



"THE SWBC JOURNAL" OFFICIAL PUBLICATION OF THE

# NORTH AMERICAN SHORTWAVE ASSOCIATION

APRIL 1971

NASWA HEADQUARTERS

POST OFFICE BOX 989

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### RADIO TODAY IS NO MORE!!!

The handwriting on the wall has been evident for some months, but now it's official. Subscribers have received letters from Philip Price, circulation manager of Radio Today announcing the magazine's death, and offering to fulfill subscription obligations with either "73" or "S-9" magazine.

The state of the U.S. economy is blamed. And it is true that advertising revenue for radio hobby magazines is down. And, in fairness, Mr. Price apologizes "for having failed you in our advertising sales...". It is refreshing not to have a magazine blame its DX readers for failure! We've seen this elsewhere recently.

It seems to us that Radio Today made some basic mistakes, that, along with depressed economy, contributed to its demise. First was that from the beginning, the magazine's role was ill defined. Would it be a CB magazine? Would it be the long hoped for monthly dedicated solely to DXing? Would it cover all aspects of the radio hobby except amateur radio? Would its orientation be technical or non-technical? This uncertainty became obvious even before the first issue hit the news stands, when the editor wrote letters seeking editorial contributions. And after publication began, except for Hank Bennett's fine column, the editorial approach seemed ambiguous. One issue would be filled with manufacturers canned publicity copy, another with mostly CB related articles.

A second basic mistake, it seems, was the spacing of the issues. Skipping months, while a possible way of saving money while waiting for economic conditions to improve, was hardly the way to instill reader and advertiser confidence. One can only suspect that Radio Today was insufficiently capitalized to ride out the tough times any new magazine must. The fact that overall advertising money is tight now insured the failure of the magazine.

Unfortunately, many of the subscribers will feel that they have been taken down the garden path again. And the offer to complete unfulfilled subscriptions with "73" or "S-9", will not delight those who are interested in a DX magazine, not one devoted to the amateur bands or CBing. Equally unfortunate is the fact that these readers will be doubly suspicious the next time a new DX magazine comes down the pike.

Will we ever get a monthly magazine, national/commercial, devoted to DX? The odds seem very slim, but every ill-starred venture such as Radio Today that comes along and suddenly disappears, leaving many unhappy subscribers in its wake, only tends to add to those odds. The future does not look bright!

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Those NASWA members who have been writing Hdqs on the above matter must know that we cannot do anything, neither as a club, nor as individuals. While the offer made by Mr. Price does not please us, it nonetheless is bonifide. We went for the ride, so all we can do is settle back and enjoy the scenery. Up, up and away..No more Radio Today!!!

NEW MEMBERS, WELCOME!!!!

Charles H. Raitz, Metairie, Louisiana. Via World Radio-TV Handbook.

Marjorie M. May, Kensington, Maryland. Via Communications World.

Ronald S. Hyre, Schaumburg, Illinois. Via PE Communications Handbook.

Willard Weatherby, Russell, Pennsylvania. Via Communications World.

Ralph M. Scofield, New York, New York. Via PE Communications Handbook.

Kenneth Schnur, Brooklyn, New York. Via member Richard E. Wood.

Edward Breeden III, Raleigh, No. Carolina. Via Communications World.

Sheldon Chatlin, Detroit, Michigan. Via PE Communications Handbook.

Bill Barlik, North Olmsted, Ohio. Via Communications World.

A. G. Oldenquist, Sarasota, Florida. Via Communications World.

Adrain L. Vath, Waterloo, Ontario. Via PE Communications Handbook.

Cornelius Webb, Dallas, Texas. Via PE Communications Handbook.

George H. Beede, Northborough, Mass. Via PE Communications Handbook.

Vic Argabright, Larkspur, Colorado. Via Denver Post/Glenn Hauser.

David Clay, South Deerfield, Mass. Via Communications World.

Lawrence A. Hoppock, Valdosta, Georgia. Via Communications World.

R. Stephen Dildine, Jr., Arlington, Virginia. Via Communications World.

E. F. Stewart, Jackson, Mississippi. Via Communications World.

Joseph Saman, Waterbury, Connecticut. Via member John Mraz, Jr.

Peter Pompe, Kraainem, Belgium. Via World Radio-TV Handbook.

Jerry A. Reichman, Chicago, Illinois. Via World Radio-TV Handbook.

Michael P. Marinoff, Philadelphia, Penna. Via PE Communications Handbook.

Raymond T. Tufo, East Norwich, New York. Via Communications Handbook.

Ben Lewis, South Weymouth, Mass. Via ANARC/ Assn. of North American Radio Clubs.

William 'Pat' Patterson, Dallas, Texas. Via PE Communications Handbook.

Larry McKittrick, Winter Park, Florida. Via Communications World.

Thomas W. Baumann, Housatonic, Mass. Via Communications World.

Kent Badger, Freeport, Pennsylvania. Via PE Communications Handbook.

Gary H. Toncre, Miramar, Florida. Via World Radio-TV Handbook.

Mark L. Hanna, Amarillo, Texas. Via Electronics Illustrated.

Stanley R. Prince, Gary, Indiana. Via PE Communications Handbook.

David Schmidt, Anchorage, Alaska. Via Communications World.

Eugene J. Pieronek, Bloomfield Hills, Mich. Via PE Communications Handbook.

June Blackford, San Mateo, California. Via Communications World.

Donna Hickey, Washington, D.C. Via World Radio-TV Handbook.

Ronald E. Alvaro, Keyser, West Virginia. Via Communications World.

John Shanley, Jr., Pittsburgh, Penna. Via ANARC/ Assn. of North American Radio Clubs.

Hans H. Schulzensohn, Elk Grove Village, Illinois. Via 'Unelco' booklet.

Dave Hammer, Massillon, Ohio. Via Communications World.

Fred Klumpp, Mountainside, New Jersey. Via Communications World.

Charles P. Mohr, Jr., White Plains, N.Y. Via PE Communications Handbook.

Richard Hird, Belmont, Mass. Via PE Communications Handbook.

Jon L. Williams, Indianapolis, Indiana. Via member Al Niblack.

William J. Plum, Irvington, New Jersey. Via Radio HCJB, Ecuador.

Francis J. Brindley, Elizabeth, New Jersey. Via SWL Guide/Todd Graves.

Gordon Gladstone, Cincinnati, Ohio. Via a friend in NNRC.

Ernest Hendricks, Quakertown, Pennsylvania. Via PE Communications Handbook.

Douglas R. Munger, Santa Fe, New Mexico. Via PE Communications Handbook.

RENEWALS

Second year: James Ferretta, Alan Benson, Jack Callaway, Leon Segal. Third year: Robert Peltz Sr., Frank Barratt, Paul M. Steen, David Hart. Fourth year: Alan Roth, Roger Horie, Chris Stark, John Banta, Al Lisanti, F. Earle Hall. Fifth year: Andrew Pappas. Sixth year: Steve Bohac. (Nice to have you back gents. Thanks for your support!)

NOTE

Members joining or renewing after the 15th of the month will be listed in next months bulletin. Needless to say we are indeed pleased to have so many new members come aboard!

ANNOUNCING THE APPOINTMENT OF CORRESPONDING SECRETARY

Because of the volume of mail received at Hdqs and due the restricted amount of time to reply to it worthily/expediently, the Board of Directors has approved appointment of a Corresponding Secretary in personage of Edward C. Shaw, 415 North Shore Road, Norfolk, Virginia 23505. His office becomes effective immediately. He knows the in's and out's of DXing, and he knows the operation of the club (most of you will recall he took over recently while your Executive Editor was in hospital). Too, he is in complete agreement with present Hdqs policy.

Henceforth, all members who have questions regarding the club, are requested to write to ED instead of to Hdqs. If reply is necessary, an SASE must be sent with letter. He is not obligated to answer any mail that is not accompanied by SASE or, at least, return postage! Keep in mind that the main purpose of his office is to relieve club Hdqs of extra work, added burden of answering mail. This is not to say that NASWA is becoming unfriendly, but rather that it is becoming so large that one man can no longer keep pace, do justice befitting our motto in regard to mail received!

A few guidelines to remember: Do not send Ed mail that is better sent directly to one of the individual section editors. Do not send him membership fee's (renewals), notices of change of address; These are to continue being sent to club Hdqs.

We will have more info re Corresponding Secretary duties, etc., in upcoming bulletins!

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HELPING HAND SERVICEATTENTION PLEASE!

For sale: BC-221 freq meter w/power supply. In excellent condition. Write; Warren Nordgren, 2129 Linden, Waukegan, IL. 60085.

Wanted: Schematic for RCA AR-88, vintage 1955. Write; Serge Neumann, RR4 Box 252, Anderson, Indiana 46011.

Wanted: Drake SW-4A in good condition. Must be complete w/crystals. Write; Bob Estand, 8041 N. Loop Rd. #6, El Paso, Texas 79915. Exchange: Will send copy of 1969 WRTH to anyone in swap for copy of 1951 or older in good condition. Write; Ernest S. Behr, 731 2nd St.S., Kenora, Ont., Canada.

For sale: Haeth HD-20 Xtal calibrator 100 kHz, Eico 324-K signal generator w/manual, Drake AL-4 loop antenna for SW-4A, Drake 4-LF low freq converter for 2-B, 2-C or R-4B rcvrs, Drake 2-CQ speaker/Q multiper. Write; Steve Bohac, 97 Shaler Avenue, Fairview, N.J. 07022.

Wanted: Copies of October and December '70 Frendx. Write; Niels Falsig, Waerumsgade 4, 8000 Aarhus C, Denmark.

For sale: National NC-125 receiver with matching speaker. Write; Phil Fielding, 255 N. 1600 W. #108, Provo, Utah 84601.

Wanted: Letters from members who have/use Galaxy R-530 rcvrs. Am in need of info re best antenna or system to employ with it. Write; Ken Kabza, 5214 127th Ave., Tampa, Florida 33617.

Wanted: Used JoyStick antenna in good condition. Write Rick Anderson, 2331 Brown Ave. Evanston, IL. 60201.

Wanted: Drake R4-B or R4-A. Write; Henry Michalenka, 14 Brook St., Central Falls, R.I.

A few months ago member Rob Harrington of Englewood, Colorado offered to get copies of '71 WRTH for fellow members at discount. While we included an order form in Frendx, to be used by members interested, NASWA proper had nothing at all to do with the orders. Checks and/or money-orders were to have been made out to Rob and it was his responsibility to send orders to Denmark to be filled and mailed to members ordering. Of late we are getting mail saying no WRTHs have been received yet, though they have been on sale, stateside, for sometime. Rob has been notified of these complaints and tells us all orders were filled (sent to Denmark) but that due the postal strike in England, where WRTH is printed (sez Rob) some orders have been delayed. He is concerned, but wants all to know he is not at fault and assures all those who ordered WRTH via him will get them...in time! We request members do not write NASWA Hdqs on this matter...instead write direct to Rob.

"BEE--OO-TIFUL"

"I'm having a hard time trying to get myself snapshotted. The only one's I have were taken 25 years ago and although I cant possibly have aged a day, I dont have the heart to send one. I'll get one off to you soon, at your own risk." Marge M. May

Passover,	April 10th
Easter,	April 11th

LATEST AWARDS ISSUED

Awards manager-Warren Nordgren, announces the following members as receiving award certificates for their DXing efforts:

## WorldWide DXer Award

John Gager 50 countries  
 John Kolb 50 countries  
 Brent Hailpern 50 countries  
 Dave McLane 50 countries  
 Alvin Sizer 150 countries

## Missionary Award

Hiroatsu Matsuura 12 stations

## Continental DXer Award-North America

Craig Koukol 13 countries  
 Hiroatsu Matsuura 13 countries

## Continental DXer Award-South America

Hiroatsu Matsuura 10 countries

## Continental DXer Award-Oceania

Craig Koukol 8 countries  
 Hiroatsu Matsuura 8 countries

## Continental DXer Award-Europe

Richard Walsh 28 countries

## Continental DXer Award-Africa

Alvin Sizer 40 countries

•Nice going fella's!! Congrats to all!! Good to see some of our younger/newer DXers in there, including our man in Japan. And of course 'oldtimer' Al Sizer continues to add to his many other goodies.

WHAT!! AGAIN??

We've seen it happen a number of times! A club (Hdqs) fails to keep its members up to date, becomes almost dormant, is considered done. Latest example of this regards the FDXCI/Finlands DX Club International. There were no bulletins issued for three months, members were not notified as to why, did not hear from Hdqs whatever. There was an almost completely passive period on part of the Hdqs. The NA representative even went so far as to refund membership fee's that he had been responsible for in past. He did so out of his own pocket!

