigas). CPBS 5960 f/d "Art Work" cd. in 5 wks. (Bowden).

CIANDESTINE: La Voz de la UNO 5039.2 f/d prepared cd. from FDN Office in D.C. for an EG rpt. and ms. (Gavaras-MK).

COLOMBIA: Radio Sutatenza 5095 f/d form ltr. in 79 ds. for a SP rpt. and ms. v/s Nohora Rodriguez Jimenez. Sticker rcvd. (Allen-CK).

COMORES: Radio Comores 3331 f/d cd. w/ ltr. in 169 ds. for a PR rpt. and 2 IRCs. v/s Antufi Mohamed Bacar. (Cones).

CUBA: Radio Rebelde 5025 f/d cd. w/ schedule, decal and pennant in 52 ds. for a SP rpt. * (VanHorn). Radiostantsiva Rodina 4765 f/d cd. in 4 mo. for 2 IRCs. (Craighead).

CZECHOSLOVAKIA: Radio Prague 5930 f/d cd. in 27 ds. (Levison). f/d "Tank" cd. in 45 ds. (Weiss). f/d "Moldau River" cd. w/ sticker in 26 ds. (Weiss). f/d "Wallachain Museum" cd. in 40 ds. (McElvy). 5930/7345 f/d "Radio Tower" cd. in 42 ds. (McElvy).

DENMARK: Radio Danmark 11940 f/d cd. in 23 ds. for 1 IRC. (Forst).

DOMINICAN REP: Radio Clarin 11700 p/d cd. in 37 ds. for a SP rpt. and ms. (Forst). * Radio Discovery 15045 f/d cd. in 50 ds. (Gavaras-MK).

ECUADOR: Radio Jesus del Gran Poder 5050 f/d cd. in 57 ds. w/ pennant for a SP rpt. and ms. (Rigas). Radio Catolica Nacional 5055 f/d ltr. w/ pennant in 41 ds. for a SP rpt. and ms. v/s Diana Garcia A., Secretaria. (Rigas). Radio Centinela del Sur 4990 f/d "Banco de Loja" cd. in 81 ds. for a SP rpt. and ms. (George)

EUROPEAN RUSSIA: Radio Moscow 11705 via Moscow f/d cd. in 46 ds. (Forst). 11950 via Ruzan f/d cd. in 49 ds. w/ schedule. (Rigas).

Local radio and television station.



Radio tower and conference of heads of State of African and Malagasy governments.

FINLAND: Radio Finland 15400 n/d ltr. in 125 ds. (George)

FRENCH GUIANA: Radio Beijing * 9565 f/d "Ceramic Buddha" cd. w/ site. Pennant and calendar rcvd. (Craighead).

GABON: Radio Japan 9645 via Movabi p/d "Tea Plantation" cd. in 17 ds. (Forst).

GHANA: Ghana Broadcasting Co. 4915 f/d cd. in 204 ds. w/ schedule. (McDaniel-AZ).

GREECE: Voice of Greece 11645 f/d "Lion's Gate" cd. in 14 mo. for 2 IRCs. (Turner). 15630 f/d "Kinos Throne" cd. in 248 ds. for 2 IRCs. (Weber-CH).

Radio tower and stamp honoring Radio Monte Carlo

- GREECE: Voice of Greece 9420 f/d "Music Contest between Apollo and Marsyas" cd. in 35 ds. (Hardester-PA).
- GUATEMALA: TGNA 3300 n/d personal ltr. in 402 ds. v/s Mariella Posadas, QSL Secretary. (D'Angelo).
- GUYANA: GBC 5950 f/d form ltr. in 1 mo. on 3rd try for 2 IRCs. v/s Miss Phyllis Hyles. (Meyer).
- HAITI: Radio 4VEH 4930 f/d folder cd. w/ ltr. in 87 ds. for 2 IRCs. v/s Edna Beachy, QSL Secretary and Gaudin Charles, Director. (Brouillette).
- HOLLAND: Radio Nederland 21685 f/d cd. in 23 ds. (Levison).
- HONDURAS: Radio Luz y Vida 3250 f/d ltr. in 55 ds. for an EG rpt. and ms. v/s Donald Moore. (Rigas). f/d form ltr. in 146 ds. (D'Angelo). same in 84 ds. for a SP rpt. and 2 IRCs. (Brouillette).
- HONG KONG: Radio TV Hong Kong 3940 p/d "Hong Kong Harbour" cd. in 18 ds. (Wilkins-CO).
- HUNGARY: Radio Budapest 6025 f/d "Cathedral in Budapest" cd. in 27 ds. (Kacir). f/d "Bridge" cd. in 47 ds. (Kacir).
- ISRAEL: IBA 5980 f/d cd. w/ schedule in 34 ds. (D'Angelo). 7465 IBA cd. w/ Reshet Bet Relay typed on it in 36 ds. (D'Angelo). f/3 cd. in 26 ds. for 1 IRC. (Weber). 7410 f/d "Logo" cd. in 34 ds. (Kacir). f/d cd. in 5 wks. (Bowden). 9435 f/d cd. in 5 wks. (Bowden).
- JAPAN: Radio Japan 9545 f/d "Shizuoka Tea Plantation" cd. in 18 ds. (Levison). 9735 same cd. in 21 ds. for 1 IRC. (Weber). JYJ 8000 f/d cd. in 2 wks. for 1 IRC. (Forst).
- JAVA: RPI Yogyakarta 5046 p/d ltr. w/ schedule in 46 ds. for an IR rpt. and ms. v/s Erwina Ristianni, Public Relations Staff. (Wilkins).
- KIRGHIZ SSR: Radio Moscow 15420 via Frunze f/d cd. in 46 ds. (Paszkiwicz).
- KOREA, REPUBLIC OF: Radio Korea 9750 via Gimje f/d "Cheju Island" cd. in 58 ds. (Kacir). 15575 f/d cd. in 41 ds. (McElvy).
- LIBERIA: ELWA 11830 f/d "Studio" cd. in 85 ds. for 3 IRCs. (VanHorn).
- LITHUANIAN SSR: Radio Vilnius 5905 f/d white cd. w/ personal ltr. and pennant in 116 ds. (Forsgren-WI). f/d cd. in 115 ds. (Forst). 9710 f/d cd. in 93 ds. v/s J. Lukosevicius. (Rigas).
- LUXEMBOURG: Radio Luxembourg 6090 f/d "Tower/Logo" cd. in 1 mo. for 2 IRCs. Sticker revd. (Meyer). 15350 same cd. w/ sticker in 12 ds. for a FR rpt. and 1 IRC. (Allen).
- MALAGASY REP: Radio Nederland 9540 f/d cd. in 3 mo. w/ sticker. (Eckert-PA).
- MEXICO: La U de Veracruz 6020 prepared cd. w/ ltr. in 24 ds. after a f/up * rpt. in SP and ms. v/s Baltazar Pazos de la Torre, Ing. (Rigas-IL).



Stamp honoring the 25th anniversary of All India Radio



- MOROCCO: Radio Medi One
* 9575 n/d ltr. in 24 ds. for 2 IRCs. (Paszkiwicz).
- MOZAMBIQUE: Radio Mocambique 9620 p/d "Globe" cd. in 40 ds. for a PT rpt. and 2 IRCs. (Allen).
- NEPAL: Radio Nepal 9590 f/d "Pokhara Transmitting Station" cd. in 136 ds. after a 4th f/up rpt. v/s R. S. Karki, Studio Engineer. (Wilkins).

BBC 1922/1972



50th anniversary of the BBC

NEW BRITAIN: Radio East New Britain 3385 f/d cd. in 35 ds. for 2 IRCs. v/s A.L. Rumina, Station Manager. (Allen).

NEW ZEALAND: Radio New Zealand 17705 f/d cd. w/ pennant in 18 ds. (McDaniel).

NICARAGUA: Voice of Nicaragua

6015 n/d ltr. in 3 mo. w/ sticker, pennant and newspaper. v/s Rodolfo Garcia, Director of International Shortwave. (Eckert). same in 146 ds. for a SP rpt. (Forsgren)

NIGER: ORTN - Voix du Sahel 5020 f/d prepared cd. w/ schedule in 32 ds. for a PR rpt. (Allen)

NIGERIA: Voice of Nigeria 7255 f/d "Lagos Airport" cd. in 88 ds. (McElvy).
NORWAY: Radio Norway International 15305 f/d "Movvi Dam" cd. in 5 wks.
PAPUA NEW GUINEA: Radio Western Highlands 3375 f/d personal (Bowden).
ltr. in 130 ds. for 2 IRCs. v/s Edward Kenas, Technical Officer. (Cones).
NEC 4890 f/d "Map" cd. in 5 wks. (Bowden).

PHILIPPINES: Far East Broadcasting Service DZFB 15445 f/d "Sunset over Manila" cd. in 26 ds. w/ schedule. (McDaniel).

POLAND: Radio Polonia 7125 f/d cd. in 8 mo. w/ stickers. v/s Zdzislaw Frackiewicz, Editor. (Eckert). 6135 f/d "Sopot Grand Hotel" cd. in 50

ds. (McElvy). 9540 f/d "Logo" cd. w/ stickers in 67 ds. (George).

QATAR: Qatar Broadcasting Service

9905 f/d "Map/Logo" cd. in 59 mo. for 2 IRCs. v/s Jassem Mohd. Al-Qattan, Head of Public Relations, Exchange and Research. (Meyer).

SARAWAK: Radio TV Malaysia Kuching

4950 f/d "Broadcasting House" cd. in 29 ds. for 2 IRCs. (McDaniel).

SEYCHELLES: Far East Broadcasting Association

15400 f/d cd. for 81 reception in 35 ds. (Rigas).

SOUTH AFRICA: Radio RSA 9615 f/d

"Elandsberg" cd. in 20 ds. (Levison-PA).

SPAIN: Radio Exterior de Espana

9650 f/d "Castillo de Javier, Navarra" cd. in 5 wks. (Bowden).



50th anniversary of Irish radio

9360 f/d "Coca Castle" cd. in 49 ds. (George-NC).

SUDAN: Radio Omdurman 5039 p/d form ltr. in 178 ds. for 2 IRCs. v/s John Brown, Department of Public and International Relations. (George).

SUMATRA: RRI Jambi 4927 f/3 ltr. in 87 ds. for an IN rpt. and ms. v/s Syair Siak, Kepala Stasiun. (Wilkins).

SWEDEN: Radio Sweden International 15345 f/d "Transmitter" cd. in 28 ds. for 2 IRCs. (Turner). 11705 f/d cd. in 22 ds. (McDaniel). Swedish Telecommunications Comm. 15345 f/d "Changing the Royal Guard" cd. in 2 mo.

SWITZERLAND: Red Cross Broadcasting Service 9725 n/d cd. (Bowden). sticker in 1 mo. for 2 IRCs. (Weber). 6135 via Schwarteenberg f/d cd. w/ sticker in 28 ds. for 1 IRC. (Klein-WI).

SYRIA: Syrian Arab Republic Broadcasting Service

11685 f/d "Globe" cd. via registered mail in 14 mo. for 3 IRCs. (Craighead). 9565 same in 232 ds. for 1 IRC. v/s Alia Swarhati. (Weber).

TAIWAN: WYFR 9845 via Voice of Free China f/d cd. in 32 ds. (Rigas). 15055 f/d cd. in 43 ds. for ms. (Forst).

TUNISIA: Radio Tunisia 7225 p/d cd. in 40 ds. for ms. v/s Mongi Chaffai. (Rigas).



Peruvian stamp honoring Radio Nacional del PERU. Complete with call letters and frequencies.

Radio tower and postal tax stamp for the communications employees fund.



TURKEY: Voice of Turkey 9560 f/d cd. w/ pennant in 15 ds. (Kacir). in 37 ds. w/ sticker and pennant for 1 IRC. (Weiss).

UKRAINE: Radio Kiev 7165 f/d cd. in 67 ds. (Levison). 6000 f/d cd. in 81 ds. (McElvy)....PS. Be sure to check your cards to make sure they are not glowing in the dark!

URUGUAY: SCORE 9620/9515 p/d cd. for 81 receptions in 39 ds. v/s Eduardo Artigas. (Rigas).

