



"THE SWBC JOURNAL" OFFICIAL PUBLICATION OF THE

NORTH AMERICAN SHORTWAVE ASSOCIATION

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VOL.X NO.7

NASWA HEADQUARTERS

POST OFFICE BOX 989

ALTOONA, PA. 16603 USA

LATE NEWS AND NOTES

ATHENS, GREECE...The VOA radio station, situated on the outskirts of Thessaloniki in Northern Greece, will use its present premises until August 1972, under a new agreement between the Minister of Northern Greece, L. Patras, and the U.S. Consul General Thessaloniki, A. Fritzland. When the present agreement expires, the 50,000 watt station which has been in operation since 1951, will move to its new premises located near the city of Kavalla, close to the Bulgarian border. The new transmitter now being installed by the U.S. government will have an output of 2,500,000 watts. According to the agreement, the buildings, equipment and old transmitter are to be donated to the EIRT, the national radio and television network, when the VOA moves to Kavalla.

(BB mag. Via Bill Coleman Jr)

AMSTERDAM, HOLLAND...One of Radio Veronica's owners, Bill Verwey, who was arrested on a charge of inciting the attack on Radio Northsea last month, has admitted paying one of the divers involved, \$480.00 to buy equipment used in connection with the offense. All involved in the attack, which resulted in an explosion and fire aboard the Radio Northsea ship, "Mebo II" can be imprisoned to a maximum of 12 years. In the meantime, the Dutch government now seems anxious to take action by hurrying through a measure to ratify the Strasbourg Treaty which legislates against all pirate radio stations in international waters.

(BB mag. Via Bill Coleman Jr)

(Note. In connection with specified action by Dutch government, NASWA Hdqs received letter from the ISFR/International Society for Free Radio, signed by Gerard van Dam, 'Office manager for Holland', requesting support of "pirate" stations and stating the ISFR is willing to pay for such support. In reply NASWA made no commitments nor any promises, but we did ask for more facts/data/info regarding the ISFR proper. B.E.)

JOHANNESBURG, SOUTH AFRICA...Radio RSA sends advance word that it will hold a contest, the "Jubilee Competition of Radio RSA" to celebrate the 5th anniversary of the station. Prizes will include a trip for 2 to South Africa, shortwave receivers, wines, stamps and others. Full/complete info is to be released in the September-October edition of bi-monthly magazine "RSA Calling". NASWA has requested possible advance info so as to have in August bulletin. The contest is sked to begin September 6th. (NASWA HDQS)

ALTOONA, PENNSYLVANIA...Remember, Log Reports now go to Jerry Berg, 12 Westgate Drive, Apt.101, Woburn, Mass. 01801. QSL Reports are to be sent to Hdqs until otherwise specified. If you plan to attend the 1971 ANARC convention in Indianapolis, July 23-25, be sure to read this months ANARC Report, fill in the form and mail to Edward Shaw.

HAPPY VACATIONING, CONVENTIONING AND DXING!!!

NEW MEMBERS, WELCOME!!!

Don Baker, Anderson, Indiana. Via friend/
member Serge Neumann.
Ellsworth Seaman, Washington, D.C. Via
Communications World.
Mike Hardester, Modesto, California. Via
Dr. Richard E. Wood.
Richard Clawson, Seabrook, Maryland. Via
Communications World.
Robert Kelleher, Binghamton, New York. Via
SWL Guide/Todd Graves.
Dean Bianco, Eastchester, New York. Via
Communications World.
Walter Phillips, Jacksonville, Florida. Via
Communications World.
Randy Welsh, Midwest City, Oklahoma. Via
Communications World.
Joey Kennedy II, Houma, Louisiana. Via
Assn. of N.A. Radio Clubs/ANARC.
Douglas Keehn, New York, New York. Via
friend/member Pete Thomson.
Carl Dinger III, Morristown, New Jersey.
Via Communications World.
Jay Goldstein, Brooklyn, New York. Via
World Radio/TV Handbook.
Robert Ingram, Middletown, Ohio. Via Comm-
unications World.
Larry Hall, Louisville, Kentucky. Via
Communications World.
Dennis King, Aurora, Colorado. Via friend.
Bob Cecala, Salt Lake City, Utah. Via
Radio Today.
Edward Richardson, Baton Rouge, Louisiana.
Via Communications World.
Donald Fox, Norwood, Massachusetts. Via
PE Communications Handbook.
Gary Goltz, Pittsburgh, Pennsylvania. Via
American SWL Club/ASWLC.
David Whaley, Ventura, California. Via
PE Communications Handbook.

RENEWALS

Second year: Brent Hailpern, Al Miller Jr.,
Sebastian Torrisi, John Cormack, Charles
Arthur, Mario Sala, Dick Simonsen, Alan
Thompson, Jerry Berg, Bill Wulff.
Third year: Cal Cornils, David Volle.
Fourth year: Chris Lobdell, Mike Ryan,
H.Price Kagey, Barry Glassberg.
Fifth year: Art Seivers, Donald Anthony,
Walt Moore Jr., Doug Rathke.
Sixth year: Dr. Richard E. Wood.
(Real fine showing gents! Most pleased to
have all of you with us for another year.)
Note: Members joining or renewing after
15th of month will be listed next month.

VIA CORRESPONDING SECRETARY

Ed Shaw advises that due to new postal hike
and increased costs, club stationary is now
\$1.25 per 50 sheets postpaid.
Ed also informs that he continues to recve
mail from members who are having trouble
with a certain dealer who sells SWL gear
and supplies. Orders are many times very
late being filled, letters/inquiries hereto
bring no response/replies. In regard to this
please be advised that NASWA can take no
responsibility for the honesty or the poor
service of any dealers, but will reject all
plugs for them via bulletins. Presently the
most reliable and reputable dealer which we
recommend is Gilfer Associates, P.O.Box 239
Park Ridge, New Jersey 07656. Not only do
they give good/prompt service, but they also
treat you as a friend moreso than customer.

HELPING HAND SERVICE

For sale: Mosley SWL7 antenna, Concord 776D
tape recorder, Heathkit GD125 Q-multiplier,
Hallicratfer S-200 "Legionare" receiver.
Write Dan Romanchik, 24249 Beierman, Warren,
Michigan 48091 for info, prices, etc.
Wanted: Copy of May '71 Frendx. Will pay
postage. Greg Kelley, 108 Archer Street,
Staunton, Virginia 24401.

AWARD WINNERS

Awards Chairman-Warren Nordgren, sends us
the following list of most recent award
recipients...congrats to all!
Worldwide DXer Award (50 countries) Ronald
Howard and Charles Mohr Jr.
Worldwide DXer Award (75 countries) Harold
Kalkstein and Michael Watman.
Continental DXer Award (28 European countr)
Hiroatsu Matsuura and Michael Watman.
Continental DXpert Award (12 Oceania countr)
Alvin Sizer.
Continental DXpert Award (13 S.A. countries)
Alvin Sizer.
Missionary Stations Award (12 countries)
Thomas Clark.

IT AINT SO!!!

We hear that someone has started the rumor
that a certain club is to merge with NASWA.
Pay no attention to such prattle...it just
is not true/fact. If these guys who waste
time spreading such falsities would spend
the time at their rx's, we'd all be better
off. So if you happen to hear any such gas,
put a match to it!

EVRYONE HAVE A SAFE AND SANE 4TH OF JULY SO YOU CAN ATTEND ANARC CONVENTION!

Exclusive

THE LOUDENBOOMER REPORT

Exclusive

presents

"GAMES DXers PLAY"

If you've ever been fortunate enough to have thrilled to the many delights of attending a DX Club convention, you well know that just about every kind of DXer is represented at these gatherings, which, in turn, probably is a pretty close representation of the good guys, the goofs and the average Joe's who make up the DX community as a whole. So, now that we are in the midst of the convention season, I was thinking back to the last one I attended the other day and thought I'd pass on some of the types that I have met over the years.

Dominating any get-together is always a 'Mister Wunnerful', some guy, and thank gosh they are few in number, who has at least 15 years of experience and has somehow managed to log and verify just about everything there is three times over. He is also an expert on everything from the inner workings of a receiver to propagation and to writing a reception report in Quecha. Now that's all well and good, but the thing is, he goes to great pains to let you know he knows!!

Then there's Chauncy Insignificant, who spends the entire time standing in a corner facing the wall and hoping nobody will ask him what kind of a receiver he uses, because he's not sure he remembers the make/model. Everyone else is so busy having a good time they tend to ignore Chauncy, which is too bad. I always find myself wondering why he even bothered to come, unless maybe it's just for the chow.

Marvin Timeclock is not usually too much in evidence at DX gatherings, but he exists nonetheless. His 'thing' is schedules. He loves program skeds! Everyday his mailbox is stuffed with them, coming from all over the world. And he graciously passes this info on to his clubs each month. Ol' Marv can tell you at what hours and frequencies DW's broadcasts to Tristan da Cunha were back in 1962, 'cause he keeps them evermore!

And everybody loves Mr. Jovial. He's always the life of the party with a minimum of 875,000 anecdotes about loggings, QSLs, other DXers, stations, etc., etc., etc. Some of his stories are even funny. Trouble is, he thinks they all are.

Now enters Mr. Goodguy who never says an unkind word, is always ready with a helping hand. If he dont have the information, just give him your name and address and he will get it and send it to you. Right there when you need a ride to the airport, and should you arrive late and find no room at the inn, he is sure to offer you the back seat of his VW. The DXing hobby would probably be lost if it didnt have Mr. Goodguys.

Another fellow you're sure to meet (although you may not know it at the time!) is Sam Sometime. Sam has about 42 countries logged, which is nothing bad in itself, but you will realize you've been dealing with Sam when you get a long-distance phone call 5 months later, requesting the latest DX tips. So, you help Sam get up to 45 or 50 total and he promptly disappears for another six months or so. Where he goes...what he is doing.....nobody knows!

Then there is one fellow you are also likely to meet...he is The Shadow. You can always recognize him because he faithfully wears dark clothes, a cloak and dark glasses. His game is spies and secret radio stations. He knows all about Radio Euzkadi and other clandestines, but he isnt telling! He likes to run around taking pictures of QSLs with his mini camera, and examining signatures on veries with his James Bond magni-glass. Actually, I think he was once turned down by the CIA on a job application years back.

Finally, there's the Organizer. Usually he is the convention host (bless him!!) And he is the easiest to spot. Just look for the guy in the sweatshirt and a whistle around his neck, and who is shouting, "Meet at the south entrance in your cars within the next five minutes everybody!" Thing is, everybody is in middle of dinner.

Actually, I love 'em all. Conventions would just not be conventions...and our hobby would not be nearly so interesting without them.

...Charlie Loudenboomer

Oslo, Norway

North American SW Assn.
Altoona, Pa. U.S.A.

To whom it may concern;

May I first introduce myself. My name is Knut Bjorkmann and I am 22 years old, and I am a member of the DX Listners Club here in Oslo. In addition to being on the staff of our club bulletin 'DX News', I also produce programs (monthly) over HCJB and Norea Radio, also TWR-Monte Carlo. I am, in addition, along with three other DXers, producing a weekly program over the German station Deutschlandfunk. In these programs we often use tape cuts from different stations in order to illustrate. We also use cuts from stations in competitions, etc.

What I kindly ask your attention to is the following;

1. Is there anyone in your club that would be interested in corresponding with me via tape? Speed 3.75ips or 7.50ips. Former can be 4 track, latter must be only 2 track.
2. I am interested in station ID's as well as sign on/sign offs, also special programs from stations situated in your particular part of the world which you can hear with good quality. Remember the cuts will be used on radio programs, thus good quality is important. I am interested in all types of BC stations, both SW and MW.
3. In return for the tapes sent me, I can record European stations, music, or anything special my correspondent may wish. All tapes should be sent via airmail, therefore I prefer small spools at 3.75ips, 4 track.
4. Please make mention of this in your club bulletin. I appreciate your cooperation.

With this I wish you all the best from Norway and hope to make contact in near future.

Yours sincerely, Knut Bjorkmann, Olaf Schousvei 15, Oslo 5, Norway.

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NEW-REVISED-UPDATED NCL

The official NASWA Country List (for SWBC only!) has been completely revised and updated by our Country List Committee which is headed by Don Jensen-Chairman.

Those members interested in receiving copy may have same by sending request to Hdqs and enclosing two (2) 8¢ stamps (no coins please!) This list superceeds the former two that were issued in past. Supply will be available after July 15th.

TAPED TALKS

It is possible we will be able to offer, to those interested, tape recordings of the main talks/speeches made at 1971 ANARC convention. If arrangements can be made, we will announce in upcoming bulletin. We are certain there are a number of members, not able to attend the convention, who would like to hear such tapes. Tentative list of speakers include Dr. Richard E. Wood, Don Jensen, Wendel Craighead, Oliver Ferrell and other well known DX enthusiasts.

BE ON THE ALERT!

Watch for announcement re special bargains on 'package' deals (mags, books, etc.) to be offered by NASWA in near future; You will save money. Keep alert!

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LOCAL GET TOGETHERS

This time of year, much is said and writ about conventions and the point they offer opportunity to meet old/new friends/DXers. This is all well and good, BUT, there are other opportunities also. Take for example, local meetings or get togethers which can be held anytime of year. These mean much to those attending, and they mean much to the hobby also. In various cities/states, NASWA (and other clubs) have numbers of members. In the Boston area, in the Philadelphia area, Los Angeles, Denver, Chicago, as well as several other, there is good representation, but it is seldom many take advantage of getting together. However, the "Boston Bangers" (no inferences meant!) have and do meet on occasion...and they have fun. Everything, and more, that goes on at a convention, can be done at these local gatherings. They are informal and they are free. NASWA recommends more of them and we will help you arrange any, if you are interested. There is no better way to make/meet fellow friends/members than by 'eyeballing'. Swap DX tips, QSL data, discuss club doings, or have just a plain bull session...you are still sure to enjoy yourself. Main thing is, get together with your fellow members and friends whenever you can. It pays off! Is a 'something' this day and age!

NASWA PHOTO PARADE



KEN SCHNUR



KRIS LEMNA



ROB SMITH



ROLF ERNY



PETE THOMSON



BOB MOSER



GARY TONCRE



ROBERT PELZ



WALT WINDISH



ERNIE BEHR

(For info/data on these NASWA members, see next page. Have you sent in your snap/photo yet?)

NASWA PHOTO PARADE

KEN SCHNUR, Brooklyn, New York. In his first year with NASWA, Ken is a high school student. His receiver is a Hammarlund HQ-180 and he uses a longwire antenna. In the hobby for a year, he has logged 69 countries and QSL'd 54. His standby receiver is a Heath GR-84 which he built from kit. Aside from DXing, he collects coins.

KRIS LEMNA, Muncie, Indiana. Using a Heath SB-310 with inverted L antenna, Kris has heard 153 countries on SWBC and has veried 116. He has been an active NASWA member for three years, is a free-lance reporter. Enjoys corresponding with fellow DXers.

ROB SMITH, Anchorage, Alaska. A newspaper photographer, Rob is married and has been an Alaskan resident for the past nine years. His receiver is a Hammarlund SP-600 and he uses a longwire antenna. He is new in the hobby and in his first year with NASWA.

PETE THOMSON, Charles City, Iowa. A high school student, new NASWA member Pete uses an RCA ML 'StratoWorld' receiver and longwire antenna. Very interested in DXing, he hopes to learn as much as he can to add to his enjoyment and become a regular reporter.

ROLF ERNY, Offenburg, West Germany. A retired electronics technician, Rolf is in his fourth year with NASWA. His receiver is a Heath SB-310 and longwire antenna. He likes DXing, also collecting stamps and foto's.

BOB MOSER, Chicago, Illinois. In his fourth year with NASWA, Bob is single and is a purchasing agent. Having a shack full of gear his main receivers are a Drake R4B and Hallicrafter SX-62A. He uses longwire antenna. Likes DXing and QSLing, has 62 veries.

GARY TONCRE, Mirimar, Florida. In the hobby for two years, Gary is a high school student in his first year with NASWA. Using a Radio Shack DX-150A, he has 42 QSLs so far. His antenna is an inverted L. Enjoys collecting stamps and coins.

ROBERT PELZ, SR., Elkhorn, Wisconsin. An oldtimer, Bob is married and is retired engineer/farmer. His receiver is a Haeth SB-310 and his antenna is a Trik-Stik. Aside from DXing, he enjoys gardening and cardswapping. Has CB license KRV6417.

WALT WINDISH, Woodcliff Lake, New Jersey. Using a Lafayette 'ExplorAir' I and VI, plus Haethkit GR-54, Walt has three separate longwire antennas. In the hobby for over two years, though a newcomer to NASWA, he has just begun collecting QSLs and has 19 to date. A high school student, he also enjoys sports, pop music and coin collecting.

ERNIE BEHR, Kenora, Ontario, Canada. "In 3rd year with NASWA and a former member/ed. of late URDXC. Receiver is a National NC-400 with an SWL-7 antenna. A commercial radio and telegraph operator by vocation, and ex-ARO VE3GOE. DXing since 1954, with 188 SWBC countries logged to date, keeping detailed log records on every station heard including some 600 Latin Americans."

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NOTE: We are in hopes that we will have a number of snapshots taken at the ANARC convention in Indianapolis the end of this month. Hereto we request members be good enuff to send such to Hdqs so that we may use them in future bulletins. It is also requested that some info/data be included with each snap. A few members have already promised to cooperate herewith, thus we thank them in advance.

Our apologies to member Donna Hickey whose snap was missing from last months photo page. Somehow or other, it was misplaced here at Hdqs. In any event, Donna sent us another and we will be using it in near future. Hope you wont mind possibly being 'surrounded' by group of our male members Donna. While we may have some "dirty old men" in our ranks, at heart they are all fine gentlemen.

Summer is 'fun time' and when you are not DXing, why not take some pix. Remember we can always use them for future photo pages. Only your cooperation makes them possible.

If you were on a past photo page, we have a supply of ceratin on hand. Should you like an extra copy or so...we will make on first come-first served basis, but only if you include return postage with your request. Mail to Hdqs and specify month wanted.

BITS AND PIECES==ODDS AND ENDS==THIS AND THAT

We are still investigating the CMA and O'Connell Assoc. deal. We've engaged some of the top sleuths in the hobby to help us, even our own Charlie L. In any case, one thing we want to make clear...we do not infer there is anything wrong with either CMA or O'Connell Assoc., we merely want to get more info/data about them so as to give NASWA members the complete and true facts.

June photo page specified the receiver used by member Sara Stillman as a Zenith Trans-Oceanic; We stand corrected. She uses a Drake SW4A and a Grundig 'standby'.

Gray Scrimgeour, our Eastern area ANARC Rep. has been under the weather of late and is also having eye troubles. As result, again this months ANARC Report was 'whipped up' at NASWA Hdqs.

Latest word from our QSL Report editor, Gregg Calkin, who recently moved to Mexico, is quite encouraging. Indications are, although nothing positive yet, that he will again resume his section beginning September. Meantime, all reports, data, etc., for QSL Report should be sent to Hdsq. Gerry Dexter will do the August section. Our thanks to him for this months, even though a few errors were made as to format, he did excellent job for which we are appreciative. Hang in there Ger!

Member John Creamer, an oldtimre 76 years young, sent us an article on how to modify a standard 12 hour clock into a 24 hour GMT'er. Article has been forwarded to our SWC editor Bill Matthews and will most likely be used in near future. Thx Johnny!

Long time member Mike Macken of Winthrop, Mass. tells us there is a Motor Inn (motel and cottages) named "NASWA" located on Lake Winnepesaukee, in New Hamp. Could it be that CL has been misappropriating club funds and investing them? Hi!

Didja know that our gang up Boston way call them selves the 'BADs' (Boston Area DXers) We cant believe there is any wrong inference otherwise because each of those gents up there is a regular reporting/supporting member...all real 'GGs' (Good Guys).

Where does a DXers money go? Ask Hank Michalenska (Asst. NR editor). He plans to go to ANARC convention, buy a car, get a Drake R4B, attend college this fall. Lottsa luck Mike, and you better save every crumb you can get...it'll take plenty of bread to meet your goal. Mebbe you can get a loan from CL. Eh? Doubt you could afford the high interest rates he would probably charge though. Hi.

Miss Gaynea S. White, The Bungalow, South Bank NH, Bath Road, Worcester, England has requested info/data on VOA (which she has been sent via Hdqs). She also would like to learn more about America proper and would appreciate picture postcards. How about us sending her a couple hundred. Just mail to her at her given address...be sure you let her know you are a NASWA member.

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ARE YOU GOING TO THE

'71 ANARC CONVENTION?

IF SO, BE SURE TO SEE

AND COMPLETE THE FORM

ON NEXT PAGE:

ANARC REPORT
1971 CONVENTION SKED (TENTATIVE)*

Holiday Inn - Airport Indianapolis, Indiana 23-25 July

(MR = Meeting Room CDR = Convention Dining Room)

Friday, July 23

6:00 PM MR: Convention begins. Remarks by Serge C.P. Neumann, convention host. Then remainder of evening is open to informal gatherings by those present.

Saturday, July 24

9:00 AM MR: First general meeting, called to order by ANARC Exec.Sec., Wendel Craighead. General introductions of those present; Opening remarks and official schedule of events announced.

9:20 AM MR: ANARC Committee's report by committee chairman or delegated reps.