Now comes word that the FDXCI is not folded, but has reorganized. The Hdqs apologies for the three months of passiveness and informs members it will resume publishing bulletins but under new name "DX-Clusive" (formerly "Attention B"). Also the club will now work (be operated) in conjunction with Finlands largest DX club, the Suomen DX-Kuuntelijet. All this has some good and some bad. Bad in that due the lack of communication on part of the Hdqs caused the club to lose a number of members; Good in that it plans to resume operation, respect all former memberships. In any event, we wish them every success.

NOT CHARLEY BROWN, BUT KRAFT!

We have been told by a number of members over the months, that their bulletins are received, at times, in rather bad shape. Envelopes are torn or battered at ends, contents are frayed at edges. Too, many members are unhappy with the number of folds in bulletin. So, being we always effort to rectify such conditions and keep everyone smiling, we will try mailing bulletins in brown Kraft envelopes, 6x9 size. This will require only one fold in bulletins. Should also result in them being received in better shape because they are not so bulky. It is quite doubtful however that there will be any improvement in delivery service...even with the upcoming increase in postal rates.

ODDS and ENDS

Member Carroll Patterson of Georgia writes, "Since I am known by my nickname 'Pat', I would appreciate a statement in April Frendx that the 'Pat' Patterson of "Silly but Sound" (March Frendx) was not me. I'm not that witty." (Fact is, the 'Pat' Patterson in point was newer member William of Texas.)

Lil ole Wesley Huggins of Yadkinville, N.C. wants it known that his address was listed incorrectly in last months bulletin. We had him located in Raleigh. (Sorry y'all!!)

Hank Michalenka is willing to build kits for anyone needing the service. Interested parties can contact him for info re prices/rates, etc. at 14 Brook St., Central Falls, Rhode Island 02863.

Happy to give another plug to the new CDXQ, Quebec DXers Club which started out as a local and has already gone international. Its' bulletin, "A L'Ecoute" is written in both English and French, covers mediumwave and shortwave. Is edited by experienced adult DXers. For membership info and sample bulletin, send an IRC to: CDXQ, C.P.34, Sillery, Quebec 6, Quebec, Canada.

Response to survey in last months bulletin has been good to date. If you have not sent yours in yet, be sure to do so before 15th of April. Your cooperation appreciated!

Member John Hoogerheide, 3 Marquette Dr., Marquette, Michigan 49855, wants to hear from other members in the states of Mich., Wisc., and Minn. Drop him a line gents! We have quite a number of members in those 3 states.

.NASWA and FRENDX, best of SWBC combo's!!!!

NASWA PHOTO PARADE



John Soneff, Jr.



Anthony 'Ace' Marks



William Schultz



Jerry Blake



Alistair Faulds



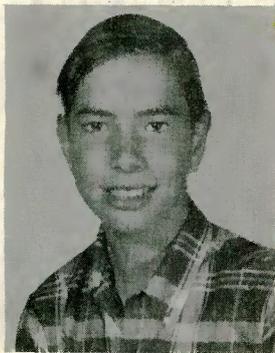
Vernon Westphal



Melvin Flannagan, Jr.



William Conner



Mike Clyburn



Mitch Lewis

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For info/data on these NASWA members whom we thank for sending pix, see next page. For those of you who have not yet sent pix, we again ask you be so good as to do so. Keep in mind that photo pages cannot regularly appear in our monthly bulletins unless we receive snaps or photo's to be used. Will YOU cooperate?

MEET YOUR FELLOW MEMBERS

1. John Soneff, Jr., New Orleans, Louisiana. A Public Health Technician for State of Louisiana, John is married and in his 4th year w/NASWA. Rx is a Hammarlund HQ180A, antenna is a Mosley SWL7. To date he has acquired 69 SWBC QSL's. While he prefers to SWL for international news and folk music (records latter when quality permits) he also finds interest in DXing when conditions are favorable. He reports to Frendx regularly.
2. Anthony Marks, LaGrande, Oregon. In his 1st year w/NASWA, Tony is married and is an employee of the U.S. Postal Service. At present he is serving as NewsRoom editor in Frendx. His rx is a Realistic DX150, antenna is a HyGain SW9. Mainly interested in the SWLing aspect of the hobby, he has 39 SWBC QSL's so far. Says he, "For a hobby which has present day values in education and a degree of knowledge necessary for achieving results, SWLing has extremely fascinating qualities."
3. William Schultz, Johnstown, Pennsylvania. A steelworker by vocation, Bill is single and a recent newccomer to NASWA. His rx is an Eico DX718 and he uses a longwire antenna. As a new DXer, he has 10 SWBC QSL's to date.
4. Jerry Blake, Fort Wayne, Indiana. Married, employed by International Harvester Co., new NASWAer Jerry uses a Lafayette Mark II rx and longwire antenna. Just beginning in the hobby, he has 4 SWBC QSL's so far and seeks to add many more which he hopes will also aid him in expanding his stamp collection.
5. Alistair Faulds, Galt, Ontario. Using a Normende GT-IV and an inverted 'L' antenna, Alis is single and a machinist by trade. New to the hobby and NASWA, he has no SWBC QSL's as yet. His main interest in SWLing/DXing is to gain an "all around" view of world policies and to have some "commercial free" listening.
6. Vernon Westphal, Ontario, California. A retired Purchasing Agent, Vern is married and just beginning in the hobby. A new member in NASWA, he has 14 SWBC QSL's collected at present. Rx is a Realistic DX150A, antenna is an inverted 'L' longwire. He enjoys SWLing/DXing English language broadcasts from various stations of the world.
7. Melvin Flannagan, Jr., Charlottesville, Virginia. Recently rejoining NASWA after a 'sojourn' Mel is single and a member of Masonic Lodge. His rx is a Realistic DX150 and he uses a Mosley SWL7 antenna. Interested in SWLing/DXing in general, he also collects recordings of old radio programs and photo's of trains.
8. Robert Seymour, New Stanton, Pennsylvania. (Mistakenly captioned William Conner!) Married and employed by Robert Shaw Controls Co., Bob is also owner/operator of a motel. His rx is a Hallicrafters SX122 and he uses a Mosley SWL7 and Murch 86D antennas. To date he has 20 SWBC QSL's and hopes to add more in future. Is a new NASWA member.
9. Mike Clyburn, Kissimmee, Florida. Joining NASWA recently, Mike is new to the hobby. Using an Allied A2515 rx and an inverted 'L' longwire antenna, he enjoys SWLing/DXing new stations and collecting SWBC QSL's (has 36 already!) as well as listening to news and views of different countries around the world.
10. Mitch Lewis, Raleigh, North Carolina. An SWL for 2 years, Mitch is a high school student. New to NASWA, he edits a local club bulletin "Triangle DX News". His rx is a Heathkit GR54, antenna is an inverted 'L' longwire. His current SWBC QSL count is 22. He enjoys 'country hunting' and reception reporting.

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We are always interested in your comments/opinions regarding photo pages, whether they be favorable or not. Current consensus shows that majority of members appreciate them and have, or promise, to support them. Presently, NASWA, via Frendx, is the only USA club to include such pages; It does so to additionally promote the "Unity & Friendship" motto which, contrary to some beliefs, has no whatever relation/connection to any political, racial or "hippie" factions. It simply relates that we, as fellow-hobbyists, are enjoined together as friends hoping to give/receive benefits concerning our hobby. The support given these pages may not be as 'worldly' as that given the DX sections, but it is nonetheless important in that it is proof we care to share, just a bit more!

Exclusive

Exclusive

THE LOUDENBOOMER REPORT

Who's Who??? That's the latest game, now being played by an "in" group of DXers. It involves figuring out the real identities of certain personalities who are supposedly hiding out behind assumed names or organizational fronts.

Yours truly has probed into the lives of some of these mystery men..and women.. with the hope of ferreting out their real deep dark secrets. And, though this should come as no surprise to those of you who have come to know and expect the extraordinary from Loudenboomer, I've had a remarkable degree of success.

I eased into the Who's Who game by figuring out who masquerades as the infamous T. X. Thrush. But then, who hasn't, eh? So I pushed on to slightly tougher tasks, like discovering which magazine editor and his wife operate a certain mail-order house that handles SWL supplies, and what silver masked scrivener turns out those lists of police frequencies. But others are much harder!

Did you ever wonder who the real Mrs. Eugenia Stepanova is? I mean like, how can one woman answer all those thousands of reception reports sent to R. Moscow?

It took lots of digging, I tell you, but the answer is simply that Mrs. S. does not exist! The name is a nom de plume used collectively by a battery of young women who answer R. Moscow's mail. It seems, though they shun publicity, they are moonlighting members of the R. Moscow Dynamo-ettes, a woman's soccer team, who, after a hard days go at the stadium, catch a tram to the R. Moscow building for a few hours of typing QSL's.

And how about the former ANARC executive secretary, Gray Scrimgeour? I'll admit I have not gotten to the bottom of this case yet, but have learned that he formerly went under the name of Gerry Dexter, and before that, Donald Jensen, both past exec sec's. It seem's, whomever he may be really, he has repeatedly changed identities in order to maintain ANARC leadership and build the organization into an all powerful, super DX club over which he will reign as Czar.

Unfortunately, in recent months, the man called Scrimgeour, has dropped from sight. However, I have my suspicions and shortly leave for Prairie Village, Kansas, for further investigation which I am certain will uncover interesting facts.

And next, a revelation that may spark a scandal in the North American Shortwave Association. Still, it should be made public, if for no reason other than to keep the record straight for the all of the DX world to know.

While NASWA undeniably has one of the finest editorial crews in the business today, truth be known, they are flying under false colors! For reasons yet unknown, these chaps are not who they really claim to be!

In reality, Dan Ferguson is actually Gregg Calkin and Calkin is A.R. Niblack. On the other hand, Niblack is Bill Matthews and Matthews is a Floridian named Ferguson. And, furthermore, Tony Marks signs himself as Hank Michalenks, Michalenka operates under the name of Marks. Confusing, no???

But the real shocker though, is the identity of the executive editor. The fellow called Bill Eddings is known to close intimate friends only as Spiro T. Agnew!!!

In fact, and strange as it may seem, the only guy in the club hierarchy who goes by his right name, is one Charlie Loudenboomer!

How does that grab ya????

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(NOTE: As you well know, Friendx reaches all parts of the DX world. This being so, our boy Charlie has become accepted and welcomed throughout. Should you happen to be member of certain clubs located abroad, you may find his reports included in their bulletins. These will be reprints of previous CL's that originate in Friendx. Permission has been granted them to use, both by Charlie and by NASWA. Thus, should you see them appearing, do not write Hdqs on the matter unless they are not given proper credits. Thank you!

And to the newer members of NASWA who have been writing inquiring as to these reports submitted by Charlie...YES, he is real...only his writings are sometimes a bit 'far out' to make for a little humor and/or interesting reading on topics of DXers, club & hobby.)

ANARC REPORT

By NASWA-ANARC Rep. Gray Scrimgeour - 227 Hanna Road, Toronto 350, Ontario - Canada

ANARC Merit Awards.

Gerry Dexter, chairman of the ANARC Awards Committee, has announced that two NASWA members are the winners of the first two ANARC Merit Awards. They are Al Niblack of Vincennes, Indiana and Frank Peters of Chicago. Both are well known for their many years of fine DXing, and Al as an editor in FRENDX and Frank as a rep to ANARC and worker for the hobby. Merit Award Certificates have been sent to these two gentlemen. Congratulations from ANARC and from NASWA to both Frank and Al !!!

Another three merit awards will be announced in the next few months. The certificates are given out on a periodic basis (no more than 12 per year) to deserving DXers such as club leaders, long-term editors, a single or series of outstanding DX loggings, or promotion of the hobby. Anyone in the world may be nominated. The Awards Committee gives full and careful consideration to each nomination, on a basis much like the hall of fame in baseball.

Any member of an ANARC-affiliated club may make a nomination or recommendation by sending four copies of a nomination letter (with reasons for the nomination) to Gerry Dexter, Rt. 1, Maple Road, Lake Geneva, Wisconsin, 53147.

ANARC Man of the Year Award.

This award is given each year to a DXer who has given outstanding service to the hobby. The announcement of the award is made each year at the annual ANARC convention. Nominations for 1971 can also be sent to Gerry Dexter.

1971 ANARC Convention.

Two cities so far have offered to host the 1971 ANARC Convention. Serge Neumann and Kris Lemna have volunteered for Indianapolis, Indiana, and Mike Northam has extended an invitation on behalf of IRCA for a convention simultaneously with the IRCA meeting (to be held in either San Diego, Richmond, Va., or Toledo). The voting on the convention site will take place within a month. No matter where the 1971 convention is held, I'm sure that there will be a fine meeting - a good chance for many DXers from both near and far to get together. Each of the possible locations has a number of fine radio listeners, with many others living within easy travel distance.