USA: WYFR 15170 f/d cd. w/ schedule in 50 ds. for ms. (Giella). Voice of America 15375 via Delano f/d "Statue of Liberty" cd. in 14 ds. (Kremer-SC). KCBI 11905/11790 f/d cd. in 2 wks. (Weiss). 11735 f/d cd. w/ schedule in 11 ds. (Giella). f/d cd. in 15 ds. for ms. (Srouillette).

USA (Pirate): WBRI 7435 f/d cd. in 56 ds. for ms. (Rigas).

USSR: Radio Moscow 7150 "Krylatskoye" cd. in 5 wks. (Bowden). 11840 "Lenin Library" cd. in 1 no. (Bowden).

UZBEK SSR: Radio Moscow 15385 via Tashkent f/d "Lenin Library" cd. in 55 ds. (Rigas). Radio Tashkent 5945 f/d "Map" cd. in 45 ds. (Weber).

VATICAN: Radio Vatican 9605 f/d cd. in 80 ds. (McElvy). 15120 f/d "Ufficio Propaganda" cd. in 1 no. (Bowden).

VENEZUELA: Radio Caracas 4940 n/d personal ltr. in 17th ds. for a SP rpt. v/s Antonio Campos. (Forsgren). n/d ltr. in 133 ds. for an EG/SP rpt. and 2 IRCs. (Weber). YVTO 6100 p/d cd. in 40 ds. for a SP rpt. and ms. (Forst). same in 86 ds. for a SP rpt. and 1 IRC. v/s Cn. Eddy G. Mendez Perez. (McElvy).

VIETNAM: Voice of Vietnam 15010 f/d ltr. w/ pennant and stamps in 6 no. (L. Hart-Pk.).



That's about it for this time. Kind of a short column. Must be summer vacations for everyone. Hope you enjoyed the illustrations...See you in a month...Sam.

Sam

Radio Tower stamp from Vietnam honoring the centenary of the ITU.

update

July 1986***Number:213

Tom Alleman
636 E. 74th Terr.
Kansas City, MO 64131 USA
(816) 523-7292 7-10 pm only

UPCOMING DEADLINES: 10 July (Mid-July) 20 July (August) 10 August (Mid-August)

Reproduction permitted; credit original reporter and NASWA UPDATE. Dates, times and days GMT: freqs kHz.

Our Pacific reporters weigh in again. Two reports from Richard Wood and one from Dale Park in Hawaii. Richard's first.

BULGARIA R Sofia in EG 0630-0700 noted on 15140. This may be a change of time and freq for European Daylight Savings Time of the 0730-0800 tx listed on 9700 to Eur in 1986 WRTH. (Wood, 5-13)

CHINA Heilongjiang PBS, 5950, noted 0800 with local identification in CH as "Heilongjiang Renmin Diantai." (5-13)

INDIA AIR Delhi's home service noted in EG on 9950 w/ nx 1530 and commentary 1545. There is interference from AR stn. (5-24)

INDONESIA RRI Jakarta, Programa Nasional, noted on 6045 w/ Indonesian news 1600. Good. (5-25)

IRAQ V of the Masses, Baghdad, noted w/ AR news 0700 on 13700 and 15195. Not scheduled for these frequencies at this time in WRTH 1986. ID is "Idhaat Sawt ul Jamaheer min Baghdad." Good. (5-24)

IVORY COAST RTI Abidjan has reactivated 6015, last used about a decade ago. Power appears to be 100 kW. Noted w/ sign-on, national anthem, FR ID as "Vous etes sur Radio Cote d'Ivoire" and the voice of President Felix Houphouet-Boigny declaring, "Nous ne sommes pas un pays socialiste." (We are not a socialist country.) Sign on is 0700 rather than 0600 as in WRTH 1986. This seems like a late s/on for a West African stn whose local time is UTC, in a hot country where much economic activity takes place near dawn. Very good. (5-19)

JAPAN/GABON The morning Euro service from RJapan is noted at new 0500-0700 replacing 0400-0600 w/ RS 0500-0530, Swedish 0530-0545, IT 0545-0600 (WRTH lists identical conflicting times for the last two languages), GM 0600-0630, and FR 0630-0700. Via Moyabi 9570 and 11955 direct from Japan, the latter badly mixed with BBC Singapore. (5-10)

KOREA (DPR) RPyongyang CH 0700-0750 is noted on 7230. (5-19) EG 0700-0850 is noted on 13750. (5-22) Former 6165 which suffered QRM from RMoscow in CH has moved to 6155, where there is now QRM from FEN, Tokyo. Noted in KR 1600-50 and probably affects all transmissions formerly on 6165. (5-25)

KOREA (REP.) RKorea, Seoul, noted in EG at new time, 0600-0700, and on a new freq, 15395. Includes a Korean language lesson on Thursday. Good. (5-22)

MEXICO XERMX, Radio Mexico Int'l, 15430, is noted at 0500* on a UTC Sunday, a Mexican local Saturday. Thus, the note on p.303 that "days of week mentioned apply to Mexico, not necessarily UTC (in WRTH presumably--tba) does not appear to apply to this international stn-- unless this is a change or general extension of the schedule. Will require daily checking. Good. (6-1)

PHILIPPINES FEBC Manila is heard w/ an EG xmsn not listed in 1986 WRTH till 0500* on 15350. (5-10)

SAUDI ARABIA BSKSA is noted with IS 0255 and s/on w/ national anthem and into home service in AR 0300 on 7195. Good. (6-2) The Holy Qur'an Service on 21495 is noted *0700 as sked in WRTH 1986. Good. (5-24)

SOUTHWEST AFRICA/NAMIBIA SWABC Windhoek 4965 is noted in AK at 0715; this is 9:15 a.m. Namibia time and a good example of Southern Hemisphere winter low-freq propagation. Quite good. (5-5)

TAIWAN VofAsia, Taipei, 5980, is observed in EG 1530-1630; annr's accent is so poor that the b'cast is barely intelligible. EG nx, not mentioned in WRTH 1986, is at 1530-45. Good signal for listed 10 kW. Could the 100 kW transmitter listed for 7285 now be on 5980? (5-30)

TURKEY VoT, 15220, in TK news 0700; WRTH 1986 lists s/on for this as 0900 but the freq appears to be in use from 0400. (5-24)

UAE UAE Radio Dubai is now using new 17865, noted in EG 1600-1700 in parallel with 15320 where there is interference from the VOA in Swahili. Good (5-25)

VANUATU RVanuatu, Vila, 7260 and 3945, is noted with news in Bislama (Pidgin) 0700 (unscheduled in WRTH 1986) and into sports 0715. Both good. (5-5)

KENYA VofKenya's new freq of 6150, recently reported by a Japanese listener, is noted with national service in Swahili in parallel with well-established 4885. Numerous commercials are noted, and Swahili nx 1600. ID is "Hii ni Sauti ya Kenya, Nairobi." Good signal suggests 100 kW power. (5-28)

And Richard's latest report:

ANGOLA R. Nacional, Luanda, 9535, noted w/ lively PT dj show 1630. Good (6-15)

AUSTRALIA RA Darwin, 9720, *2155 IS, 2200 EG ID and into standard CH. Good. (6-15)
 CHINA Hohhot (listed), 3970, 1212 EG lesson, taught phrases such as "almost completely rebuilt." Good. (6-15)
 INDIA AIR Delhi, 11715, EG ID and news, S. African sanctions, 2300, good strength but hummy modulation. (6-15) AIR Madras, 15335, Tamil, ID "All India Radio," into nx 1225. Very good. (6-15)
 INDONESIA RRI Tanjungkarang, 3394, local ID, into IS 1559, 1600 into Jakarta nx relay. Good. (6-15) RRI Pontianak, 3995, 1210 nx, remotes of political speeches. Good. (6-15)
 KENYA VOK, new 11800, Swahili IDs, local nx 0330, no // observed. Weak but clear. (6-16)

More from Richard next time. On to Dale's reports:

ASCENSION IS. BBC, 9560, in EG 1712. "Focus on Africa" magazine. New freq; s/on is 1650. Fair, unID w/ underneath, QRM jammer 9565 and unID 9555. (6-4)
 CHINA RBeijing FS, 9670, in RS 1800. IS and IDs "Gavorit Peking" anncmt and nx. Jamming by two outlets underneath and on top by 1803. Fair then poor. QRM RMWS/RJ 9675, KYOI 9665. (5-16)
 ECUADOR HCJB 9845/9860, in EG 0700. "DX Party Line" 25th Anniversary phone in prgm w/ John Beck, Roger Stubbe and Glenn Volkhardt. Featured a pre-taped interview with Clayton Howard, calls taken from Hardy Hayes, Jim Conrad and others. Ended 0800. Fair; 9845 plagued by RTTY from 9847. (5-17)
 HCJB, in EG 0238 on 9870. "DX Party Line" 25th Anniversary Phone-in Show w/ Beck, Stubbe and Volkhardt. Interviews w/ Clayton Howard and KABC Talkradio's Ray Briem (who promotes the hobby nationally on network radio); calls from ASWLC's Stew MacKenzie, SPEEDX's Woody Seymour, HRC's Wayne Heinen and others. Ended 0400. Poor; QRM jammer 9875. (5-18)
 JAPAN RJ, 9735, in EG 0749. End of "One in a Hundred Million", time check and national nx. Although beamed to NAM it's under DW Antigua, beaming GM to the same target area. Poor; DW and local QRM. (5-29)
 KOREA (DPR) RPyongyang FS, 9325, in EG 1720. W w/ usual pro-Kim tx, mentioning his age of 78 years old as being important (meaning that Reagan is younger but more senile?). New freq. Part of new sked that updates the one in the May 86 WRTH nxletter. Poor, over/under jammer plus UTE QRM. (6-3)
 SRI LANKA DW, 9640, in JP and EG 1057. IS and JP IDs "Kochiwaras Deutsche Welle." Single time pip and EG ID, "This is Deutsche Welle Relay Stn, Trincomalee, Sri Lanka," followed by band flourish, W w/ anncmt and M w/ nx. Poor. QRM jammer 9630, RAU CH 9645. (5-23)
 SWITZERLAND SRI, 15420, in GM 1859. IS, 5 high and 1 higher pips, ID "Schweitzer Radio International..." by W, preview by M and nx by W. Afro beam very rare. Very poor. Possible WRNO underneath, QRM jammer 15410. (5-22)
 TAIWAN VOFK, 9685, in CH/KR 0958. Remake of Charlie Rich mx, IS and IDs in CH and KR, NA KR anncmt and nx. Poor, jammer on 9685 and 9690, ABC/UnID 9680. (5-20)
 UAE UAE Radio, 17830, in EG 0555. Mailbag show no. 74 w/ Chris, most of the mail dealing w/ reception conditions, ending w/ "Telstar"; ID. This is from Dubayy so don't confuse w/ VofUAE in Abu Dhabi. Poor, QRM RMWS 17835. (5-25)
 UK BBC WS, 17790 in EG 1203. Surprised to hear Europe so late on a freq so high. "Radio Newreel," prgm preview, into request show, "Anything Goes." Poor, local QRM and QRN. (5-24)
 USA WHRI, 7355, in EG 0306. "Radio Earth" show w/ Patrick Humphrey's talk, ads for Yaesu from EGE, Inc., and Eavesdropper Antennae from Miller Publishing. Ex-7400. Poor, heavy QRN. (5-17)
 (?) VOA 17730 in FR 1158. IS and EG IDs, lang ID, FR ID "Ici Washington, la Voix de l'Amerique," and "Africa Express" show including nx. Probably a new service; site? Poor w/ ripply signal. RM underneath. (5-24)
 USSR Siberia RM 9895 in JP 0940. M discussing nuclear talks in Hiroshima, Chernobyl and US nuclear arms policy. Fair; QRM utes underneath and on 9900. (5-24)
 Some additions:
 OMAN BBC9605 in probable Urdu (per WRTH) 1612. EG language lessons, ID by W "Aiyah BBC..." and s/off 1614. Fair. QRM jammer 9600, USSR 9610. (6-9)
 CHINA RBeijing FS, 11515, in JP 0927. End of prgm of CH pop mx, ID, "Kochiwaras Peking hoso desu." and talks on Taiwan. Fair; local and UTE QRM. (6-13)
 KOREA (DPR) KCBS tentative 3920 in KR 1533. Usual revolutionary tx, then into what sounded like dramatized readings of Kim Il Sung speeches; w anncr airing local mx, quick ID, JP style time pips, anncmt and choral mx. Apparently NKorea has made some changes to HS freqs. (6-13)

Tnx to Richard and Dale. More next time.