9:45 AM MR: Gerry Dexter, ANARC MOY chairman, announces this years 'Man of Year' award recipient and Merit Award selections.

10:00AM MR: Dr. Richard E. Wood speaks on "Language Identification in Radio".

10:30AM15 minute break.....

10:45AM To be announced

11:45AM Lunch (to be paid for by individuals)

12:45PM MR: Assemble for afternoon tour.

1:00PM Tour of theUSADI School at Fort Benjamin Harrison. This is where all AFRTS personnel receive training prior to being assigned to overseas bases or stations. Briefing on AFRTS activities.

3:30PM Arrive back at Holiday Inn. Free time until banquet.

6:00PM CDR: ANARC banquet. Menu: Chopped sirloin steak w/mushroom sauce, whipped potatoes, vegetables, tossed salad, ice cream/sherbert, choice of beverage. (This is prepaid, included in registration fee.)

6:30PM CDR: Talks by Don Jensen and Oliver P. Ferrell.

7:00PM15 minute break.....

7:15PM To be announced

Sunday, July 25

8:00AM CDR: Breakfast is served (prepaid, included in registration fee)

8:45AM CDR: Exec.Sec. speaks on the future of ANARC. Adjourn to MR.

9:15AM MR: Awarding of door prizes; etc. Convention wrap-up.

11:00AM MR: 1971 ANARC convention officially ends.

* Note this is tentative sked, subject to changes if where/when necessary or needed.

NASWA MEMBERS..ATTENTION!!

A meeting of NASWA members only, is planned for Saturday evening, after the banquet. Time and place will be announced, Edward Shaw will be in charge. Being it is expected NASWA will have most representation at the convention, those who are interested in attending the meeting are requested to complete the below form and mail to Ed Shaw, 415 North Shore Road, Norfolk, Va. 23505 so that he receives it by 7/20/71 latest. It is important that you complete and mail this form to him. Pix will be taken and tapes will be recorded. Be sure and be there, let yourself be seen and heard.

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I am a NASWA member who will be at 1971 ANARC convention and will attend the special NASWA meeting on Saturday evening, following banquet.

Name _____ # _____

Address _____

City _____ State/Prov. _____ ZIP _____

Mail to Ed Shaw (address above) so as to reach him no later than 21 July. Important!!



SHORTWAVE CENTER

WILLIAM A. MATTHEWS, EDITOR
POST OFFICE BOX 15306
COLUMBUS, OHIO 43215

Deadline 15th of the Month
Your support is solicited!

A VISIT TO VTVN SAIGON Bruce W. Churchill

Having decided to pay a visit to the Vietnamese National Broadcasting Station during a recent flight to Saigon from the USS KITTY HAWK in the Gulf of Tonkin, I innocently set out by cab to 3 Phan-dinh-Phung Street. After arriving at this WRTH-advertised address, I immediately noticed a distinct lack of anything resembling a radio broadcasting studio or station - on one side of the street was the United States A.I.D. headquarters and on the other side was a heavily-guarded Vietnamese Army psychological warfare unit. I had been told that a radio station was located in the ARVN compound; some fast talking at the gate produced an English speaking officer who escorted me to the radio station, which turned out to be an Army station, similar to ARFTS (or so I was told). This probably would have made an interesting article in itself, but I decided to continue my quest for VTVN, now driven by more than the usual curiosity.

A long, hot walk to what looked like a promising location for a national broadcasting studio, turned up the Vietnamese National TV studios, close but no cigar. I was finally directed to the actual location of the VTVN studios and offices, which, needless to say, were not at the stated address and located separate from the TV studios. It was apparent why I had missed the station after passing it twice on my foot journeys - the building was singularly unimpressive, being a two-story faded yellow stucco structure, totally devoid of any indication that a broadcasting network might be housed therein. The area was well-guarded by Vietnamese paratroopers, who appeared to have a barracks compound nearby, and who were not too inclined towards my attempts to obtain some photographs of the outside of the studio building. The studios were located on a dirt side street off Phan-dinh-Phung, surrounded by a stucco wall with barbed-wire and nestled against a high-rise apartment building.

My first encounter was with a Mr. Richard Driscoll, an American advisor to the station. Mr. Driscoll introduced me to an American technical advisor and to Mr. Vu Duc Minh, the Chief of the Programme Service of VTVN. Mr. Minh was kind enough to take me on a tour of the station's studio facilities. He was born in Nam Dinh, in North Vietnam, and came to Saigon in 1953, one year before the French left Indo-China and the refugees started streaming from North to South Vietnam. I asked Mr. Minh about the QSL policy of VTVN; he replied that all correct reports were answered and that some attempt was made to determine their validity. It was apparent, however, that the validity checks were based on long-term program skeds and not on a detailed daily program log. For example, the only record of musical selections transmitted would be found on the pre-recorded program tape - it would not be practical for the station to determine the accuracy of musical items noted in a report. It was my impression that the station had not received very many reports from overseas monitors; they showed great interest that I had received the English service on 9.755 Mhz on the West Coast.

The station's studio facilities consist of 5 active and one inactive studios; one for foreign language broadcasting (THAI, CAMBODIAN, LAO, FRENCH, ENGLISH, CHINESE), one tape-recording studio, one for news and other "talk" type programs, and two larger studios for the broadcast of live entertainment. The inactive area was empty and is earmarked for the installation of new studio equipment. The foreign language and news studios contained Hammarlund SP-600 receivers for miscellaneous off-the-air reception uses. Three of the studios, the transcription studio and the live broadcast studios, were located in outlying buildings, one of which was still severely bombed out from the Tet offensive in early 1968. The remainder of the main building was devoted to office spaces. The programs are sent to the transmitter site, about 25 kilometers

A VISIT TO VTVN SAIGON
(continued)

from the studios, by landline and VHF link.

Mr. Minh mentioned that the VTVN studios and offices were slated for moving to a more modern and expanded building, but it is apparent that the money for such a move will not easily be forthcoming - no work whatsoever has been commenced on the proposed site, located just next to the old buildings. Overall, the visit was a most interesting one, and gave me a very lucid picture of the conditions under which broadcasting stations must work in countries where the radio budget is somewhat less than optimum. I have also gained some appreciation for the difficulties in obtaining verifications from those stations which are not particularly oriented towards an international audience. Despite outdated and cramped working conditions, Radio Vietnam continues to produce news, commentary, educational programs and entertainment for millions of people on the Indo-China peninsula, 24 hours a day, seven days a week.

* * *

RED RADIO WOOS BONN'S TROOPS

In the morning and evening hours West German soldiers stationed in towns not far from the East German border are being entertained by radio programs featuring a mixture of lively music, news and commentaries.

The sources of this entertainment are two East German propaganda stations. A West German Defense Ministry official describes their purpose as the undermining of the Bundeswehr (armed forces) politically.

Deutscher Soldatensender 935 and Deutscher Freiheitssender 904 operate from transmitters near Magdeburg, about 30 miles inside East Germany. Their studios are in East Berlin. The numbers after their names relate to their frequencies. While the Soldatensender station does not try to conceal its East German origin, Freiheitssender pretends it is a clandestine antigovernment station somewhere in West Germany that "speaks out what others do not dare to say."

Freiheitssender addresses West German workers, union members and political parties, besides soldiers. It comments on political and economic developments and runs foreign language broadcasts aimed at the 2 million immigrant laborers in the federal republic. Musical request programs and personal messages ("with love from Otto to Martha") are a regular feature to attract as wide a range of listeners as possible.

The East German propagandists persistently try to stir up West German troops against their officers. "You should decide for yourselves what you want and no longer buy that nonsensical stuff that is being spoon-fed to you by the boss," one recent broadcast said. The war in Viet Nam and the conduct of American troops in Southeast Asia is a pet subject of both stations, which supplement each other with their programs. Commenting on the appointment of Lt. Gen. Michael S. Davison, the new commander-in-chief of the U.S. Army in Europe, Freiheitssender charged, "This Davison is a war criminal and for a time was commanding officer of Lt. Calley and Capt. Medina as well as other murderers.

"As chief allies of these war criminals you (the West German soldiers) may get dragged into the adventures of the Americans..." it warned. Controversial issues in the West German army, such as the Starfighter crashes, news about desertions and popular gripes among the troops, are given wide coverage. "Once or twice Soldatensender correctly predicted the start of NATO (North Atlantic Treaty Organization) exercises," the Defense Ministry official said. "They know where a barracks room is due for a new coat of paint and tell the soldiers to insist on their rights." The two stations get their information from West German Communists, draft dodgers and Red sympathizers. They also pick up items from small town papers and present the news as their own.

Operating on the medium wave band with broadcasting licenses the Russians obtained

RED RADIO WOOS BONN'S TROOPS
(continued)

after World War II, the range of these East German propaganda stations is limited. Their programs also are subject to interferences by other stations close by, such as the American Forces Network and Radio Moscow. Soldatensender is under the direct control of the East German Ministry for National Defense while the other station used to be run by the now defunct Committee for National Unity.

Because of the popular music programs many West German soldiers, who have no forces network of their own, tune in to the East German stations. But a West German officer dismissed the impact of the Red propaganda. "It is simply too stupid to be effective," he said. During a recent visit in Munich, the site of the 1972 Olympic Games, a delegation of the East German National Olympic Committee demanded that Radio Free Europe and Radio Liberty, two American propaganda stations based in West Germany, be shut down or removed. The activity of these stations, the East German officials claimed, was "irreconcilable with the Olympic spirit."

Alice Siegert (Chief of the Bonn Bureau)
in the Chicago Tribune
...via Tom Roseliep

While this article by Miss Siegert has dealt primarily with two MW stations, such operations are not limited to MW --- at 2300-2330 GMT, a program is aired in English from Radio Berlin International on SW to the American troops in West Germany and Western Europe. The call is "OPS-Berlin" (standing for Out Post Station-Berlin) and each program is filled with jazz and commentaries intended primarily for these US troops. RBI was quite surprised to learn that the transmission was audible here in the United States...the best frequency is generally 9730 khz. Thus, an interesting aspect of broadcasting can be heard by most US listeners.

* * *

To those who feel that articles even hedging on a political situation are to be omitted at all costs, let me say that YOU can always tune out from the station in question....this is freedom of choice...don't limit others in their choice even though you may not agree! WAM: We attempt to present a balanced picture wherever possible...your comments on the SWC are always appreciated (directed to this address) whether favorable or constructively critical.

* * *

"WAS IT OR WAS IT NOT?"

An attempt to log Tristan da Cunha; by R. Cader and
G. Wood; written by - Gerry Wood

Ever since arriving in South Africa six months ago I have been planning, with the co-operation of Raymond Cader in Simonstown, an expedition over the mountains to try for the allusive ZOE.

Enthusiasm neared it's peak on the night of Friday 9th April when I decided to keep a watch on 3290 khz. This was at home at Muizenberg using a 120 ft longwire, an ATU, the Eddystone 680X, and of course the BC221 to be spot on frequency. I tuned in at 2100 local time (ZOE sign-on time) and found Malagazy on 3288 causing too much interference. Gazy signed off at 2130 local and the wait began. Noise and static was reasonably low but still a considerable nuisance. The frequency was absolutely dead as far as a transmission went and after a while the ears were aching from the bursts of static. At 2157 low orchestral music could be heard but was unidentifiable. At 2158 a well known song was played and the title recorded. You can imagine the excitement at this point, every nerve straining to catch the 2200 ident and BBC news. But

"WAS IT OR WAS IT NOT?"
(continued)

great depression, the fade out was swift and complete at about 5 seconds to 2000 GMT and not a peep was heard for the next two hours. But the bug had really bitten and I was on the phone to R.C. in Simonstown telling him the story and making preparation for Sunday 11th April to go out on location.

A half wave dipole was cut to frequency out of brand new 7 strand copper wire. This was a great sacrifice as a much prized 500 foot roll had to be chopped into pieces for this one occasion. A pole and stays were prepared and we awaited Sunday evening. Raymond brought his receiver, an Eddystone EC10 to my place and we set it on 3290 khz. Armed with torches, heavy jerseys, double socks and a drink, we piled into an Opel and headed for Noorhook Strand.

Our arrival there met with instant disaster as we took the wrong track onto the beach. The car sunk into the sand and no effort would release it. We thought at this point that the attempt was to be a failure but out of the bushes and from around a lovely fire appeared two willing helpers who not only pushed us out but directed us to a safe path onto the hard beach sand.

Raymond had already found out the bearing of Tristan from the Point and armed with a compass we quickly found the direction we needed. Breaching the rules slightly we decided to form the dipole into a sloping V and by the light of a perfect moon and a couple of torches we proceeded to lay out the wires in a V with a 30 degree apex. The tide was right out so we had plenty of room to operate. The nylon cord we were using snapped a few times under the strain but eventually at about 2230 local we were ready. The setting up had taken more time than we had planned and the escapade in the sand had lost valuable minutes.

So, to two heavily dressed dx'ers crouching in the front seat of the Opel. The receiver sitting on the open glove compartment, a torch lighting the controls, headphone on, switch on, and instant station. But no ZOE. No, it was our friendly neighbor Zambia on 3285 khz. The selectivity of the EC10 was too poor and could not suppress the splash from both Zambia and a Portugese station on 3295 khz. We checked with WRTM 71 to find Zambia's sign-off time and noted it to be 2300 local. There was only 10 minutes to go and we continued trying to find a path between the two stations without avail.

2300 local - listening to the closing down statements on Zambia - there is the national anthem - Good show, any second now - Hello - What's this? - Ghana identifying with a big signal, Oh no. Where did that come from?

Two very despondent dx'ers sat in the cold listening to Ghanaian news splashing from 3285 khz. After the usual blue words we decided to look around abit and see what was cooking elsewhere. Static was absolutely nil and it would have been a perfect night for the attempt but it was now a waste of time.

We listened on the Medium Wave band and could hear plenty of Europeans, Africans, Arabs and the odd South American coming in lovely. But my feet were turning into blocks of ice and at 2340 I said to Ray "Come on let's call it a night". "Let's try one more time", he replied, and so we tuned back to 3290 khz.

Where's Ghana Gone, and the Portugese wasn't splashing. "I can hear music", cried Raymond, and I, selfishly took the headphones off him. Sure enough, very faintly under the low noise level there was orchestral music playing away. Fingers were crossed, frozen toes forgotten, a short prayer was offered up. The music increased in intensity and at 2345 local a male announcer could be heard, and then the words "TBC". Or was it GBC? Or was it.....? What was it? More music, singing, a man talking, music, singing, talking and so on. At 2258 a male announcer's voice rose out of the mush and said, "You have been listening to..... on TDC Radio". Or was it GBC Radio? Or maybe TBC Radio, or PBC. Who knows? With a bit more music the station faded away. Had we got it? Only time will tell. We are going to break all

"WAS IT OR WAS IT NOT?"

(continued)

the rules of good dx'ing and send in a tentative reception report. Firstly though we did a bit of homework. I thought that there was a possibility of the station being the Phillipines Broadcasting Corporation which signs on at 2300 local on 3286 khz, but the WRTH says that it is PBS and not PBC. Thank goodness for that. All that there was left to do was monitor R. Ghana on it's 90 m.b. outlets and see if they used the identification "GBC" or "GBC Radio". That was attempted on Monday 12th April but static was terrible and we left it for another night. Further evening's produced the usual "R. Ghana" and "Ghana Broadcasting Corporation" idents and so the report goes off. Wish us luck you envious dx'ers.

This article appeared in DX NEWS
published by the South African DX Club
-- reprinted via the permission of
the author

...Via Robert Peritz

SHORT-WAVE LISTENING TODAY

The number of short-wave stations is continually increasing, not only in Europe or the Americas but everywhere on our globe. There are new broadcast stations, relay stations and outlets, maritime, aeronautical, meteorological, geophysical and last but not least commercial stations. The powers of the broadcast stations are like their numbers climbing and climbing. An output power of 500 kWatts on short-wave is no longer extraordinary, nor are Megawatts on the medium wave band.

How does the DXer and the supplier of his radio gear, the receiver industry, cope with the problem of interference? Let's begin with the modern types of receivers and their characteristics for the battle against the nasty QRM. What do we expect from such a receiver? A number of ranges for the whole short-wave spectrum, a good frequency stability guaranteeing a tune-and-hit finding and re-finding of stations; perhaps the most important point is cross-talk suppression, (a characteristic DXers in large towns and cities should consider since they are usually surrounded by some local stations. Who can forget these stations bumping in every few kHz especially on the lower short-wave bands?)--Not so important is the problem of sensitivity. Due to the application of modern radio components it is very easy to make the receivers highly sensitive. Another very important point is a discontinuous band-width switch including different widths from 6,000 down to 100 Hz and below (for C.W. fans). A B.F.O. (Beat-Frequency Oscillator) is necessary for both C.W. and SSB reception as well as the selection of the one desired sideband. A.G.C. (Automatic Gain Control) helps to improve the signal at times of severe and rapid fading.

What can the DXer do against the QRM? First he has to select the appropriate propagation frequency for the station he wants to hear. Changes in the 11-year-solar-cycle, seasonal and daily changes have to be considered. Our propagation forecasts for a number of world circuits will be of help here. If months before, between or after the printed diagrams are wanted, then satisfactory values can be obtained through extrapolating the given values. Particularly during propagation disturbances caused by ionospheric turbulences the choice of the smallest possible operational band-width is recommendable. The smaller the audio spectrum the smaller the effects of ionospherically caused forms of fading. (It must be added that there is a limit in narrowing an audio spectrum due to the band-width of the speech formants.)

Often the QRM can be overcome by using the opposite side-band of a station. Whilst the lower side-band may be distorted by the QRM, the upper side-band may be free. To tune in to it, the B.F.O. must be put on, its frequency control adjusted at 1 kHz down zero-beat and the beat-note eventually zeroed. Then the B.F.O. may be cut off

SHORT-WAVE LISTENING TODAY

(continued)

and one has the upper side-band. Another problem is the choice of antennas. Resonant antennas are directional (except vertical Marconis and similar types). They are able to suppress signals from undesired directions. As there is no wide-band antenna covering all short-wave bands one should specialize in one or two favourite bands. The other bands can be picked up with a non-resonant inverted-L-outdoor-antenna suspended as high up as possible.

RBI Journal....via NASWA Hq.

* * *

LA CRUZ DEL SUR EXPANDING

Richard E. Wood

Probably the best-known station in Bolivia and long a friend of DX'ers, La Cruz del Sur, Southern Cross Radio in La Paz, Bolivia, is again expanding its general operations. Only one shortwave transmitter, on 4875 kHz, is in use, but plans for expansion of medium-wave and FM operations are underway. 11765 kHz, listed in WRTH 1971 and elsewhere, will, however, remain totally inactive.

Answering a question on the future of La Cruz del Sur in view of the establishment of a nationalistically inclined régime in Bolivia, Mr. Alec Kerfoot, Engineer, replied that "We have always enjoyed excellent cooperation from the Bolivian Telecomunicación authorities and we expect no problems whatsoever concerning renewal of our licenses. As a matter of fact we have recently applied for certain alterations in our licenses as part of a fairly extensive modernization project."

The project referred to by Mr. Kerfoot will involve a move of the 10 kW shortwave and medium wave transmitters to a less remote site where the station can use commercially generated power, rather than having to generate its own. Limited generating facilities have up to now prevented the operation of the medium wave station on 730 kHz with its full rated power of 10 Kw, which is perhaps part of the reason for the extreme rarity of reports of MW reception of La Cruz del Sur in North America. Important for MW transmission also is the factor of ground conductivity, and the new site will be entirely rebuilt, to provide the first Stereo service in the Andean nation.

The station's national director is Pastor Augusto Clavijo, but, as is well known, La Cruz del Sur is owned by the Canadian Baptist Mission and Mr. Kerfoot is a Canadian. Hence, reception reports may be sent in English. The schedule is as follows: (All on 4875 kHz):

1000-1045 GMT Aymará
 1045-1130 Quechua
 1130-1135 German
 1135-0300 weekdays Spanish
 1135-0230 Sun. & Mon. (GMT date) Spanish
 0230-0300 Sun. & Mon. English

Identification is a four-note gong and "Esta es Radio La Cruz del Sur, Luz que senala el camino de la vida". English sign-off is: "This is Southern Cross Radio, ending another day of transmission from La Paz, Bolivia. Our purpose, to beam the good news of Jesus Christ, who is the Way, the Truth, and the Life."

The station verifies reception reports by QSL card; tape reports at any speed are accepted. Good reports are rewarded by a pennant, and schedules are sent on request.

* * *

TRANS WORLD RADIO, SWAZILAND

Dr. Paul E. Freed has described the now final plan for a new superpower Gospel broadcasting station in Swaziland at the northeast border of the Republic of South Africa.

The new station, expected to begin broadcasting early in 1972, can reach some 83,000,000 people in the portion of Africa which lies south of the equator. Programs will be aired in English, Afrikaans, French, Portuguese, Zulu, Xhosa, Sesotho, Siswati, Tswana, Shona, Chichewe, and Bemba. They will reach the people of Angola, Botswana, Lesotho, Malawi, Mozambique, Rhodesia, South Africa, Swaziland, Zambia, and parts of several other countries.

The broadcasting site, situated on a mile-high mountain plateau in Swaziland, will be the location for powerful AM and short wave transmitters. "The new African ministry," states Dr. Freed, "is the answer to the prayers of many African Christians and other Christians all over the world."