DXers' Census.

Many replies are being received as a result of the announcements over HCJB and the article on ANARC in the latest issue of "How to Listen to the World." I will soon be tallying the results of the poll of non-members, and Phil Sullivan is still working on the monumental task of compiling the mass of data received from ANARC club members. Also, there are results being received from many DXers through Todd Graves' SWL Guide.

Although you may not hear frequent reports, a lot of work goes on all the time by other ANARC committees such as the QSL committee, the Frequencies Recommendation committee, and the BCB station liaison committee. Also, ANARC keeps in touch with the European DX Council and with Arthur Cushen for the New Zealand DXers. There are the ANARC programmes on Radio Nederlands, and also a continuing campaign to give publicity to all the member clubs of ANARC. All - as with every job in the DX hobby - by volunteers, working with your best interests at heart.

And there'll soon be another committee, working on the 1971 summer ANARC Convention. A weekend full of fun, chats with other DXers, and possibly radio station tours, equipment demonstrations, a chance to see some exotic QSL's and to learn a lot more about our hobby. Most DXers find that a good convention or gettogether gives them that extra burst of enthusiasm to get back in the swing of DXing in September.

Best wishes for this month, G r a y

## SPY "NUMBERS" STATIONS

(continued)

Another make up one segment of the Clandestine broadcasting spectrum of which is published or seems to be known. Yet these stations can be heard any time broadcasting, in any one of a variety of languages, a long series of meaningless messages to unknown audiences. Meaningless, at least to the average listener.

These stations usually begin their transmissions without any voice identification, but some of them use a signature tune, or chimes, symbols or even buzzers, to serve as identification for the transmission. The announcers - male or female - then read long lists of numbers - in four or five figure groups. Having ended its numbers broadcast, the station suddenly goes off the air. These stations have long been suspected of being involved in espionage activities and of passing information or instructions to their agents abroad. Monitors believe such transmitters are based in such countries as the G.D.R., Czechoslovakia, Poland, Cuba and even the U.S.A.

To illustrate how the coded numbers system works, let us briefly look at the testimony of an American, Robert Glen Thompson, who was charged with spying for the USSR. During his trial he said: "each broadcast began with the call "Amur kriknet Lena" (in English - "Amur calls Lena"). Then followed a list of numbers in groups of fives. I checked the date on the calendar and then took one of thirty-one cards that told me which numbers I had to deduct from the ones announced over the air. After adding up each group of numbers there was only one more step necessary to decipher the message - that was a sentence similar to "The quick brown fox jumps over the lazy dog". This sentence contains every letter in the alphabet. Each letter is numbered 1 to 35. The "T" in "The" is number 1 and the "g" in "dog" is number 35. Thus - a final combination of numbers say 7-11-19-3 would have told me to "COME"- C-O-M-E."

And that is our story on the "numbers racket". Many thanks to Radio Canada who broadcast much of the above information in their Radio Canada Short-Wave Club programme on May 20, 1968.

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## POWERFUL NEW SHORT WAVE TRANSMITTER READY IN TIME FOR MUNICH OLYMPICS

Forty miles west of Munich, near Ettringen in the Wertachtal, Europe's largest short-wave transmitter complex is under construction. The Bundespost is installing the complex for Deutsche Welle, which at present transmits 89 short-wave programmes in 33 languages all over the world. Deutsche Welle's existing transmitters and relay stations in Julich, near Cologne, Kigali, Rwanda (Central Africa), and Sines, Portugal, have given stalwart service but are no longer adequate. The two most powerful transmitters to date have been the two 250-kilowatt units at Kigali. Wertachtal is to boast twelve 500-kilowatt high frequency transmitters. They will be linked by remote control with 67 aerials. The aerials are or will be between 35 and 125 metres (115 and 400 ft.) in height and so arranged as to resemble a three-armed starfish extending over two kilometres (a mile and a half) in one direction. Directional aerials and what for the layman is a confused tangle of cables are to be erected by Brwn, Boveri of Mannheim. Power is fed to the aerials by hollow conductor cables specially developed for the purpose and the first of their kind in the world. The cables were developed by Felten & Guillaume of Cologne and Gutehoffnungshutte cable division of Hannover, two firms that are normally fierce competitors and joined forces solely for this contract. The two firms manufactured equal amounts of the total 53 kilometres (33 miles) of cable on identical, specially designed machines. For transport reasons the cable was delivered in 180-metre (200-yard) lengths.

Wertachtal cable is nearly 25 centimetres (ten inches) in diameter and will go down in the history of technology as the bulkiest in the world. It consists of two cocentric metal tubes joined at short intervals by tripod supports made of Teflon, the synthetic material used in non-stick frying pans. Shorted at both ends after installation the two tubes form a complete circuit. The alternating current maintained at a steady frequency and the modulation that transmits the news travels in one direction along

the outer surface of the copper inner tube and in the other along the inner surface of the outer tube, which consists mainly of aluminium with a two-per-cent admixture of manganese. The two tubes also differ in the way in which they are manufactured. The aluminium tube comes in spirals, the copper in rings, the idea being to ensure that the combination is both flexible enough for laying and sufficiently rigid once in position. The result is a saving in both tube thickness and weight. The copper inner tube roughly ten centimetres (four inches) in diameter is only six tenths of a millimetre (24/1,000ths of an inch) thick. The aluminium outer tube, which is approximately ten inches in diameter is two and a half millimetres (1/10th of an inch) thick. The two tubes also differ in the way in and inner conductor is maintained during use at a pressure of four atmospheres with the aid of dry compressed air and special valves. The compressed air serves two purposes. It provides insulation between the two conductors, ensuring that no current jumps from one to the other. Also, due to the molecular density, it makes it easier to draw off excess heat.

It is a well-known fact that electrical resistance in the conductor always leads to a loss of power in the cable. This vagrant current is transformed into heat. In the Wertachtal cable two thirds of the heat loss occurs in the inner tube and one third in the outer tube. Assuming a maximum outside temperature of 35 degrees centigrade and maximum frequency of 26 megahertz, or twenty-six million oscillations per second, the inner tube must not reach a temperature of more than 140 degrees and the outer tube no more than 75 degrees centigrade. The compressed air draws off excess heat from the inner conductor and directs it towards the outer conductor, which in its turn is cooled by means of conduction, convection and radiation. Heat is drawn off at all points where the cable is mounted on supports or fixed in some other way. Convection is used during its travels underground, which account for eleven kilometres (seven miles) of the total length. Radiation is resorted to at and above ground level, the cable being mounted on prestressed concrete supports.

The German Tribune... via Richard  
Anderson

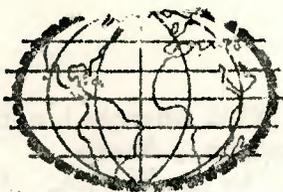
(text adapted)

A MESSAGE FROM THE  
EDITOR

As you will note elsewhere in this edition of FRENEX, this will be my last section in NASWA-FRENEX. My resignation was submitted in October 1971 and a sufficient time was given so that a suitable replacement could be found. Ralph Perry has agreed to be the new Short Wave Center Editor. All articles still in my possession will be sent to him. I strongly urge you to support (and continue to support) him with articles. Now an observation of my own - there has been some criticism regarding content of the SWC.....if YOU are not satisfied, what steps have YOU taken to help better it. A valiant few cannot always write articles - certainly the SWC Editor cannot and should not be expected to write.....he must use what is sent to him. Instead of complaining, do something POSITIVE and write an article. We have always been pleased to use articles written by our members (subject to certain rulings), but when they are not at hand, material must be used from other sources. The matter of my resignation has to do with various disagreements on a variety of subjects. There is no reason to go into detail, I feel, however, let me add that I am most grateful for the fine support which has been given to the column while under my editorship. Membership support is not one of the reasons for the resignation. I am remaining a member of NASWA (having recently renewed again) and expect to become quite active again DX-wise. For your general information, I remain as Editor of the TV QSL CORNER section in the monthly bulletin of the WORLD WIDE TV FM DX ASSOCIATION. My regards to you all.

Good DXing,

Bill Matthews



# SHORTWAVE CENTER

-FEATURES/ARTICLES-

WILLIAM A. MATTHEWS - EDITOR  
P. O. BOX 15306  
COLUMBUS, OHIO 43215

Deadline 15th of the Month

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## THIRTY-THREE YEARS OF DX - "DXING IN THE WAR"

T. B. Williamson

The summer of 1939 dawned hot and beautiful; and this is important in England, for the average Britain grumbles heartily about his awful weather! However, that year was beyond complaint, just beautiful...and to top it off, so were DX conditions!

But, little did we realize it, our world was about to be shattered forever. The first signs were sporadic; the air above us now contained the daily patrols of green and brown fighter planes, the famous Hurricanes and Spitfires of the R.A.F., the updated version of Britains "Thin Red Line". This was the name used to denote the defensive formations of British infantry in older days. Then came the issue of respirators against gas, the somber declaration of war on September 3rd, and the long weeks of inaction, known as the "phoney war"! I had by now left school and was awaiting admission into Medical College at age 17, which meant a few months to go, which were spent working in a local bank. At nights we took turns sitting up watching for firebombs, as it was thought that the Luftwaffe would attack at night with incendiary bombs. However, since the nights at first were quiet, this provided a good opportunity for some DX sessions with my friends, including regular listening to WDJM (formerly W4XB) in Miami with a fabulous signal nightly on 6040 khz. Other good loggings included KGEI San Francisco, VUD3 Delhi, VLR Melbourne, and at Christmas TIEP Punta Arenas, Costa Rica, "Ecos del Pacifico" with greetings in English to Britain, from the station staff.

1940 opened quietly enough...but soon it was anything but that! Occasional daily sorties by German bombers commenced. Little did I know just how dangerous my home-town was going to become, as South-Eastern England became the main battlefield of the air. April, however, provided some good DX with XEXA, VONF Newfoundland, HRP1, in the 6mhz band, HP5K and HP5A in Panama City and many new mystery stations of bizarre wartime creation. Such political propaganda stations as the "NEW B.B.C. STATION" on 6 mhz, MTCY Hsinking Manchukuo 11 mhz, and others; the latter used 100 KW even then! The log-book for the rest of the year is remarkably scanty. The advent of good flying weather brought the Luftwaffe out in strength in the daytime. We had to get used to Sunday lunch being disturbed, as all hell broke out, explosions, smoke, flashing whining planes, many of them now with black crosses on their fuselages, cavorted above our heads. The monotonous rattle of machine-guns and cannon became the pattern of life for many weeks. Not very conducive to DX! But a few good loggings were made -- PSE Rio with the Brazilian Hour, HCJB heard for the first time on 24.08 meters at 03.30 on June 23rd, and a real rare one...Radio Eirann, Eire, on 6 mhz at 15.00 on July 14th!

After that famous arduous summer of the Battle of Britain, German air attack switched to night bombing. In the winter I commenced my medical studies, away from home and the South-East. DXing was confined to vacation times, in bomb-free intervals. By the next year radio propaganda had become more varied and widespread, and 1941 gave several interesting stations: Radio Brazzaville "The Voice of Free France", and on the opposite side TPZ Radio Alger with it's signature tune march "Turkish Patrol" and call "Avec le Marechal, famille, travail, Patrie", in support of the Vichy government and Marshall Petain. Indonesia was still Dutch in those days, and PMA at Bandoeng was well received most days on the 18 mhz band, with the call "Hier ist der NIROM de Batavia" and English language programs. The best entertainment, however, came from Cuba! A mighty signal nightly was heard from Havana COK with Latin dance rhythms and competitions, with English announcements.

THIRTY-THREE YEARS OF DX  
(continued)

More political loggings were non-Communist China XGOY at Chungking, XGRS Shanghai with pro-German broadcasts, the Deutsche-Freiheit Sender (Free German Station), Radio Azad-Hind (The Voice of Free India) and Radio Metropole, supposed to be in France. A tragic note was added by the Singapore station "Radio Shonan", and Saigon, both operating under capture by the "Broadcasting Corporation of Japan".

By 1943, Allied war correspondents were to be heard over "AFHQ North Africa" on 9040 khz, and FXE Beirut was announcing as the "Fighting French Station Radio Levant". Despite night bombings regular entertainment came our way most evenings in English from PRL8 Rio, Radio Nacional, in English. Later that year and following seasons came unbelievably powerful signals from the Argentine "trio" on 9 mhz band, LRX El Mundo, LRY Splendid and LRS Belgrano, which set the dial pulsating to the throb of tango rhythms from Buenos Aires. This was indeed the "Golden Age of the Tango".