LOG REPORT

section A

2000 to 4899 kHz

Guest Editor: Bob Hill, 71 Beach St., Sharon, MA 02067

The July meeting of the Loyal Order of Static Eaters is now in session, with Bob Hill (hereafter designated as BH) as chairman pro tem while Mike Harris vacations. And speaking of vacations, Roland Schultze took his on the exotic island of Bali, Indonesia, where he logged some equally exotic goodies. Onward!

- 2130 INDONESIA: UnID -- 1907 Indo, mention of Surabaya; ballads, pop mx. (Schultze, Indonesia, 5/22)
- 2285 INDONESIA: UnID -- 1854 pops, Indo ancts, Indian mx; strong QRM. (Schultze 5/22)
- 2310 BRAZIL: (T) R. Progresso, Souza -- Probably this one around 0340 in frenetic PT, likely sporting event; still going at 0435 R/C. Weak in horrendous QRN. (BH 5/24)
- 2375 PAPUA NEW GUINEA: R. Simbu -- 1945 EG ID, preview of day's pgms; native songs, Pidgin ancts, NA, then back to EG for nx. (Schultze 5/7) [Listed 2376 -- BH]
- 2390 INDONESIA: RRI Cirebon, Java -- 1300 Indo nx by W; 1308 NA and ID. (Schultze 5/5)
- 2410 PAPUA NEW GUINEA: R. Enga -- 2040 EG ID, local mx and mx w/ EG lyrics; beginning slow F/O by 2049. (Schultze 5/24)
- 2417 INDONESIA: UnID -- 1254 Indo ancts, Indian mx, mention of Bandung; no nx at 1300. Soft mod. (Schultze 5/5)
- 2472 INDONESIA: RRI Purwokerto, Java -- 2118 clear Indo ID and giving freqs including FM. (Schultze 5/16)
- 2517v INDONESIA: UnID -- 1440 Indo, ballads, gong mx; not listed. (Schultze 5/27)
- 2658 INDONESIA: UnID -- 2158 Indo, Qur'an; CW QRM. (Schultze 5/16)
- 2685 INDONESIA: UnID -- 2137 Indo, local dance mx; rooster heard crowing in the background, so perhaps rural QTH. 2200 unreadable ID. (Schultze 5/16)
- 2694 INDONESIA: RRI Ende, Lesser Sunda Is. -- 1938 Indo "informasi," pops and kroncong mx, then rock; ID 1420*. (Schultze 5/17)
- 2710 INDONESIA: UnID -- 1317 Indo, pops with Indo lyrics. (Schultze 5/5)
- 2781 INDONESIA: UnID -- 1054 Qur'an till 1125, then no mod till 1128, when Qur'an resumed briefly, cut out again and came back at 1130. (Schultze 5/27) 5/5)
- 2810 INDONESIA: UnID -- 1328 Indo mx, lyrics. (Schultze 5/5)
- 2833 INDONESIA: RPDT2 Lumajang, Java -- 2249 Indo, pops w/ Indo lyrics; [2259] "SCI," pips, ID. (Schultze 5/16)
- 2940 INDONESIA: UnID RRI -- 1506 nx from Jakarta, then Indo pops. (Schultze 5/27)
- 2963 INDONESIA: RPDT2 Manggarai, Lesser Sunda Is. -- 1318 Lovely mx, Indo talk; 1326 ID, Indo dance mx and disco mx. (Schultze 5/6)

- 3000 INDONESIA: RKPDT1 Surabaya, Java -- 1310 Indo ID, pop mx. Not listed WRTH but can be found in Mitch Sams's survey list. (Schultze 5/17)
- 3215 PAPUA NEW GUINEA: R. Morobe -- 0910 tent. ID, freq, nx, international and highlife mx. This freq used local morns, otherwise 3220. (Schultze 5/27)
- 3215 SOUTH AFRICA: R. Orion/R. 5 -- 0105-0120 EG relig pgm, then into mx. (Bobb 6/3) [Surely this, not Belize, OM -- BH] 0256 flute mx, 0300 EG ID, promo for business report; into light pops. (D'Angelo 5/30) 0425-0512 M in poss AK, "Top-40" type pops, ballads, E/L; ads, jingles, etc. (Jordan 6/4)
- 3220 ECUADOR: HCJB -- 0842 SP and Quechua, vocal and instr mx; 0859 ID. F w/ CW QRM. (Bobb 5/20)
- 3220 PAPUA NEW GUINEA: R. Morobe -- 2003 EG nx, 2010 vernac ID, local mx w/ drums, singer. (Schultze 5/7)
- 3245 BRAZIL: (T) R. Clube, Varginha -- Probably this one from 2322; E/L instr mx, occasional PT ancts past 2400. Decent level but too much QRM. (BH 5/26)
- 3300 GUATEMALA: TGNC -- 0230 QSP VOA pgm in SP about USA culture. (Slagt, Aruba) 0325 EG relig pgm. (Laskowski)
- 3325 INDONESIA: RRI Palangkaraya, Java -- 2130 Indo ID, pop and march mx; problems w/ turntable. (Schultze 5/17)
- 3325 PAPUA NEW GUINEA: R. North Solomons - 1117 Pidgin till Polynesian C&W and pops at 1148; ID's 1202 and 1211. F-P. (Allen 6/3)
- 3331 INDONESIA: RKDT2, Sukabumi, Java -- 1158 dance mx, [1200] pips, Indo ID, nx by W. (Schultze 5/9)
- 3355 (T) PAPUA NEW GUINEA: R. Simbu -- 1025 Pidgin, pop oldies on piano, jazz violin. (Bobb 6/2)
- 3360 GUATEMALA: LV de Nahualá -- 0225-0250 SP, 0228 ID; 0231 ID w/ QTH. Lousy copy. (Jordan 5/24)
- 3360 PAPUA NEW GUINEA: R. Milne Bay -- 0935 South Seas mx, native songs, EG time ancts, ID. (Schultze 5/27)
- 3368 INDONESIA: RRI Padang, Sumatra -- 1200 Indo nx from Jakarta; ID, talk on Ramadan. (Schultze 5/19)
- 3370 (T) MADAGASCAR: R. Madagasikara -- Seemed this one from 0304 w/ E/L instr mx, ancts in tent. FR; lang poss Malagasy by 0330. Fair at T/I; F/O around 0355. Awful QRM throughout. (BH 5/30)
- 3375 PAPUA NEW GUINEA: R. Western Highlands -- 2034 rock, C&W mx, EG ancts. (Schultze 5/7)
- 3381 ECUADOR: R. Iris -- 0238-0245 bongo-type percussion w/ upbeat vocalist; 0240 SP ID. (Jordan 5/24) 2350 local nx in SP, talk re rain damage. (Slagt 4/23)
- 3385v PAPUA NEW GUINEA: R. East New Britain -- 1900-2031 Pidgin nx, ID; local and rock mx. Bad mod. (Schultze)
- 3395v ECUADOR: R. Zaracay -- 0215-0225+ lively SP band mx; two SP ID's w/ freq, QTH, promos. (Jordan 5/24)
- 3395 PAPUA NEW GUINEA: R. Eastern Highlands -- *1855 NA, [EG] ID, freqs, time; 1958 ID again. Covered by RRI after 2005. (Schultze 5/22, 24)
- 3458 INDONESIA: RPDT2 Lebak, Java -- 1216 tent. Indo ID: weak in bad QRM. (Schultze 5/9)

- 3775 INDONESIA: RPDT2, Sumbawa, Lesser Sunda Is. -- 1238 pops, ballads; 1304 ID. Low mod. (Schultze 5/17)
- 3810 ECUADOR: HD2IOA -- 0745 SP time chex. (Slagt 5/3)
- 3920 [NO. KOREA: KCBS, Sinuiju] -- UnID 5/19 at 1423 w/ RS choir mx; 1430 ID "Govorit ..." and into JP; 1500 three-short, one-long time pips. Heard again 5/24 in JP to 1759*: (Schultze) [No question it's Sinuiju, which recently moved to 3920 x-2745, has the same time-pip sequence and s/off 1800. However, it's unlikely that any other lang than KR would be carried. -- BH]
- 3945 INDONESIA: RRI Denpasar, Bali -- 0907 Indo ID, songs; also noted 1605*. (Schultze 5/27)
- 3953 INDONESIA: RRI Bogor, Java -- 1234 Indo ID, health report from doctor; 1400 another ID. (Schultze 5/19)
- 3960 INDONESIA: RRI Palu, Celebes -- 1356 Qur'an, oldies from the 50's; ID, kroncong mx. (Schultze 5/18)
- 3975 INDONESIA: RRI Surabaya, Java -- 1602 Jakarta nx, ID, political reports; nice gong/string mx. (Schultze 5/4)
- 4606v INDONESIA: RRI Serui, W. Irian -- 1640-1732 Ramadan pgm on 5/24; had been on 4607 on 5/8. (Schultze) dan
- 4765 CUBA: USSR relay -- 0100-0200 QSP RM SP to LA. (Jor-
- 4780 (T) DJIBOUTI: RTD -- Likely this one 5/11 from 2253 w/ strange Af-style chants; past 2300 w/o break; heard past 2315. Extended Ramadan svc, no doubt. (BH)
- 4788v INDONESIA: RRI Fak-Fak, W. Irian -- 0930 Indo ID on 5/29; had been on 4789 at 2143 on 5/8. (Schultze)
- 4791 (T) KASHMIR: AKR -- Prob AKR heard 6/6 and 6/7 w/ Qur'an ±2200 to 2213*; vy weak. Another likely Ramadan item. (BH)
- 4800 ECUADOR: R. Pop. Independiente -- 0245 LA pops, ID, PSA. (Slagt 4/27) 0507-0610 vocals, accordion mx, several ID's. (D'Angelo 5/24, Trotto 5/11)
- 4810 SO. AFRICA: R. RSA -- NF since 6/15 audible from 2100 or so; 2154 EG ID, freqs of 11900/7270/4810; 2155 IS till 2156*. F by s/off. (BH)
- 4815 BRAZIL: R. Nac., Tabatinga -- 0254 Brazpops till 0259 PT ID's, nx to 0306; SIO 444. (D'Angelo 5/20)
- 4815 BURKINA FASO: RTB -- *0558 IS, "Ici Ouagadougou," NA; into mx. Vy strong. (Laskowski 5/31)
- 4820 HONDURAS: HRVC -- 0255-0318 SP relig, mx. (McElvy)
- 4830 VENEZUELA: R. Táchira -- 1006-1016 LA mx, ID. (Bobb)
- 4840 VENEZUELA: R. Valera -- 0912 SP ID; noisy. (Bobb)
- 4845 BRAZIL: R. Nac., Manaus -- 0258 series of R. Nac. and Radiobras ID's till 0300 nx. No Bucaramanga lately. (D'Angelo 5/21) 0940 PT, instl mx. (Bobb 5/9)
- 4865 CHINA: Gansu PBS -- 2205 W, then M in CC (prob QSP of Beijing nx) past 2220. SR/SS path. (BH 5/13)
- 4865 INDONESIA: RRI Wamena -- 0936 Indo, lively local mx. (Schultze 5/5)
- 4885 COLOMBIA: Ondas del Meta -- 0856 SP ID. (Bobb 5/21)
- 4885 KENYA: VOK -- On late 5/31; 2212* after SH oration, ID, kids' chorus; weak, xing, QRN. (BH)
- 4890 PAPUA NEW GUINEA: NBC -- 1137 EG discussions on trade in Hong Kong, plight of Mexico. (Klein 5/19)