The government of Swaziland has granted full permission to Trans World Radio to broadcast the Gospel, virtually without restrictions. In recent communications from the Ambassador of the Kingdom of Swaziland to the USA, the Ambassador has stated, "On behalf of the government of Swaziland, I am happy to welcome Trans World Radio to Swaziland. We wish (you) every success in this new venture."

Now in Swaziland - and the first TWR missionaries permanently on the site - are Jack and Marilyn Hoepfner. They arrived there on February 8 and are busy with the preliminary details. At the home office in Chatham, New Jersey, Bob Schultz, Chief Engineer with the Bonaire station, has made a selection of transmitters, towers, and has designated usable frequencies. He is assisted by Art Thompson also of the Bonaire staff. Fred Simmonds, of the African Evangelical Fellowship, was recently appointed TWR's program director for the Swaziland broadcast ministry. He has long standing relationships with a number of African radio production groups. It will be his responsibility to produce top quality evangelical programs in all the major languages spoken south of the African equator.

Needed equipment and supplies have begun to accumulate in Miami warehouses and will soon be shipped to Swaziland. The new outreach has felt the power of a groundswell of fervent prayer. The timing - God's timing - couldn't be better.

Trans World Radio bulletin

....via Richard Anderson

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ANTENNA MATCHING UNIT

Dick Heggs

If it wasn't for the fact that I was amazed with the operation of this little gadget, I probably wouldn't be writing about it. Not only was there improvement in my received signals, but a heck of a big improvement! It is the antenna Matching unit described in Radio Nederland's antenna booklet "Give Your Antenna Some Air" available from R. Nederlands, P. O. Box 222, Hilversum, Holland, upon request, free of charge.

In the words of your president, God bless him: "Let me say this, about that"--I am using a 75' long wire, running from roof peak to tree trunk. It was found to be the best antenna I could find and exceeded the "Inverted Vee" and some dipoles in general all direction signal strength. To cut down some QRN, I installed some RG 59-U Coax cable for lead-in. This matched the receiver input a little better and so we had some improvement there. I tried one or two pre-amps, but since the receiver has a pre-amp built in, the pre-amp amplified the noise as much as it amplified the signal, so I was not any better off.

Leafing through the antenna booklet, I decided to try the matching unit. After all, I had a couple of tuning capacitors from old radios around, and a rotary switch, and I managed to find some number 18 or 20 copper wire to wind a coil with. If I had

ANTENNA MATCHING UNIT
(continued)

noticed one or two S-unit increase in signal strength, I wouldn't have wasted my time writing this. Even 3 or 4 S-unit increase wouldn't be all that exciting. Would you believe at least 6 S-unit increase? Well consider my first trial, in the afternoon, 49 metre band, pretty dead that time of day. CFVP Calgary on 6030 Khz. It is a weak, but steady unfading signal. Not DX for me. The signal when peaked with all controls available at the receiver was S-3. I plugged in the matching unit, peaked all controls and I got S-9! Just too good to be true. Once more, the noise level didn't increase, so we improve our signal to noise ratio right there, with a stronger easier to copy signal. Want further proof? Ckey, then take Radio Luxembourg on 6090 Khz. around 0045 GMT. This station is practically impossible for me. I noted it without the match with no S-meter deflection at all. I could hear the station, but couldn't copy it at all. Plug in the matcher, S-6 and a perfectly readable signal. Now when it comes to copying a station when you couldn't copy before--you bet your life this advice is important!

Briefly, the device consists of your antenna connected to one tuning capacitor, to the fixed plate section. The input of your receiver to the fixed plates of a second tuning capacitor. The two capacitors (movable plate or frame side) grounded to receiver (and antenna if coax lead-in). Also connected between the fixed plates of the capacitors is a 1" diameter coil made up of 15 turns of No. 18 or 20 copper wire (which is about 1 mm in diameter.) The coil is tapped at 3,4,5,7,9,12 & 15 turns and the taps are wired into a rotary switch. The contact of the rotary switch is wired to the fixed plates of the tuning capacitor which is connected to the input of the receiver. These taps are for the 13,16,19,25,31,41, & 49 metre bands respectively. These taps appear to be correct. The coil is wound loose spaced, about 1/8th of an inch between coils. I do not think smaller wire will work well.

This device has been around for some time, and I suppose you all have seen diagrams for it. Perhaps you were like myself--I didn't believe it was worth the trouble--but it sure works for me and is worth trying yourself.

* * *

VOA'S OKINAWAN STATIONS COMPLICATE ISLAND'S RETURN

Five Voice of America transmitters have become an issue in final negotiations to return the U.S.-held island of Okinawa to Japanese control. The transmitters are the closest the U.S. holds to the China mainland.

Negotiating teams from the U.S. and Japan are working toward a May or early June completion on the treaty, which stems from a 1969 agreement between President Nixon and Japanese Premier Eisaku Sato to return the Ryuku island by 1972. When the treaty is finalized it must be approved by both the U.S. Senate and the Japanese Diet. VOA installations on Okinawa include a 1,000 kw medium-wave transmitter and four short-wave transmitters, one with 100 kw power, one with 15 kw and two with 35 kw, occupying 134 acres at Okuma, 50 miles north of the Okinawan capital of Naha. Broadcasts from the units are made in Korean, English, Russian and Chinese.

Opposition to continuation of VOA transmissions has been made on grounds that Japanese law forbids foreign broadcasts from within the country's territorial boundaries, and that Premier Sato had promised native Okinawans equal status and legal protection accorded home island Japanese. Therefore, to retain the VOA base on Okinawa the Japanese Diet would have to amend its present law. If the law is not amended the units would have to be removed at a cost which sources at VOA estimate to be between \$20 and \$25 million. The move would further make it "very difficult to cover Northern China, North Korea and Asiatic Russia," according to a spokesman at the State Department.

BROADCASTING...via Gerry Dexter

In a late development, UPI reports that the US-Japan Treaty has been signed. The VOA

VOA OKINAWA
(continued)

site will remain under American control for a period of 5 years (at which time, this control can be renewed). The transfer date is in April 1972. (WAM)

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ANNOUNCEMENT OF RADIO JAPAN'S ESSAY CONTEST

Radio Japan is prepared to invite three persons to Japan in February 1972. This contest is cosponsored with the Organizing Committee for the Sapporo Winter Olympics and backed up by Japan Airlines. All overseas listeners of Radio Japan are eligible to submit an essay, and the authors of three winning essays are to be invited here for 8 days in February to see Japan, including the Winter Olympics, Sapporo. The round-trip to and from Japan will be on Japan Airlines plane, entirely free of charge.

The terms of contest are as follows.

- A. "This is what I think of Japan (or Japanese)".
- B. "My anticipations for the 11th Olympic Winter Games, Sapporo 1972".

One title is to be selected for your essay from the above two. It is also permissible for one person to enter two essays under both titles. The language used should be one of the 23 now used in Radio Japan's broadcasting.

The length of the manuscript should be as indicated in the following table.

<u>LANGUAGE</u>	<u>LENGTH OF ESSAY</u>
English	500 words
German	500 words
French	600 words
Italian	500 words
Swedish	500 words
Spanish	600 words
Portuguese	600 words

Essays to be sent to: NHK Overseas Broadcasting Service, Tokyo, Japan. Deadline: July 31, 1971.

Announcement of winning essays: The announcement will be broadcast during November 1971. At the same time, the winners will be informed of the fact directly. Announcement will also be made in the Radio Japan News.

Other Conditions: The manuscripts should contain your name, address, occupation, age and sex and the source of your information on the contest: For further information, the travelling expenses from the home of the winner to the airport where a Japan Airlines plane is available will be borne by the winner himself (herself). Every listener is cordially invited to take part in this essay contest.

Radio Japan News...via NASWA Hq.

* * *

THE RADIO DIARY OF DR. ERNESTO GUEVARA, M.D.
Part I

In July 1968 the pocketbook version of a diary kept by the late professional revolutionary Major Ernesto "Che" Guevara made its appearance on the newsstands. With some recent events in South America on my mind I decided to restudy this work and look into it for information which may have been glossed over during the first reading three years ago.

RADIO DIARY
(continued)

The book begins in November 1966 with Major Guevara and elements of his band arriving at a farm in the area he had selected for operations. The men set up base and go into a phase of intensive training. Several caves or bunkers are dug out for the storage of equipment including one for radio equipment and one for an electrical generator. (They lack gasoline to power the generator.)

In true Latin American style the composition of the guerrilla group leans strongly towards doctors, lawyers and there's a fair sprinkling of architects. Technicians and technical equipment are relegated to the back seat. There are at least three physicians but only one radio operator. The Diary is long on thoughts of political consideration but entries concerning technical equipment and operation have to be laboriously noted from only cursory mention.

It can be gathered that the group had complete surgical and dental field kits and a good supply of plasma, but hardly any medicines. Their weapons strangely enough were twentyfive year old World War II patterns with the easily jammed M-1 Carbine prominent. Nowhere do any AK-47 or any other modern pattern Russian weapons make an appearance even though by 1965 guerrilla groups in Asia and Africa were already fully equipped with these and others. They had a taperecorder for replaying coded messages which were taped off the air, probably from 'Numbers' stations by urban sympathizers at communications centers set up either in the city of Cochabamba or Santa Cruz (code name 'Manila') and then delivered by mail or messenger to the guerrillas in the field.

It can be quickly gathered that the men were untrained, unskilled and undisciplined and supremely careless with equipment. No one knew the terrain and no one had thought to bring maps. Out of a group of perhaps forty-two men only three knew the Indian languages so necessary in the Andean highlands. The unhandiness of the men was such that within the first month much of the equipment including a jeep had been made unservicable.

Apparently there were several radio receivers and possibly as many as three or four transmitters, these, however, had a range of only about forty miles. Major Guevara mulls over ideas for establishing guerilla groups with radio contacts in Peru and considers smuggling transmitting equipment across Lake Titicaca to Puno, but these plans do not reach fruition.

At the main base what appears to be a powerful transmitter is installed in an artificially created and carefully camouflaged cave. During the rains in January the radio technician fails to care for the installation with the result that (entry of January 11th, 1967): "...my books were wet, some were ruined and the radio equipment was wet and rusted. Adding this to the fact the two radios are broken shows a sad view of Arturo's aptitudes..." Word was sent out requesting replacements for the units and January 26th it's noted that "...More powerful radios will come for transmitting..." In March '67 another radio operator arrives apparently to replace the helpless Arturo.

In March '67 the guerrilla makes their move. On March 23rd a section of the Army falls into ambush and among the resulting booty two radios are captured. Whether they're receivers or transmitters remains obscure.

There are almost daily notations about news broadcasts heard on the radio although only very infrequently is the name of the station or its location mentioned. Named are Radio Havana, Radio La Cruz del Sur, Siglo XX, The Argentine Radio (RAE), Radio Presidente Balmaceda, Radio Altiplano and the VOA. Noted is a station from Santa Cruz, probably Radio Pirai. The veracity of newscasts is almost always subject to doubt as this entry from April 12th, 1967: "...The radio gave an official communique of 'A new and bloody clash' and speaks of nine Army deaths and four 'Confirmed' deaths on our side. A Chilean newspaperman made a detailed account of our old camp, claiming to have found a photo of me, without a beard and with a pipe. (The guerrillas had a camera and sent their films out for processing). An investigation should be made to

RADIO DIARY
(continued)

see how it was obtained. There is no proof that the upper cave has been located although there are some signs that it has been..."

Entry for June 12th: "...Another broadcast announces three more deaths, among them Inti, one of the guerrilla chiefs. They also announce the foreign composition of the guerrilla; 17 Cubans, 14 Brazilians, 4 Argentinians, 3 Peruvians. It is necessary to find out where they got the information, the number of Cubans and Peruvians is correct ..."

Entry on July 12th: "...Now the radio is giving different news, the most important part seems to be true. A combat on the Iquira is mentioned, claiming one dead on our part whose body they took to Lagunillas. The euphoria about the corpse shows that there is some truth in the matter..."

George Schnabel

The second and final part of this article will appear in the August edition of FRENDX. Look for it!

* * *

BOOK REPORT: SWL ANTENNA CONSTRUCTION PROJECTS
Edward M. Noll

This SAMS publication #20706 is the book I have been looking for for a long time. The book is broken up into two parts, Antenna Basics and Antenna Topics. As an Electronic Engineer even I am confused by the mathematical equations often found in Antenna books. Mr. Noll uses simple equations and drawings to explain the basics of propagation and antennas.

Part two, Antenna Topics, contains sensitivity drawings and dimensions for thirty six different receiving antennas. These include dipoles, verticals, horizontal beams, triangles, long wires and indoor antennas. There are many antennas that I would like to build after reading this book but number one on my list is a "Switchable-Beam SWL Vertical Antenna." By installing three quarter-wave vertical antennas with separate ground systems in an array, you can control the maximum sensitivity direction through 360° in 30° steps.

I'm sure you have read antenna construction books before and didn't build anything because you didn't have enough room, didn't have enough money or felt the antenna was too complicated. I can't see how that can happen with this book. After you build your antenna, Appendix A and Appendix B show you how to make an antenna bridge and how to use it to measure the resonant frequency and resistance of your antenna.

Even if you don't build an antenna after reading this book, for \$2.95 you will have an excellent reference book.

Review by Steven P. d'Adolf

* * *

A FEW TIPS ON DXING THE STATIONS OF THE ZAMBEZI RIVER
Dan Ferguson

Having no entries in the contest announced in the May 1971 FRENDX, Charlie Loudenboomer, not wanting to let the NASWA membership do without all the information in the book which was to have been the prize, has given me a few of the tips contained therein. With pleasure I pass them along to all the boat owners in NASWA.

Radio Clube do Moxico, Luso, Moxico Province, Angola, is the first station we find. The station is on a tributary of the Luena River, which empties into the Zambezi in the eastern portion of Moxico, north of Zambia. R. Clube do Moxoci operates on 5192 kHz,

STATIONS OF ZAMBEZI
(continued)

and has been noted to sign off around 2300. North American listeners should try for this one during the winter months. Further down the Zambezi we find no shortwave stations until we reach Kafue, Zambia. A few miles north of Kafue is Lusaka, the site of Radio Zambia. This station is most often reported in North America on 3346 kHz, around 0300 s/on, to past 0430. Again the winter months provide the best chance for hearing this one. And you have to be a bit patient, waiting for a good opening. Continuing down the Zambezi, all the way to the Indian Ocean, we find no more shortwave stations. However, Blantyre, Malawi, lies near the Shire River, which empties into the Zambezi in Mozambique, about 80 miles from the Indian Ocean. Radio Malawi operates shortwave transmitters on 3360 kHz and 5995 kHz. The transmitter on 5995 kHz signs on at 0530 GMT, but is inaudible due to the VOA-Greenville transmitter on the same frequency, with 250 kw power. The Radio Malawi transmitter on 3380 kHz was noted several times last winter in the 0300-0400 time slot. The station operates later than 0400, but is best heard 0500-0530. This is another one you have to work for, the first job being to get by Radio Chortis, Gwatemala, on the same frequency.

All of these stations require some patience and work to hear, but they can be heard in North America. When you hear them, be sure to report your loggings to the Log Report section of Friendx.

* * * * *

"TRYBUNA LUDU": RADIO FREE EUROPE COLLABORATES WITH ZIONISTS"

A "new accent" now was added to the Polish agitation against "Radio Free Europe" - the "removal of the US radio station from the territory of the Federal Republic" has been demanded for months - when the Polish party organ "Trybuna Ludu" asserted that the said radio station was "collaborating with Zionist organizations" and provided propagandistic support to the "attitude hostile to peace" of the Israeli Government.

It is most significant that the official propaganda of the Warsaw regime now is trying to exploit the anti-Semitic trends in the Polish People's Republic in this way, aiming at thus dissuading the Polish public from listening to the Polish-language broadcasts of Radio Free Europe.

Expellee Press Service....via
Richard Anderson

* * * * *

HELLO MOSCOW

Holland and Russia are getting to know each other better. A series of programmes is to be exchanged between Radio Moscow and The Netherlands Broadcasting Foundation. First programme will be an exchange between Amsterdam and Moscow, broadcast simultaneously in the two countries. It will open with speeches from both mayors and will go on to describe the two cities with music, information bulletins and a quiz.

Further city exchanges are planned - between Rotterdam and Leningrad and between Maastricht and Volgograd.

Holland Herald via Richard Anderson

* * * * *

Coming attractions in future editions....a report on the Radio North Sea International fire, Barry Williams Pages from the Past,....a discussion on so-called "official" country listings....a trip to the Malagasy Republic....and more. See you then?



NEWSROOM

ANTHONY MARKS, EDITOR
H. MICHLENKA, ASST. ED.
POST OFFICE BOX 521
LAGRANDE, OR. 97850

Deadline 15th of Mon.

U.S.A., Washington, D.C.

More on Radio Free Europe:

Broadcasts from Eastern Europe lately have been condemning rather strongly the RFE/RL stations and even scoffing at the new legislation that would eliminate CIA affiliation. Poland went so far as to file a formal diplomatic protest with the U.S. embassy in Warsaw concerning the operations of RFE. (LM)

Long Island Press, 23 May, 1971,

UPI: "The Nixon Administration has agreed to end the process by which the CIA funneled \$30 million a year to two radio stations which beam news and propaganda to Eastern Europe, it was announced yesterday. Instead, the administration will ask Congress to approve a public subsidy of about \$40 million for the stations, Radio Free Europe and Radio Liberty. The stations posed as privately supported non-profit operations until last January 25, when Senator Clifford P. Case, R-NJ, in a speech which embarrassed the State Department, disclosed that the CIA had been the source of almost all their (RFE/RL) funds for years. (JB)

Concerning VOA, again from the Long Island Press, on 30 May, 1971.

"Seventy-three Congressmen have called for the U.S. Information Agency to reverse current policy and begin broadcasting in Yiddish to the Jews of the Soviet Union via the VOA, which currently transmits in seven languages to the USSR, of which 11 hours daily are in Russian. Instead of adding Yiddish as another language beamed to the USSR, the VOA plans to begin next year broadcasts in Uzbek." (JB)

CANADA, Montreal

Radio Canada International has announced that it will begin test transmissions in Japanese and English beamed to Japan on 06 June, 1971, at 10:00, on 11720/15275. (CBC via JB)

Languages will be Japanese, English, and French, 10:00-11:00. (RW)

DOMINICAN REPUBLIC, Santo Domingo

According to César Obji o, both SW transmitters of Radio Television Dominicana (the strongest Dominican station -ed.), formerly on 6090/9505, are off the air. This is due to negligence, not a policy decision. (RW)

Onda Musical is now transmitting on 4790, ex-4795, with no appreciable change in signal quality. (LM)

GUATEMALA, Guatemala

(Cf. NR-2 JUNE) Radio Cultural EE sked correct as given first, as per listening, the second listing being incorrectly computed. (LM)

This being: EE 00:45-04:00 Mn (GMT date - our Sn) only, 03:00-04:30 Ts-Sn (GMT); TGNA 5955 w/10 kw, and TGNB 9505 w/5 kw. Spanish is 12:00-14:30, 18:30-00:45 Sn (Mn GMT) only, 11:00-03:00 w/EE s/on, Ts-Sn (GMT) (SD)

EGYPT (UAR), Cairo

(Cf. NR-2 JUNE) Radio Cairo testing to NA on 11630 w/corrected times: 01:00-01:45 in French and 01:45-02:45 in Arabic. (RW, LM)

VATICAN STATE, Vatican City

Vatican Radio summer sked of broadcasting for NA at 00:50 dailey uses 9615/11725/15420 (mf), this is EE. FF follows at 01:10. (VR via EI) 15420 now scheduled regularly, EE 00:50-01:05, FF 01:10-01:25 to NA; // 9615/11725. However, SS: 00:30-00:45, formerly on same JRG as EE/FF, is now on 15115 // others. 15420 switched to 15425 for a few days around 06 June, then back to 15420; further noted that 9615 is irregular. (RW)

ROUMANIA, Bucharest

(Cf. NR-1 June) Radio Bucharest has dropped 6150/6190 for summer, replacing with 11885V and 15250; this to Americas 23:00-05:00. (RW)

GREAT BRITAIN, London

Concerning the BBC Monitoring Service (Cf. NR-4 JUNE), I received the following letter from Alan Thompson, Glamorgan, Great Britain: "----they confirm that they do NOT issue anything like 'band monitoring results for any band'. What they do issue is daily, weekly, and monthly summaries of what (program-wise) they have heard on the various stations; they are not concerned with issuing the details of what stations are on what frequencies. - - - They are concerned with what the world is saying and not where on the SW spectrum it has been heard."