The logbook reflects the changes in military fortune, as Algiers became "United Nations Radio", and a new one was heard "Radio Tiberi, the Voice of Liberated Rome" on 8600 khz. By 1944 Allied Expeditionary stations were heard from Jerusalem, and other places, with the "British Mediteranean station" on 9666 khz. Almost as a harbinger of peace, Christmas Day 1944 brought a new voice to the dial - Canada's powerful Sackville station CHTA, Radio Canada!...relaying the Kings Speech. On 4800 khz the same day YVIRX Maracaibo announced as "Ondas del Lago...por la destruccion del totalarismo y la victoria de la democracia".

Some unusual stations were operating from the West Coast U.S.A. in those days -- KROJ Los Angeles, KWID San Francisco, etc., and the Voice of America was heard from KRHO Honolulu on 17800 khz. The war in Europe finished, and the emphasis switched to the Pacific. P.O.W. messages were heard over VLI3 Sydney, VLG7 Melbourne, etc. Finally on August 15th the announcement of Japan's surrender was logged from Canada, Uruguay, Chile, Delhi, and Mexico City! The world was once more "at peace"...the changed world of Aldous Huxley!

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GREY CUP GAME MOVES TO BERMUDA

The men of Canadian Forces Base Bermuda, doomed to spend November 28 in balmy climes under azure skies instead of taking in the Grey Cup game in Toronto, figured a way out of the problem.

They brought the game to Bermuda. They call it the Oleander Bowl and it's a one-quarter-size football field marked out right down to the hash marks. Canadians and bemused Bermudians were given the colors of the East and West clubs as they file into the stadium. There was a parade with floats, cheerleaders and half-time entertainment. There were a referee and two other officials on the field--no players, but three officials. The crowd listened to the game on short-wave receivers as the play-by-play was beamed in from Canada and as the ball moved up and down the field, the officials moved a ball in similar fashion. Everyone cheered like mad.

The entire week had the Grey Cup festivities going on, including a giant raffle. The prize? Plane fare to Toronto and two tickets to the original production.

KWS via Robert E. Byers  
(Canada)

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TCNA

Twenty years ago TCNA first began Telling Good News Abroad. A lot has happened since that great day--August 6, 1950. Guatemala has changed. The world has changed. TCNA

TGNA  
(continued)

has changed. Only the message that the station proclaims has not changed--Salvation.

TGNA's Goals are:

1. A 24-hour program day
2. Separate frequencies with separate programming to meet different needs:
  - a. For evangelism we must reach unsaved people with high class secular programs such as good music and reliable news with micro messages inserted throughout the program day to catch the listener's ear with the Gospel.
  - b. For edification we must provide good solid Bible study and doctrinal programs to feed Christians.
3. Production of TV spots for commercial television stations.
4. Repeater stations to reach the areas of Guatemala that do not receive our signal clearly.
5. A correspondence staff adequate to answer each letter that comes to us.

At Present, the following Priority Projects are underway:

1. The construction of adequate studios and offices for both radio and television production. We hope to break ground in early 1971.
2. Operation Nightwatch. This is 24 hours a day programming that will cost an additional \$250 a month.
3. A completely equipped news department including mobile units, remote control and additional personnel. This involves an investment of \$5,000 and \$500 a month.
4. Recording equipment for radio and television. (Cost depends on whether we are able to get new or used equipment.)

TGNB was recently reactivated on the 31 meter band, 9505 khz, as a part of the station's outreaching.

Central American Bulletin  
via Richard Anderson

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THE DAYS OF DX  
Richard L. Murphy

One of the pioneering short wave radio clubs was the World Radio Reception Club of 7318 Woodlawn Ave., Swissdale Station, Pittsburgh, Pa. which operated in 1932. From the year of 1936 we have such clubs as the International DXers Alliance, Society of Wireless Pioneers, U.S. Radio DX Club, Radio Club Venezolano, The World Wide Dial Club, (get this one) International 6000 to 12,500 Mile Short Wave Club (what about the stations only 5998 miles away?), Globe Circler's DX Club and Radio Fellowship Short Wave Club of New York.

On the bands in 1936 were SPW, Poland, 13635 kHz; ZEK, Hong Kong, 8750 & 5410; VPB, Ceylon, 6050 (500 watts); ETA, Ethiopia, 7620, 16180, 18270; CR6AA, Lobito, 7177 (500 watts); and KIO, Hawaii, 11630.

There were also some stations in the Philippines with U.S. call letters, such as KZRB, KZEG, KZRH, KZHS, and KZRM. The Philippines were not independent in 1936 and the "KZ" prefix was for the commonwealth.

A station, KRHO, in Honolulu, which was later V.O.A. connected and it operated on 17850, 9650, and 6120 kHz.

Yet the "elusive" DX stations could also be heard in the 1950s. Israel was using that 9009 kHz frequency from 15.15 to 15.45 GMT, with English. Station DUH5 in Manila was testing in English and this would have been a good catch for anyone, considering the

THE DAYS OF DX  
(continued)

fact that DUHS was on 11840 with only 250 watts. Over in North Borneo (now Sabah), Radio Sabah was on 5980 kHz and could be heard at 0600 GMT with BBC news. Hanoi was on 7019 kHz in Vietnamese and English at 1030 GMT. Another frequency used by Hanoi was 11840 kHz. Two stations that were rare were Radio Suva on 3980 kHz and 5980 kHz, both with 250 watts and VSZ10, Tarawa, on 6050. Station EQC, Iran was scheduled for English at 15.45 GMT on 9680 kHz. Radio Ulan Bator was using 10380 kHz from 18.30 to 19.30 GMT for their home service. While Radio Baku also had a limited sked, being on the air from 2300 to 2345 GMT on 9840 kHz. A very rare station was ZK1ZA, Cook Islands, on 4965 kHz. They had a sked of 2327 to 0030 GMT, Wednesdays only.

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U.S. - SOVIET RADIO WAR RAGES ON

The second Soviet-American radio war, now more than two years old, has reached a new high in static between Moscow and Washington as transmitters of both countries jam each other's broadcasts.

The first radio war began after World War II, when the U.S. created the Voice of America as its official radio voice overseas. Stalin did not approve, and the Soviet Union built immense transmitters that broadcast shrill noises on American frequencies to prevent the Soviet people from hearing Washington's side of the news.

The United States retaliated by putting one VOA broadcast on the same frequency used by Radio Moscow, jamming it out of Communist Eastern European states.

On June 19, 1963, the Soviet Union abruptly halted its jamming operations for no apparent reason. In August, 1968, when Soviet troops led an invasion of Czechoslovakia, the Russians resumed their jamming of VOA frequencies. U.S. officials believed this was only a temporary expedient. But a year later it was still going on, so the Americans counterattacked by resuming VOA transmissions on a frequency of 173 khz. to interfere with Radio Moscow. And there the situation remains.

The million-kilowatt VOA transmitter in Munich, West Germany, overrides Radio Moscow broadcasts in Eastern Europe but not in the Soviet Union itself, where Radio Moscow's half-million-kilowatt transmission still holds sway. The State Department has declared its willingness to take VOA off Radio Moscow's frequency if the Soviets would end their jamming, and has offered repeatedly to discuss the issue with the Russians. The latest such offer was made in July, but the Soviets replied that jamming was an internal matter. The Communist party newspaper Pravda recently attacked U.S. Information Agency Director Frank Shakespeare, who oversees VOA, charging him with peddling anti-Soviet propaganda.

While the Americans interfere with only one Soviet frequency, the Russians have been jamming all 36 frequencies on which the Americans beam Ukrainian, Armenian, Georgian and Russian language broadcasts eastward. The United States claims the Soviet jamming is illegal under the postwar Copenhagen Convention, which the Soviet Union signed. But it says its counter-broadcasts are not illegal because neither West Germany, where the transmitter is situated, nor the United States is a signatory.

The Soviet Union contends that as a sovereign state it has a right to control use of its air waves. It also maintains that western broadcasts, if they went unjammed, would give the Soviet people a distorted view of western ideas.

Taken from the Texarkana Gazette,  
(UPI) via Larry Zamora.

THE NIGERIAN BROADCASTING CORPORATION'S MR. ACHEBE - A PROFILE IN VERSATILITY

Edward J. Pyatt

Chinua Achebe, Director of the External Services of the Nigerian Broadcasting Corporation is a man of many talents. In addition to heading that section of the N.B.C. that is heard around the globe, Mr. Achebe is Nigeria's foremost living novelist and one of the most renowned Black writers in the world.

Mr. Achebe is the author of four novels: Things Fall Apart, No Longer At Ease, Arrow of God, and A Man of the People. These books have been widely read by the English speaking people of the African continent as well as by other peoples interested in Africa, its peoples and traditions. Mr. Achebe has artistically presented, in his novels, an anthropological view of his changing society. He has successfully embraced time in the past and time in the present. The intermingling of the poetry, the lore and myths of his Ibo people with the prose of the daily activities of these vibrant Africans show the reader how the destinies of his individual characters are swayed not merely by the inner and individual needs of their personalities, but by the pressures exerted upon them by the tribal and social groups to which they belong as well as the foreign western influences to which they are subjected.

This author's people live and breathe. I laugh and cry with them. I dance and sing by their side. It is life in its fullest drama. I was continually charmed with Mr. Achebe's reference to proverbs and have chosen one to relate here. One must appreciate the charm of a story for each and every happening. The following is one such story. This concerns the mosquito and why it bothers to buzz the ears and cause us annoyance. "Mosquito had asked ear to marry him. Whereupon Ear fell on the floor in uncontrollable laughter. How much longer do you think you will live, she asked? You are already a skeleton. Mosquito went away humiliated, and any time he passed her way he told Ear he was still alive." (from Things Fall Apart)

Although he is contemporary, I was able to learn only sketchily about Mr. Achebe's background. He was born on November 16, 1930 in Ogidi, Nigeria to Isaiah and Janet Achebe. With six years of village schooling and a scholarship, he went to a government secondary school in Umuahia. From 1944-47 he studied at Government College, Umuahia and won a scholarship to study medicine but switched to the liberal arts curriculum and became editor of the student magazine. In 1953 he received his BA from University College and settled in Lagos. In 1954 he went to work for the N.B.C. In 1958, Things Fall Apart, his first novel, was published. It quickly became a classic of modern African writing. Critics of Africa, Europe and America acclaimed it upon publication. In 1961 he married Christie Chinwe Okoli and they have a daughter, Chinela. His latest novel, A Man of the People, was published in February, 1966.

Mr. Achebe's novels make us aware of the cultural forces at work. He does not give us the rosy promise of a future with easy solutions nor does he neglect the case for hope. He leaves both for man to work out. Mr. Achebe perhaps uses the socratic method. He asks and probes, he opens one's mind, but he does not give answers. Indeed this is refreshing. So hats off to a very distinguished Black African writer who, in a very significant way, is a full member of the shortwave fraternity.

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UNDERGROUND RADIO IN KUIBISHEV

MOSCOW--Unlicensed "pirate" radio stations, somewhat on the model of the British Radio Caroline, have been springing up throughout the Soviet Union, broadcasting Western rock and roll music and "politically inspired gossip and decadent tittle-tattle." An official crackdown is said to be meeting with a degree of open opposition.

"Radio hooliganism," as pirate radio is officially called, stems from an educational handbook on do-it-yourself radio building issued in the middle Sixties. The hobby was soon taken up in earnest. Recently in one industrial area 115 illegal broadcasts

UNDERGROUND RADIO IN KUIBISHEV  
(continued)

were recorded in a five hour period.

As with Radio Caroline, one official complaint is that the unlicensed transmitters interfere with emergency communications. A newspaper in the Volga region, for instance, reported a case where pirate broadcasts interfered with an airstrip's control tower wavelength and prevented the talking down of a crippled plane. Another paper declared, "The wanton sons of the ether are stifling the State's radio communication lines."

Some stations are criticized for their political commentary. Radio Camomile, run by a young girl, is said to have peddled "full blooded reactionary rumors" in the area of Kuibishev. But Izvestia reports that it received a number of dissenting letters when it ran an article attacking the pirates.

Rolling Stone Magazine...via  
Bill Martin

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SURVEY IN LIBERIA

One of the first audience surveys of its kind done in missionary radio is now nearing completion by Radio Station ELWA, SIM's broadcasting arm in Liberia.

Daystar Communications Inc., a missionary research agency, conducted the survey under the supervision of SIM special consultant Dr. Howard Dowdell.

Specially-trained Liberian university students polled a random audience of 1200 listeners to Liberia's English broadcasts. A total of 10,000 coincidental time-unit checks was also made. Completed questionnaires and time-check data are being processed by computer to give ELWA accurate information about the attitudes of radio listeners, and the effectiveness of the programs aired.