LOG REPORTS

section B

4900 to 6199 kHz

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

- 4904 CHAD N'djamena, hi-life at 2152 5-13, ID and s/off armts 2157, NA to 2200*; poor overall (D'Angelo-PA); FR talk at 0512 5-11, Afr mx, ID at 0515, then long talk, maybe news; fair sig (Trotto-FL). Lately rptd on 4920 (JB).
- 4905 BRAZIL R. Araguaia, rock mx 0234 5-11, IDs, ads, jingles, choir at 0301* (Paszkievicz); PT vocals to 0300 ID on 5-22, fqy armt, no anthem, carrier cut 0301* (D'Angelo-PA).
- 4910 ZAMBIA Lusaka, poor with music and talk, 0430-0454 on 5-25 (McElvly-VA).
- 4915 GHANA Accra, 2330 6-3, EG ID, into vernac, native mx, good sig (VanHorn-FL); female anncr with EG ID at 0600 6-5, then nx; fair with ZY QRM (Trotto-FL).
- 4920 ECUADOR R. Quito, ID 0025 6-5, ad, stn promo, more local ads, fair overall (VanHorn-FL); 0315-0320 on 5-4, ads, LA mx, SP talking, IDs "LV de la Capital," good sig (Brann).
- 4935 PERU R. Tropical, 0330 5-31 with cola ad, PSAs, ID, TC, SP pops, fair sig (VanHorn-FL).
- 4940 VENEZUELA M. Yaracuy, 0149-0200 5-24, man with ID, peppy mx, TC, good sig (Bobb-MN).
- 4945 BRAZIL R. Nacl Porto Velho, nx 0320 5-20, big ID 0330, vy poor by 0335 (Jordan).
- 4945 COLOMBIA Caracol Neiva, 0458 5-4 with SP talk, Caracol IDs, LA mx, good sig (Brann).
- 4950 SARAWAK Kuching hrd in stnd Chinese at 0930-0945 on 5-8 (Bowden-CA).
- 4980 VENEZUELA Ecos del Torbes, 0020 5-25, man DJ with brassy LA mx, ID, TC, electronics store ad, hvy QRM (Dillon-MD); 0058 5-28, LA mx, fast SP talk by man DJ, quick IDs, fair sig (Brann); 0125 on 5-19 with "Joropo" style folk mx, ID 0130 with promo, fair (VanHorn-FL); ID by man 0929 5-20, talk, dance mx, good signal (Bobb-MN).
- 4996 PERU R. Andina, 0405 on 5-31, Indian style mx, ID, into Andean vals mx, good sig (VanHorn-FL); LA mx 0414 5-24, ID by man 0427, poor signal (Giella).
- 5020v VENEZUELA R. Nacional, EZL vocals and ballads 0233 5-14, ID and armts 0300, EG theme from "Annie," fair (D'Angelo-PA); 5022, US pops 0401 5-24, ID 0403, good sig (Giella); 5021.6, US pops 0402 5-18, man with tent. ID, very poor audio, QRM, hrd to 0530 (Allen-OK); 5020, NA in progress 1005 5-9, ID by man in hvy QRM (Bobb-MN); 5031, fair 0235 and 0400 5-31, IDs, pops, live patter (Jordan); 5031.4, 0643 5-31, fair with US pops, Huey Lewis, IDs, little talk (Alexander-PA); 5030, pops 0825, ID, distorted 5-31 (Bobb-MN).
- 5025 CUBA R. Rebelde, 2255 on 5-30, fair with Cuban mx, stn promo, ID, nx (VanHorn-FL); 0355 5-23 with SP talk by M&W, no ID hrd but was //600MW (Laskowski-IN); vocalizing, guitar accompaniment at 0955 5-9, ID on the hour by gal, fair-good (Bobb-MN).
- 5039 ECUADOR LV del Upano, instr.mx 0244 5-20, ID 0249, full s/off routine, 0255*(D'Angelo-PA).
- 5040 CHINA Fujian PBS, CH prgm, some mx, 0900-0915 on 5-8 (Bowden-CA).
- 5040 VENEZUELA R. Maturin, 0349 5-24 with talk by man, ads, ID 0356, 0358*, good signal (Giella); EZL mx 0355 5-31, ID with promo at 0400, ad, brassy promos, fair (VanHorn-FL).
- 5045 BRAZIL R. Cultura do Para, fair with Br.pops 0224 5-31, ID with promo, closing ID with fqy, choral NA, 0301* (VanHorn-FL); guitar mx 0225 5-26, gal anncr, EZL LA mx, fair in wx QRM (Dickson); complete ID at 0900 5-28, armts, good in noise (Bobb-MN).
- 5047 TOGO Lome, FR pops 2310 5-30, DJ format, Afro native mx, fade-out (VanHorn-FL).
- 5050 ECUADOR R. Jesus del Gran Poder, HC NA in progress 1007 5-25, quiet mx and talk in the usual format amid heavy QRM, strong sig (Bobb-MN).
- 5050 INDIA AIR-Aizwal? EG AIR ID 1539, natl and internatl nx, //3905, 3925, poor (Park-HI).
- 5055 ECUADOR R. Catolica Nacl, 0230 5-15 with lengthy mass, relig.mx, good sig (VanHorn-FL).
- 5060 BRAZIL? Unid. 0458-0506* 5-24, instr.mx, no ID 0500, missed s/off armts (while checking Cooke) if any, but caught end of anthem, sounded Brazilian (D'Angelo-PA).
- 5060 ECUADOR R. Nacl Progreso, fair at 0350 6-4, echo ID, mx, ID on hr (Jordan).
- 5060 PERU R. Amazonas, LA love songs 0321 5-24, ID by man 0338, fair sig (Giella).
- 5095 COLOMBIA R. Sutatenza, 0235 5-13 with LA mx, ID, into SP vocals, good (VanHorn-FL).
- 5885 ISRAEL KI, 0100 5-21, IS, ID, EG nx, poor signal (Stanley-AZ).
- 5930 CZECHOSLAVAKIA Prague, in EG 0300 5-12, IS, ID, nx, "Newsview," fair sig (Stanley-AZ).
- 5950 CLANDESTINE R. 15 de Septiembre, talk on Nicaragua 2313 5-23, chimes, ID 2320, //6264, poor sig (Allen-OK); slogans 0410 6-4, CA talk, high energy mx, IDs (Jordan).
- 5950 GUYANA GBC, 0843 5-28, baking powder ad, Ch.2 ID, rel.talk for Ramadan, ID, TC, poor-fair in heavy QRM (Bobb-MN); mx and chanting 0844 5-25, Ramadan talk, good sig (McElvly-VA).
- 5955 COLOMBIA LV de los Centauros, 1000 5-20 with fanfare, ID, greetings, Caracol mentions, mx, usual QRM (Bobb-MN); LA mx 1016 5-26, man DJ, "B.Dias, Colombia," good (Brann).
- 5975 COLOMBIA R. Macarena, 0945 5-20 with two men talking, some mx, ID at 0951, good sig (Bobb-MN); cumbias at 1045 on 6-6, promos, ID, TC, cola ad, ID w/fqy 1100, good (V.Horn-FL).
- 5975 ENGLAND BBC WS, ID 2357, into world px 0000, "Nx Abt Brtn," "R.Nxreel," fair (Dillon-MD).
- 5980 GUATEMALA AWR-? 1237-1245 5-25, light mx, talk by gal, ID as LV de Esperanza de Guatemala, more mx, ID at 1240, fair sig (Trotto-FL).
- 5980 SOUTH AFRICA R. RSA, EG 0200 5-19, IS, ID, nx, "Made in S.Afr," good sig (Stanley-AZ).

- 5980.5 MEXICO XEUJ, Linares, Mexican and pop mx 1919 5-16, ID 1933, good sig (Giella).
- 5985 MEXICO XERMX, non-stop talk by man at 1404 on 5-15, ads, ID by man at 1414; good sig but low audio (Giella).
- 5985 USA VoFC over WYFR, exc with Taiwan economic report at 0334 on 5-11 (Brann).
- 5990 JAPAN Tokyo in EG at 1713 on 6-3, "Current Topics" on popularity of beer; poor (Park-HI).
- 5995 AUSTRALIA RA, 1445-1500 with lively popular music on 5-8 (Bowden-CA).
- 5995 USA VOA-Greenville, 0123 on 5-12, exc with prgm on new products (Brann).
- 6005 ASCENSION IS. BBC WS, 2330 5-6 with "Open Symphony" prgm, then personal stories, fair overall (McElvy-VA); 0007 5-6 with world nx, "Nz Abt Britain," fair signal (Brann).
- 6006 COSTA RICA R. Relej, talk on Nicaragua by M&W at 0629 on 5-17, LA mx, ID by man at 0635, excellent signal (Giella); ID with QTH at 1100 on 6-6, world nx, strn promos, PSA, TC, continuous nx, good signal (VanHorn-FL).
- 6010 SOUTH AFRICA R. RSA, EG at 0200 5-20 with IS, ID, nx, fair signal (Stanley-AZ); nx of African "Sports Aid" at 0217 on 5-31, cmtry on S.Afr politics, ID, good sig (VanHorn-FL).
- 6011 PERU R. America, 1020 on 5-26 with various styles of Andean mx, man with many mentions of Peru and "America de Peru," fair signal (Bobb-MN).
- 6015 IVORY COAST Abidjan now here, lively FR talk at 0620 on 5-15, jingles, amts, ID, Afro hi-life, possible nx 0630, several IDs (Jordan). Quite strong around this time (JB).
- 6015 FRENCH GUIANA R. Beijing via Montsenery, in EG at 0202 on 5-14, fair overall with mx and talk (McElvy-VA); EG nx 0207 5-21, excellent signal (Dickson).
- 6015 NICARAGUA Voice of Nicaragua, EG nx at 0140 on 5-27, "Contact," request for ltrs, exc sig (Dickson); EG cmtry on people living in poverty, 0200 on 5-7 (Bowden-CA).
- 6020 MEXICO XEUW, 1303 on 6-5 with political discussions, man with frequent TCs, ads for Veracruz businesses, no ID, fair-good signal (Allen-OK); Mexican nx at 1720 on 5-13, many ads, ID by man at 1730, fair signal (Giella).
- 6020 HOLLAND RN, EG at 0128-0155 5-14, IS, ID, TC, world nx, "Newslines," "Images," fair signal (Dillon-MD); EG at 0130 on 5-17, IS, ID, nx, "Newslines," "Shortwave Feedback," fair sig (Stanley-AZ); 0916 on 5-30, "RN&N," fair sig (Brann).
- 6025 BOLIVIA R. Illimari, 1022 on 5-6, talk, flute mx, ID, fair-good (Bobb-MN).
- 6025 HUNGARY Budapest, EG at 0200 5-27, nx, sports, Hungarian pops, much QRM (Dickson).
- 6030 BRAZIL R. Globo, futebol 0025 5-31, cmtry, some IDs, covered by Vatican; fair (VanHorn-FL).
- 6030 VATICAN Vatican Radio, FR 0028 5-31, IS, ID and sked, into relig. format (VanHorn-FL).
- 6040 W.GERMANY DW, 0100 5-9 in EG, rpt on W.German Vegetarian Society (Bowden-CA).
- 6050 BRAZIL R. Guarani, futebol cmtry 0035 5-31, mx, ID 0059, into EZL mx (VanHorn-FL).
- 6050 USSR Irkutsk per RDHI, fair 1518 5-1 in EG, May Day parade highlights, references to scientists and engineers, //5905, 5980, 6020, 5950; fair sig (Park-HI).
- 6055 FRANCE RFI, EG at 0415 on 5-21, ID, nx, jbr from Spain on fqy; fair (Stanley-AZ).
- 6055 SPAIN Madrid, EG 0000 5-28 with IS, ID, nx, "Mx Spotlight," "Panorama," fair (Stanley-AZ).
- 6060 AUSTRALIA RA, "Countrywide," poor at 1340 on 5-18 (Brann); at 1500 on 5-25, IS, ID, nx, "Intl Report," fair sig (Stanley-AZ); "Talkback" at 1610 on 5-10 with Afro DX tips and PNG nx, poor signal (Park-HI).
- 6065 COLOMBIA R. Super de Bogota, 0825 6-4, talk, ID, typical mx amid QRM (Bobb-MN).
- 6070 CANADA CFRX, 0216 on 6-2, clas.mx, ads, ID at 0222, good sig, slight QRM (Giella).
- 6075 KENYA? Possibly them at 0332 6-2, very poor, very tentative; Afro vocal mx, unintelligible talk by man; Kenya skeded here, could be them (Allen-OK).
- 6085 W.GERMANY DW, EG 0100 5-16, IS, ID, nx, "Spotlight on Modern Life," fair (Stanley-AZ).
- 6090 LUXEMBOURG R. Luxembourg, EG 2359 5-24, canned ID, "It's Lux Sun Morning!" (Dillon-MD); US rock mx with DJ format, 0015 on 6-6 (VanHorn-FL).
- 6100 CUBA Havana, EG at 0000 5-20, IS, TC, nx, soccer rpt, Cuban mx, good sig (Stanley-AZ).
- 6105 MEXICO XEKM, pop mx at 1705 on 5-13, ID by man at 1706, fair to 1717 (Giella).
- 6115 MEXICO XEUDS, non-stop Mexican mx 1639 5-13, ID at 1701, poor signal (Giella).
- 6115 PERU R. Union, 0830 5-3, ID, auto parts ads, Tokyo QRM (Slagt-ARUBA).
- 6116 COLOMBIA LV del Llano, 0742 5-24, good sig, man with lively mx, mentions of Colombia and Super, complete EG ID at 0800 (Bobb-MN).
- 6120 CANADA BBC WS, ID 0200 on 5-26, world nx, press review, fair sig (Dillon-MD).
- 6120 NICARAGUA R. Zinica, 1120 6-6 with merengues, IDs, promos, ad, TC, more mx, good sig (VanHorn-FL); LA mx 1940 5-16, revol.talk, ID by man 1954, fair sig (Giella).
- 6130 USA VOA-Greenville, Caribbean report at 0016 5-17, "Country Mx USA," good (Brann).
- 6135 SWITZERLAND SRI, EG 0200 5-17, IS, TC, ID, nx, "Swiss SW Merry-Go-Round" (Stanley-AZ).
- 6140 CUBA Havana, EG 0200 5-22 with IS, ID, nx, strong signal (Stanley-AZ).
- 6145 NETH. ANTILLES TWR-Bonaire, SP religious prgm at 0830 on 5-8 (Bowden-CA).
- 6160 COLOMBIA Em. Nueva Granada, love songs 1810 5-13, ID 1822, fair (Giella).
- 6160 COSTA RICA R. Impacto, 1101 5-14, NA in progress, greetings, ID, mx, good sig (Bobb-MN).
- 6165 NETH. ANTILLES RN-Bonaire, 0230 5-13 in EG, IS, ID, nx, "Nxlne," "Images," "Dutch By Radio," vy good (Stanley-AZ); 0245 5-2 with "Nxlne," "RN&N," good sig (Brann).
- 6175 ANTIGUA BBC WS, 0012 5-6 with "Nz Abt Britain," "R. Nxrrel," exc sig (Brann); 0059 5-10 with TC, nx summary, "Outlook," good signal (Dillon-MD).
- 6175 COSTA RICA TIFC, pops 1755 5-13, theme from "M.A.S.H.," ID 1800, poor sig (Giella).
- 6180 GUATEMALA LV de Guatemala, talk on Nic at 1630 5-15, ID 1631, fair sig (Giella).
- 6185 USA WRNG, "World of Radio" at 0300-0330 on 5-10, exc sig (Brann).
- 6188 PERU R. Oriente, LA 1054, man with full ID at 1057, mx, noisy condx (Bobb-MN).
- 6190 LESOTHO BBC WS, EG 1540 6-6, poor sig, //6195, 9740, 11750 (Park-HI).
- 6195 CANADA RCI, EG nx 0130-0145 on 5-7 (Bowden-CA). ++ Till August, 73—