MEXICO, Mexico City

Radio Tricolor (Cf. NR-1 DEC), 11880 (XEHH) and 15110 (XERR), has been inactive for some three months. Now, XEWW, (La Voz de la América Latina) 6165 and 9515, is frequently noted off the air. Better hurry and get verifications from all Mexico City stations before XERRX becomes the sole voice of the Aztec City. (RW)

JAPAN, Tokyo

NHK to NA/LA, 01:00-03:00, has moved from 17725 to 17745, 15235/17825/21640 still //; a senseless move as Radio Peking is also noted on 17745 in SS to LA at same time. (RW)

PORTUGAL, Lisbon

Speaking of senseless decisions, Radio Portugal has dropped it's best frequency to NA, 15125, w/EE 02:00-02:45 and 03:45-04:30, just when high-frequency operation is at it's best (the Northern Hemisphere summer). Weaker, RM-prone, 6025 and 11935 remain. (RW)

BRUNEI, Brunei

Sked on SL: 4865 (Berakas w/10 kw); 10:00-12:15 Malay, 12:15-12:30 Iban/Dusun, 12:30-14:30 Malay, 22:30-01:00 Malay, 01:00-02:00 Chinese, 02:00-04:30 English, 04:30-06:00 Malay. 7215 (Tutong w/10 kw); 08:00-11:00 Chinese, 11:00-12:00 Ghurka Forces Scene, 12:00-14:30 English, 22:00-00:30 English. (AS/HM)

DX CALENDAR FOR AUGUST

01 Dahomey Independence - 1960
 03 Niger Independence - 1960
 05 Upper Volta Ind. - 1960
 Latvia Incorporation - 1940
 06 Estonia Incorporation - 1940
 07 Ivory Coast Ind. - 1960
 09 Singapore Ind. - 1965
 11 Chad Independence - 1960
 13 C. Africa Republic Ind. - 1966
 14 Paraguay Independence - 1811
 Pakistan Independence - 1947
 17 Gabon Independence - 1960
 Indonesia Ind. - 1945
 21 Afghanistan Ind. - 1952
 25 Uruguay Ind. - 1828
 August is the best month to hear special broadcasts/programs of celebration. (HM)

IVORY COAST, Abidjan

AS has received SL from this semi-difficult station to verify in answer to his eighth report. He has been reporting in French, but they now are excepting reports in English, and are asking for reports on 11920 JRG. (AS/HM)

SWITZERLAND, Berne

(Cf. NR-1 JUNE) sked printed incorrectly shows 15305 in use for 01:30-02:00 EE transmission, should be 15235. (LM)

LEBANON, Beirut

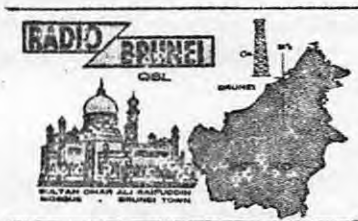
11970V is still in use to NA 01:30-04:00 (Cf. NR-2 JUNE), drifts badly. (RW)
 Irregular nf of Radio Beirut is 11980 w/EE ECNA 02:30-03:00. (LM)

INDONESIA, Djakarta

EE 11:00-12:00 11720.7, ex-9585, fair ECNA w/garbled speech from the Voice of Indonesia. (LM)

There is only these two pages this month; many thanks to those who contribute:

LM = Larry Magne, PA
 JB = John Banta, NY
 RW = Richard E. Wood, LA
 SD = Steven d'Adolf, MA
 EI = Edward J. Insinger, NJ
 HM = Henry J. A. Michalenka, RI
 AS = Alvin Sizer, CT
 ML = Mitchell Lewis, NC
 SH = Steven J. Handler, IL



QSL REPORT

Gregg A. Calkin - Editor

Gerry L. Dexter
(Temporary)

Deadline 15th of Month

* * * * *

(Note: Reports received at Hqds were all forwarded to Gerry. A number arrived too late to be included this month, thus will be used next month; Do not submit duplicate reports! Those reports for JULY may be sent direct to Gerry...see below...or to Hqds. Reports for Auptember should/must be sent only to Hqds only. Deadline August 15th. B.E. Temporary Editor: Gerry L. Dexter, Rt. 1, Maple Rd., Lake Geneva, Wis. 53147

Deadline for August: July 15. Later reports should be sent to NASWA Hqds.

* * * * *

Afghanistan: Radio Kabul, 11.790, registered card in 2 months via airmail, full data. Sent report registerd, card shows drawing of Bhudda and map of country. (Lobdell)

Albania: Radio Tirana, 9.490, folder type card with date, time, meterband and verie statement, also magazine, registered in 115 days, no IRCs (Watman). 7.300 in 15 weeks via air for 3 IRCs, also magazine (Badger).

Angola: Radio Clube do Huambo, 5.060, card in 15 days, airmail for mint stamps after follow-up (Dexter).

Radio Clube do Cuanza Sul, 4.840, card in 16 days, airmail for mint stamps after follow-up (Dexter).

Argentina: RAE, 11.710, blue-green global card, no QSL info, 3 months (Schnur), globe card in 70 days for 9.690 for second report (Watman), card via sea with frequency only, 18½ weeks (Wackerman), green map card for 11.710 in 7 weeks for IRC (Bruce).

Ascension Island: BBC Atlantic Relay, 9.510, Thames card with site typed in, 6 weeks for 2 IRCs (Mohr).

Asiatic Russia: Radio Moscow, 11.690 via Blagoveschensk, North American Service, 60 days (Watman).

Australia: Radio Australia, 30th anniversary color card of transmitter site for 11.765, Shepperton. 3 weeks for 3 IRCCs, Radio Australia magazine, postcards followed (Badger), 21.74 via surface mail (Dickey), 17.795 Darwin anniversary card in 1 month, air (Isinger), blue postcard map card for VLW-15, 15.425 in 13 weeks airmail (Isinger), 3 months seamail, no IRCs, 15.160 (Patterson). VLH9, Melbourne, 9.680 ABC map card in 2½ months, VLW9, Perth, 9.610, West Australia map card, 2½ months (Bruce). VNG-Lyndhurst, 12.000, folder card in 12 days, full details, IRCs returned (Bruce).

Austria: Austrian Radio, 7.245, card with full data, also sked, 2 months, seamail, no IRCs (Patterson). 6 weeks airmail for 15.200 (Isinger), 6.155 full color card of Austrian Tirol, report form, sched, Austria Calling magazine, personal letter, 3 weeks for 3 IRCs (Badger).

Azores: Emissora Regional, 4.865, ship card with full details in 34 days, NASWA Portuguese form used, sent via Ponta Delgada, received from Lisbon, (Watman)

Brazil: Radiodifusora Teresina, 4.845, letter and 2 pennants from Maria de Jesus Borges d'Almeida, pelo Diretor, registered airmail for SASE in 3 weeks. (Field) Radio Clube de Goiania, 11.735, Portuguese letter for PP report form, registered airmail in 20 days. Signer: Jose M. de Oliveira Diretor (Lobdell)

Bulgaria: Radio Sofia, full color card of Sofia University with sked for 9.700, 4 weeks, air for 3 IRCs, 3 months latter a Martenitaas "good health" folding color card (Badger), full data, 2 months seamail for 9.700, no IRCs (Patterson).

Byelorussia: Radio Moscow, 5.920, via Orsha to Great Britain and Ireland, 68 days (Watman), North American Service via Minsk, 9.655, 5 weeks airmail for 1 IRC (Mohr).
Canada: CKZN, 6.160 St. John's Nfld., Domestic service card with full data, 9 days air for 1 - 6 cent Canadian stamp, signer: J. Heaney (Mohr).

CFVP, 6.030, full data card in 40 days, no IRCs (Patterson).

Radio Canada, 9.625, usual Anik card in 1 month, full data, no IRC's (Lobdell). Satellite card in 7 weeks for 15.320 (Bruce), 11.715 in 3 wks (Isinger).

Canary Islands: RNE, 15.365, letter with full data in 1 month, reported in SS, no IRCs (Patterson), 11 days with color picture of studio, list of frequencies and services for mint stamps (Schnur), 11.800 card in 5 weeks, mailed open (Marks).

China: (People's Rep. of) Radio Peking, 15.060 sent 3 pounds of literature!

Magazines, portraits of Mao, 6 different QSL cards. No details, 3 months seammil, no IRCs (Patterson).

Colombia: Emissora Kennedy, 4.775, letter, folder on station, newspaper clipping with report printed in it, signed by Jose Vincente Echeverri, Director, SASE not used, 11 days after 3rd try (Field).

Radio Santa Fe, 4.965, 2 months airmail for mint stamps, Replied in EE with postcard QSL and pennant, signer: L. de Bernal (Hailpern).

Radio Nacional, 4.955, card with date and thank you statement after 68 days, 1 IRC and NASWA Spanish Form (Watman). 32 days airmail (Dickey).

Radio Vision, 6.105, letter in one month for SASE (Field).

La Voz del Caqueta, 5.035, postcard with date and confirmation statement signed by H. Arce H., Ing., 20 days (Wood).

Transmissora Caldas, 5.020, letter with verie statement and pennant in 12 days for mint stamps. Signer: Ignacio Escobar Uribe (Hailpern).

Congo Republic: ORTF Relay Brazzaville, 15.190, folder card with full data in 10 weeks for 2 IRCs (Mohr).

Costa Rica: TIFC, 9.645, card with full data, reported in Spanish, no IRCs (Patterson). Full data card in SS/EE, 5 weeks airmail for 2 IRCs (Mohr).

Cuba: Radio Habana, 9.525, multi-colored card with dove-glove symbol, also form letter with verie statement and literature, airmail in 177 days (Watman), 4 months, no IRCs (Patterson), 9.665 11 weeks airmail, letter and schedule (Isinger).

Czechoslovakia: Radio Prague, 5.930, calendar card and sked, a month later QSL card with full data, 3 months, no IRCs (Patterson), 7.345, info on Monitor Club and sked in 4 weeks for 3 IRCs, color QSL of Prague rooftops a month later (Badger). 5.930, card in 1 month, airmail (Maslak), 7.345 card in 40 days and 33 days (Dickey) 29 days for 15.445 (Dickey).

Dodecanese Islands: VOA Rhodes, 7.110, blue star card in 4 days from Washington (Mohr), 8 days (Wackerman).

Dominican Republic: Radio Cristal, 5.070, letter from Elizardo A. Dickson N., Director via airmail in 6 weeks for SASE (Field).

Radio Libertad, 3.225, postcard photo of houses on shore, incomplete verie statement, signed by Lucia Vanderhorst, 14 days, mint stamps (misplaced credit on this one -- sorry, Ed)

La Voz de las Fuerzas Armadas, 4.825, map card in 2½ months, plus pennant and booklet for Spanish report and mint stamps (Lobdell), 83 days for map card, pennant and travel book, surface mail, 1 IRC, (Watman).

Ecuador: Radio Vision de Mante, 6.140, card and letter plus stamps, signed by Enrique Mero Lopez, gefe del Dept. of Production, 1 month airmail for SASE which was not used. 3rd try (Field).

HCJB, schedule and 4 color postcards for 4 reports, also audience survey questionnaire, religious literature and station info, 6 weeks, 3 IRCs, (Badger). 17.880, program schedule, calendar and QSL from R.C. More (Dickey), card showing stereo control room, full data, mint stamps used, for 11.745 (Lobdell), card showing HCJB compound at night, 100 days for 2 IRCs, also a little doll and stamps. Say need 3 IRCs for airmail reply (Brook). 45 days for 15.115 (Dickey).

Escuelas Radiofonicas Populares, 3.985, letter from Padre Ruben Valez, Director, via airmail. SASE not used (Field).

Rdif. Jesus del Gran Poder, 5.070, letter from M. Fernandez, o.f.m., also 3 picture postcards, packet of stamps, clipping from booklet about the convent, color movie frame showing Convent and QSL type card. 6 weeks after follow-up (Dexter)

El Salvador: Radio Nacional, 9.555, card lacking frequency, 2 months, seamaile, no IRCs (Patterson).

European Russia: Radio Moscow, 6.200, via Kazan, North American Service, 68 days; 11.790 via Moscow with SE Asia service, 38 days (Watman).

Finland: FBC-Helsinki, 9.525, 9.550, 11.185, separate cards with full data for IRCs and tapes, 3 to 8 weeks (Lobdell). 9.585 full verie statement on card with picture of Finland and earphones, 2 IRCs, 20 days (Brook). 2 months, airmail, also sked (Isinger).

France: ORTF-Paris, 21.580, photo card of ORTF building, full verie info, 2½ months no IRCs (Lobdell), 15.295 full data card, 4 months, no IRCs (Patterson). Picture postcard with hand-written QSL from English section, 59 days airmail, apologizing for delay, also two skeds. 6.175 (Leonard).

Gabon: RTV Gabonaise, 4.777, card with full data, airmail in 1 month for NASWA French form and IRC (Watman), 3 weeks for mint stamps, date and time only (Grishin) Full data for English report and 2 IRCs (Smallshaw).

Gambia: Radio Gambia, 4.820, letter with verie statement only, plus data on station and country, 2½ weeks for mint stamps. Signer: J. Sojstonafet (?) (Grishin), 2 months for form letter and note that sked would follow, 2 IRCs (Field).

Georgia: Radio Moscow via Tbilisi, African Service, 60 days, 11.820 (Watman).

Germany, East: RBI, 9.730, card in 2 months, also letter saying report for R. Peyk y Iran could not be forwarded as they did not have the address. Suggested checking WRTH! (Field), brown and yellow drawbridge card in 48 days, seamaile, no IRCs (Dildine), 9 weeks surface (Isinger), 9.560 card in 49 days, airmail (Maslak)

Germany, West: Deutsche Welle, 9.735, blue card of Europe in 155 days (Brook), 6.145, aerogram and Koln QSL card in 50 days (Hailpern), 3 months seamaile, full data, no IRCs (Patterson).

RFE, 11.725, blue and white card in 19 days. Date only. SASE and report to New York (Dildine).

Sudwestfunk, 7.265, card and 2 postcards in 1 month, airmail, for 1 IRC (Field).

Ghana: Radio Ghana, 4.915, card, map, pennant, hand written letter from Seth Asare via airmail for 1 IRC (Field), 24 days and form letter for 11.850, said card to follow (Dickey), 30 days for 2 IRCs (Brook), receipt acknowledgement of my reports and letter in 3 weeks, QSL card and antenna info and sched in 3 weeks for 3 IRCs, 9.545 (Badger) Card and schedule for 4.915 in 51 days seamaile, acknowledgement letter preceeded card, full verie, 3 IRCs (Dildine), 2 IRCs, 1½ months, full verie card (Smallshaw).

Greece: Hellenic National Broadcasting Institute, Athans, 15.345, letter and sked. 2 IRCs, airmail (Field).

VOA-Thessaloniki, 11.960, blue star card, 8 days from Washington (Mohr).

Guatemala: TGNA, 5.955 Quetzal card, all data, 13 days airmail for 2 IRCs (Mohr), card in 2 months seamaile, no IRCs (Patterson), 9.505 1 month, letter and sked. (Isinger), 3 weeks with full data for 2 IRCs (Grishin).

Haiti: 4VEJ 11.835, white and red folder card in 1 month for stamps (Brook)

4VWI, 15.280, folder card with schedule and literature, full verie, 350w. 3 IRCs (Dildine).

4VEH, 9.770 folder card in 2 months for 2 IRCs, all data (Hird).

Hawaii: WWVH, Maui, 15.000, beach scene folder card in 11 days, returned 6 cent stamp (Mohr), 8 days (Brook).

Honduras: Radio Progresso, 4.920, letter in Spanish, and handwritten English letter from Jerry E. Tolle, Gerente, via air, SASE sent but not used (Field).

HRVC, 4.820, card in 2 months, full data, no IRCs (Patterson) 2 weeks, 2 IRCs, via airmail (Mohr), card in 5 weeks for 2 IRCs via airmail (Grishin), airmail for 3 IRCs (Wackerman).

Radio Lux, 4.891, airmail letter from Jorge Rivera V. 3½ weeks, 6th try (Dexter).

Hungary: Radio Budapest, 9.833, 23 to 34 days for 4 reports (Dickey), card in 2 months, seamaile, full data, no IRCs (Patterson), 6.165 card in 55 days seamaile no IRCs (Dildine).

Indonesia: RRI, Palembang, Sumatra), 4.855, detailed, well-written letter in English, 1 month, airmail, also local postcard, for NASWA Indonesian form and tape, mint stamps and registered. Signer: Slamet-Poedjono, Director (Lobdell).
International Waters: RNI, 6.205, card in 6 weeks after 4th try, 3 IRCs (Field). Color photo card of Mebo II, 11 weeks, no details (Dexter), 2 IRCs, 3rd try, 43 days for Mebo card, no details (Watman).
Israel: Kol Israel, 9.009, 17th century view of Jerusalem card, Roger's Plan info, personal letter, copy of Jerusalem Post in 48 days, airmail for 3 IRCs (Dildine), 9.625 card and schedule in 6 weeks, airmail (Isinger), card, schedule, literature on Roger's Plan, magazine in 5 weeks for 3 IRCs (Badger).
Italy: IBF-Turin, 5.000, white clock card with full details, 12 days, 1 IRC (Bruce)
Ivory Coast: Radio Abidjan, 11.920 sent card with incorrect details, plus short, friendly note for IRC in 38 days. Second try (Watman), full data card in FF with cordial EE message, reported in English, 1 month, airmail, 3 IRCs (Mohr), card in 40 days seamail, full data, 1 IRC (Patterson), 3 IRCs, 19 weeks, full details (Bruce), map of Africa card, 3 weeks airmail for mint stamps (Grishin).
Japan: NIK, 17.825, Expo 70 card, schedule, report form and newspaper, airmail in 8 weeks (Wackerman), 15.105, card, schedule, log sheet, calendar in 26 days air (Dickey), 21.640, card, paper, sked and log sheet, airmail, 17 days (Dickey), 9.505, 1 month, airmail, Japanese Festivals QSL, application for R. Japan Club and questionnaire (Hailpern), card and schedule in 2 months, airmail, full data, no IRCs (Patterson), 35th anniversary folder card, airmail 19 days, all data except time (Lobdell).
NSB, Tokyo, 9.595, card with microphone drawing, airmail, 10 days for 2 IRCs and tape, full data, Schedule also sent (Lobdell).
Kuwait: Radio Kuwait, 11.825, folder card in 3 months, no IRCs (Grishin), folder card and schedule sent airmail for 3 IRCs in 25 days. Name and address were badly misspelled, a wonder it got to me (Wackerman).
Korea, South: VOFK, Seoul, 15.430, Mask card but info not filled in, 38 days airmail with schedule for 3 IRCs (Dildine).
Lebanon: Radio Lebanon, 11.810, card with full data, mis-stated frequency, 3½ months, no IRCs (Lobdell), 11.780, card showing drawing of studio building, also schedule via seamail (Hird), 4 months and 5 days, registered seamail (Wackerman).
Liberia: ELWA, 15.170, drummer card in 37 days seamail for 1 IRC, full data, (Dildine), 11.975, drummer card and pamphlets, 3 IRCs, sent second class airmail (Schnur).
VOA-Monrovia, 11.740, card in 6 days from Washington (Mohr)
Lithuania: Radio Moscow via Kaunas with African Service, 11.870, 62 days (Watman).
Luxembourg: Radio Luxembourg, 6.090, antenna card in 2 months (Hird), via Seamail in 70 days, 2 IRCs (Leonard), 25 days seamail (Wackerman).
Mexico: XERMEX, Radio Mexico, 21.705, letter, pennant, rgst. (Dickey), 21.705 non-specific form letter, pennant, registered for English report and 1 IRC, also included frequency and schedule sheet, signer: Arnaldo Martinez Gonzalez, El Gerente General (Mohr), letter and pennant, registered in 5 months for 11.720 (Hurst).
Monaco: TWR, 7.290, antenna card in 2½ months airmail, no IRCs (Grishin).
Morocco: RIM, 6.170, Sebba-Aioun, folder card with vague, handwritten English statement for English report and small U.S. flag (Smallshaw).
Mozambique: RCM, 11.780, Portuguese/English card showing view of studio building, frequency only, 22 days airmail for 2 IRCs (Mohr), street scene card in 1½ months for 3 IRCs (Brook).
Netherlands Antilles: Radio Nederland, Bonaire, 9.715 card via airmail, 31 days (Dickey), world time zone card in 9 days for 11.730 and 9.715, 3 IRCs, schedules magazines, greeting card and personal note 4 weeks later (Badger).
TWR, 15.345, card with full data in 3 months seamail, no IRCs (Patterson). 11.815, card in 7 weeks, full details, 2 IRCs (Bruce).
New Caledonia: Radio Noumea, 7.170, card with full data in 3 weeks airmail for 3 IRCs, reported in English (Mohr), 4.913, card airmail in 11 days for tape and 2 IRCs (Lobdell).

New Zealand: Radio New Zealand, 15.280, gray and blue card in 160 days for mint stamps (Brook). 11.780, card and schedule, 2 months, seamaill, (Patterson), 9 weeks with schedules, tourist info and Tiki charm, 3 IRCs, airmail (Badger), 2½ months seamaill, no IRCs (Lobdell).

Nicaragua: Radio Nacional, 11.875, postcard with verie message, via airmail in 2½ months, Spanish report and mint stamps used. Signer: Tacho Sanchez Diaz, (Lobdell).

Nigeria: NBC-Lagos, 7.275, card, full data, 1 month airmail for 1 IRC (Patterson).

Norway: Radio Norway, 21.730, card via airmail (Dickey), 9.645, Royal Palace view card in 57 days, seamaill. Also schedule and station info, no IRCs (Dildine), seperate cards for 11.735, 15.345, 17.795, 21.670, full data, 11 to 20 days. IRCs and tape sent (Lobdell).

Papua: Radio Kerema, VL8BK, 3.245, standard folder type card in 1 month signed by P.C. Pennington, Station Manager, airmail for 2 IRCs, 250 watts (Field) (Excellent Marlin, Ed).

ABC, Port Morseby, 4.890, Domestic Service card with full data in 5 weeks for 3 IRCs. Report sent to, and received from Boroko (Mohr), 25 days for stamps (Brook), 1 month, no IRCs (Grishin).