AFRICA NOW via Richard Anderson

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RCA AND 4VEH

From \$13,000 worth of equipment given to Radio 4VEH by RCA, four teletype machines are presently in service 14 hours per day, furnishing the 4VEH news department with Spanish and English news from United Press International.

The 4VEH French news department translates the Spanish and English news--a more efficient method than transcribing short wave newscasts. An additional teletype machine has been programmed to type the daily station logs for all four language broadcasts--English, Spanish, French, and Creole. Three Haitian young men have been trained to operate and maintain the equipment.

MISSIONARY STANDARD ....via  
Richard Anderson

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RADIO NEDERLAND - AUDIO COURSE

In recent years Radio Nederland has been providing popular courses for the more technically-minded listener. The courses are broadcast in our weekly English-language programme "DXJuke Box", and the texts and diagrams are supplied free of charge. In some cases the printed material remains permanently available.

In April 1971 a new course will be launched, covering the field of audio. Written by a professional audio and acoustics consultant, the new course will deal in twelve

RADIO NEDERLAND - AUDIO COURSE  
(continued)

lessons with such matters as human hearing, sound sources, microphones and their characteristics, loudspeakers and their positioning, amplifiers, pre-amplifiers, tape and disc recording, etc., etc. Enrollment is now open, and applications can be sent to the Radio Nederland, P.O. Box 222, Hilversum, Holland.

Radio Nederland

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ADDITIONAL OFFERS

TECHNICAL COURSES

Radio Nederland's Technical Courses previously broadcast in 'DX Juke Box', proved so popular that it was decided to re-issue some of them in the form of postal tuition. The following are available:

SHORTWAVE PROPAGATION COURSE

Compiler : Jim Vastenhoud

Number of lessons: 12

Subjects covered : The sun, the earth and its ionosphere, the F2-layer, the earth and its orbit around the sun, World contour charts and their interpretation, Do-it-yourself propagation predicting, Solar flares and their effect on SW propagation etc., etc.

ALL ROUND DXERS' COURSE

Compiler : Jim Vastenhoud and an international team of experts

Number of lessons: 26

This course aims to cover the entire field of DXing, including its specialized branches (Utility DX, Maritime Mobile DX, Standard Frequency and Time Signal Station DX, etc., etc.). Other subjects covered are: Reporting, DX Codes, the SW broadcast bands, DX Equipment, SSB DX, etc. For those who prefer a more concise coverage of DXing, we offer the texts of a series of twelve 5-minute talks designed for the beginner-DXer. The series can also serve as an introduction to the All-Round DXers' Course.

DX RECEIVER COURSE

The DX Receiver Course aims to make you acquainted with modern designs in DX-receiver circuitry, with the emphasis on essential factors like stability, selectivity, sensitivity and easy tuning. More basic information than could be given on the air is included in the printed texts. There are 12 lessons, and the compiler is Jim Vastenhoud.

DX ANTENNA COURSE

Our DX Antenna Course is based on our antenna booklet, and covers all the current types of Shortwave antenna and their construction. The compiler is Jim Vastenhoud. The course consists of 12 lessons. The antenna booklet is supplied with the first set of lesson texts. If you already have the booklet, please state this when enrolling.

AUDIO COURSE

More and more DXers are using recording equipment and finding it more and more interesting and useful to the hobby. Our Audio Course makes you familiar with many aspects of sound recording and reproduction. Besides such matters as the sensitivity of the ear, it deals with microphones and their characteristics, loudspeakers, amplifiers, pre-amplifiers, mixers, disc and tape recording, and many other subjects. The author is Art v.d.Vosse, who is connected with one of the big audio manufacturing concerns. There are twelve lessons.

CONDITION FOR ENROLLMENT

The lessons are sent in sets of four. Each following set is sent automatically on

ADDITIONAL OFFERS

(continued)

receipt of your answers to the few questions put at the end of every fourth lesson. (Not applicable in the case of the 5-minute talks for the beginner DXer).

The various booklets, data-sheets and courses described above are obtainable free of charge from: DX Information Service, c/o Radio Nederland, P.O. Box 222, Hilversum, Holland.

Please state clearly what it is you require and print your name and address in block capitals. SPECIFY YOU ARE NASWA MEMBER!!

RADIO NEDERLAND  
ENGLISH SECTION

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COLOMBIA PIONEERS - R.R.E.

Since 1949, Colombia has pioneered in the use of radio for educational purposes-- especially in the rural regions. The idea for educational broadcasting was conceived by Monsignor José Joaquin Salcedo, a radio amateur who became the pastor of Sutatenza in the Andes mountains. Broadcasting to peasants in the area via a small transmitter and several battery-powered receivers, he began Accion Cultural Popular. In 23 years this program has achieved remarkable success and has been adopted by other developing countries in Latin America, Africa and Asia.

At present there are 8 radio transmitters of Radio Sutatenza strategically located throughout Colombia. In 1968, 49,000 hours of educational broadcasting were transmitted over these eight stations. This compares with only 9,000 hours ten years previously, in 1958. Between 1963 and 1969, 100,000 new transistorized radio sets were sold to "students," along with specially designed printed teaching aids covering such subjects as agriculture, use of land, nutrition, recreation and housing improvements.

Colombia Today...via  
Rick Anderson

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It is amusing, and rather sad, to listen to the appalling mispronunciation during any English-language radio news bulletin dealing with Asian names and places. Almost any day, at any spot on the dial, grotesque variations flow out on such well-known names as Mao Tse-tung, Chou En-lai, Eisaku Sato, Kiichi Aichi and Nguyen Van Thieu, and on such place names as Seoul, Osaka, Phnom Penh and My Lai (in Veet-Nam, say the Americans), while radio announcers approach Indian, Indonesian and Thai words of more than two or three syllables with maximum caution.

FAR EAST ECONOMIC REVIEW via  
Richard Anderson

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RADIO FREE EUROPE

During the last two issues of FRENDX, we presented a two part article from Nation's Business dealing with Radio Free Europe. It has been quite a while since reader response has been so swift and to the point. In our effort to bring ALL sides of the picture, we now present various articles submitted within the last few weeks dealing with Radio Free Europe.....

Sen. Clifford P. Case (R-NJ), charging that millions of dollars in Central Intelligence Agency funds is used to operate Radio Free Europe and Radio Liberty, is urging Congress to control the funding of the two stations. Case said he plans to introduce legislation tomorrow calling for the two propaganda stations to be operated "under

RADIO FREE EUROPE  
(continued)

the authorization and appropriation process of Congress."

"During the last 20 years," Case said in a statement yesterday, "several hundred million dollars in U.S. Government funds have been expended from secret CIA budgets to pay almost totally for the costs of these two radio stations broadcasting to Eastern Europe.

"In the last fiscal year alone, over \$30 million was provided by the CIA as a direct government subsidy, yet at no time was Congress asked or permitted to carry out its traditional constitutional role of approving the expenditure."

Case said that although Radio Free Europe and Radio Liberty both claim to be non-governmental organizations sponsored by private contributions, high sources indicate that direct CIA subsidies pay nearly all their costs. According to Internal Revenue Service returns, he said, the combined operating cost of the two stations for fiscal 1969 was almost \$34 million--21.1 million for Radio Free Europe and \$12.8 million for Radio Liberty. Although Radio Free Europe conducts a fund-raising campaign each year. Case said, he has been informed that only about \$12 to \$20 million in free advertising space is donated, less than \$100,000 is contributed by the public and gifts from corporations and foundations are small. The rest, or more than \$30 million each year, Case said, comes from the CIA.

Asked about Case's charges, a CIA spokesman said: "The Central Intelligence Agency never responds to statements."

Other Washington sources report that despite insistence by the two stations that they are private organizations U.S. officials assigned to the American consulate general in Munich, Germany, maintain extremely close contact with them. At least one of these officials, according to the sources, maintains a full-time liaison role to the two stations with a mission of assuring that their program content does not differ from U.S. policy. To keep the stations informed, the sources said, the liaison man passes on a steady stream of classified and unclassified U.S. Government documents reporting on events in Eastern Europe.

In addition, the sources said, U.S. Government security officers regularly inspect the headquarters of the two stations to make sure the facilities for keeping the classified material are secure. The sources added that the Government's official connection with the stations is further heightened by a State Department program which regularly brings American embassy officials throughout Eastern Europe to Munich for extensive briefing sessions.

Linda J. Heffner in the  
"Philadelphia Bulletin" ...  
via John Mraz

President Nixon has ordered a study of alternative methods of financing the United States Government's two chief clandestine radio stations, Radio Free Europe and Radio Liberty, qualified sources report.

One possibility being weighed would be a request to Congress to create a new independent agency to run the stations. This solution, which some legislators favor, would keep the stations functioning through Congressional appropriation but would tend to remove them from day-to-day government control as arms of the Central Intelligence Agency. The President's order is said to stem from public disclosures made Jan. 23 by Senator Clifford P. Case, Republican of New Jersey, that both stations, established 20 years ago to broadcast to countries of the Soviet bloc, have been secretly funded by the Central Intelligence Agency at a total of \$30 million yearly.

Mr. Case and Representative Ogden Reid, Republican of New York, have introduced legislation designed to keep the stations functioning through open Congressional appropriations. Radio Liberty aims its broadcasts at the Soviet Union, and Radio

RADIO FREE EUROPE  
(continued)

Free Europe at Eastern Europe.

President Nixon is reported to feel that the publicity has stripped away the fiction that the stations, with offices in New York and broadcasting facilities in Western Europe, are nongovernmental and funded entirely by private contributions. While the true nature of the stations has been widely known, the official posture has permitted them to continue broadcasting from Munich and has enabled the West German Government, to deflect East European protests on the ground that the stations were private.

The task of coming up with a set of proposals has been turned over to the so-called, Forty Committee, named for a National Security Council memorandum number 40 defining its duties. The panel meets frequently in the White House under Henry A. Kissinger, the President's national security adviser. It runs the Government's most sensitive covert operations, and its members include Richard M. Helms, Director of Central Intelligence, and representatives of the State, Defense, and Justice Departments.

The Forty Committee is said to have delegated the President's directive to an inter-agency panel comprising the State Department, the C.I.A. and the United States Information Agency. The last, nominally under State Department control, runs the Voice of America, the Government's overt broadcasting arm. According to legislative sources, the options now being considered include placing the stations under a new independent board, under the National Science Foundation, under the Information Agency, or even maintaining the present arrangement.

The U.S.I.A. is said to oppose having covert broadcasting duties added to its overt functions. Agency officials said that this would give the Government the appearance of "talking out of both sides of its mouth" at the same time. Whereas, the Voice of America broadcasts government policy and views openly, both Radio Free Europe and Radio Liberty broadcast news items derived from secret sources, U.S.I.A. officials said. Many items are inimical to Communism, to the policies of Soviet-bloc governments and even to specific officials, and could not be broadcast by an official United States Government agency, they say.

While the possibility of placing the stations under the National Science Foundation has not been officially presented to the White House, it is likely to be resisted in Congress, sources there say. They note that the foundation was created by Congress in 1950 for the purpose of sponsoring scientific and educational research.

"The credibility of the United States is at stake," said Representative Reid. "We're not trying to close down R.F.E. or R.L. They serve a useful purpose, but we feel they should be run by a board totally independent of the Government. The stations were created at the height of the cold war and, informants here note, were provocative toward Communism during the fifties and early sixties. In recent years, they say the two stations have become primarily informational, although the information often angers East European Governments and has frequently led to protests, particularly by Poland.

Benjamin Welles in the NEW YORK TIMES  
via Steven Eisenberg

In the seven months since Fred Eidlin's arrest, Eidlin's 69-year-old father had his hopes raised many times that his son would be released by Czechoslovakia. An announcement yesterday by Eidlin's Czech attorney that the 28-year-old Brighton man would be expelled immediately, has raised the elder Eidlin's hopes again.

But he is cautious. "Until I see him in person, I won't believe it," he said. His cautiousness is echoed by U.S. officials. The American Embassy in Prague said it has no information on the decision to deport Eidlin. The State Department has made no official comment.

The elder Eidlin said that a congressman he would not name contacted him and asked

RADIO FREE EUROPE  
(continued)

him not to make any statement. "I'm in a delicate position," he said.

Fred Eidlin was sentenced to four years in prison after a Prague city court convicted him Dec. 18 of subversion. An order to expel him was tagged onto the sentence. Eidlin appealed, asking that the sentence be commuted to immediate expulsion. Yesterday his attorney, Vaclav Petracek, told reporters in Prague that the Czechoslovak government had agreed to the request. "Naturally I am extremely happy and extremely relieved," said his father, who lives at 3D Clintwood Drive, Brighton. "I have never lost hope that he would be released, because he is innocent. "Now I am hoping and waiting for the confirmation."