LOG REPORT

section C

6200 to 11699 kHz

Editor: Peter Drizhal, P.O. Box 663, Oxon Hill, MD 20745

ON THE WAVE: Lots to report. No time to waste...

- 6215 ITALY Adventist Wld.R 0434-0505 FR/AR/GM t/in to FR, EG ID 0445, then AR, & choir mx, GM 0500 (D'Angelo-PA 5/18)
- 6230 ECUADOR HCJB 0300 EG, nx, "Guidelines for Family Living", Dick Saunders w/"Rendezvous" (Stanley-AZ 5/20)
- 6260 PERU R.Melodias 0835 SP, Short nx bulletin, ID, "Musica Peruana" (Slagt-ARUBA 5/3)
- 6750 CHINA CPBS 1-Bei. 0930-0945 CH, mx pgm (Bowden-CA 5/8)
- 6910 IRELAND R.Dublin 0415-0500 EG, mx: Simon & Garf. in Central Pk, Diana Ross, IDs, ads for Phoenix Svce Stn, Tile market & Metro taxi; mentioned 105 FM (Alexander-PA 5/26)
- 7065 ALBANIA R.Tirana 0012 EG, ID, Albanian folk mx, 0030 int'l mx, sio 444 (Van Horn-FL 6/1)
- 7105 MONACO TWR 0725-0735 EG, rel.pgm, Insights for Living; f (Trotto -FL 6/5) 0755 EG, Bible courses, 0800* (Slagt-ARUBA 5/3) 0756-0808 EG, rel pgmg (McElvy-VA 5/25)
- 7115 BULGARIA RM relay 0215 EG, listeners' comments on USSR peace proposals, radio bridge, etc (Dickson 5/26)
- 7120 AUSTRALIA RA 1155 CH, tx, CH mx, ID (Slagt-ARUBA 4/26)
- 7135 FRANCE RFI 0315 EG, S.Korea & CH demand return o/cargo jet hijacked to Taiwan by defector; FR press review (Stanley-AZ 5/20)
- 7145 ALGERIA RTV 2200-2308 AR/FR, mx, chants & vocals mixed w/crowd noises, mid-E instr.mx then nx(?) 2305 into FR tx fol'd by country mx; fr (Jordan 5/10, also reported by Giella 5/22)
- 7160 USSR RMWS 1419 EG, feature, nx, Focus on Asia; fr (Brann 5/25)
- 7170 NEW CALEDONIA RFO-Noumea 1004 FR, US pops, tx, //3355 (Brann 5/30)
- 7175 USSR R.Kiev 0159 EG, nx, mailbag; fr (Brann 5/11)
- 7205 CYPRUS *2210-2240 lang?, IS to 2215 (Norman--your written-out IS was a close enough match to the one in WRTH 86, p.182, so the UnID was ruled out. Of course, it also helped [*cough* *cough*] that Richard D'Angelo ID'd the stn. --ed.), tx, mx, some choral (Bobb-MN 5/17) 2236-2245* GK, Beautiful mix of GK vocals and instr, to 2244 ID, guitar mx til carrier out (D'Angelo-PA 5/23)
- 7210 AUSTRALIA RA 1200 EG, wld nx, look at Aussie mx (Slagt-ARUBA 4/26)
- 7240 YUGOSLAVIA RY *0000 SP, ID, then nx(?) (Jones 5/10)
- 7270 INDONESIA RRI-Jakarta 0958 IN, instr.mx, nx, fol'd by clear ID, fair, //6044 (Allen-OK 5/20)
- 7255 S.KOREA RK 1643 FR/PT, End o/FR pgm w/adr. in Seoul & Paris, ID then PT pgmg, nx; fr (Park-HI 6/5)
- 7285 NIGERIA R.Ni. 0815 Vern, tx w/drumbeat in back ground (Slagt-ARUBA 5/3)
- 7300 ALBANIA R.Tr. 0330 EG, tx on AL culture; fr (Stanley-AZ 5/21)
- 7345 CZECH. R.Prague 0100 EG, nx, cmtry, taping session, press review (Brann 5/18, also rept'd by Van Horn-FL 6/6) 0300 EG, nx: the CZ commn. party meets in Prg, "Newsview"; f (Stanley-AZ 5/13)
- 7355 USA WHRI 0306 EG, "Radio Earth" show; ads; this fqcy is X-7400 but no better: poor sig. (Park-HI 5/17)
- 7355 USA WRNO 0140 EG, Rock format, Van Halen... (Green 5/10)
- 7390 CLAND. LV del CID 0845-0855 SP, comedy routine judging from laughter, ment.Cuba, mx, ID, //6305 (Bobb-MN 5/14)
- 7410 ISRAEL KI *0100-0125* EG, nx & rept's (Stanley 5/12, Jordan 5/22)
- 7414.2 PIRATE-UnID 0555-0720 EG, poor in static w/Glenn Frey's "You Belong to the City" + oth.pop/rock tunes. TC 0610: "10 after 11" which would put this one in the Pacific Time Zone. Hope someone got an ID on this one [Nope... --ed.] (Alexander-PA 5/26)
- 7437v CANADA-PIRATE TNFM 0413-0535 EG, Ann.FM pirate (100.3) being relayed. Took collect calls fm.all over NAM; QTH is Brit.Columb. (Allen-OK 5/11) 0605*0745 EG, Phone-in mx req's, #604-537-4445, adr: Box 1345, Gagnes, B.C., Can.V0S 1E0; called & spoke to DJ, said he would mail me a sticker, took my mx request;f (Giella 5/11)
- 7445LSB USA VoA (presumed feeder) 2110-2155* EG, "Wld.Report", tx:USFL suit, S.Afr,Polish econ, Chernob, sports, etc; g (Jordan 5/12)

7445 TAIWAN VoAsia 1103 EG, nx, tx pgm--unsure of title; p (Brann 5/30) [Did you catch an ID? --ed]

7455 SYRIA R.Damascus 2150 EG, int'l nx, ID w/freq & sched, NAnth. before 2204 s/off; sio 434 (Van Horn-FL 6/4)

7470 CLAND. R.Caiman 0106-0116 SP, tx, LAm mx, no IDs;g (Brann 5/6)

7600 ECUADOR HD210A Time Stn, 0140 SP (McElvy-VA 5/25)

9325 N.KOREA RP FS 1720 EG, pro-Kim tx, sched in May--86 WRTHNL already out of date!; p (Park-HI 6/3)

9360 SPAIN REE 0220 SP, tx abt. Kiev nuke accident (Slagt-ARUBA 5/2)

9410 U.K. BBC WS 2355-0029* EG, mx: "March of the Toys", Wld nx, Brit nx, Radio Newsreel; fair (Dillon-MD 5/26)

9455 USA VoA 0235 EG, "VoA Mag." on farming, "Working Women" mag: female Rabbis; R.Marti's 1st anniv.; f (Park-HI 5/21)

9510 ANTIGUA BBC WS 0732 EG, "The Pop Press" w/Steve Bush, ed. of Smash Hits magazine; fair (Park-HI 5/15)

9510 ROMANIA R.Buch. 0400 EG, Review of week's nx, cmtry (Stanley 5/17)

9525 POLAND RPol. 0300 EG, nx, ID 0308, "Panorama";p (Stanley-AZ 5/28) 0303 EG, ...top 20, PL lesson, DX Club info; g (Brann 5/18)

9535 BONAIRE TWR 0425 EG, "Focus on the Family", pgm preview;g (Brann 5/25)

9535 FRANCE RFI 0315 EG, nx, FR press review; fair (Stanley-AZ 5/29)

9545 PHILIPPINES VoA 1703 EG, nx, "Talk to America" w/Jim BoBohannon (hi!) [or as Larry King would say... Jim BoBoBoBoBoBohannon--ed] with Peace Corps director on pgm; fr (Park-HI 5/4)

9550 FRANCE FRI 0415 EG, nx: 5000 demonstrate in E.Germany against FR nuclear power plant; FR press review; fr (Stanley-AZ 5/24)

9555 ENGLAND RCI-Daventry 2005 EG, nx, sports (Noonan 5/28)

9555 MEXICO La Hora Exacta 1739-1751 SP, non-stop tx, ID (Giella 5/13)

9560 ASCENSION BBC 1712 EG, "Focus on Africa";*1650 (Park-HI 6/4)

9565 PORTUGAL R.Por. 0300 EG, nx: Weinberger to visit Lisbon (Stanley-AZ 5/16)

9575 ITALY RAI 0100 EG, nx, IT politics, Argentine polt. (Dickson 5/9) 0212 IT, tx abt. constructions [fascinating--ed] (Slagt 5/2)

9575 USA VoA 0352 EG, Daybreak Africa, nx; fair (Brann 5/25)

9584.3T CLAND. (tent) VoComm.Party of Turkey *0358 lang, s/on w/flute IS, 7 notes repeated, choral anthem, M&W tx--no clear copy, terrible QRM (Allen-OK 5/27)