Philippines: VOA-Poro (listed), 9.555, 15.155, 2 cards for seperate reports in 7 and 17 days. Would not state whether Poro or Tinang (Lobdell).

Portugal: Radio Portugal, 6.025, large map card and schedule in 2 months, seamaill, full data, no IRCs (Patterson), 11.935 map card, listener's magazine and schedules, 2 weeks for 3 IRCs (Badger).

RFE-Lisbon, 6.105 card and letter in 1 week from New York City address, returned IRCs, no site given (Field).

Roumania: Radio Bucharest, 6.150, folk instrument card in 47 days air, plus listener's club info, schedule, report form, form letter. No IRCs (Dildine), red, white and blue card and pin by registered airmail in 40 days for 2 IRCs. Says they do not require IRCs (Brook).

Rwanda: Deutsche Welle, Kigali, 15.380, Africa map card from Koln and schedule in 99 days via airmail for 1 IRC (Watman).

Ryuku Islands: VOA-Okinawa, 7.215, regular card, 10 days (Brook).

Saudi Arabia: Saudi Arabian Broadcasting, 11.855, black, white and green card, 6 months, airmail, from Werner Storg, Chief Engineer. Mint stamps used. Storg used personal return address: P.O. Box 2746, Riyadh, Saudi Arabia. This might be the best address to use for reports (Leonard). Card in 6 months airmail for 2 IRCs from Storg, mint stamps used (Hailpern).

Seychelles: FEBA, 15.265, card with full details in 3 weeks for 3 IRCs (Bruce).

Sicily: RAI, Caltanissetta, 6.060, RAI card, full details, site specified, 2½ months for 1 IRC (Bruce), 16 weeks airmail for IRCs, site specified (Hurst).

Singapore: Radio Singapore, 11.940, card in 3 months seamaill, full data, no IRCs (Patterson).

Solomon Islands: SIBS, VQ07, 7.235, card with full details in 6 months, 3 IRCs (Hurst),

South Africa: Radio RSA, 11.875, colored abstract card of globe, 15 days, 3 IRCs, also some listener's magazines, greeting card and letter (Badger), 5.980, full data card, 17 days airmail, no IRCs (Lobdell), cards for 9.695, 9.705, 11.970 in 8 to 16 days, airmail (Dickey).

Springbok Radio, 6.195, card with full data in 1 month, airmail for 1 IRC (Patterson), 1 month air for 1 IRC (Field).

Spain: RNE, 6.140, 3 letters for 3 reports, also schedule, 12 days, 3 IRCs (Badger)

Sweden: Radio Sweden, Northern lights card for 5.990 in 12 days for U.S. mint stamps. Also DX club bulletins, antenna and receiver info, Radio Sweden stickers (Badger). 50 days airmail, full verie (Dildine). 11.970, 15.315, usual cards, full data, 19 and 15 days airmail, no IRCs (Lobdell).

Switzerland: SBC 6.120 card and schedule. 2 months, seamaill, full data, no IRCs (Patterson), card, listener magazine, report form and letter in 4 weeks for 3 IRCs (Badger), 3 months airmail (Isinger), also 1 month airmail, same frequency (Isinger).

Tahiti: Radio Tahiti, 11.825, mermaid card and schedule, full data in 3 weeks airmail for 3 IRCs (Grishin), 2 months seamail, no IRCs (Patterson), 17 days with schedule, for English report and 2 IRCs (Dildine).

Taiwan: VOFC, 15.125, 27 days for schedule, card, and monthly paper (Dickey), 17.890, 25 days for 2 IRCs (Brook), 15.125, 1 month with schedule, no IRCs (Grishin) 17.890, map card, 5 weeks airmail, 2 IRCs (Mohr), QSL card, post card and schedule in 7 weeks (Wackerman).

Tangier: VOA Relay, 7.220, standard VOA card in 9 days from Washington (Mohr) 14 days, 17.855 (Watman).

Togo: Radio Togo, 5.047, green and gray card in 1 month, no IRCs (Grishin), map card in 20 days for English Report and 2 IRCs (Smallshaw).

Tunisia: RTV Tunisienne, Tunis, 11.970, postcard of "La Kouba" and full data message on back. Airmail in 23 days for 2 IRCs and EE report (Lobdell)

Ukraine: Vinnitsa, 9.700 for NA service, Radio Moscow, 44 days. Also sent schedule Full verie, no IRCs (Dildine).

Ivano-Frankovsk, 9.760 for Radio Moscow NA service, 40 days airmail (Dildine).

United Arab Republic: Radio Cairo, 9.475, 175 days, mimeo letter for stamps (Brook) Mimeo letter, said new cards being printed, full data, 75 days, no IRCs (Patterson) 78 days plus schedule and letter requesting reports, also photos of ancient treasures, 1 IRC (Watman).

United States: VOA, Greenville, 11.760, card plus much info on VOA and note about Gilfer Associates and WRTH (Badger), 26.040, usual card, 7 days, (Lobdell), 15.280 10 days, no time shown, (Watman).

AFRTS via Bethany, 15.330, card and schedule in 35 days (Watman), 6 weeks, airmail with schedule (Isinger).

WWV, 15.000, QSL folder, 1 month (Isinger).

Naval Observatory, reports brought letter saying "Naval Stations do not send reply cards. SASEs returned plus info (Dildine) (Try prepared cards to Washington, or reports direct to stations, see addresses in this column..ED).

U.S.S.R.: Radio Moscow:

Serpukhov, 11.96, card in 2 months (Field)

Kazan, 6.200, card in 2 months (Field)

Lvov, 7.150 for NA service, 2 months (Field)

Sverdlovsk, 7.310, NA service, 2 months (Field)

Tula, 7.240, NA service, 2 months, (Field)

Nilolaevsk, 7.290, NA service (Field)

Armavir, 9.800, NA service, (Field)

Moscow, 9.640, NA service, (Field)

Note: Mrs. Stepanova now sends letter stating Radio Moscow's policy is now to confirm only transmitters being used for the North American Service. Others listed this month got in under the wire (or curtain). Mrs. S. notes too many reports being received and all cannot be checked. Field notes he also sent some reports to the LA service as Mrs. S. suggested, but received only 11.710 and 12.070, without sites listed. The party is apparently over fellows!

Uruguay: Radio El Espectador, 11.835, plain card with full data and pennant, via airmail in 1½ months for Spanish report and tape. Signer: Hector Amengual (Lobdell).

Uzbek: Radio Tashkent, blue card showing tower and map, plus postcard, schedule and stamps in two months (Wackerman).

Vatican: Vatican Radio, 6.130, card and personal letter from Chief Engineer in 6 months via airmail (Handler). 15.155, 18 days via airmail for 2 IRCs (Brindley), 3 weeks via airmail, 1 IRC (Isinger), 11.725 (Brooks), 9.615, 13 days (Dickey), 15.165, card of antenna and statue via airmail in 15 days, full data for IRC and tape (Lobdell), 3 weeks airmail for 11.725 (Isinger), 9.615, 15 days via seamail (Wackerman).

Venezuela: Radio Barquisimeto, 4.990, blue and white card, 15 days for stamps and English report (Brook), 21 days surface for English report and 2 IRCs (Leonard) 12 days for card (Marinoff), 9.510, 3 weeks (Flynn), 3 weeks airmail (Mohr).

Radio Yaracuy, 4.940, blue, green and white striped card via airmail in 2 months for mint stamps, full data. Signer: Luis Ortiz (Schnur).

Radio Juventud, 4.900, green, white card with date and frequency in 23 days seairmail, 3 IRCs for Spanish report (Wackerman).

YVTO time station, 6.100, prepared card, card from station and info, SASE not used (Field).

Radio Mara, 3.275, letter in 2 weeks signed by Amelia G. de Gainza, did not use SASE (Field).

Radio Maturin, 5.040, letter from R. Arreaza Alfaro, airmail in 3 weeks, SASE not used (Field).

Radio Nacional, 6.170, card and pennant sent registered mail, via air, SASE not used, 6 weeks (Field)

Vietnam, North: Voice of Vietnam, 15.018, verified with same card as VOV/RHC Relay via Czechoslovakia in 3 weeks, full verie with data typed in (Handler), 15.020, 134 days (Jones).

Windward Islands: WIBS, 11.970, green card, 3 months, 1 IRC (Marshall), 28th days via airmail, no IRCs (Dickey).

Yugoslavia: Beograd, 6.100, folder card with schedule, 2 months, via airmail, IRCs (Konen), 9.620, 27 days airmail, 3 IRCs (Johnson), 46 days airmail (Lewis), 6.100 3 months airmail, no IRCs (Howard), under 2 months, airmail (Wackerman).

101 countries represented this month gentlemen, which is not a bad showing considering the changing of mailing addresses for your reports and an earlier deadline this month. Apologies to those whose reports we missed. They'll be included next month. There is a chance the August deadline may have to be advanced a couple of days so it would be appreciated if you could get your reports in early.

We all should have the opportunity to edit a column such as this once in awhile so as to fully appreciate the work Gregg does for NASWA each month. It's a job, even for a relatively short section such as this one, this month.

Steven Handler of Evanston, Illinois informs us that QSLs for the U.S. Naval Observatory Time Service may be had, without using prepared cards, but direct from the individual Naval Stations. Here are the addresses:

U.S. Naval Radio Station NBA
Balboa, Canal Zone
USNAVRADSTAT Summit
Box 5007,
FPO, New York, 09580

(sends own verie card)

US. Naval Radio Station NPM
Officer in Charge
Radio Transmitting Facility
Iualualei,
FPO, San Francisco, California, 96612

HAWAII

(sends verie letter)

U.S. Naval Communications Station NPN
USNAVCOMSTA-Guam,
Marianas Islands,
FPO, San Francisco, California, 96630

(sends own card)

U.S. Naval Communications Station NSS
Officer in Charge
Annapolis, Maryland

U.S. Naval Radio Station (T) NPG
Officer in Charge
Transmitter Facility
Rt. 2, Box 1000
Dixon, California, 95620

MARE IS.

(own card and letter)



LOG REPORT

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Deadline 12th of the Month

- We'll get right into the reports and save a few comments for the end of the section.
- 2320 UNID 0050-0013 (? 0113?-DF) M voices in Dutch, slow fade cycle, EE pops, mention of Holland several times. Neth. Nat'l Anthem & abrupt s/off 0159. Ideas?(ECS) One first thinks of the radio ship De Hoop, but that not sked to be at sea, not on at this time when at sea, nor with these type pgms. S.Africa listed 2326, but even that seems highly unlikely. (LF)
- 3213 DOM.REP. R.Libertad 0430 w/EE & SS IDs, mood mx:(MXW)0440 soft mx, SS armts(LM)
- 3250 S.AFRICA SABC w/light mx, EE armts 0330(MSK)0420 lite mx:(DJ)
- 3255 VENEZUELA La Voz del Tigre 0109-0119 tune-out with LA music(MXW)
- 3278 MOZAMBIQUE LM "B" Pgm at fine lvl throught May, PP & EE armts, TCs, ads, pops. Big signals 0230 & later; QRN(RWP)
- 3284a FIJI R.Fiji, Hindi mx: 0655-0725(BBr)1000 S.Seas mx, definite ID in Fijian(?) for "Radio Fiji", OM w/armts in S.Pac. lingo; held to 1043 fadeout(HM)
- 3295 VENEZUELA R.Trujillo 0203* w/LA mx:(MXW)
- 3300 GRENADA WBS 0042 EE, still here, reducing possibility of hearing R.Belize(SPD) I'm not certain that R.Belize is still on the air(DF)
- 3322.5 BOUGAINVILLE RE 1100-1115 w/ID, TC, Pidgin armts, Island mx, mx:(?)(DW)
- 3346 ZAMBIA R.Zambia 0300 EE ID for Gen Svc, Afr mx, chants, pops, ads; het(RWP)
- 3355 VENEZUELA R.Valencia, mx, ads, IDs 0318 tune(GLD)
- 3355 DOM.REP. LV de la Romanay noted several times recently around 0130-0200 & later with clear IDs, contrary to the info given last month under 3600 kHz.(DF)
- 3364.8 DOM.REP. R.Exitos; 0450 classical mx, SS ID, 0456*, anthem(LM)
- 3377 UNID last hrd here 25 Mar 70. Seems not to be Indonesian or Peking, but am sure it is FE QTH. M&W voices 1220-1237 one AM only; very strong(JY)
- 3378T ECUADOR R.Iris; 0213 LA mx:(MXW)
- 3385 PAPUA R.Wewak; 1125-1140 light mx, Pudgin armts 1129, TC & ID 1130(DW)
- 3395 BRAZIL RC de Conquista, best Brazilian in 90 meter band w/mx, ID 0002(AVS) Yes, Al, your last report arrived too late to process(DF)-Was mailed in time, tho(DF)
- 3893U UNID SEA stn, Asian songs 1245, ID 1300 mentioned Malaysia or Indonesia, then mx in lang(BBr)
- 3905 INDONESIA UNID listed as Taj.Pinang; 1310-1330 tlk by Indo OM, tent. 1315 ID; pops 1320, tent. IDs 1329, mx:(?), could not get ID but did not sound like stn listed in WRTH(DW)
- 3910 JAPAN FEN, 1250 EE, records, mx: 1300, het(RWF)
- 3925 PAPUA ABC 0815-0832 t/o, EE, dance mx, ID & TC 0820, sports mx, QRN(DW)
- 3975T ECUADOR R.Sira, tentative, LA mx, ads, SS, no ID hrd, 1030(BBr)
- 3997 S.AFRICA Springbok Radio at 0315, DJ, ads, good lvl(GLD)
- 4500 AUSTRALIA VNG 1035 time pips (LM)
- 4682 ECUADOR R.Nac. Espejo, Ecuadorian Echoes 0520(AEM)
- 4720 CUBA R.Rebelde, 8 x: 590, must be Cuba here w/YL sing, M annc; Cuban rev mx. tlk by man, beyond WRTH list s/off; don't confuse Cape Verde 0710-0750(LM)
- 4734 ECUADOR R.Nac.Pregreso(tent); 0412-0425 Ec mx, some SS, tentative ID 0423(DW) 4737, LA & pop mx, off abruptly 0507(AEM)
- 4752 INDONESIA RRI Makasar 1145 mx & tlk by man(TDS)
- 4755 COLOMBIA R.Reloj; SS 0650-0900 LA mx, TCs, ID 0900, het(LM)Definite ID as "R. Reloj"???(DF)
- 4755.6 BRAZIL R.Maranhão PP 0845 LA mx:(LM)
- 4764.7 BRAZIL R.Santana 0847 PP LA mx, ID 0900 sounded more like Santana(Lid)
- 4765.3 CONGO(PR) RTC, Brazzaville; FF 0550, weak(LM)0450-0515 FF/Afr pgm(RWP)2010 Afr jazz, FFnx:(AEM)

- 4765.6 ECUADOR C.R.E., SS LA mx, ads, ID 0429(LM)0428 SS osngs, IDs(DJ)
- 4770 LIBERIA ELWA, EE ID, rel mx, mx: 0700(LM)
- 4777 GABON Libreville, s/on 0430 w/"LM", FF (RWP)FF HS w/YL tlk, Af mx: 0555(LM)jazz, ID 2230 (AEM)
- 4780 VENEZ LV de Carabobo, SS 0902, seems like s/on 0900, not 1000 as in WRTH(LM)
- 4790.1 DOM.REP. Onda Musical, NF ex: 4795, SS 0010-0431*(LM)0345 mx, ads, ID(RWP)0014 instr. mx:(SPD)0305-0402 t/o LA mx, ID 0400(JDT)
- 4795 ANGOLA R.Comercial, PP ID 1915 (AEM)
- 4800 VENEZ R.Lara 2314 SS mx:(MXW)
- 4805.2 BRAZIL RD de Amazonas probably the Brazilian here w/PP LA mx, man w/sports or some such, no IDs, 0320, 0940(LM)
- 4814.8 UPPER VOLTA Ouagadougou 0605 old US pops, YL ancr in FF(RWP)FF after *555; YL ancr(Li)pop & local mx, N:F:2225, balafon mx: before 2300*(AEM)
- 4819.7 UNID LA SS tx: strong one day only here 0900-1000 till HR. *0955, LA mx, few anmts, ad; just missed ID while tuning 0900(LM)
- 4820 GAMBIA R.Gambia, almost daily, 0625 IS, EE anmts 0629, Koran chant to 0700 BBC mx: relay (RWP) 0633 AA chanting, BEC mx: 0700(WJS)
- 4820 HONDURAS HRVC 0325 prgan mx, EE rel pgn(ER)*0955 over UNID, but barely(LM)EE 0500 w/"Song in the Night"(AEM) 0507* EE w/anthem(WJS)
- 4825 DOM. REP. LV de las Fuerzas Armadas 2312-2330 SS w/LA mx, ID(MXW) 0143-0450 SS mx, ID, man ancr(LM)0120-0150 LA mx, infrequent IDs(JDT)pop & LA mx: 0500(AEM)
- 4832 COSTA RICA R.Capital 0100; did they boost power?(ECS)Don't believe so, though sig is strong(LF) 0408-0940 unstable SS male anc eveny; coke ads, IDs, pop mx, LA mx:(LM) 0413-0503 infrequent IDs, no mention of R.Relej, which has been hrd this fgy. Relay?(AEM)See June LR, R.Capital is local FM stn, relayed by this R.Relej outlet(DF)
- 4839 CONGO Bukavu w/vernaculars mx: 1935, off 2100 Sunday(AEM)
- 4840 VENEZ R.Valera 0220 S3 ID, LA mx:(LM)
- 4845 BOTSWANA RB, Gaberones, 0440 Afr mx, ID, also 30 May 0435 Afr chant,RTTY(RWP)
- 4845 UNID 0300-0400*, LA mx, SS, close w/anthem; 2 stns here on a good night(JDT)
- 4845 BOLIVIA R.Fides at 0100 tune, ID & mx:(GLD)
- 4845.3 COLOMBIA R.Eucaramanga 0225 SS ID, LA mx, ads, RTTY(LM)
- 4849.5 PERU R.Atlantica 0417-0444* SS LA mx, ID 0432, verbal s/off, no anthem(LM)0353 tune with a variety of mx, IDs(GLD)
- 4850 MAURITANIA RTVM w/AA mx: 2105, good clarity-galactic noise(AEM)
- 4855 MOZAMBIQUE RCM 2125 drumming with vocals(AEM)
- 4860.2 VENEZ R.Maracaibo, 0326 IDs, SS vocals, 0401*(SPD)0150 SS IDs, anmts(LM)
- 4865.2v BRAZIL RC do Fará; 0830-0850, PP ID 0845, LA mx, M&W tlk(LM)
- 4870a W.IRLAN RRI Sorong, local ID 1200, into Djakarta mx:(BBR)
- 4870.3 DAHOMEY Cotonou; Afr mx, local pops, US oldies, YL ancr, FF/EE lang lesson for FF audience 0555(RWP)FF HS, EE lessons til 0608, then man talk(LM)
- 4874.2 BRAZIL R.Jornal do Brasil; man in PP 0910(LM)
- 4875 BOLIVIA La Cruz del Sur; classical mx & brass 2330(AEM)
- 4875.2 ECUADOR LV de Esmeraldas 0500 SS ID, mx, SABC not hrd(LM)
- 4880 VENEZ R.Universo 0345 SS ID, LA mx, QRM HI, up 1(LM)
- 4884.5 COLOMBIA Ondas del Meta; 0925 Weak SS IDs, LA mxman talking(LM)
- 4885 RSFSR(As) Novosibirsk; 2315 setting up exercises(AEM)
- 4888.6v BRAZIL R.Pioneira de Teresina 0820 weak, PP LA mx, ads(LM)
- 4890 VENEZ R.Dif Venez; 0155 S3 ID, pop mx:(LM)
- 4890 SENEGAL Dakar 0557 drums, 0600 s/on FF w/anthem(RWP)0615 Af mx, chants, YL(LM)
- *4890 PAPUA ABC 0745-0938 EE w/play, hula mx, stock rpt; note 0800 s/on time in band survey now incorrect(LM)ABC mx, ID, 1102-1116(CRP)
- *4895 SARAWAK RMS: 1241-1300, man tlk in lang, Malay ID 1254, 1258-1300 into a different lang(?); good sig & apparently a new fgy(DW)
- 4895.5 BRAZIL R.Bare believed the Brazilian here 0155 w/pop mx, PP(LM)
- 4900 INDONESIA R.Gorontalo(C&M); weak 1320 dual others, 1 kw(JY)
- 4900 VENEZ R.Juventud, *0854 SS anthem, s/on info by gal(LM)
- 4905.7 COLOMBIA Em.Atlantico in SS 0152-0917, "Caracol", LA mx, IDS, ads, tlk(LM) 0625-0643 t/o LA rhythms, ads 0629, ID & TC 0630(DW)