The younger Eidlin was arrested while visiting in Czechoslovakia July 26. In the December trial, the Prague court decided that Eidlin's work with Radio Free Europe in West Germany in 1968 and 1969 constituted subversion against Czechoslovakia.

A U.S. consul who visited the Rusyn Prison where Eidlin awaited word on his appeal, said a week ago that Eidlin was cheerful and in reasonably good health.

Rochester TIMES-UNION via  
George Schnabel

In addition, George remarks that the episode regarding the Polish boxing team is not impossible...but highly improbable. Also, he quotes the operating budget as in excess of \$ 8,000,000 - which is a bit much for "fund raising" dinners.

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My thanks to all those who contributed to this second phase of our RFE Report. Another "quickie" look at Radio Free Europe was to be found in a recent NEWSWEEK.

\* \* \*

I I F C

Our recent article on this station and its "non-QSLing" policy seems to have brought some results. Member Harmon L. Barnard, Jr., wrote to Mr. Reed Miller, the USA administrator for the Latin American Mission in Costa Rica as a result of reading about the situation. In reply, Mr. Miller stated that he would be in contact with Paul Pretin, the mission's liaison with TIFC Radio concerning verifications. Soon thereafter, QSLs were received for English reports. Seems that the technical problems were solved.

\* \* \*

RADIO EL PROGRESO  
Marlin A. Field

A new station on shortwave as stated on its letterhead is "La Voz de Un Pueblo en Marcha" or HRPL, Radio El Progreso, El Progreso, located in the Department of Yoro in Northwest Honduras, and operated by the Jesuits of the Middle West. Although listed as broadcasting on both medium and shortwave in the World Radio and Television Handbook as far back as 1967, actual shortwave broadcasts did not begin until November of 1970.

The station uses a custom-built CBS transmitter at 4920 kilocycles and a power of 1000 watts while on medium wave the power is 500 watts from a Gates BC-1F transmitter, at 1110 kilocycles. Its two studios have new equipment, which includes a Hammarlund receiver and two Ampex tape recorders.

Literature from the station refers to Radio El Progreso as an "educational station." So one of its programs is the Radio School classes broadcast daily Monday through

RADIO EL PROGRESO  
(continued)

Saturday from 2200 to 2345 GMT. During this time some thirty adults in seventy-seven rural communities in the Department of Yoro gather around a radio with their textbooks and portable blackboards for courses in the three R's--"readin', ritin', and rithmetic--as well as in health, hygiene, agriculture, and community development. One can see why in a country with an illiteracy rate of sixty-five percent, Father Jerry E. Tolle, the station's manager, considers these classes one of the most important projects of Radio El Progreso.

The Jesuits of the Middle West, with an organizational base in the states of Missouri, Kansas, Colorado, Oklahoma, Wyoming, and Southern Illinois, also operates five high schools, two technical schools, a training school for adults, several youth clubs, and six large parishes in the Department of Yoro.

In addition to the manager, who is from Kansas City, Missouri, other station personnel include Father Philip Pick of West Bend, Wisconsin, who is the chief engineer; a Spanish Jesuit priest who is sub-director and accountant; three full-time operators who also serve as broadcasters; a secretary; an office boy; plus many local people who aid in bringing a variety of programs over the air.

Unlike some cultural stations, Radio El Progreso carries advertising, but even with the income it brings in, the station is still operating with an unbalanced budget. To offset the deficit, the station is hoping for some help from the "Marches for Hunger" in the United States.

Reception reports, which are appreciated, may be in either Spanish or English. At the present time the station verifies with a letter with a promise of a QSL card when available. With its financial difficulties, HRPL-HRPL3 will certainly appreciate return postage. The address is Radio El Progreso, Apartado 20, El Progreso, Yoro, Honduras, C. A.

\* \* \*

HOW TO LISTEN TO THE WORLD 1971

The latest edition has now appeared and is filled with facts for DXers of all interests. Articles can be found within the newest 168 page annual written by NASWA members Alan Thompson, Jan Tuner, Dr. Richard E. Wood, Bill Matthews, Bob Padula, Glenn Hauser, as well others. This edition sells for \$ 3.95 and can be purchased from your favorite SW supplier or direct from the publisher, World Radio TV Handbook Company of Denmark.

\* \* \*

Just a quick reminder that SKY WAVES, the story of the Far East Broadcasting Company, is available for \$ 1.00 postpaid from the Far East Broadcasting Company, P.O. Box 1, Whittier, California 90608 (USA).

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SHORT WAVE REVIEW

Your Editor will have the pleasure of being the guest of the Alan Douglas Show on clear-channel 50,000 watt W K Y C Radio (1100 Kilohertz) from 10:05 P.M. to Midnite (Eastern Standard Time) on April 6, 1971. This is from 0305 to 0500 GMT on April 7th. The program will feature various tapes of shortwave stations as well as commentary on the broadcasts. A listener response is usually requested during the second hour of the program.....with on the air questions permitted. Even if you don't have a question, try to remember the date.....you'll enjoy it!

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# QSL REPORT

Gregg A. Calkin - Editor  
131 Cooper Street, Apt.903  
Ottawa, Ontario, Canada

Deadline 15th of the Month

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COUNTRY LIST CHANGES/ADDITIONS

By action of the NASWA Country List Committee, the following changes and additions are to be made to the official Country List. Members are advised to make changes in their lists.

Add alphabetically to the country list:

- |                             |                             |
|-----------------------------|-----------------------------|
| 86a. Galapagos Islands.     | SA. Puerto Baquerizo Moreno |
| 98a. Guam                   | Oc. Naval Time Station      |
| 116a. Karelo-Finnish S.S.R. | Eu. Petrozavodsk            |

Members should also change the continent designators for West Irian, Papua Territory and New Guinea Territory from Asia (As.) to Oceania (Oc.). These are currently N's 145, 159 and 148 in the Country List.

Members having any questions/suggestions regarding the Country List changes or additions should write the Country List Chairman-Don Jensen, 5204 70th St., Kenosha, Wisconsin 53140, U.S.A.

QSLs RECEIVED

Of particular interest this month, your editor would draw your attention to QSLs received from Burundi, Lubumbashi, Congo, Reunion, and several interesting time signal stations, notably in France and Argentina.

ALBANIA: Radio Tirana, 6320, folder card of new building in 3 months, 1 week seamail. Specifies only "49 m" as frequency (Magne)

ALGERIA: RTVA, Algiers, attractive card of camel riders in desert with sked, 57 days seamail for English report. Reply was registered. 3 IRCs sent. (Roberts)

ANGOLA: Radio Clube do Cuaniza Sul, 4840, card w/studio drawing in 19 days air. Verie statement is in 5 languages, for a report in Portuguese w/2 IRCs (Lobdell)

Radio Clube do Huambo, 5060, card in 18 days airmail for mint stamps (Sparks)

ARGENTINA: LOL, Buenos Aires, 10000, folder card in 13 months - the second, and unsolicited verie of my report. No IRCs (R. Fisher)

RAE, card w/frequency only; seamail. Unrequested (Kalkstein)

ASCENSION IS: BBC, 15235, Thames River card for Atlantic relay site (typed in); 11½ weeks w/sked for 2 IRCs. (Soneff) 2 months w/site marked (Marshall) Thames card from London for rpt sent via Patrick AFB. 7 weeks air (Segal)

AUSTRALIA: RA, 15160, color card of Sydney, rpt p/card, by air in 20 days. All data except designation of transmitter site (Isen)

VLM4, Brisbane, 4920, ABC card in 9 months air w/apology for delay (Segal)

VLI6, Sydney, 6090, Australia map card in 7 days w/full data (Hoogerheide)

VLW9, Perth, card/sked in 9 wks air. No IRCs (Kalkstein) 6140, 2½ wks for 2 IRCs (Hoogerheide) 9610, 142 days air; 1-IRC (Watman) 130 days (Isen) 22 days (Kaufman)

(NOTE: Scoreboard Report forms as well as QSL Report forms can be had by sending SASE (Canadian stamps only!) or a #10 size envelope and 2 6¢ USA mint stamps (do not affix to envelope!). Foreign Language Report forms are also available. Write for full info.)

X=X  
APOLOGIES!!! Due an accident while in process of printing, this page has been somewhat altered. This is not the fault of editor Calkin, but of printer Eddings. Sorry!

- AUSTRALIA: VLR9, Melbourne, 9680, 2 map cards for 2 rpts in 5 months air. 3 IRC (Magne)
- AUSTRIA: Vienna, 9770, card and sked in 1 month; 1-IRC (Bruce) 7245, photo card in 1½ months. No return postage (Handler) 9575/17710, 6 weeks air. No IRC (Padula) 4 weeks air w/sked; full data (Patterson) 7245, card w/notes saying tape to be returned (Marks)
- AZERBAIDJAN SSR: Radio Baku, sent mimeo letter verifying broadcast to Iran in 1 year, 1 week. Registered sea reply (Haines)
- AZORES: Emis. Reg. dos Açores, 4865, color pic/card of ship and gold seal. Rpted to the Azores w/1-IRC and Portuguese report. 30 days (Jamison) 1 month air from Lisbon for Portuguese report direct to Ponta Delgada w/3 IRCs (Magne) 4 months for 3 IRCs; via Lisbon (Shaw) 1 month airmail (Segal)
- BOTSWANA: Gaberones, 4845, colored card of desert police with camels; 13 days for rpt enclosing SASE (Sizer)
- BRAZIL: Radio Globo, 11805, scenic Rio card in 2 months air w/full data. Rpted in Port. w/2 IRCs (Segal) (Romanchik)
- Radio Inconfidencia, 6000, mimeo letter in Portuguese. 30 days for 1-IRC //
- Radio Nacional de Brasilia, 15445, replied with letter in English; 22 days air.
- V/S: Luthero Toledo, Box 1472, Brasilia (Kaufman)
- BURUNDI: La Voix de la Révolution du Burundi, Bujumbura, 6140, sent unexpected card, newly printed in 18½ months; 17½ months after earlier personal letter QSL + p/card. Card contains friendly veri statement, but no data. (Calkin) after 1½ years and 2 registered letters, aerogrammes, etc. For 6140 kHz; Rpted in English and French (Haines) 3300, card in 13 months air for report in French w/4 IRCs. First ever from this one (Padula) Please see our featured QSL of the Month (Ed.)
- CAMEROON: Garoua, 5010, yellow and green map card in 17 days airmail. Rpted in FF w/2 IRCs (Lobdell)
- CANADA: Radio Canada, Anik 1 card in 13 days from V/S: Brian Townsley. No IRCs (Gettings) 8 cards for as many reports; 3 weeks. No IRCs (Kalkstein) 9625, 9 days; no IRCs (Green) 5990, 2 weeks (Patterson) 2 week (Leger) 15190, 1 month; no IRC (R. Fisher)
- CBC Northern Service, 11720, sculpture card w/full data. 3 weeks. (Soneff)
- CFCX, Montreal, 6005, red/white card in 72 days (Marshall)
- CFRX, Toronto, sent City Hall card in 8 days for rpt w/dime attached (Sizer)
- 6070, 3 days from Clive Eastwood. No IRCs (Green) 2 weeks w/complete data (Patterson) 8 days for mint stamps (Burnell)
- CHU, 3330/7335/15670, card w/all info in 7 days. No IRCs (Burnell)
- CFVP, Calgary, 6030, card in 1 month (Matthews) 40 days for mint stamps (Magne) 15 days seamail; mint stamps sent (Lobdell)
- CANARY ISLANDS: RNE, Tenerife, 11800, aerial card from Juan de Rojas in 18 days. 2 IRCs. (Marshall) 13 days air w/full data, plus red/yellow pennant and note saying that RNE/Madrid must verify all RNE stations, including Canaries (Watman) letter from Enrique Pascual (Marinoff)
- CAPE VERDE IS: Radio Clube do Cabo Verde, 3886, card in 4½ weeks. No V/S (Dexter)
- CENTRAL AFRICAN REPUBLIC: Bangui, 5035, card in 2 weeks air for 3 IRCs. Rpted using NASWA French report form (Segal)
- CHILE: La Voz de Chile, 11900, Spanish card by air in 19 days (Toncre) Believe call is CE1190, Gary (Ed.)
- Radio President Balmaceda, 9590, long blue-white card in 32 days for Spanish report registered, w/3 IRCs. Card has date only (Roberts) 3 weeks air; reported in Spanish w:2 IRCs (Segal)
- COLOMBIA: Em. Nueva Granada, 6160, friendly Spanish letter, plus red/white/blue MW pennant; 3 weeks for Spanish report and 2 IRCs (Hoogerheide)
- Radio Nacional, Bogota, 6030, card in Spanish in 1½ months air. No IRCs (Stuart) 3 weeks air, giving frequency as 9635 (Patterson)
- Radio Colosal, Neiva, 4945, full data letter w/pennant in 3 weeks air for report in Spanish (Patterson)
- La Voz del Caqueta, 5035, card in 2 weeks air for report in Spanish (Patterson)