9590 NORWAY RNI 0740 NR, tx, ID in EG, 0745* (Slagt-ARUBA 4/18)

9600 USSR RMNAS 0005 EG, nx, Outlook, RS lang; g (Brann 5/25)

9600 USSR RS Rodina 1958 RS, IDs, mx, into Mayak 2000 (Noonan 5/28)

9602v MEXICO R.Univ.de MX 1610 SP, clasc.mx, finally ID at 1700 (Rigas-IL 5/29) 1833-1851 SP, clasc.mx; f (Giella 5/13)

9605 CZECH. R.Pr. 1710 AR, EG ID, AR tx, occ.instr.mx.clips; IS 1725 (Thunberg-PA 6/5)

9610 USSR RM WS 2121 EG, Soviet life, nx, interview;f (Brann 5/23)

9620 NEW ZEALAND R.NZ. 0555-0630 EG, fr.but WHRI QRM, 0600 nx, Shore Forecast, sports, rugby scores, EZL instr.mx (Alexander-PA 5/31) 1115 EG, Music of Your Life; g (Klein 5/19) 1145-1200 EG, Solo soprano melody, clasc.guitar solo, orch.mx, W w/TC (11:55PM), ID, //6100; heavy QRM (Bobb-MN 5/18)

9630 NETH.ANT. RN 0750 EG, "Media Network" from EDXS Conference 86 in Paris; f (Park-HI 5/22) 0813-0825* EG, ID, continuation of "Media Network"; good signal (Trotto-FL 6/5)

9630 SPAIN REE 0000 EG, nx, sports, Pop mx, "Looking Around Spain", "Panorama" (Stanley-AZ 5/12, Brann 5/18) 0100-0200 EG, Span & Wld.nx, sports roundup, press review, folk mx, "The Spanish Connection", mx (Dillon-MD 5/25; also Bowden-CA 5/9, Jordan 5/23)

9635 CHINA RB 0200 EG, nx, YL w/rept on guerilla war in Kampuchea, "China Scrapbook", Sports in China; fr (Stanley-AZ 5/27)

9635T SYRIA R.Damascus (tent) 2150-2200 AR, OM into emphatic tx w/sev'l ref's to Iraq, into AR instr, mournful chants,2157 ID? (Jordan 5/12)

9635 USSR RM 0200-0215 EG, US reportedly had 20000 breakdowns in reactors (Bowden-CA 5/8)

9640 SIBERIA RM WS 1845 EG, "Science & Engineering", promo for "Culture & the Arts"; Tadjik folk & technopop mx; p (Park-HI 5/7) 1903 EG, nx, Audio book club; p (Brann- 5/11)

9640 SRI LANKA Deutsche Welle 1057 JP/EG/JP, IS, ID, pip & ID in EG w/site, ann. & nx fol'd; p (Park-HI 5/23) 0300 EG, nx, "Microphone on Europe", rep't on W.Ger/US relations, "Germany Today", "People and Places"; strong signal (Stanley-AZ 5/27)

9645 JAPAN RJ 2300 EG, nx, "Current Affairs", fr (Stanley-AZ 5/16) 2341 EG, [Kevin--I would tend to think this is not a Gabon relay, but if you have reason to believe otherwise, please let me know --ed] pgm: vegetable growing practices in JP;g (Klein 5/7)

9650 NETH.ANT. RN 1040 EG, "Newsline" frequent blackouts forced shutdown at 1051*; poor (Park-HI 5/21)

9660 VENEZUELA R.Rumbos 1609-1626 SP, rapid txs, ID 1612; p (Giella 5/15) 2130 SP, stn.promo, ID, lcl ann, ads (Van Horn-FL 6/4)

9665 SAIPAN KYOI 1620-1630 EG, rock mx pgm, ID 1627; f (Bobb-MN 5/16)

9665 USSR R.Kiev 2330-0000* EG, OM w/10 min.seg on Chernob., then item on society for Ukrn's abroad, "Facts Testify" w/item on Nazi war criminals, "Ukraine Today", nx summary (Jordan 5/22)

9670 CHINA RB FS 1800 RS, IS, IDs, ann & nx, jammed 1803+ (Park 5/16)

9675 JAPAN NHK 0858-0905 EG, IDs in EG&JP,wld nx;weak (Bobb-MN 5/30)

9680 USA VoFree CH (rel) 0245 EG, CH version of "My Toot Toot" (?! and using organ mx not accordian), "Let's Learn CH"; fr (Park-HI 5/26) *0300-0310 EG, ID, times & fqcs (said was operating on 9685), NA, then nx, fair signal (Trotto-FL 5/11)

9685 TAIWAN Vo Free CH 0958 CH/KR, MOR mx, IS&IDs, NA, KR ann & nx; poor (Park-HI 5/20)

9685 UKRAINE R.Kiev 2331 EG, nx, cmtry on Chernob.--meeting with Arman Hammar (Levison 5/16) 0159 EG, nx, DX club, Ukr.mx (Brann 5/12)

9685 USSR R.Stansiya Rodina 0106-0115 RS, IS, ID, nx (Trotto-FL 5/12)

9686.8v TAHITI R.Tah.-FR 3 0352-0410 lang, usu.Pacific mx, terrible copy, IDed by checking //11825.8 (Allen-OK 5/24)

9690 ARGENTINA RAE *0259-0304 SP, IS in clear after WHRI leaves freq, multi-lang IDs, SP ann's, nx (D'Angelo-PA 5/12) *0400-0459* EG, 20 mins of domestic & wld nx, tx, mx segs, ballads (Jordan 6/1)

9690T LIBERIA VOA relay (tent) 2354-2359* PT, nx to Brazil (Bobb-MN 5/15)

9695 SWEDEN RSI 2312-2312 (Tues) EG, "Sweden Calling DXers" (Bobb-MN 5/27) 0200 SW, nx, WHRI 9690 QRM; strong sig (Stanley-AZ 5/15)

9700 USA VOA 0450 PT, World Cup report, pop mx, nx, s/off (Park 6/6)

9700 USA AFRTS 1015 EG, "NPR Morning Edition"; p (Park-HI 6/2) 1408 EG, UPI, NBC, CBS nx; good (Brann 5/18)

9710 AUSTRALIA RA-Darwin 1038 JP, Aussie nx, ID, "DX Time" w/ARDXC tips on CID, KVOH, & others; fair (Park-HI 5/25)

9725 SWITZERLAND SRI 0200-0229 EG, wld nx, Review of the Week, SW Shortwave Merry-go-Round: review of EDXC; gd (Dillon-MD 5/25; also by Levison 5/16) 0400 EG, ID, nx, cmtry; g (Stanley 5/13)

9735 JAPAN RJ 0749 EG, "1 in a 100 million", nat'l nx; p (Park-HI 5/29)

9745 ECUADOR HCJB 0946 EG, "DX Party Line" w/documentary on 1956 Alcah Indian massacre of 5 stn.missionaries; p (Park-HI 5/26)

9765 USSR RM 0145-0200 EG, Results of RM quiz, awards, etc., RS jazz mx [superb, really great mx (I was a musician for many years)]; good reception (Dickson 5/14)

9770 NETH.ANT. RN 0900 Dch, some type of int'l affairs pgm, incl.tx on SW Afr. & RSA; fair w/QRM (Park-HI 5/6)

9790 FRANCE RFI 0345 EG, nx: Gorbachev appr's on Sov. TV to explain power plant accident, "In France Today"; fair (Stanley-AZ 5/13)

9795 MONACO R.Monte Carlo 0543-0730 AR, AR & US pops, RMC jingles & IDs, call-in pgm; vg rec'p (Allen-OK 5/23)

9800 FRANCE RFI 2315-2330 SP, pgm to Samer, mx (Bowden-CA 5/9) 0315 EG, nx: NATO approves the modernization of American chemical weapons to be deployed in Euro,only in emergency (Stanley 5/15)

9800 USSR R.Kiev 0159 EG, nx, Mailbag; poor (Brann 5/18)

9845 ECUADOR HCJB 0700 EG, "DXPL's" 25th anniv to 0800 w/Beck, Stubbe & Volkarth, intv. w/Clayton Howard, + calls (Park-HI 5/17)

9852 USA WRNO 2358 EG, World of Radio; g (Brann 5/17)

9860 ECUADOR HCJB 0700 EG, "DXPL" anniv show (see 9845) (Park-HI 5/17)

9865 USSR RM NAS 2202 EG, nx, Outlook; good (Brann 5/10)

9885 SWITZERLAND SRI 0200 EG, nx, summer tourism in SWTZ (Stanley 5/12)

9895 SIBERIA RM 0940 JP, M discussing nuclear tx in Hiroshima proposed by Gorbachev plus Chernobyl; fair (Park-HI 5/24)

9915 U.K. BBC 0516 EG/FR, "EG by Radio" for FR speakers; p (Park-HI 5/29)

9925 BELGIUM BRT 0108 EG, tx: food, beer, recipies (Levison 5/13)

9950 SYRIA R.Damascus 2130-2205* EG, ID, tx, local mx, nx, s/off with anthem (D'Angelo-PA 5/9, Jordan 5/12)

9977 N.KOREA R.Pyongyang 1155 EG, IS, freq ann's,NA,s/off (Slagt 4/27)

9990 PERU Estacion-2000 1355 SP, ads, tx, LAm mx, ID (Slagt-ARUBA 5/3)

11610 ISRAEL KI 1900 EG, Israeli nx, ID, Week in Review (Van Horn 6/6)

11675 USSR RM WS 2000 EG, nx, Nx&Views, jazz show; p (Brann 5/27)

11715 SWEDEN RSw. 2108 EG, nx, Nordic wx, ID (Noonan 5/28)

12000 AUSTRALIA Time signal stn. VNG 0656-0701, 0700 ID; p (Giella 5/17)

*Standing-room-only crowd this time. All new loggings have been shuffled into the stack, so add to that June's catches, and there's a lot to be heard in LRC's airspace (with a very liberal overflight policy, eh?).pmd.