- 4909.7 DOM REP R.HIN; 0350 SS stn jingle, romantic LA mx:(LM)
- 4913 N.CALEDONIA Noumea; 0730 YL w/pop mx: show //11710, still strong 1010(ECS)0617-0941 FF w/modern mx:(LM)FF w/EE R&R tune, brief mx in FF at 1100*, then anthem(CRP) (LM)
- 4915 KENYA VoK; 1900, discussion in local lang(RFB)
- 4915 GHANA R.Ghana, Accra; consistently clear 0600 EE mx:(RWP)0615 man in vernaculars/
- 4915 ECUADOR R. El Trebol; 0225 chimes & SS ID 0230, fair(DJ)
- 4916v ECUADOR Casa de la Cultura, NF ex: 4933, 0206-0416* w/IDs, s/off info(LM)
- 4916.4 COLOMBIA R.Guatapuri, SS after Cultura s/off, LA mx: 0435(LM)
- 4919.8-4920v VENEZ R.Caracas back on SW, seemingly 24 hrs, no ads, easy mx:, pop mx:, rock, jazz, mx: 0230, IDs; best listening from Venez; noted 0050-0950(LM)0507 LA & pop mx:(JDT)
- 4923.3 ECUADOR R.Quito 0429* SS ID, s/off by man(LM)
- 4926 RIO MUNI Bata s/on w/anthem 0429, SS w/Afr mx:(RWP)
- 4929.7v DOM.REP. R.nill; 0245 SS w/modern mx, ad, ID; varies ±200 Hz(LM)SS, mx:, ID 1100 poor 0150-1110(CRP)
- 4932 NIGERIA NBC Benin; 0438 Afr chanting & drums, EE ID(DJ)
- 4935.1 BRAZIL UNID here may be R.Poti, PP tlk by man; UTE 0915(LM)
- 4940 VENEZ R.Yaracay; 2045 SS ID by man, LA pop mx:(LM)
- 4945 COLOMBIA R.Colosal; SS mx, TCs, fair 1047-1108(CRP)
- 4955T INDONESIA Tentatively Panda Atjeh, 1346-1400 t/o, pops, tentative ID 1354, tlk 1400, splash from Saravak-4895(DW)
- 4960.2 VENEZ R.Sucre 0300 SS ID, mx, mention of Rumbos(LM)
- 4970a SABAH R. Malaysia Sabah; 1220 Malay talk, 1240 IS, 1330 N+E, usually covered by a utility station(EBR)
- *4970 VENEZ R.Rumbos 0403* w/anthem, note s/off different from Band Survey(LM)
- 4972 CAMEROONS R.Yaounde 2220 jazz, some local mx:(AEM)
- 4974.5-6v BRAZIL R.Timbira 0827-0850 PP LA mx, tlk(LM)Is that 4974.5-4974.6, or is it 4974.5-4976. If the latter, I maintain should be listed as 4975v. If the former, would still like to know how one measures a varying fqy. But, such things are no longer my headache, hi.(DF)
- 4980 GHANA R.Ghana; EE HS 0545-0604 choral mx, ID, mx: 0600 by YL(LM)
- 4990 NIGERIA NBC Lagos EE HS rel pgm, hymns, 0440(LM)
- 4990 VENEZ R.Barquisimeto; 0406 SS tlk(VSA)
- 4994 SUDAN Omdurman best Sun AM GMT when LAs are off early, good by 0415, fade by 0520(RWP)
- 4994.5 BRAZIL R.Brasil Central believed the Brazilian here w/PP LA mx: 0845(LM)0000 ID & LA mx, very good(JDT)0250-0306 t/o, PP pops & ballads, IDs(DW)
- 4995.8 UNID in SS(?), weak, may be R.Andina, Peru, 0445(LM)
- 4997 PERU R.Andina, up 2, 0648 tune, mx, TCs, past 0700(GLD)0120 LA mx:, ID(RMB)
- 5015 GRENADA WIBS w/old US standards 2330 check, EE anmts(RWP)
- 5029.8 UNID 0629* man talking, anthem(LM)
- 5030 VENEZ R.Continente 0321 LA mx:(KXW)*0900-0955, 0312; LA mx, ad, YL tlk(LM)
- 5035 C.AFR.REP. Bangui, 0440 past 0500 w/Afr chant, local orchestra, FF; usually hrd during the 2200-2300 time slot(RWP)2138-2210 FF mx, Afr & FF mx:(KXW)1900 mx: pgm, QRM Alma Ata(RFB)0450-0515 vernaculars w/pop mx:(LM)2235 nat'l mx:(DJ)2310 local mx & vocals, Alma Ata underneath(AEM)
- 5035 PERU R.Ilo; 0420 pop mx, mx, ID(RMB)One side of the paper, please(DF)
- 5040 VENEZ R.Maturin, SS IDs, many ads, mx: 0320(LM)
- 5044.8 BOLIVIA R.Altiplano 0310 weak w/LA mx, SS anmts(IM)
- 5047 TOGO Lomé; 0530 s/on FF, Afr pgmimh. Due to strong sig, any hope I have of logging COOK IS is nill...When is last time that a legitimate logging of Cook Is was made? (RWP)REW reported them at 0600 in November 1968 LR, when he was still in Hawaii (DF)N+E 1950; time varies as much as 5 minutes(RFB)
- 5050 VENEZ R.Mundial; 0324-0340 SS remote trans of festival(LM)
- 5050 TANZANIA RT, Dar-es-Salaam; mx: pgm.1950(RFB)
- 5053 BRAZIL(??) 0000 low lvl, PP under local QRM. ESB/ARN's R.Vitoria?(ECS)
- 5061 ECUADOR R.Catolica, 0645 weak mx: summary, till s/off(RMB) What time s/off? Did you hear definite ID?(DF)
- 5071.2v DOM.REP. R.Cristal 0340-0603*, SS IDs, LA mx, s/off w/anthem(LM)

- 5070 EQUADOR Don Jensen reports reception of a QSL from R. Jesus del Gran Poder, in Quito. It indicates a 4th freq, 3330, soon to be used, this in addition to 5070, 860MW & 102.5FM. The 5070 tx runs 2200 watts, sked 2-8 Quito time, Friday only, except during Holy Week and religious holidays, when it is on "all day". The stn indicates the 5070 freq may be changed, also. (Don Jensen)
- 5071.2v DOM. REP. R. Cristal 0340-0603*, SS IDs, LA mx, s/off w/anthem(LM)
- 5075v COLOMBIA R. Sutatenza *0947 w/soft mx, unstable SS(LM) ?(DF)
- 5096v COLOMBIA R. Sutatenza *0900 // 5075v(better)(LM)
- 5207 INDONESIA UNID stn w/typical S. Sea mx IS 1230, M&W voices, some mx & phrases past 12588 .. other checked 1323, strong, not daily. Testing?(JY)
- 5270 UNID seems to be LA BCB harmonic, 1346 w/hum & distortion(JY)
- 5277 INDONESIA Reported last month, turns out to be Indon, w/C&W mx, Indon anmts 1156.. Nrx dual others 1204, M voice past 1226; strong, but only hrd 1 week(JY)
- 5282 UNID. An oriental here w/F voice 1216-1229 in Chinese. Peking? Very weak(JY)
- 5360 Seems to be another BCB harmonic, weak & distorted 1342; light LA mx(JY)
- 5440 This does not seem to be an Indonesian, weak w/M voice in lang 1239 past 1326; mx to 1338(JY)
- 5487 This possibly Peking w/Oriental mx & lang 1110-past 1207; weak, but typical Chinese(JY)
- 5491 I suspect an Indonesian, but never hrd here during the time other are dual; strong, mx, anmts seemingly in Indon 1233, C&W mx, US tunes, often off the air, but to past 1430 without ID or IS; not much talking(JY)
- 5525 Another Oriental here in Chinese 1236-1340. Peking?(JY)
- 5559 First noted last month, always hrd daily. Is an INDONESIAN, but can never catch QTH; hrd 1113-1341 w/mostly mx, some mxcasts; typically dual others around 1310-1330; sometimes 10 db over S-9(JY)
- 5625 Possibly another Indonesian outlet, but so weak unable to tell; western style mx & anmts 1228-1337(JY)
- 5720 Heard often, suspect another BCB harmonic; seems to be on daily and in SS, but I have mistaken Indonesian for SS many times before. No hum or distortion, 1130-1332. LA mx & ads. Ideas?(JY)
- 5845 Reported last month as an Indonesian. Consistently on from 1132-1436. Usually the strongest one of these 5-6 mhz Indonesian outlets. Lots of US tunes & little talk. News 1211, Usually covered by RTTY, but still comes thru(JY)
- 5875 HONDURAS LV de Honduras; well hrd 0-255 in SS(RWP)
- 5930 CZECH R. Prague; 0127 cmtry & mx in EE(EC)
- 5954 COSTA RICA R. Casino; 0505-0522 t/o EE pops, ID, good(DW)
- 5955 S.AFRICA RSA 0510 Nrx & mx, rair(TDS) RSA or SABC?(DF)
- 5955 BRAZIL R. Gazeta w/mx pgm from 0900(MAF)
- 5960 HONDURAS LB de Occidente; ID 1100 & 1130, mx pgm(MAF)
- 5960 RSFSR(As) Vladivostok; in Jap(?) w/man talking 1045(LM)
- 5961 BOLIVIA Emisora Pio XII, 0324 tune w/gongs, ID, variety of segued mx 0325 to 0358, good lvl(GLD) seems to s/on 0900, ID & mx, ads hrd at 0400s/off(MAF)
- 5970 PERU R. El Sol; IDs, Peruvian mx, great lvl 1030, fading by 1115. WIRTH lists s/on as 1100, apparently wrong, at least 310571(RWP) 0450-0500 t/o SS, mx, ID, TC mx(DW)
- 5980 PERU R. Panamericana, 0260 positive ID(RMB)0260? Isn't that 0300? YSS gone?(DF)
- 5987 SULAWESI RRI Menado; 1335 old US pops, what seemed to be ads, 1400 local ID, then local mx, very good lvl(BBr)
- 5995 MALAWI R. Malawi 0730 Afr mx after VoA s/off(EP)
- 5995T MALI R. Mali 2220 w/best of R. Moscow FF pgm(M&W)
- 6000 BRAZIL R. Inconfidencia, 0220 nx, mx(RMB)2145 PP, maybe sports, also 2302 cmtry by M&W in PP(DJ)
- 6000 SAUDI ARABIA R. Jeddah, 0650-0655 talk pgm, weak sig, ID heard(PMB)ID for Jeddah? This is Riyadh, operating here(DF)
- 6005 CANADA CFCX, Montreal; 1811 EE, weak(EC) baseball 2330, BBC AI QRM to 0000 when BBC s/off. Must be bad in Montreal area also(HM)
- 6006.3v COSTA RICA R. Reloj; 0810 SS //4832v, ID by YL, TC, LA mx(LM)
- 6010 CANADA CJCX, Sydney; pop mx 0030(WJS)

- 6012 THAILAND Thai TV, Thai mx, 1428, heavy QPM VoA 6010(BBr)
- 6015 IVORY COAST RTVI 0838 vernaculars, native & pop mx, good lvl(ECS)
- 6015 PARAGUAY R.Paraguay 0925 mx, mx, more mx, gone by 1009(JDT)
- 6037 COSTA RICA TIFC w/EE Rel pgms, daily around 0330, weak(RWB)0257 VOA mx, then rel pgm, all EE(SPD)
- 6040 NETH. ANT. RN in SS 0128-0151* w/US pops(MH)
- 6050 RSFSR(As) Irkutsk list, s/on 1000 in RR under HCJB(AVS)
- 6062T THAILAND Ministry of Education, Thai mx: 1246, mx: 1300(BBr)
- 6070T THAILAND R.Thailand 1300 clock chimes & 8 bonges, then mx, western instr. mx: 1320. Thai mx: 1330-1400, strong(BBr)
- 6070 CANADA CFRX Toronto, local mx: & mx: 2100(WJP 1700 EE, fair (EC)
- 6070 VENEZ R.San Sebastian, s/on 1030, mx: pgm, TCs, ads; no sign of CFRB till 1100 (MAF)
- 6080 S.AFRICA R.RSA 0150-0217 EE, ID 0215 & into FF(MH) 0050-0120 mx: & SAfr mx:(JDT)
- 6090 AUSTRALIA ABC Sydney w/SEA chants, vernacular anmts, very weak, listed as 2 kw; 1145 GMT(FWP)? To my knowledge Sydney always uses English, is part of the ABC domestic net. Suggest you had something else, perhaps Cambodia, previously rptd here. Recehcks of recent LRs cause me to wonder about the ABC item in June, on 6090 showing s/on Mandarin 1230. That tx seems to fit the sked of Darwin on 6100 sked with Mandarin from 1230. Current RA sked shows Darwin with Cantonese 1130, Mandarin 1230, both on 6100 kHz. Mandarin runs to 1500, then EE to 1730(DF)sydney 1050 w/EE play(LM) 0945 drama, usually fair to good(AVS)
- 6090 LUXEMBOURG RL w/rock mx: to 0200, then mx:(DR)0155 EE tlk & pop mx:(WJS)
- 6095 COLOMBIA Voz del Centroy 1026 SS, LA mx:(SPD)
- 6015U TAIWAN? Possibly Chinese Air Force w/CC tlks by YL, brief Chinese mx segments, 1404-1430(BBr)
- 6110 NETH.ANT. TWR 0835 PP mx: by man, very good(LM)
- 6125 USA VOA-Gvl; 0837 RR ID, mx: by M&W; strange low fqy(LM)
- 6130 CANADA CHNX, Halifax, mx: & mx: in EE 2300(WJP)
- 6130 SPAIN RNE EE to NA 0220; NF ex: 6140, very good(LM)
- 6140 NIGERIA NBC-Maiduguri, pgm preview 0456 tune, rel mx: 0458, IDs: "This is Radio Nigeria" 0500 & mx: Fair to poor, not as good as Calabar-6143(GLD)
- 6143 NIGERIA NBC-Claabar w/pgm preview 0448, devotional 0451(GLD)
- 6150 COSTA RICA R.Atenea 0659* SS after request for letters, WRTH 24 hrs wrong(LM) 0601 frequent IDs in SS, SS songs(DJ)
- 6160 COLOMBIA Em.Nueva Granada 0558 N&S, RCN IDs(AEM)
- 6175 MALAYSIA VoM Indonesian to 1100, then Mandarin, f/o 1120(LM)
- 6185T ETHIOPIA R.Ethiopia 1440 Ethiopian(?) mx, lang, good(BBr)
- 6191 ALBANIA Tirana in EE tlks & rev mx: 0250(MSK)
- 6195 TUNISIA Tunis often good, 0510 strong w/AA anmts, chants, flutes & orch(RWP) Under BBC 0510 AA chants, also 2131 AA mx, not//11900(DJ)
- 6205 INT. WATERS RNI, EE tlk & mx, best time here is 0030-0200(WJS)
- 6250 FERMADO POO Santa Isabel fair w/Afr mx: from 0500 s/on, SS anmts(RWP)Afr mx: pgm 1945(RFB)2236 SS tunes, 2300*(DJ)
- 6255 AUSTRIA OYE21 w/pop mx: & German anmts 1845(RFB)
- 6255 see June. My mistake, should have read 6268; using sx: 71 which tightens up at high end of 49 meters. Sorry(ECS) OK, thanks for clearing it up.(DF)
- 6540 N.KOREA Pyongyang w/EE pgm 1900(RFB)
- 6850 POLAND Pathfinders Stn w/mx: pgm, poor 1345(RFB)
- 7070 No chance this was Sp. Sahara; wrong time & too strong; 7070 not ever hrd since, only Tirana.(ECS)
- 7135 ALBANIA Peking relay 0320 EE cmtry(MSK)
- 7145A UNID AFRICAN daily, Afr singers, nonstop from before 0300 past 0510, no IDs, stn squeezed between DW & ETLF; seemingly PP anmts 0525A this fqy, so maybe Mozambique. but the nature of mx: at 0530 is drastically different from that previously hrd. No distinct s/on or s/off hrd(RWP)
- 7150 SP. SAHARA Tatsfield now says (WRC 4 Jun) that EAJ203 has been monitored on this fqy, ex: 7230. Watch for future moves:(GH) (AVS)
- 7155 JORDAN HCBS 0357 AA chant, tlk; ment "Premeria Neer"(ECS)AA mx:, AA ID at 2300*/

- 7170 N. CALEDONIA N_oumea w/drama 1030, 1100* w/"LM"(RWP)1045 FF, mixed mx, 4913 not heard(ECS)
- 7210 ENGLAND BBC 0420 EE mx: to Eur(JDT) (ECS)
- 7220 ENGLAND VoA-Wofferton, 0345 s/on Rumanian after BBC ID & relinquish statement/
- 7230T SP.SAHARA 0758 regular harp IS, trumpet fanfare & all AA pgm(ECS)
- 7240 IRAQ Baghdad 2245 AA cmtry & AA mx:(DJ)
- 7245 S.VIETNAM VTVN daily at superb level in Vietnamese, SEA mx, quick QSL back; peaks around 1045(RWP)
- 7305 see June - why is the slogan given in FF?(GH)
- 8195.1 CHINA Fukien list here, rev. opera 1020 in Chinese Home Svc(LM)
- 8630 LIBYA Best yet on this unusual fqy w/15 min AA mx: 2100, s/off 2300 w/sung anthem(AVS)
- 9170 CHINA R.Peking CC HS 1048, finally on nominal fqy(usually 9164), rev.opera(LM)
- 9365.3 CHINA RP in Asian lang 1040 YL talk(LM)
- 9460 CHINA RP in Asian lang 1050, man talk, Cambodian list(LM)
- 9488V CHINA RP in lang s/off 1055(LM)
- 9505 GUATEMALA TGNA, EE s/off one night at 0430(WJS)
- 9505 SUDAN Omdurman, 2037-2102* AA mx, mx, chants, off(MXW)
- 9505 JAPAN NHK GOS 0900-0930 EE mx: review(RWP)
- 9510 ASCENSION IS BBC, 0303 EE mx:(VSA)
- 9510 VENEZ R.Barquisimeto 1103 SS ID, pop mx:(LM)
- 9515 N.KOREA Pyongyang; 1430-1500 t/o EE to SEA, pol. tlks by YL, ID & IS 1500, into French; new fqy? Over R.Malaysia(DW)
- 9515 RSFSR(As) Krasnoyarsk, 1054 tlk by YL, mx:(TDS)
- 9515 URUGUAY R.Sarandi nightly, mx: 0000, no IDs except "Radiotelevision" and "Radio Cenrto"-- not R.Sarandi in IDs, s/off abruptly 0030(MAF)
- 9520 DENMARK RD 0019-0049* Danish cmtry, EE ID 0047, anthem & off (MXW) 0000 c/on EE, then Danish to NA(WJS)
- 9520 PAPUA ABC in EE 0637-0701* w/ID after M&W talk(LM)
- 9520 N.ZEALAND RNZ; EE 0950 classical mx:(LM)
- 9520.6 PERU R.La Crónica fair SS 1105, many IDs, TCs, LA mx:(LM)
- 9530 CHILE R.El Horro, SS 1107-1121 mx: by men, tlk on USSR, weak(LM)
- 9534 PERU R.Nac., Tacna; 0145 LA mx, 15 minute talk pgm, good sig(RMB)Where was SBC's 250 kw tx: on 9535?(DF)
- 9545 GHANA R.Ghana, 2120-2155 Afr & local mx: in EE(MPM)2055 NaE, MX, to Eur(WJS)
- 9545 W.GERMANY DW 0430-0530 EE mx: & cmtry(MPM)
- 9550 BELGIUM RTE 2305-2315 mailbag pgm(DR)
- 9550 CUBA RHC EE to ECNA 0145, good(LM)EE tlk by M&W(TDS)
- 9560 S.AFRICA R.RSA going from FF to EE 0230, ex: 9705 at last, but much stronger on 9695(GH)
- 9562 PERU R.Nacional, Lima; SS 0751, LA mx:(LM)0530 past 0710, Sat(AEM)
- 9570 AUSTRALIA RA Shepparton, EE 0953-1002, NF, ex: unknown, pops, ID, mx: 1000(LM) You sure it's new fqy? Been listed at least since winter quarter(DF)
- 9571.7 CHILE R.Portales; good w/ID, N+S, TC every minutes, 1105(TDS)
- 9579v INDONESIA BOI 1545-1600 s/off(?) w/lang pgm, Hindi listed, ID 1545(DW)
- 9585 BRAZIL R.Nac.de São Paulo; 0948 mentioning Brazil & São Paulo, cmtry(DJ)
- 9590 CHILE R.P.Balmaceda peaks 2330-0023, when R.Ned. carrier s/on; SS IDs, and a pgm called "Renovation & Accion", mx: 0000(RWP)
- 9595 JAPAN JOZ3, NSB, Tokyo; 0958 Jap cmtry, ID 1000 in Jap(DJ)
- 9595 TUNISIA Tunis 0532 AA mx:, orchestral w/M&W vocalists, anmts 0650 in AA/FF(RWB)
- 9605 PHILIPPINES VOA-Tinang, s/on 1200 EE ID, into Lao(TDS)
- 9610 see June - surely this is Perth, not Sydney(GH) Yep(DF)
- 9625 ISRAEL Kol Israel; 2115-2130 EE mx:, FF at 2130(WJS)
- 9630 CZECH R.Prague; 0100 EE(EP)
- 9635 COLOMBIA R. Nacional; 1153 SS w/ID & LA mx:(MXW)1123 SS, good w/EE lesson(LM)
- 9640 S.KOREA VoFK; NaE, QRM from YV, s/off 1330(TDS)
- 9640 VENEZ Ecos del Torbes 1154 SS w/ID & mx:(MXW)
- 9650 GUINEA Conakry 0300 Afr mx: & song, QRM RBI 0330(EP)
- 9650 E.GERMANY REI EE to NA 0330 //9560/9725(AC4/LM/TDS/EP)