CONGO (DR): Lubumbashi, 11863, ARO card from M. Nicole for French report and 2 IRCs. 3 weeks from his address: BP 1387. Reply in English; so presume English report OK (Soneff)

COSTA RICA: TIFC, 9645, card and form letter by air in  $4\frac{1}{2}$  months (Matthews) 6037, 4 weeks air for 2 IRCs (Barnarp) printed card in 6 weeks for Spanish report and 2 IRCs (Hoogerheide) 9645, card and form letter in 2 months air. 3 IRCs (Clark) 1 month w/ pennant (Leger)

CUBA: Radio Havana, 17705, card and form letter in  $3\frac{1}{2}$  months air. 2 IRCs. V/S: Maria Triana; full data (Ricchezza) 9525, card in 95 days air. No IRCs (Green)

CZECHOSLOVAKIA: Prague, 2 cards seamail in 3 months. V/S: Peter Skala (Kalkstein) plastic calendar card in 3 weeks air; no data (Patterson) 5930, cards, calendar, sked and rules for Monitor Club Certificate (Burns) 10 weeks seamail (Leger)

DAHOMY: Cotonou, 4870, verified w/a colorful and welcome card, sked. 15 days for French report and 3 IRCs (Roberts) F/up to 3rd report, w/3 IRCs, & SASE brought multicolored card in 19 days. Full data (Sizer) 6 weeks air; rpted in French w/ 3 IRCs (Segal)

DENMARK Radio Denmark, 15165, aerial tower card in 6 months, containing full data, saying they will verify English reports (Lobdell)

DODECANESE IS: VOA/Rhodes, 7110, regular blue projection card in 46 days from V/S: Peggy Mathias, returning tape reel (Pappas) card in 10 days. No IRCs (Kalkstein) 7110, 2 weeks (Burnell)

DOMINICAN REPUBLIC: HIN, Santo Domingo, attractive red, white and blue card without personal letter from Hector E. Quesada Naar, Director Gerente. 18 days air for Spanish report and mint stamps (Berg)

Radio Comercial, letter in Spanish w/date and verie statement and invitation to visit studios if ever in Santo Domingo. 8 days for 4880 from Johnny Diaz SASE sent, but required 5 centavos more postage (Roberts) 27 days for 1-IRC (Romanchik)

ECUADOR: HCJB, Quito, 11745, color card w/full data, survey form '71, sked and relig. lit. 7 weeks air (Banta) 11750, card of Quito at night; 53 days, stating frequency incorrectly at 9710 (Gettings) 6135, 22 weeks seamail w/sked and religious oamphlets (Padula) 17880, card in 3 months of Hacienda workers, w/usual enclosures (Marshall) 104 days seamail; no IRCs (Green) 4 cards in 2 months air w/sked and Indian doll (Leger)

ENGLAND: VOA/Wofferton, 7160, card in 1 week. No return postage (Stuart) 5 days from V/S: Peggy Mathias and returned my IRCs (Handler)

FINLAND: Helsinki, card w/earphones surrounding relief map of Finland (Kalkstein)

FRANCE: FTH42, Bureau International de l'Heure, at the Observatoire de Paris, 7428 kHz, replied by card in English containing date and frequency, plus site: Pontoise, and featuring an Observatory drawing. Also enclosed friendly personal note in French and sked diagram of their time signal transmissions. 8 days air for French report w/2 IRCs (Calkin)

GABON: Libreville, 4777, reprinted OCORA card in 1 month seamail w/date and time listed (Shaw) 4777, map card in 10 weeks air. Reported in French w/3 IRCs (Segal)

G.D.R. RBI, 5955, color card showing station bldg + six flags plus personal letter from Rudolf Friedel. 11 weeks air (Banta) 9730, card in 21 days for 2 IRCs (Burns)

G.F.R. RIAS, 6005, card showing station building, in 2 months for 2 IRCs. (Hoogerheide) Berlin or Munich site, OM? (Ed.)

RFE, 9695, blue/white card in 10 days w/mb only (Hoogerheide)

VOA, Munich, 5965, card in 7 days w/site (Sizer)

Deutsche Welle, 6075, card in  $1\frac{1}{2}$  months for 1-IRC (Stuart) 9545,  $3\frac{1}{2}$  months for 2 IRCs (Coleman) 10 weeks air for 11820 (Padula)

GHANA: GBC, 9545, card + sked in 29 days air. No IRCs. This station replied first with a letter saying the report is being checked. (Gettings) 4 weeks (Kaufman) 3 weeks air, + sked which says that this frequency, 4980, is not being used after February 1 (Patterson) 32 days air; 3 IRCs. Fullleata (Schultz)

GREENLAND: Godthab sent a long attractive folder QSL w/verie statement (date/time only) details of station plus color picture of radiohouse. Also brochure on country. V/S: H. Rasmussen, Head Clerk. 4 months, 3 weeks air for mint stamps (Berg)

GUATEMALA: Radio Chortis, 3380, answered my Spanish report in 115 days w/mimeo letter from José Antonio Rodriguez. No data but nice little red/white/green pennant. Mint stamps sent (Michalenska)

TGWA, La Voz de Guatemala, 6180, blue/white Spanish card received in 3 wks for a report in Spanish w/2 IRCs (Hoogerheide) 2 weeks air for mint stamps and Spanish report (Berg)

Radio Cultural, 9505, card in 2 wks for 1-IRC (Stuart) 5955, card in 7 wks seamail for 1-IRC (Ricchezza) 171 days, card from V/S: Wayne Berger who apologized for the delay (Watman) card w/Quetzal Bird in 9 days air. 4 IRCs sent (Clark) 2 weeks air (Segal) card in 3 weeks air; full data (Patterson)

HAITI: 4VEH, 9710, card in 2 months for 1-IRC, giving power as 2.5 kW. (Stuart) red/black folder card for both 9770/15280 in 1½ months. V/S: Mrs. Kent Ragsdale (Handler) card in 35 days for 9770 and letter from Mrs. R. (Gettings) 4½ months for 2 IRCs; 11835 kHz (Coleman) 42 days seamail (Schultz) 33 days air for 2 IRCs (Isen) 4 weeks air for 2 IRCs, plus nice friendly letter (Gero)

Radio Citadelle, Cap Haitien, replied by personal letter in French from R. P. Michel Guyomar, Director of the "La Voix de l'Ave Maria" programme reported. 5 weeks air w/sked for this programme and flyer; Rpted in French w/mint stamps (Berg)

HAWAII: WWVH, Maui, 5000, beach scene card in 8 days. Gives date, frequency and geog. coordinates. No IRCs (Schultz) folder QSL in 8 months (Matthews)

HONDURAS: HRVC, 4820, card in 2 weeks for 1-IRC (Stuart) 40 days air, no time. 2 IRCs (Duba) 27 days by no data card; 1-IRC (Romanchik)

Radio Progreso, 4920, letter in Spanish, w/note in English and sked from Jerry E. Tolle, Gerente. 2 weeks air (Dexter) letter in 16 days for mint stamps (Sparks)

INDIA: AIR/Delhi, 11810, card showing regatta on Kashmiri river; 3 weeks air. No IRCs (Padula) 14 weeks air w/sked. No IRCs, and the site, Bombay, was not indicated as requested (Berg)

INDONESIA: RRI, Ambon, 7140, replied by letter in Indonesian; 10 months by registered airmail for mint stamps. Reported in Indonesian and 3 3/4 ips tape. V/S: A. Njongko (R. Fisher)

RRI, Pakanbaru, 5945, sent letter in Indonesian giving detailed confirmation data on my registered Indonesian rpt. 3 months for mint stamps and taped rpt (Sizer)

ISRAEL: Kol Israël, Jerusalem, 9625, card w/full data, sked and paper on the Roger Plan in 6 weeks air (Banta) 28 days air for 2 IRCs (Gettings) 9625, 3 months air for 2 IRCs (Coleman) 28 days w/sked for 3 IRCs (Schultz)

JAPAN: NHK, Tokyo, 17825, card w/full data, plus rpt forms, personal letter and p/card w/air photo of NHK complex. 10 weeks sea (Banta) 2 months air; (Kalkstein) 2 months (Leger) 29 days (Green)

KOREA (REP): VOFK, card in 6 weeks air for no IRCs rpt. Card features photo of Seoul (Klkstein)

KOREA (PDR): Pyongyang sent large 1971 calendar, but no QSL (Calkin)

KUWAIT: Radio Kuwait, 9640/9590, glossy folding cards in 14 and 15 weeks resp. 1-IRC w/each rpt (Padula) 15405, 150 days air. 2 IRCs (Isen)

LEBANON: Beirut, 11780, card and sked in 3 months registered. 2 IRCs (Duba) 11890, 4 months air for 2 IRCs (Coleman) drawing of RL bldg in 3 months seamail. No IRCs (Kalkstein) 140 days w/sked; by registered seamail. 2 IRCs (Isen)

LIBERIA: ELWA, card air in 22 days for IRCs. Full verie w/drawing of native beating on a drum. (Handler) 4770, card in 3 weeks air; complete verification information (Patterson)

LIBERIA: ELBC, 255, blue/white card, all data in 11 days. 3 IRCs (Sizer)

LUXEMBOURG: RL, 6090, antenna/crest card in 8 weeks seamail w/full data. No IRCs (Soneff) 35 days seamail. 3 IRCs (Schultz)

MALAWI: Blantyre, 3380, mimeo form letter in 2 months air w/all details, plus my tape returned. 3 IRCs (Shaw)

MALAYSIA: BBC/FES, 11850, card in 1 month air w/sked. No IRCs (White) Card for rpt originally sent to Malaysia had site but no data; returned to office in France, due to mail strike, and received reply in 2 months air for 3 IRCs (Handler) Did you get the verie data added? (Ed.) Reply from London for rpt sent direct; 2 months (Kalkstein) 11750, report to and card w/site from London in 4 weeks (Segal)

MARTINIQUE: ORTF, Fort-de-France, 5995, letter + sked in French; 2 wks; 1-IRC (Stuart) 2 weeks airmail for 2 IRCs. V/S: L-M. Cohic (White)

MAURITANIA: Nouakchott, 4850, beautiful map card w/sked for mint stamps and French rpt in 15 days. Full data (Michalenska) 15 weeks air; rpted in French w/3 IRCs (Segal)

MONACO: TWR, card in 1 month, 4 days air (Stuart) 6 weeks air for 2 IRCs (Berg)

MOROCCO: Radio TV Marocaine, folder card in English/Arabic/French w/sked inside. 2 months seamail. No IRCs. English report sent w/local post card (Soneff)

VOA/Tangier, 15205, card in 7 days from V/S: Peggy Mathias (Duba) 9615, Card in 8 days (Romanchik) 6015, 8 days air; full data incl. site (Patterson)

NETHERLANDS: Radio Nederland, 9715, card and rr/cards in 49 days. No IRCs. Full data include Lopik site (Green)

NETHERLANDS ANTILLES: Radio Nederland, 11730, Benelux DX Club in 17 days air for rpt on their lce a month DX programme. V/S: B. J. Long. No IRCs (Kerr) 10 days w/map zone card from station (Patterson) 13 days air. No IRCs (White)

TWR/Bonaire, 11820, card showing xmtr bldg in 2 weeks air. 1-IRC - (Stuart) 14 days air for 2 IRCs (Barnarp) 15355, 12 weeks seamail; no IRC (Padula)

NEW CALEDONIA: Nouméa, 7170, blue/white map card in 3 weeks for 3 IRCs (Hoogerheide)

NEW ZEALAND: RNZ, 9540/11780, map cards in 130 and 70 days seamail resp. 2 IRCs each (Isen) 4 months seamail w/blue globe card w/sked and tourist brochure. 3 IRCs (Gero) 3 months seamail w/Kiwi pin (Burnell)

NIGERIA: VON, 15200, white/green card w/sked in 29 days air 3 IRCs returned (Isen) Radio Nigeria, Enugu, 6035, card w/all information in 30 days air. No IRCs. Full data (Gettings)

Radio Nigeria, Lagos, 3986, card by air in 30 days. 2 IRCs returned (Isen)