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 0030, mx, vocals, ID 0034, f (Bobb MN 5/10)
- 11700 FRANCE RFI in EG 1426, nx, filler pop mx, f-g (Trotto FL 5/21)
- 11705 JAPAN RJ in EG 0400, IS, ID, nx, "Current Affairs", f (Stanley AZ 5/24)
- 11710 ARGENTINA RAE in EG 0100, IS, ID, nx, sports, tangos (Stanley AZ, Dickson OH 5/27)
- 11715 EGYPT R. Cairo in SP 0132, AR mx, tlk, ID 0135, g (Trotto FL 5/12)
- 11735 GUAM KTIWR in EG 0733-0800, relig pgm, f-p (McElvy VA 5/25)
- 11735 MADAGASCAR R. Netherlands relay in EG 1450, "Asian Focus", p (Park HI 5/30)
- 11745 BRAZIL R. Bras in EG 0200, IS, ID, nx, pop mx, exc (Stanley AZ 5/16)
- 11761 COOK ISLANDS RCI in EG 0649-0713, mx, tlk, f (McElvy VA 5/25) in EG/Maori 0420 pgm of 1940's mx, many TC's, ID 0429 (D'Angelo PA 5/24, Rigas IL 5/31) in Maori 0832-0841, IS (drumming), island mx w/soft voiced W anncr, p (Bobb MN 5/29)
- 11780 NEW ZEALAND RNZ in EG 0411, rugby match (Rigas IL) 0607 w/nx in EG (McElvy VA)
- 11780 BRAZIL RN de Amazonia in PT 2331, many ID's, Braz mx, TC's, p (Dillon MD 5/24)
- 11795 CUBA RHC in EG 1831, nx, sports (Levison PA) in FR 2055, ID, tlk (Noonan 5/28)
- 11825 SOCIETY IS. Papeete in FR 0640, mx, tlk, g (McElvy VA) in FR 0232, DJ w/pop mx, exc (Stanley AZ) in TI 0400, nice Polynesian mx, exc (Slaqt, ARUBA)
- 11850 USSR R. Moscow in EG 2100, ID, nx, mailbag, cmntry (Brann 5/27, Noonan 5/28)
- 11860 USSR R. Moscow in EG 2006, nx and views, anthology of Soviet mx (Brann MO 5/24)
- 11865 MONTSERAT DW relay in PT/SP 2210-0045*, nx on hr, tlks, mx, g (Jordan PA 5/23)
- 11865 NORWAY RNI in EG 2010-2030, tlk re Bergen festival, f (Jordan PA 6/1) also in EG 2044, ID, mixing w/DW signal (Noonan 5/28)
- 11890 SPAIN REE in EG 2100, tone, ID, int'l & instrumental mx, f (Van Horn FL 6/4)
- 11900 MARIANA IS. KYOI Saipan in EG 1211-1227, rock & roll mx (McElvy VA 5/17)
- 11910 ECUADOR HCJB in EG 0059, ID, TC & pips, "The Calvary Hour", f (Park HI 5/5)
- 11938 KAMPUCHEA VOKP in EG/FR 1202-1227*, nx in EG, ID, propaganda, into FR 1214, p (Allen OK 5/13) ID 1215, FR language pgm (Harms MD 5/10)
- 11940 GABON Africa #1 in FR 0625, ID 0630, disc re nuclear arms, mx (Allen OK 6/2)
- 11940 ROMANIA R. Bucharest in EG 0400, IS, ID, nx, mailbag, f (Stanley AZ 5/28)
- 11945 CANADA RCI in EG 2030, interview, "Listener's Corner" (Dillon MD, Brann MO)
- 11990 CZECHOSLOVAKIA R. Prague in EG 0100, IS, ID, "Newsreel", mx for your tape recorder, "Sunday Magazine" (Dickson OH, Stanley AZ 5/28)
- 11995 FRANCE RFI in EG 0425, nx, editorial on Chernobyl, into FR 0430 (Jones 5/18)
- 12000 AUSTRALIA VNG Time Station w/time pips at 0630, ID (McElvy VA 5/25)
- 12005 TUNISIA RTV in AR/FR 2110-2315, radio drama, peppy tlks in FR to 2130, back to AR 2150, FR 2300 and back to AR 2315, f //7310 (Jordan PA 5/10)
- 12030 USSR R. Moscow in EG 0426, "Moscow Mailbag", radio bridge, g (Brann MO 5/18)
- 12035 SWITZERLAND SRI in EG 0400, IS, ID, nx, rpt on TV awards festival in Berne, g (Stanley AZ 5/15) in SP 0025, Swiss folk mx, ID 0030, int'l nx (Van Horn FL 6/1)
- 12050 EGYPT R. Cairo in AR 1640-1716, Qur'an recitations, AR mx, ID, (Dillon MD 5/24) also in AR 2327, Mideast mx, chimes 2330, full ID (Laskowski IN 5/12)
- 12060 USSR R. Moscow in EG 2300, nx, mailbag (Brann MO) in EG 0150, radio bridge, Khirov theater ballet, nx, cmntry on Nazi surrender anniversary (Dickson OH)
- 12085 SYRIA R. Damascus in EG 2055-2105*, high pitch M vocal, ID 2100, annc'd freqs & skeds, mideast nx w/focus on US attack on Libya, f (Jordan PA 5/10)
- 13665 USSR R. Moscow in EG 2001, "News and Views", mx requests, f (Brann MO 5/28)
- 13670 BANGLADESH RB in AR/BN *1600-1700, ID, tlk, mx, into BN 1630, p (Rigas IL 5/23)
- 13700 NORTH KOREA R. Pyongyang in EG 0015, orchestral mx (Paszkiwicz WI 5/19)
- 13748 ISRAEL Kol Israel in EG 1700, int'l nx, ID 1706, f (Allen OK 6/5)
- 13758usb ICELAND IBS in IL 1216, IS, ID, newscast, f (Rigas IL 5/8) Good catch!
- 15020nf SYRIA R. Damascus in AR 1235-1500, ID's every 15-25 mins, light percussions, mournful wails, long tlks, nx (Jordan PA 5/26) in AR 1420-1500 (Rigas IL 5/22)
- 15055 TAIWAN WYFR relay via VOFB in EG 2141-2240, relig pgm (D'Angelo PA, Giella) also in EG 1306-1410 w/Bible readings (Thunberg PA, Rigas IL)
- 15060 SAUDI ARABIA BSKSA in AR 1535-1601, tlk, home service pgm, ID 1558 (Giella 5/15)
- 15070 UNITED KINGDOM BBC London in EG 1846-2126, "BBC Top 20" (Park HI, Brann MO)
- 15084 IRAN VOIRI in FS 1405-1532, propaganda, AR mx (Van Horn FL, Giella 5/15)
- 15105 MOROCCO RTVM in AR 2105-2128, nx, AR mx, drums & vocals, TC, ID (Dillon MD 5/24)
- 15140 NORTH KOREA R. Pyongyang in EG 0417, propaganda blasting US, ID, p (Giella 6/2)
- 15150 CANADA RCI in EG 2133, nx, "SWL Digest", g (Brann MO 5/24)
- 15155 ECUADOR HCJB in EG 0100, IS, ID, nx, "Passport" pgm, mailbag (Stanley AZ 5/22)

- 15155 EGYPT R. Cairo(t) in AR 1455, Qu'ran recitations, ID? 1525, f (Van Horn FL 6/4)
- 15160 ECUADOR HCJB in SP 1800-1900, ID, classical/symphonic mx, f-g (Bobb MN 5/9)
- 15170 SOCIETY IS. R. Tahiti in TI 0345, island mx, no ID hrd (Laskowski IN 5/14)
- 15205 GREECE VOA relay in EG 0011, nx, f (McElvy VA 5/7)
- 15235 OMAN BBC relay in AR 0502, Big Ben chimes, ID, nx, f w/QRM from RJ (Trotto FL)
- 15240 AUSTRALIA RA in EG 2300, IS, ID, nx, "Int'l Report", rock mx, f (Stanley AZ)
- 15245 ZAIRE La Voix du Zaire in FR 2217-2330, light conversation, classical mx, ID "Ici Kinshasa", anthem at 2258, nx 2300, g (D'Angelo PA 5/6)
- 15270 RWANDA DW relay in GM *2157, IS, site ID, world nx, f (D'Angelo PA 5/18)
- 15285 PORTUGAL RP in PT 1508-1520, sports coverage, light mx, ID, g (Trotto FL 5/11)
- 15285 NORWAY RNI in EG 1907, nx, "Listener's Corner", p w/jamming (Brann MO 5/18)
- 15295 ECUADOR HCJB in SP 2300, pips, children's pgm, p w/VOA QRM (Park HI 5/22)
- 15300 GABON RFI relay in FR 1835, DJ w/song contest, jazz & other mx, p (Park HI 5/8)
- 15310 NORWAY RNI in EG 1705, tlk on radiation effects on food, ID, f-p (Trotto FL)
- 15310 USA WHRI Indiana in EG 2023-2058*, xmsn to Europe, "Living Free" (D'Angelo PA)
- 15320 AUSTRIA ORF in EG 1240, special features & cmntry (Levison PA, Jones 5/24)
- 15320 CANADA RCI in FR 1430, beamed to E. Europe, nx & editorial (Slagt ARUBA)
- 15320 UNITED ARAB EMIRATES R. Dubai in AR 1710-1805, chants, ID, prayers (Jordan PA)
- 15325 CANADA RCI in EG 2025, "Innovation Canada", ID, SWL pgm, p (Park HI 5/24)
- 15330 ITALY RAI in AR *0535, IS chimes, ID, chanting, g w/QRM fr AFPRTS (Trotto FL)
- 15335 MOROCCO RTVM in SP 2300-0005+, chants, walls, response singing, f-g (Jordan PA)
- 15350 PHILIPPINES FEBC in EG 0405, "Soundwaves", relig pgm, ID, p (Giella 5/11)
- 15355 NETHERLANDS ANTILLES TWR Bonaire in PT 0026, "Variodades", ID (Park HI 5/17)
- 15360 SINGAPORE BBC relay in EG 0750, "Sportsworld", World Cup highlights (Park HI)
- 15375 SOUTH KOREA RK in CH 2205, review of the week's pgms, p (Park HI 5/11)
- 15395 SOUTH KOREA RK in EG 0645-0700*, language pgm, ID, f (Trotto FL 5/23)
- 15395 AUSTRALIA RA in EG 2220, "Int'l Report", mx pgm, g (Stanley AZ 5/16)
- 15400nf USA WINB Red Lion, Pa. in EG 1859-1909, ID, relig mx, g (Trotto FL 5/11)
- 15420 SWITZERLAND SRI in GM 1859, IS, pips, ID, nx, beam to Africa, p (Park HI 5/22)
- 15420 JAPAN RJ IN in EG 0200-0250, IS, ID, "Current Affairs" (Stanley AZ 5/29, Brann MO)
- 15425 SRI LANKA SLBC in EG 0200, nx, ID 0210, pop mx, f w/QRM fr R.Moscow (Rigas IL)
- 15445 CHINA R. Beijing in SP 2340, letters fr L. Am. listeners (Slagt ARUBA)
- 15460nf COSTA RICA AWR relay in EG 2135, test xmsn, relig pgm, ID 2156, f w/low mod. (Rigas IL 5/22) in SP/EG 2130-2230+, sermon, instrumen mx (Jordan PA 5/24-28)
- 15525 BANGLADESH RB in EG 1237-1300*, nx, ID, cmntry, local mx, US pops, f (Allen OK)
- 15600 LIBERIA VOA relay in EG 0400, int'l nx, "Nightline Africa" (Slagt ARUBA)
ED: Must have been special xmsn since VOA sked does not show b'cast at 0400 UTC. Sometimes I think they forget to pull the plug on earlier xmsns, however!
- 17590 USSR R. Moscow in EG 0357, record playoff, nx, p (Brann MO 5/11)
- 17710 SINGAPORE BBC relay in EG 0029, "English by Radio", super signal (McElvy VA)
- 17715 AUSTRALIA RA in EG 0100, ID, nx, f (Stanley AZ) in EG 0436, nx, "Innovations", f (Brann MO) in EG 0537, "Talkback", //17750, 17795 (Park HI 5/25)
- 17720 FRANCE RFI in FR 1615, FR pops w/DJ format, g (Van Horn FL 6/4)
- 17750 AUSTRALIA RA in EG 0500, world nx, "Int'l Report", p (Brann MO 5/11)
- 17790 UNITED KINGDOM BBC in EG 1203, "Radio Newsreel", request show, p (Park HI 5/24)
- 17790 ECUADOR HCJB in EG 2132, "DXPL" promoting call-in, features (Park HI 5/14)
- 17795 AUSTRALIA RA in EG 2300, IS, ID, nx, "Int'l Report", g (Stanley AZ) in EG 0018 world nx, mailbag (Levison PA) in EG 0530, ID, wx report, f (Trotto FL)
- 17805 USA WOFC via WYFR in SP 0201, NA, ID, preview, nx, p (Park HI 5/22)
- 17820 PHILIPPINES VOA relay in EG 2327, cmntry on World Cup, spec EG nx (Park HI 6/2)
- 17825 JAPAN RJ in JP 0153, sports report, scores, g (Park HI 5/27)
- 17830 UNITED ARAB EMIRATES R. Dubai in EG 0555, mailbag, mx interludes, p (Park HI)
- 17845 TAIWAN WOFC in EG 2100, IS, ID, nx, "Mainroads & Byways", CH lesson (Stanley AZ)
- 17860 USSR R. Moscow in EG 0052, news & views, Folkbox, g (Brann MO 5/11)
- 17865 UNITED ARAB EMIRATES R. Dubai in EG 1336, nx, wx report (Levison PA) also in EG/AR 1630-1645, nx in EG, ID, into AR tlks and mx, f (Bobb MN 5/27)
- 17880 USSR R. Moscow FE relay in EG 0320, "News & Views", propaganda (Park HI 6/5)
- 18080 UNITED KINGDOM BBC London in Somali 1438-1450, nx?, ID, tlks, f (Trotto FL)
- 21485 MADAGASCAR R. Nederlands relay in EG 0830, nx, SW feedback, f (Park HI 5/31)
- 21590 SOUTH AFRICA RSA in EG 1417, classical mx, interesting tlk about native South African birds (Harms MD 5/11)
- 21700 UNITED ARAB EMIRATES R. Dubai in EG 1345-1450, "Ramadan Today", into AR at 1450 ID, //17865, 21605, all good signals (Trotto FL 5/26)

 Items listed under Log Section D last month were not repeated this month. Please refer to last month's FRENDX for a comprehensive update. Thanks to all contributors.