- 9650 USA VOA Delano, 1330 EE IS & into Lao(TDS)
- 9660 PORTUGAL IBRA Radio over RTE w/Greek mx, into Russ.(Time?-DF) Also 1940 in Israeli ID in EE(AEM)
- 9660v VENEZ R.Rumbos; SS 1125 souped-up ads, chimes, TC(LM)
- 9665 AUSTRALIA RA Perth 1145 EE IS, tlk to SEA(TDS)
- 9670 USA KGEI 0430-0445 EE rel pgm(MPM)
- 9675 PORTUGAL IBRA Radio via R.Trans Europe; Gospel pgm in Russian 1800(RFB)
- 9680 AUSTRALIA ABC Melbourne, HS 0800, EE pops, pips, ID, mx(LM)Tx at Lyndhurst(DF)
- 9682.3 VENEZ R.Monagas in SS 1006 w/rel lecture by man, ID 1017(LM)
- 9685 ALGERIA Algiers w/AA chanting, s/off 2330, good(AVS)
- 9700 BILGARIA R.Sofia; 0017 cmtry & mx, EE(EC)
- 9700 USA AFRTS, Delano; 0805 good w/anti-grass tlk//9755(LM)
- 9720 ARGENTINA R.El Mundo, 0200 ID hrd, world mx, pop mx(RMB)
- 9725 ETHIOPIA ETLF 0300 Swahili pgm w/EE IDs(EP)
- 9730 E. GERMANY RBI; 0345 anmt & talk abt Pow's(VSA)0400-0430 N+E(MPM)
- 9730 NETH.ANT. TWR SS 1050 exc, NF ex 11850, rel tlk(LM)
- 9745 BRAZIL ZYR69, R.Cultura, fair 1110, naming associated stns, mx, IDs, TCs, PP(RWP)
- 9750 CHILE R.Mineria, 0230 mx(RMB)
- 9770 HAITI R.4VEH; 1227-2135 t/o w/classical mx(MXW)
- 9805 EGYPT Cairo end Eur svc 2303(WJP)2245 mx & cmtry in EE(EC)
- 9833 HUNGARY Budapest 0100-0130 N+E & cmtry(MPM)
- 9920 CHINA RP 1056*, 1257* Cantonese/Cambodian w/YL tlk, "Yellow River" piano mx; *1300 FF//15060(LM)New terminology needs to be added. We need another term to indicate that a stn merely switched language, perhaps with a few minutes between, but did not really leave the air. The term "sign-on" and "sign-off" should be reserved for the beginning and end of the actual transmission. Thus this stn did not really "sign-off" at 1257, they simply ended one lang, to begin another a few minutes later. Anyone have any suggestions for terminology here. Perhaps a symbol to indicate language change, maybe "#"? (DF)
- 9945 CHINA RP Cantonese 1056* w/"Yellow River" piano mx(LM)Presume //9920. ??(DF)
- 9965 CHINA RP Japanese 1055 w/YL talking(LM)1115-1130 classical mx & comment(TDS)
- 10000 CHINA BPV in code only one sec. ticks, 1305(TDS)
- 10009.5 INDOCHINA UNID in Cambodian(?) 1022-1046, man tlk; Indochinese mx 1029, not //10038/10151/10217/15048/11997/9988 and 10080 not hrd(LM)
- 10038v N.VIETNAM Hanoi, VoV; CC 1100, Viet mx, ID(LM)
- 10110 S.KOREA LV de Liberacion ID 2230 FF & CW mx, also hrd with QTH & QRA(AEM)I think we need clarification here. South Korea? What was QRA/QTH? If FF ID, would be spelled with a "t": Liberation, would it not? Numerous questions raised by this one(DF)
- 10152.5 N.VIETNAM Voice of Vietnam, Hanoi; Lao talk by man 1110(LM)
- 10225v N.VIETNAM VoV, Hanoi; Vietnamese HS, poor 1115(LM)
- 10530 KAZAKH SSR Alma Ata; 1115 RR HS, poor w/talk by man(LM)
- 11100 CHINA RP CC to Taiwan, weak 1130 w/tlk by man, CC dialect 1005, ID(LM)
- 11330 CHINA RP CC HS good 0959-1125//11290, 6 pips 1000, ID(LM)
- 11413.5 CHINA RP CC HS weak 1120 w/YL talk in unlisted svc(LM)
- 11595 BRAZIL Unid stn w/rapid(futebol?) sports cmtry 0200, 20/5; 0312 said "boa noite" and went to mx. On NBFM and heavily QRMd(GH)
- 11630 EGYPT Cairo; Arabic interview 0230, mx(TDS)
- 11672 W.PAKISTAN Karachi 1945 EE mx & cmtry, good lvl(ER)IS 0014, *0015 EE to SEA, mx; also 1955 EE cmtry(DJ)
- 11680 ENGLAND BBC AA mx 0440(TDS)
- 11685 CHINA Peking, N+S, s/off 1125(TDS)
- 11690 USSR (?) 0540 all Russian, fair lvl, splash from Cairo 11680(ECS)
- 11695 CHINA Peking 1140 N+F, QRM(TDS)
- 11700 VATICAN VR 2210-2223, EE mx, where to?(WJS)
- 11705 NETH.ANT. TWR Rumanian 0330(WJP)
- 11715 BYELORUSSIAN SSR Orcha w/Moscow Portuguese to Brazil *0000-0058*(LM)
- 11715 SWITZ SBC begin EE to NA 0130(MSK)
- 11720 CANADA CBC No.Svc., 0300-0330 N+E, cmtry, drama, fade-out 0330(MPH)

- 11720.7 INDONESIA VoI, Djakarta; EE to Pac 1120, fair, ex 9585, sked 1100-1200(LM)
- 11735 NORWAY R.Norway to NA Monday GMT at 0100, splash from 11745(RWP)
- 11750 MALAYSIA EBC Tebrau; s/on 0855, BBC EE anmts, BBC WS 0900(ECS)
- 11765 AUSTRALIA RA-Shepparton, s/on 0715 w/mx, Eng mx:(TDS)
- 11775 INDIA AIR 1000 EE mx after IS //15205 unhrd; to Australia(ECS)
- 11785 W.GERMANY DW EE 0435, EE mx, cmtry(ACM)
- 11795 E.GERMANY EE 0640, NF ex 21465, fair(LM)
- 11800 CEYLON R.Ceylon, Hindi chanting, com'l svc 1635(MSK)11799v, 1135 Tamil, fair w/Ceylonese mx:(LM)1030 IS, ID in lang(DJ)
- 11800 CANARY IS RCB; SS tlk & mx: 0120(MSK)0345 SS mx, good(EP)
- 11810 ALGERIA RTVA w/AA 0730, mx: abt Al-Sadat by man, YL tlk(LM)2129 local mx: & chants; in clear when Russian closes 2129, in Arabic(JDT)
- 11810 INDIA AIR w/mx, cmtry, then Indian mx: 1345, cmtry 1400 again(DJ)
- 11825 TAHITI RT 0400 Tahitian mx; drum ID, big sig(ECS)11825.4; 0735 FF, YL(LM)
- 11830 RSFSR(Eur) Moscow 1900-1930 EE mx: & tlks to UK(WJP)
- 11834.7 ALGERIA RTVA FF 0735 //11715, mx: by man (LM)
- 11835 CEYLON VoA-Colombo; EE ID, into Bengali to India 1630(MSK)
- 11835 HAITI R.4VEH; 0000 EE rel pgn(RH)1150 hymns, mx: 1200(JDT)
- 11835 URUGUAY R.El Espectador 0225 SS world mx:(MXW)Nightly 0200 w/nx after 4VEH s/off, till 0300 when s/off or is covered by VoA splash s/on 0300(MAF)
- 11840 POLAND Warsaw EE to NA 0200, Portugal blocked then 0215(MSK)0208 mx:/pops(VSA)
- 11850 NORWAY RN w/Norwegian to WCNA 0629*, RTTY not on 5925(LM)Huh?(DF)
- 11855 BRAZIL R.America 2300 PP drama(MAF)
- 11860 NORWAY R.Norway w/NA svc. 0400-0430 Sunday, English(MH)
- 11875 JAPAN NHK EE to Asia 1230(RH)
- 11875 NICARAGUA R.Nacional, audible daytime, 1300 & later, typical LA fare(RWP)
- 11880 AUSTRALIA RA-Shepparton, 1130 EE stock market reports(JDT)
- 11885 RUMANIA R.Bucharest 0320 classical mx, poor //11810/15250, etc(JDT)
- 11890 E.GERMANY RBI EE to ECNA, exc, NF; mx, mx: 0240(LM)0307 mx, fqys, EE(JDT)
- 11895 PORTUGAL RFE Polish 0630 over jammers, man talking(LM)
- 11900 MALAYSIA R.Malaysia s/on w/chimes, YL anc, mx: 1105(TDS)In Indonesian, ballad "Scarlet Ribbons" at 0944(AVS)
- 11900 TUNISIA Tunis 2045 lang tlk, native mx:(DJ)
- 11900 UKRAINIAN SSR Lvov w/"R.Kiev" pgn in EE 0030(RH)
- 11910 ETHIOPIA ETLF, ID 1930, in EE mx:(AEM)
- 11910 HUNGARY R.Budapest; 0420 EE to NA(EC)
- 11915 ECUADOR HCJB SS to LA 0030-0057 mx, mx, religious(LM)
- 11920 IVORY COAST Abidjan 1831 N&E(MXW)11919.8; 0740 FF, Af mx:(LM)
- 11920 MONACO TWR IS noted 0657 under another stn(DJ)
- 11920 FRANCE Cf June FS, ORTF Paris(tx at Allouis-DF) EE to Af //11930, mx by man. Has been here since year 1, tho omitted from WRTH. Try 11725/15190/21500v for Brazzaville relay. Fair 0515-0530.(LM)
- 11920 PHILIPPINES FEBC poor 1145 EE s/on; SCDX says FEBC has announced intent to share this fqy with FEBA Seychelles, which would use 11920 during its morning GMT best (RWP)EE, mx, 1230(RH) 1340 mx, 1345 EE rel pgn(MAF)1320 EE mx, ID 1330(ACM)
- 11925 UZBEK SSR Tashkent EE 1400, poor(RFB)
- 11925 SPAIN RNE 0100 EE mx, mx, cmtry(RH)
- 11925 QTH?? VOA 0310 w/EE "African Safari"(JDT)
- 11935 CANADA CBC EE to Eur *0713-0745, 250 gallon supersig//9625(LM)
- 11940 RUMANIA Bucharest 2010-2026 pop & folk mx:(WJP) 0445 EE cmtry(EC)
- 11940 LIBERIA ELWA 2103 s/off EE(MSK)
- 11970 USA VOA-Gvl; 0800* AA, 250 or 500 kw, not in WRTH(LM)250 kw(DF)
- 11970 S.AFRICA R.RSA 2231-2300 EE to NA/Eur//9695/5980, bad mod.(LM)
- 11979.8v LEBANON Beirut; AA 0257-0327, SS to 0400*; NF ex: 11775(LM)
- 12000 AUSTRALIA VNG, Lyndhurst, time pips & armts 0630, QRM Armavir(RFB)EE pips 0745 (LM)time sigs 0615(WJS)
- 12000 USSR RP&P to Haiti in Creole//9480/12040, 9470 dropped(LM)
- 12015a CHINA R.Peking s/on Oriental lang 1300 almost daily(ACM)

- 12025 N.VIETNAM Hanoi 1300 EE, improved by 1320, FF 1330, from 27 May(ACM)12024v;
EE mx: 1015(LM) 1000-1030 EE(DR)
- 12060 USSR R.Moscow EE s/off 1300; believe sked 1100-1300(ACM)
- 12079.7 CHINA RP, FF 1156*, fair w/mx, mx, IDs by YL, man(LM)
- 12176 IRAN R.Iran, Teheran, EE 2000, mx, tlk, mx:(RFB)
- 14989.9 N.VIETNAM R.Liberation FF 2000-2030, alng to 2100* NF//old 15050v; may be
ex: 11997, mx, YL tlk, IDs as "Ici R.Liberation"(LM)
- 14994 FRANCE ORTF 2350, can find no parallel(ES)
- 15000 UNID 2306-0011 M&W in unknown lang, EE 0000, mx: 2325 & 2345; WWV too strong by
0011(JDT)
- 15018 N.VIETNAM Hanoi most easily hrd here 1300 EE "mx", cmtry(RWP)EE mx: 2000(RFB)
- 15025.8 CLANDESTINE(tentative) So-called "Voice of the Chinese Communist Party", an
anti-Maoist tx, believed the jammed Asian under Chinese jammers 0045-0257 $\frac{1}{2}$ *,
below RP CC HS 15030.5. One day only, but hrd in aero band irreg, especially
AMs, with speech before jammed out. Cf 15050a-15060a UNID in June LR--believe
this also CoCCP, too, not Liberation(LM)
- 15030 CHINA Peking w/EE mx: 2000(RFB)
- 15040 USSR RM to Af on NF in AA 2108-2115, FF 2145-2158* w/talks on Czech CP Congress
fair over co-channel piano interference!)(LM)
- 15084 IRAN R.Iran daily 1930 with, in my opinion, the finest exotic, ME mx: available
on the SWBC bands. I just love those Persian instrumentals!!(RWP)Farsi tlks &
native Mx: 1500, strong(MSK)
- 15095 CHINA R.Peking; EE at 1500 s/on(MSK)15097.3; Ee to SEA 1415, mx:(LM)
- 15100 UNID 1304 M&W in AA, weak; mx: from 1319(JDT)
- 15105 ASCENSION IS BBC s/on w/local ID in EE, thru NHK s/off 1628(JK)
- 15105 JAPAN NHK EE & Jap Gen Svc 1600(MSK)
- 15105 SPAIN R.Liberty9tent.) believed the tx under Soviet jammers 2220. If so, is a
new fqy.(LM) Yes, is RL on NF, this quarter(DF)
- 15110 N.ZEALAND RNZ 0320 mx: pgm, good sig(TDS)
- 15120 CEYLON R.Ceylon EE w/BBC mx: 1600, jazz mx:(MSK)1535-1550 EE w/old hits, ID, rel
hymns(DW)
- 15120 FRANCE ORTF; 0520 EE mx to Afr(EC)pops, YL w/ID 2355(AVS)
- 15120 POLAND Warsaw 0215-0228 t/o w/EE mx: & mx, address is Box 46, Polish 0228(DW)
- 15125 AUSTRALIA RA s/on to UK?Eur w/mx: pgm 0640(TDS)
- 15125 TAIWAN VoFC 1815 EE cmtry, ID, QRM ORTF(AEM)
- 15145 AUSTRIA Vienna w/EE to CA 0135 yodel mx, YL anncr(LM)
- 15155 BRAZIL R.Tupi; 2330, PP, excellent(EP)
- 15155 PHILIPPINES AFRTS w. CBS mx: 0800(RFB)
- 15160 AUSTRALIA RA EE to Pac Is 0300 giving fqys & skeds(MSK)03450400 t/o w/EE,
classical mx, to Asia & Pac IS(DW)
- 15165 TURKEY Ankara 2200 w/EE mx, cmtry to 2230(ER)NF for EE/15190; mx by YL, ID,
official anmts(LM)
- 15165 SYRIA Damascus 2050 w/EE cmtry & pop mx: to 2200, strong(ER)2036-2100 US pops
poor(JDT)2229 IS & s/on lang(DJ)
- 15165 DENMARK RD strong 1129 IS, 1130 s/on Danish to Greenland(RWP)Danish mx: 1750
(CB) 1727 IS, EE anmt, into Danish(RWF)1729 s/on EE, then Danish(WJS)
- 15170 PORTUGAL RFE in various langs, icluding EE, good & not jammed; rock mx, EE ID
2308 noted past 2345(LM)
- 15170 TAHITI RT 0300 s/on after IS, nice mx, local island chant. The quality of this
best rivals that of ABC(RWP)0330-0345 good(ACM)0400 mx:(EC)0430//11825(DJ)15171.4,
0345, runs 30/S9 at times(TDS)0315 ma, tlk in Tahitian(WJS)
- 15180 ETHIOPIA ETLF 1330 EE mx, QRM BBC 1345(RFB)
- 15185 FINLAND OYA EE to NA *2300, useless under BOA & CBC QRM(LM)
- 15185 NIGERIA VoN, Lagos, 0615 EE mx: & mx:(WJS)
- 15195 TURKEY Ankara, EE 2200-2230, poor(WJS)EE 2200-2230(EP)
- 15200 FRANCE ORTF w/EE mx to NA 0525 t/i, FF 0530(MH)Hugh? Fqy? To NA? Only thing I
have listed is Brazzaville to Africa w/NsE 0515-0530, 15190 kHz. This what you
heard?(DF)

- 15205 MOROCCO VOA Tangier, s/off 0000(TDS)
 15210 TYUKYU IS VOA-Okinawa s/off 1600 w/local ID(JK)
 15220 MOROCCO(Tangier) UN(VoA) 0645 FF mx: after EE tx ID, abrupt s/off 0652(ECS)
 15235 INDIA AIR 0045 EE recipes, 0100 EE mx: & cmtry(ER)
 15235 SWITZ SBC *0130 EE to NA on unsked fqy, sked 15305(LM)
 15240 AUSTRALIA RA 0535 EE to NA(EC)
 15255 NETH.ANT. TWR 1332-1346 EE, excellent over jammers. NF ex 11820, which is still used around 1200(LM)
 15260 BRAZIL R.Excelsior, well hrd 0207 w/futebol(AVS)
 15260 JAPAN FBN, strong 0437 w/comedy pgm, also 0705(BBr)
 15265 AFGHANISTAN 1805 EE mx, mx; US & local mx; weak but clear(MSK)1743 GG, EE 1800; mx, talks, mx:(MWW)1800 EE mx, pops, exc sig lately(ECS)
 15265 USSR QTH?, Moscow AA 0410-0432 t/o, ID 0426, Swahili from 0430(DW) Possibly this is Gorki, listed to E.Afr & SW Afr 1300-2030, to southern SA 2300-0100(DF)
 15280 HAITI 4VWI at 1112 w/EE rel pgm(AAM)rel pgm 1100-1130(DR)
 15285 CUBA RHC EE ro LA//17715, *2050(LM)
 15290 ARGENTINA R.El Mundo; 0050-0112* sports, ID 0110, suspect special tx:(JDT)
 15290 NETH ANT TWR NF ex 15295, for Norea Radio pgm 2135-2200 in Norwegian, then into FF 2200 to Europe(LM)
 15290 WYRIA Damascus AA HS 0355 ME mx, "Zorba the Greek", note time(LM)2320AA mx; //15165 to CA in AA(DJ)
 15300 JAPAN NHK EE Gen Svc 1210, good w/mx: on new fqy(LM)
 15300 PHILIPPINES FEBC 1154 w/EE mx:(AAM)
 15305 USSR? 1900 unknown, but familiar IS, all FFpgm; usual Moscow IS 1930(ECS) Voronej listed (DF)
 15312v PHILIPPINES R.Veritas fair but unstable, tlk by man 1210(LM)
 15315 SWEDEN RS 1420 pgm on stamps in EE(RH)
 15320 AUSTRALIA RA 0330-0400 EE, mx, tlk(MPM)
 15340 W.GERMANY R.Liberty in RR way over jammers 0350(LM)
 15343 ARGENTINA IRA, La Plata; 0200 rel pgm, ID & s/off 0215(JWC)
 15345 KUWAIT RK; 1815 pop mx: pgm in EE(RFB)2030-2101* EE to Eur on NF ex 11845(LM) 1600 s/on w/EE, pops, mx:(WJS)
 15360 TANGIER? 0315 AA, not listed this time WRTH. MX & tlk(EC)
 15365 CANARY IS RNE 1955 s/on after guitar IS(HM)
 15365 CZECH RP; 0115 EE comment & editorial(JDT)
 15380 W.GERMANY DW 2215 German songs & ID(JDT)
 15400 IRAQ Baghdad here 0305 check, ME mx, chant, AA anmts, strong(RWP)
 15410 ITALY RAI *2228 Italian //11810, both new fqys, ex 6010/9575, 0120* EE to NA(LM) 0045-0105 t/o w/continuous instr mx: to 0055, ID, begin EE 0059(DW)
 15415 ECUADOR HCJB *2100 German, very good at new time, new fqy(LM)
 15420 VATICAN VR 0050-0100 EE to NA (MH/AAM)
 15420 SPAIN RNE 0700 new IS, M&W w/SS interview(ECS)
 15430 S.KOREA VofK; 0300 EE ID, mx:(JWC)
 15440 PHILIPPINES FEBC 1615 w/pgm of Salvation Band mx:(RFB)1345 mailbag(JWC)
 15445 LIBERIA VOA 0001 s/off w/local ID after Jazz Hour(JK)
 15445 SPAIN R.Liberty in RR well over jammers 0350(LM)
 15445 USSR ?? 2110-2130* US records, mostly jazz, no anmts, IS at close(JDT)
 15490 USSR Orenburg list for RR HS 1150, quiet mx:(LM)
 15505 CLANDESTINE REI 1345 SS, poor w/QRM de Sverdlovsk; man talking (LM)
 15510 CHINA RP SS 1145 rev mx, YL anc(LM)
 15518.8 E.PAKISTAN Dacca list, fair in lang 1145(LM)
 15550.3 CHINA RP CC HS very good 1150 w/YL talking (LM)
 15590 CHINA RP CC Taiwan Svc 1150 poor w/man talking (LM)
 15669 CHINA RP 1151-1156 $\frac{1}{2}$ * w/rev mx:, NF in lang(LM)
 15710 CHINA RP CC Taiwan Svc 1155 rev piano mx: "Yellow River"(LM)
 15735 CHINA RP CC HS 1156-1205, weak on NF w/peculiar pgm of "East is Red" IS, ID, tlk, repeat, etc. Apparently new svc(LM)
 17640 EGYPT Cairo 1159 AA song by man(TDS)
 17700 E.GERMANY RBI 1530 EE to Asia(RFB)

- 17720 TAIWAN VoFC, 0314 EE nx, into lang 0320(WJS)
- 17755 ITALY RAI 1410 mx & mx, Italian(JDT)
- 17785 JAPAN NHK 2325 EE talk(AAM)
- 17790 ENGLAND BBC 1130 EE ID, Bulgarian(TDS)
- 17810 NETHERLANDS R.Ned., 1507 EE Happy Station pgm to Eur(AAM)
- 17815 ITALY RAI 1152 lang ID, light mx, nx 1200(JDT)
- 17815v CUBA RHC on NF in EE to Eur, ex 17730v, exc *2007-2045(LM)
- 17815 VATICAN VR 1134 EE religious news(AAM)
- 17820 AUSTRALIA RA 0100-0130 EE, mx, talk(MFM)
- 17825 JAPAN NHK "Music Time and DX Corner" each Sunday in EE 0000-0030(RH)0040 EE svc, better than usual tonight(ECS)
- 17825 NORWAY R.Norway; 1619 English news, Sunday(AAM)
- 17834 ALBANIA R.Peking relay via new tx farm, apparently here 0640-0657* with no flutter, strong sigs while Asian path closed. In European langs or ME lang; not jammed, talk on Stalin, Internationale, Chinese revolutionary music, IDs. No "relay sound", plus slight differences in music renditions over usual R.Peking tx suggests possibly pgms originate in Albania, although reports from Europe on new MW version of this suggest otherwise. Excellent ECMA, (LM)
- 17835 MEXICO R.Mexico w/EE cmtry 0000(RH)1614 SS songs & ID(AAM) 0019 SS & mx:(VSA)
- 17845 BELGIUM RTB 1800 IS for Afr svc, YL in FF; QRM Mexico down 10 kHz(ECS)
- 17875 W.GERMANY DW 1142 mx, EE ID 1145, lang mx:(JDT)
- 17845 MOROCCO VOA Tangier s/on local ID, into Bulgarian, 1558(JK)
- 17880 MALAYSIA BBC 1212 w/EE drama, first time this fqy(JDT)
- 17895 SPAIN R.Liberty, 0600 IS, weak, in the clear; speech was unintelligible, though (ECS)
- 17910 USSR R.Moscow on unlist fqy, EE to Afr//17870, to 2128*, weak(LM)
- 17920 EGYPT Cairo w/lang lesson, Arabic/Eng, ID 1400(AEM)
- 17935 W.PAKISTAN Karachi 1340 mx in slow English(AAM)
- 21645 FRANCE ORTF 2120 FF, mx, talk, strong(EC)
- 21705 MEXICO R.Mexico 2315 EE mx & mx, strong(EC)1730 mixed pgm of mx, EE & SS IDs, QRM Portugal(AEM)
- 21740 AUSTRALIA RA-Shepparton, 0130 Eng to NA, fair(EC)

 The address for NBA is: U.S. Navy Station NBA, NAVRADSTAT SUMMIT, Box: 5007, FPO, NY, 09580. (SPD)

I don't believe that you should set a double standard, accepting accurate fqy readouts for DX stations but not for common ones. One man's DX is another man's poison and in any case a DXer should be encouraged to do his best, in fqy measurements, as in all other areas, at all times. I, for example, very much appreciate the exact Peking fqys LM gives, although Peking is not real DX; but it is still not a very easy catch for East Coast beginners. (Richard E. Wood) It is not exact fqy measurements to which I object; rather, I find it illogical to quote a fqy as 13957.3v. For, if it is varying, then the fqy quote is good only for a particular instant in time, and had it been checked maybe two minutes later, the fqy would have been quoted as 13957.7v. One would be just as accurate if he said the fqy was 13957.437, for the fqy hit there on the way from 13957.3 to 13957.7....Now that gives me an idea! Watch some of the fqys I start reporting when I get set up in W.Va., hi!One of my next projects is a good fqy counter....But back to the subject. I agree that Peking is not a very easy catch for East Coast beginners, but not for any beginner who has equipment that can take advantage of measurements of such accuracy. My main objection, though, is to the illogic of measuring a varying frequency..... It seems what is really needed is precise definition of certain terms which have been floating around the hobby for many years. Perhaps this should be a topic of discussion at the up-coming ANARC meeting in July....I have tentative plans to be there, and from the informations I have so far received, it should be an enjoyable and profitable meeting for any DXer. A number of the top SWBC DXers in North America are planning to be there

Let's get the CREDITS in before a few more comments.

- AAM Albert A. Miller, Youngstown Ohio
- ACM Anthony Marks, La Grande, Oregon
- AEM A. E. Martin, St. Helens, Lancashire, England
- AVS Al Sizer, North Haven, Conn, HQ180A
- BBr Bob Brode, Santa Monica, CA, SB310
- CRP Pat Patterson, Decatur, Ga., SX99
- DF Dan Ferguson, Coral Gables, FL, SB310
- DJ Danny Jamison, Charlottesville, Va, SW4
- DR Dan Romanchik, Warren, Michigan
- DW Dave Williams, Astoria, Oregon, SX122
- EC Ed Cope, Frankville, PA, SX130
- ECS Ed Shaw, Norfolk, Va., SX130
- EP Ed Pyatt, New York City,
- ER Evan Rosen, Brooklyn, NY, SX133
- GH Glenn Hauser, Kolly AFB, Texas, HQ160
- GLD Gerry Dexter, Lake Geneva, Wis., HQ180
- HM Hank Michalenka, Central Falls, RI, GR54
- JDT John Tuchscherer, Meenah, Wis., HQ100A
- JK John Kolb, San Diego, CA, SB310/SPR4
- JWC John W. Creamer, Denver, Colo., SW4A
- JY Jim Young, Wrightwood, CA, HQ100A/C
- LM Larry Magne, Philadelphia, PA, R4B
- MAF Marlin A. Field, Benton Harbor, Mich, SX100
- MH Mike Hardester, Modesto, CA
- MSK Mark S. Konen, Nequon, Wis., SX71
- RFB Robert F. Bruce, Brechin, Angus, Scotland
- RH Ron Hyre, Schaumburg, Ill.,
- RMB Richard M. Bartos, Campbell, Ohio
- RWF Robert W. Fisher, Los Angeles, CA
- RWP Ralph W. Perry, Westchester, Ill., S85
- SPD Steven P. d'Adolph, Woburn, Mass.
- TDS T. D. Smith, Austin, Texas, GR54
- VSA Vic S. Argabright, Larkspur, Colorado, GR64
- WJP William J. Penn, Irvington, NJ, WR600
- WJS Bill Schultz, Johnstown, PA, Eico DX718

We'll take this final bit of space to include some more comments on fgy measurement, and maybe some other things.

The coming of the linear tuning receiver is what made the difference in frequency quotes. It brought with it much needed accuracy in frequency measurements, but also some problems. Many made the assumption these receivers were really linear in their tuning. This was never even claimed by the manufacturers, who generally quote specs showing accuracy to within 1 kHz, or, in some cases, 1/2 kHz. But even these specs are not always met in individual receivers, some of them being a bit more than 1 kHz off even when calibrated at the nearest 100 kHz check point, though a bit better on those receivers having 25 kHz calibrators. For the most part, though this has been recognized by the individual DXer. One thing that has often not been noted is the fact that these receivers coming with 5 kHz IF passbands simply cannot be used to measure any frequency very closely because it is impossible to determine when the station being received is in the center of the passband. Those receivers with narrower passbands can give better accuracy. This problem has been overcome by the more knowledgeable DXers by using the BFO to determine zero beat. This method will also suffer if the BFO is not crystal controlled. Other methods of getting accurate frequency readout include the technique of measuring the fgy

Our usual thanks to those who check in every month, and welcome to those reporting for the first time.

of the heterodyne the station produces with a station whose fgy is known, say VOA or BBC. Some raise questions with various of these methods. For example, how does one determine when he has zero beat if the receiver audio only goes down to 400 cycles, and the BFO is crystal controlled at a fgy some 1400-1500 cycles off IF fgy, for SSB reception, thus putting the station at the edge of the passband of the receiver. Other questions have also been raised, other methods used to get accuracy.

What is needed is communication of methods/objections/problems/successes in the area of frequency measurement. It should be obvious that there is not going to be any one best way, one that each DXer will be able/willing to use. But the methods should be made available to the hobby in general. Therefore, detailed (!) information is requested on fgy measuring methods. When enough information is collected and examined, I will submit an article to NASWA' SWC. All mail which will reach me after the 10th of July should be addressed to: Dan Ferguson, c/o Clyde Ferguson, 1419 Virginia Street East, Charleston, W. Va., 25301.....Many thanks for your support as LR editor over the past years.. If you continue your support to Jerry Berg, NASWA's FRENDX will surely remain the "SWBC Journal".....Hope to see you at the ANARC meeting.....73, Dan Ferguson

Last Minit
News/Tips

F L A S H S H H E E T

Last Minit
News/Tips

AL NIBLACK-EDITOR, 420 SHELBY ST., VINCENNES, IND. 47591 Deadline for AUG.- JULY 19th.

AFGHANISTAN Kabul, 15265, EE news 1800, music & cmtry. (Forester Isen, N.H.)...Kabul amcs 17775 in // w 15265, excellent 1800 EE news. (August Balbi, Calif.)...15265, Kabul, amcd 6/5, says parallel fqy is 17775, 1800 EE. (Steve d'Adolf, Ma.)...R. Afghanistan amcd 15265 // 17775, as daily 1800 EE. (Edward Insinger, N.J.)

ANGOLA (TELE) 5060 RC Huambo believed PP, 0510-0545, vy poor, vy weak (Larry Magne, Pa.)

ARGENTINA 6180 R. Nacional, Mendoza, news 1030, local ID 1045, excellent (Dr. R. E.

AUSTRALIA 9570 RA, new fqy S/on 0930, EE news 1000; 15295 test heard 0600- / Wood, La.) 0800 EE, not listed or amcd. (August Balbi)

BELGIUM Brussels, 15425, FF 2120, new fqy; S/off 2200. (Bob Padula, Australia)

BOLIVIA 4875 La Cruz del Sur, full ID, "luz que senala el camino de la vida", 0045 (Dr. ...Emisoras Pio XII, Siglo Veinte, admits fqy drift from nominal 5955 to /R.E.Wood) current 5961.5. Noted daily 0000-0300 and 0930-1100. (Dr. R. E. Wood)

BRUNEI 7215 Noted 1300 w local EE news, at 1315 w regular world news. (August Balbi)

CANADA CBC observed w special tests to Far East, 0955-1039, 6/7 and later, in EE, FF, and JJ. Reports requested - 11720 and 15275 both heard. (Bob Padula)

COLOMBIA 6075 R. Sutatenza has gone commercial, noted with spot for "Corona" 0330, 5/25 (Dr. R.E.Wood)...LV del Llano, 6115, well hrd 0408, many IDs (John Tuchscherer, Wisc)

COSTA RICA TIFC, 6037 & 9645, noted S/on at 1130 rather than listed 1200. (Dr. R.E.Wood)

CZECHOSLOVAKIA EE at 0100-0155, 5930, 9540, 9630, 11990 & 15365. (Mark Dujmich, Pa.)

DOMINICAN REP R. Cristal back on 5010, after some weeks on 5071. (Larry Magne)

ECUADOR HCJB noted on new 15155 to Europe SS International News 2130, 6/10. (Bob Padula)...4733 R. Nacional Progreso, Loja, 0415 with request music. (Dr. R. E. Wood)

FRANCE 7160 ORTF, 0515, OM w EE news FB lvl, into FF at 0530. (Ed Shaw, Va.)

GAMBIA 4820 Heard w fair sigs from 0628 IS, S/on 0620. (Kris Lemma, Ind.)

GALAPAGOS IS (ECUADOR) 6255-67, LV de Galapagos; Yes, this varies all the way (Dr. R.E.

GUINEA (PT) Em. Provincial de Guine Portuguesa, Bissau, w Anthem, S/on 0700 / Wood) 5/19, not 0600 as listed WRTH '71. (Dr. R.E.Wood)

GUYANA (FLASH) Action Radio, Georgetown, 0151, noted w EE religious prgm to 0219, 6/12; 3290. (d'Adolph)...(FLASH) Guyana Bccasting Svc, Georgetown, noted on new unlisted 3290, a probable move from 3265. S/on 0912, into Indian mx, presented in EE. (Dr. R.E.Wood)

KOREA (N) R. Pyongyang on new 9515, at 1700 S/on in FF. (August Balbi)

LEBANON Beirut moved from 11775V to avoid QRM de Moscow, now 11975, 5/24 to NA, 0130-0400. (Dr. R.E.Wood)...See last month's FS--this was not Lima as reported, but Beirut (Larry

NEW HEBRIDES In advice from Information Officer, Radio Vila has proposed ex- / Magne) tended bdcasting hrs, pending arrival and installation of an AWA 2kW SW transmitter.

SW operations at present shared with Marine Radio Svc, 500 watts. (Bob Padula) (FLASH)

NEW ZEALAND RNZ, 15110, replaces 15280 at S/on 0545 in // 17770; also at 0900, 11705 has replaced 11780 // 9520 in S/on, w EE news. (August Balbi)

INDONESIA RRI, Djakarta, now carries Foreign Svc on 6045 - eg, with Malay 0830-0900, EE 0900 with news. // to 11770, logged 6/8, 6/9. (Bob Padula)...RRI, Biak, 7210, observed strong lvl w local ID 0843, into Indonesian news. Listed 500 watts. (Bob Padula)

INTERNATIONAL WATERS RNI audible with pops around 2200 on 6205V when QRN permits. (Edward Insinger)...6204 RNI, 5/31, 2345, back into bigtime business. (Ed Shaw)...6205 RNI,

Int. Waters, 5/16 0500 Dutch, list day's prgms, supposedly off this day due to bomb attack, but observed at normal strength, modulation. (Dr. R.E. Wood)

JAPAN 17745 R. Japan, No. & Latin Amer. Svc now here, 0100-0300, 5/22, QRM. (Dr. R.E.Wood) ...FREN, AFRTS, Tokyo, 15260, strong lvl, 0500-0800 EE news on the hour. (August Balbi)

MALDIVES 4740 A registered reply to my tentative logged around 0105-0130, advises that this is not Maldives, dum it! Included current sked and fqys. (Don Jensen, Wisc.)

MALI 5995 R. Mali, 2230, all FF & native mx, frequent IDs, good lvl. (Ed Shaw)

MEXICO XBERMX, 21705, vy strong lvl, 1400-0300 checks; sometimes closes 0230 (Anthony

MOROCCO RTVM in EE news at 1715, on 11735, weak lvl. (Edward Insinger) / Marks, Ore.)

MOZAMBIQUE R.Cl. IM, PP nx of province, 15293.5, 1030, M&W amcs. (Dr. R.E. Wood)

NORWAY Oslo in EE, 1600-1730 on 17739, 17825, 21730, 21665. (Mark Dujmich)

SEE YOU AT INDY

PAKISTAN NF for Karachi is 15097.5V //17935V, 1755-1805 in AA, news 1800(Larry Magne)

PARAGUAY Rarely reported Radio Guaira, Villarrica, noted on 5978, a consistent drift from from 5975. In Guarani 1015, SS ID 1027, and into SS. (Dr. R.E.Wood)

PHILIPPINES R. Veritas, Manila, noted 15408 drifting badly at S/on 2330 with Lithuanian to USSR, Back on 15310 for Thai at 1010, after using 11838 short time(Bob Padula)

POLAND 15275 R. Warsaw S/on Eng/Pol to N. America 0200, // 11840, 15120, 9525, / ula) and 6135(all heard). (Dr. R.E.Wood)...Following amct heard 0320, 15275: "Our programs in English are bcst every evening. Our address is Polish Radio, Box 46, Warsaw, Poland....Your letter today, I'll answer tomorrow". (M. R. Leonhardt, Ind.)...Polish Radio, Warsaw, good nightly 0200 in EE to NA on 11840. (Edward Insinger)

PORTUGAL IBRA Radio (via Sines) now heard on 9660, ex 9575; Scandinavian 2030, to S/off 2100 with EE ID, mixed with ABC, Brisbane same fqy. (Bob Padula)

SAO TOME 4807 R. Clube, 2250-2300 S/off, definite ID, instrumental mx. (Ed Shaw)

SO AFRICA 6080 R. RSA replaces 5980, EE and FF to NA 2330-0320, // new 9560, ex-9705, old 9695, 11970. (Dr. R.E.Wood)...11885 SABC, Afrikaans Svc, religious talk, mx, 0800. (Dr. R.E.Wood)...11935 Springbok R., EE play 0800. (Dr. R.E.Wood)

SAHARA(SP) 7230 (TENT) (FLASH) Definite RNE IS heard, into trumpet solo, AA ID, with S/on 0758. European DXer reports MW outlet heard daily //, same format for this one(Ed Shaw)

SWAZILAND Members of Bonaire TWR Staff have gone to this country to set up a / Shaw) new station. Is not known whether MW or SW, or both. (d'Adolf)

SWEDEN R. Sweden new fqy to ECNA 15295 (ex 11825) outstanding lvl 0030-0100 EE(Larry Magne)... R. Sweden moved to 15295 to ECNA; 0000-0230//11705 to SA unchanged(Dr. R.E.Wood)

TAHITI 6134 Papeete at 0700 with OM in FF, rx, low lvl. (Ed Shaw)

TAIWAN BCC, 17720, good 0200-0320 in EE; also 17890, 17780.(Gary Goltz, Pa.)...BCC on 9765//15125 S/on 1700 in FF, 1800 EE, regularly heard. (August Balbi)

TIBET (FLASH) (VY TENT) Possibly Lhasa, 9490 here 6/18, 1220 w Chinese play, fade out 1300. Checked other Peking HS fqys, was not parallel. NO ID heard, help appreciated!

TURKEY R. Ankara S/on 2200 in EE, 15165, 15190(Mark Dujmich) / (Steve Kamp, Calif.)

UPPER VOLTA 4815 Ouagadougou logged 0600 S/on, into high life music. (Kris Lemna)

USA "Your attention please. R. station WWVH will be relocated to Kauai, (Hawaii) at zero hours GMT, July 1, 1971. First day QSL cards will be issued for correct reception reports. Address reports to the Frequency-Time Bcast Svcs Section, National Bureau of Standards, Boulder, Colo. Only reports postmarked within 24 hrs of zero GMT, July 1, 1971 will be honored". (M.R.Leonhardt)(Editor's note: this would have been more correctly listed if I had headed it "Hawaii")...WWV, 10000 running amct :03 past the hour saying will change format on July 1, 1971. This also applies to WWVH. Information is available from the National Bureau of Standards. (Gary Tonore, Fla.)

USSR(LITH SSR) R. Vilnius now 11775, 11790, 11850, 12030, and 12050, 2230-2258. In EE, sites vary, of course. (Larry Magne)

VATICAN 15425 VR in EE 0050, FF 0105 to NA, rather than 15420. (Dr. R.E.Wood)...VR continues to use 15420 in EE to NA 0050 daily. On 6/15, 0050 on 15290. (Edward Insinger)

HUMANIA R. Portugal Livre, clandestine vy good with PP prgming on 8333//9452, 11509V, 2320-2350 S/off.(Larry Magne)...

VIETNAM(S) R. Liberation, clandestine, heard with EE news 1030-1045 over 7470, a pretty good signal. Anncing parallel to 10010. Asking for reports to Paris QTH.(Jerry Berg, Mass) ...R. Liberation, semi-clandestine, seems to have dropped 15048; lately noted as 14990 //12110. Vietnamese except for 2000-2029 when is in FF. Beam is supposedly to Europe. (Larry Magne, Pa.)

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 6-4, FOR MAY 1971: 1-41, 2-46, 3-52, 4-59, 5-65, 6-64, 7-72, 8-70, 9-67, 10-73, 11-61, 12-62, 13-76, 14-73, 15-75, 16-81, 17-62, 18-43, 19-40, 20-40, 21-38, 22-30, 23-15, 24-16, 25-25, 26-35, 27-49, 28-65, 29-56, 30-58, 31-60
MEAN-53.8

PREDICTED: JUN-64 JUL-62 AUG-60 SEP-58 OCT-56 NOV-54 (Grady Ferguson, No. Car.)

ACKNOWLEDGEMENT: To all of those, both old timers and newcomers who so kindly supplied so much material and rousing support to this column. Your support is appreciated. Please come back again. Please, in reporting, write on one side of the paper only, double space between items. Your editor will be glad to answer technical or semi-technical questions in re receivers, etc., just please enclose an SASE. All replies in re the hobby are answered 100%, that has always been my policy. 73, AL