FRENDX LOG REPORTERS

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FRENDX CONTRIBUTORS LIST ---- JULY 1986 ISSUE ---- DEADLINE = 12th of MONTH

Brian ALEXANDER, Mechanicsburg, PA.; Kirk ALLEN, Newkirk, OK. (NRD515); Norman BOBB, Minneapolis, MN. (R1000/R600/XCR30); Ralph BOWDEN, Mentone, CA. (FRG7700); Dustin BRANN, Kansas City, MO. (ICF2002/ICF2010); Richard D'ANGELO, Wyominging, PA. (R70); Richard DICKSON, Goshen, OH. (DX302/XCR30/FRG8800); Peter DILLON, Columbia, MD. (DX400); Tom GIELLA, League City, TX. (R1000); Jerry GREEN, Maryville, TN. (FRG7700); Bill HARMS, Woodlawn, MD. (FRG7/RF3100); Brian JONES, San Antonio, TX. (R70); Rufus JORDAN, Pittsburg, PA. (DX302/Zenith TransOceanic); Kevin J. KLEIN, Appleton, WI. (ICF2002/ICF4800); Tom LASKOWSKI, South Bend, IN. (ICF2001); Harold LEVISON, Philadelphia, PA. (R70); Tom McELVY, Norfolk, VA., (R70/DX400); Timothy NOONAN, Milwaukee, WI. (SW4A); Dale PARK, Honolulu, HI.; (ICF6700W); Sheryl PASZKIEWICZ, Manitowoc, WI. (NRD515); Christos RIGAS, Chicago, IL. (R2000/ICF2002); Roland SCHULZE, Stuttgart, W. Germany (R4C/SPR4/R70A); Raymond SLAGT, Aruba, W. Indies (R2000/ICF7600D/DR28); Trevor STANLEY, Flagstaff, AZ. (NRD515); Bob THUNBERG, DuBois, PA. (R1000/CR2020/S40B/SPR-4); Ron TROTTO, St. Cloud, FL. (Cr2021/Zenith TransOceanic).

Here we are at the end of another Month my friends, seems as if the warmer weather has lured some of our Contributors to the out of dorrs, can't really say as I blame them for that either hihi.

First I'd like to say HELLO and THANKS to Bob Hill of Sharon, MA. who has so kindly taken on the LOG A SECTION for the month of JULY ONLY, Seems that Mike Harris, our usual and efficient LOG A Editor, had undertaken a special project for that Column for the JULY issue and Mr. Hill took over the Column for the Month to allow Mike to complete his Project which I'm sure you folks who Contribute, will appreciate. Thanks to both MIKE and BOB.

Contributor Roland SCHULZE wrote explaining that he was on vacation in the INDONESIA area and while there used a modified Kenwood R1000 Receiver, DATONG PL2 and 30 metre Longwire, to continue his Monitoring. Roland submitted some very fine loggings, you will find all of them in LOG A Section of this months issue. Nice job Roland and our THANKS for your efforts and sharing them with us.

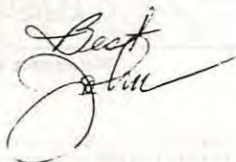
I'd like to again remind Contributors, that this Editor at times overlooks a change in Receiver and once in awhile even a change in address. As usual, I'm open for Constructive criticism from any of my Contributors. However I'd like to ask all of you folks out there to PLEASE include with your loggings, a small note letting me know what you have changed or added, this small note, separate from your loggings, will help me to keep my records updated. Bill Oliver should also be advised in writing of any address changes as he keeps up the mailing list and no one wants to miss a single issue of FRENDX.

I am still uncertain as to my plans for ANARCON in July, I hope that all who are able to attend, have a Great Time up there in Canada. My Best Wishes to the folks running ANARCON-86.

For those of you who have not already learned of this, Bob Grove, of GROVE Enterprises Inc. and Monitoring Times fame, has begun a Repair Service to assist the Shortwave and Scanner Hobbyist. So when that rig starts acting up and is in need of some repairs, you might do well to Contact Grove Enterprises and talk with them about your problems and repair needs. Address and Phone for Grove Enterprises is PO Box 98, Brasstown, NC. 28902, Tel. (704) 837-9200. I'm sure that you will find Bob Grove and his folks to be congenial and helpfull in all your needs. I'd also like to wish Bob Grove and Larry Miller the Best of Luck in their venture to join Monitoring Times and International Radio

by combining Larry Millers International Radio, into the monthly format of Monitoring Times. The Shortwave Listener will certainly be the ones to gain the most from this joint venture.

Until next month, same time, same place hihi, enjoy the good weather but please keep an ear out on that Receiver and let us know what you are hearing.



NO COLLECT CALLS ON THESE ADS, PLEASE

WANTED: Drake SPR-4 receiver. James G. Herkimer, 3255 South Drive, Caledonia, NY 14423. Phone (716) 538-4868.

SALE/TRADE: Back issues of QST 1956-75. Mostly complete years. Make offer. TI 99/4A with many extras, \$60.00. Timex 1000/16k RAM, \$15.00. Regency 4-channel scanner, 1 watt, 3-channel walkie-talkies (not toys) manual typewriter, make offer. All excellent condition. Trades wanted: Hallicrafters S-38 series, HW 600, S-120, any other Hallicrafters. Tom Mooningham, P.O. Box 1758, Frederick, MD 21701.

FOR SALE: Radio West 22 1/2" ferrite loop antenna with LW/MW/SW coils, \$80.00. Datong UC-1 Upconverter and RS4A p.s. (tune .5-30 MHz in 1 MHz bands on your ham-band only rx/xcvr). Difficult to explain in a few words. Drop me a postcard for better details, \$220.00 or \$200.00 without p.s. Dan Sheedy, P.O. Box 31, Encinitas, CA 92024. (619) 753-0478.

FOR SALE: Drake R4A receiver and manual. Good condition. Price \$75.00 plus shipping. FM Atlas, 9th edition, by Bruce Elving. Excellent. \$5.00 ppd. Grove Enterprises active antenna and coax. Excellent. Price \$50.00 plus shipping. Jerry Strawman 519 30th Street N.E., Cedar Rapids, IA 52402. Phone (319) 362-7124 after 2300 UTC.

FOR SALE: Kenwood R-2000 with 2.7, factory and 4.0 Universal filters. Thirty months old and no more than 150 hours use. Absolutely mint. Original packing and manual. \$325.00 UPS prepaid. Hadley D. Cress, 1361 Devon Lane, Harrisonburg, VA 22801. (703) 433-2263.

FOR SALE: Hammarlund HQ-180C. Looks good and excellent manually. Recently aligned. Includes manual. Price \$125.00 plus UPS shipping. Steve Kennedy, Box 402, Waverly, TN 37185. Phone (615) 296-1897 10:00 am to 4:00 pm.

FOR SALE: R1000 with manual and commercially made 80 meter dipole with 50 ft. coax. Receiver in excellent condition, no modifications. Too much TV interference due to living in studio on Manhattan's Upper East Side and do much DX. \$275.00 includes shipping continental U.S.A. Kevin Sztot, 418 East 88 Street, Apt. 3B, New York, NY 10028. Phone (212) 427-5355.

FOR SALE: Popcom 9/82 to 8/85. Missing 2, 4, 8, 1983 and 3, 9, 1984. Thirty-one issues total in great condition. Also RDI Tropical Bands Survey, 1st edition. \$30.00 or best offer. Tom Laskowski, 1334 East Miner Street, South Bend, IN 46617.

FOR SALE: Sony ICF 6700W, \$150.00. Customized Beam Headings (from/to) and distances (MI/KM) to over 355 WRTH transmitter sites. Useful in picking alternate transmissions and selecting listening times based on distances. ITU Country Codes included. Send your location/coordinates, \$6.00. Gilfer's Confidential Frequency List, 5th edition; Guide to RTTY Frequencies, 2nd edition; FRENEX complete '84 or '85; WRTH '85, \$5.00 each. All items include shipping. Cashiers check or money order, please. Al Drehman, Route 2, Box 3B, Tryon, NC 28782. (704) 894-3398.

Radio Canada
International



May 30, 1986

For immediate release

Radio Canada International's SWL Digest Forum
to Record 1986 ANARC Convention

Radio Canada International's popular monthly Shortwave Listeners' Digest Forum will be recording its July edition at the 1986 ANARC Convention in Montreal next month.

'This will be a unique international gathering,' says host Ian Mc Farland. 'The setting will allow shortwave listeners and DXers the opportunity to express their opinions on a wide variety of subjects related to international broadcasting.'

'Ultimately we would like to produce the program in a live format,' continues the 29 year old broadcaster, 'and this convention gives us a chance to at least temporarily move to a live format.'

The Shortwave Listeners' Digest Forum was first broadcast in February, 1986 with a three-program series on the future of international broadcasting.

Joining host Mc Farland at ANARC will be regular co-hosts Larry Magne (Radio Database International) and Larry Miller (Monitoring Times). The program is aired on the last weekend of every month in the Shortwave Listeners' Digest time slot. The July edition will be broadcast on UTC 26, 27, and 28.

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For more information, call Ian Mc Farland at 514/285-2732 between 1200 and 1700 UTC.

(CONTACT: Greg Hardison
ABC Talkradio
P.O. Box 79
Los Angeles, CA 90016)

THE RAY BRIEM SHOW, heard nightly on the ABC Talkradio Network, is pleased to welcome two of the most well-known names in the world DXing community---IAN MACFARLAND, Host and Producer of Radio Canada International's "Shortwave Listeners' Digest" programme; and ARTHUR CUSHEN, National President of the New Zealand Radio DX League, and Honorary Ambassador from the New Zealand Ministry of Sport and Recreation, who is also representing the South Pacific Association of Radio Clubs. This show will air live on Saturday August 2, 1986 at 0706 UTC, and we plan to cover many areas of interest to the SWL and Shortwave DXer. Listeners around the U.S. and Canada are invited to call in and participate by dialing (213) 879-8255 (outside the Los Angeles area). We also plan to speak with H.D.NORMAN of NDXE Global Radio, about the advances made by commercial Shortwave broadcasters in the United States. Unfortunately, scheduling commitments will limit us to two hours this time around (0706 to 0900 UTC), so place your call early, and don't be discouraged by the long wait on the line--we won't answer the line until it's your turn to go on the air, so that will save a few pennies on your phone bill. Some key stations to hear the show: WABC-770 kHz; WTKN-970 kHz; WCNN-680 kHz; WINZ-940 kHz; WERC-960 kHz; WJBO-1150 kHz; KPRC-950 kHz; KRNN-930 kHz; WOC-1420 kHz; KNUS-710 kHz; KTKK-630 kHz; KABC-790 kHz; KGU-760 kHz; (2nd hour):KFBK-1530 kHz.

PRESS RELEASE

FOR PUBLICATION IN JULY 86 CLUB BULLETINS AND DX PROGRAMS.
THANK YOU VERY MUCH!

The Michigan Area Radio Enthusiasts are pleased to announce the publication of a very special guide for DXers....

THE GUIDE TO DXPEDITIONING

M.A.R.E. is a local group of SW & MW DXers and we have been quite active with DXpeditions in the past year. We have had a great time, have heard many DX targets and we want to share the what, when, where and how to do a DXpedition.

This 20 page booklet explains:

- What is a DXpedition?
- How to organize & prepare properly.
- How to evaluate a potential site.
- Power sources.
- Antennas.
- Equipment.
- Tips and techniques.

In addition, we have included a few tales of our recent experiences on M.A.R.E. DXpeditions.

This booklet will be available at the ANARC Convention in Montreal July 18-20 for \$1 U.S./\$1.25 Can. Stop by the M.A.R.E. table and see photos of our DXpeditions and other club activities.

The booklet is also available by mail for \$1.25 sent to our address listed below. (Available after 7/1/86)

Now is the time to read about DXpeditions, get the equipment ready and when the fall DX season begins, you'll be ready to trek off into the wilds with a ton of wire and hear that great DX!

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Sample copies of *FRENDX* and *UPDATE* are available for:

North America	\$1.00
Overseas	\$2.00

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