NORWAY: LLL/Oslo, 25730, card by air in 11 days. IRC s sent (Maslak) 17800, card in 2 weeks air, incorrectly stating 17795 (Padula) 9645, p/card QSL in 60 days sea. No Ircs (Isen) 3 cards in 3 wks air for 25900 kHz. V/S: E. Thokle (Leger)

OUTER SPACE: One delayed QSL for Chicom 1, 20009 kHz, received in the form of letter QSL from the Academy of Sciences in Peking; by registered airmail in 1 month (Bruce)

PHILIPPINES: VOA, Poro, 15210, card in 5 days w/site indicated (Sizer)

VOA, Tinang, 15185, card in 7 days. V/S: Peggy Pathias (Duba) 17735, 5 days (Handler) 5 days for 11715 (Sizer) 8 days w/full data (Lobdell) 17750, 4 days sea mail. No IRCs (Clark)

Voice of the Philippines, sent letter and paper thin card after f/up in 1 month from V/S: Ernest G. Madrid, Manager (Dexter)

PORTUGAL: Radio Portugal, 11840, card in 22 days air. No IRCs (Green) 2 wks (Berg)

Deutsche Welle, Sines, 9620/9625, card in 13 weeks air from Köln (Padula) 9555, card in 20 weeks (Sparks)

REUNION: ORTF, St.-Denis, 2446, mimeo form letter in 24 days air. V/S: M. Pontus, Chef d'Etablissement. QSL obtained on 2nd try w/SASE and French language report (Sizer)

ROMANIA: Bucharest, 6150, b/w cabin in snow card plus small blue pocket calendar; rpt form, sked and personal letter. 7 weeks air. Full data QSL (Banta)

RUSSIAN S.F.S.R. Radio Peace and Progress, 11960, card in 3 months (Sparks)

Radio Moscow, at:

Armavir, 7265, card for the African Service, 10 weeks via Mrs. Stepanova at Radio Moscow (Sparks)

Blagoveschensk, 9580, card in 1 month. No return postage (Handler)

Nikolaiavsk, card from Radio Moscow (Dexter) Time, freq? (Ed.)

Omsk, card from Radio Moscow (Dexter) 6200, 1 month. No IRCs (Handler)

Tula, 9610, card in 57 days for this site (Watman)

Moscow, 7200/9650/9680, cards in 57 days stating Moscow site (Watman)

"Radio Moscow" programme, 17740, card in 1 month (Bruce) 7120, re-

fused site inclusion; 4 weeks (Padula)

RWANDA: DW, 11905, card w/full data in 4 months. No IRCs (Soneff) 4½ months air from KOLn w/sked (Leger)

RYUKYU ISLANDS: VOA, Okinawa, 7165, card in 2 months w/postage due. V/S: Peggy Mathias (Handler)

SARAWAK: RMS, 4950, card showing broadcasting House in Kuching. 87 days for 1-IRC. // (Jamison)

SENEGAL: Radio Sénégal, 4890, b/w photo of stringed instrument and weekly programme guide in French w/separate cover. 4 IRCs. 2½ months seamail (Soneff)

SEYCHELLES: FEBA, card by air in 1½ months from V/S: Brenda Bacon (Matthews)

SIERRA LEONE: Freetown, 3316, card in 1 month for 3 IRCs airmail typed on reverse of attractive photo p/card, incl. sked. Signed by the CE and highlighted by beautiful foil adhesive stamps (Perry) 5980, 2 months air for 4 IRCs (Haines) 38 days air; no IRC. Sent taped report (Jamison)

SOUTH AFRICA: Springbok Radio, 6195, card showing African industry and life. 1 month for 3 IRCs. Also colorful pennant! (Marshall) 6195, 3 weeks for 3 IRCs (Hoogerheide) 6075, 1½ months (Marks) 1 month; no IRCs (Lobdell)

Radio RSA, card in 2 weeks air for recently introduced 11970 (Padula)

SOUTH YEMEN: PDRYBS, 5060, pink card w/antenna and coat of arms by air in 14 days. 3 IRCs sent. All data except time given (Lobdell)

SPAIN: RNE, Madrid, 11925, card of transmitting antenna in 12 days air. 2 IRCs (Barnarp) 6130, 13 days by letter in Spanish w/pennant, sked and the return of 1 of 2 IRCs. (Gettings) V/S: Enrique Pascual.

SUDAN: Omdurman, 9505, form letter in 24 days air. 2 IRCs. Gives date only (White)

SWEDEN: Stockholm, 21585, card by air in 11 days. IRC sent (Maslak) 9725, Northern Lights card w/sked in 9 days air. 2 IRCs (Gettings) 21585, 14 days. V/S: M.B. Leander (Lobdell)

SWITZERLAND: ICRC, card in 2 weeks air w/full data. V/S: G. Penard (Kalkstein)

SBC, 6120, card from V/S: D. A. Johnson w/note that sked will follow. 52 days seamail. No IRCs (Gettings) 4 p/p/QSLs w/personal noted from J.A. Chisholm (Kalkstein)

SBC/Beromünster, 4686 (3 x 1562), card verifying MW frequency in 8 days air, returning my IRCs. (Magne) Interesting OM (Ed.)

TAHITI: Papeete, 11825, mermaid card w/sked in 38 days. 3 IRCs (Marshall)

TAIWAN: VOFC, 15125, card, sked, report card, p/card and station bulletin; 5 weeks air. No IRCs. Full verie data (Ricchezza) 1 month for 3 IRCs (Hoogerheide)

TANZANIA: RT, 15435, card in 5 weeks. 2 IRCs (Bruce)

THAILAND: Bangkok, 11904.3, yellow card in 2 weeks air for 3 IRCs and SAE. States IRCs not required, but kept mine. Also gives old frequency, 11910 kHz (Magne) (Segal)

TUNISIA: Tunis, 6195, mosque view card in 3 weeks air for report in English + 3 IRCs//

UKRAINIAN SSR: Radio Moscow, Lvov, 7150, card in 57 days via Radio Moscow (Watman)  
Ivanfrankovsk, 9660, card in 57 days via R. Moscow (Watman)  
Kiev, 9700, card w/site in 57 days from Moscow (Watman)

U.A.R. Cairo, 9745, attractive card of Egyptian figures, plus letter, sked, Palestinian dispute info and 2 mint stamps (Roberts) 9675, 1 month air. No IRCs (Magne) 9475, mimeo letter in 200 days for mint stamps (Brooks) 2 months after f/up. 7 months total for 1-IRC each time (Berg) 7 weeks w/sked. (Ricchezza) 3 months (Coleman) 278 days for 1-IRC (Watman)

U.S.A. VOA, Dixon, 5955, card in 7 days w/site indicated (Sizer)

VOA, Delano, card in 7 days w/site indicated (Sizer)

VOA, Greenville, card in 7 days w/site indicated (Sizer)

VOA, Bethany, card in 7 days w/site indicated (Sizer)

KGEL, 15280, card w/full data and pennant in 4 months (Grishin) 18 weeks w/pennant. IRC (Padula)

WNYW, 17845, card in 1 week; first in 3 yrs! (Stuart) 9 days for rpt w/SASE on 21525. White card w/all data (Sizer)

WINB, white card w/sked and religious information. 30 days for 11795 kHz. 1-IRC sent (Thedford)

AFRTS/Delano, 8900, card for SSB relay in 2 weeks (Stuart) 15430, card in 1 month; IRC returned (Bruce)

United National Radio, 11900, card in 1 month. No IRCs (Duba) card for Delano, 17850, all data including site. 8 weeks seamail; no IRCs (Padula)

WV, folder card in 14 days airmail from V/S: J. Stanley, w/full data (Green)

KC2X10 (WV test station), 13560, 1 week (Stuart) QSL or rejection? (Ed) self-prepared card returned in 10 days w/full data. V/S: S.L. Davidson, Admin. Aid. No return postage sent (Kerr)

UZBEK SSR: Radio Tashkent, 11925, tower card in 1 month. 2 IRCs. (Bruce) 9600, p/card of monument; 5 weeks air (Banta)

VATICAN CITY: Vatican Radio, 11725, tower card in 11 days. No IRCs (Gettings) 11 days airmail for 3 IRCs, w/full data (Duba) 15330, air in 3 weeks (Padula) 11740, 2 days air in transit; card w/station towers shown (Roseliep) 30 days air w/antenna card. No IRC (Lynch) 13 days air for 2 IRCs (Barnarp) 9615, card in 4 wks air; full data (Patterson) 20 days air for 2 IRCs (Burns)

VENEZUELA: Radio Angostura, 6119, letter, pennant, p/p/cards, from V/S: Sr. Guerra Madriz, Director. 3 weeks air after f/up (Dexter)

Radio Barquisimeto, 4990, card in 15 days air for 1-IRC. Rpted using NASWA Spanish rpt form. (Jamison) 1 month w/verie info complete. V/S: Chief of the English Department. 2 IRCs sent (Kusalik)

Radio Juventud, 4900, card in 20 days for mint stamps. 4 colors and has drawing of teens dancing (Handler) 20 days air; no time given; 1-IRC (Duba) 3 weeks air for Spanish report w/mint stamps (Berg)

Radio Lara, card for 4800, in 20 days air. No time given. 1-IRC (Duba)

Radio Maturin, 5040, replied by air in 12 days w/friendly personal letter from V/S: Ramon R. Arreaza Alfaro, giving all details plus confirmation statement, xmtr data, power, sked and info on Maturin. 2 IRCs sent w/Spanish report (Calkin) 14 days on 3rd try w/mint stamps (Sparks) letter air for 5040 kHz (Dexter)

Radio Puerto La Cruz, letter from Rodolfo E. Fuentes, operator, in Spanish. Rpted in Spanish w/mint stamps. 30 days time (Hall)

Radio Rumbos, 4970, card w/all data in English; 3-6 wks (Patterson, Schwing)

Radio Universo, 4880, globe network card in 23 days sea. 2 IRCs (Lyon)

VIETNAM (DEM REP): Hanoi sent several form letter veries w/full data for 10042.8, 15014.7, and 15013 kHz. Tape rpt welcomed. 4 months sea for 3 IRCs. (Magne) paper veri in 134 days w/propaganda magazines/newspapers (Jones) 103 days, direct (Watman) 10043, propaganda reply direct in 3 months seamail, but no QSL (Segal)

WINDWARD ISLANDS: WIBS, 11970, card in 2 $\frac{1}{2}$  months. No IRCs (Coleman)

YUGOSLAVIA: Belgrade, folder type card in 10 weeks airmail. 2 IRCs sent (Kalkstein)

QSL OF THE MONTH

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**LA VOIX DE LA REVOLUTION DU BURUNDI**  
**B. P. 1900 BUJUMBURA**

Monsieur,

Nous avons le plaisir de vous confirmer la réception du rapport d'écoute Q.S.L. que vous avez eu l'amabilité de nous faire parvenir.

Nous joignons à cette carte-réponse nos vifs remerciements.

La Voix de la Révolution émet actuellement sur les fréquences suivantes : 1100 KHZ-3300 KHZ et 6140 KHZ, aux heures suivantes :

de 5 H 30' à 8 H de 12 H à 15 H  
et de 17 H à 20 H heures locales = GMT + 2 h

*Bonne écoute*

This month's featured QSL is a newly issued card from La Voix de la Révolution du Burundi in Bujumbura. This station is occasionally heard on 6140 kHz in the 1½ hours following its 0330 GMT s/on, depending upon co-channel interference, and in the future, may be audible on the newer 3300 kHz frequency. Bujumbura is now verifying current and past reports with the above card. For details, see BURUNDI in QSLs Rcvd.

Sincere thanks to the following 58 reporters who made this column possible:

- |                        |                       |                       |                    |
|------------------------|-----------------------|-----------------------|--------------------|
| John Banta, New York   | Bruce Green, Ont.     | Chris. Lodbell, Mass  | E.N. Ricchezza, Pa |
| H. L. Barnarp, Ill.    | Ivan Grishin, Ont.    | Paul D. Lynch         | Jim Roberts, Man.  |
| Jerry Berg, Mass.      | Bruce Haines, Colo.   | Ken Lyon, New York    | D Romanchik, Mi.   |
| Chris Brooks, Colo.    | F. Earle Hall, Mass.  | Larry Magne, Penna.   | Tom Roseliep, Ia.  |
| Robert F. Bruce, Scot. | Steven Handler, Ill.  | Mike Marinoff, Pa.    | Bill Schultz, Pa.  |
| Jean Burnell, P. Q.    | J. Hoogerheide, Mich. | Anthony Marks, Ore.   | M. Schwing, Colo.  |
| John M. Burns, Florida | F. S. Isen, Md.       | Mrs. Marshall, NDak.  | Leon Segal, N.Y.   |
| Gregg Calkin, Ontario  | Dan Jamison, Va.      | J.S. Maslak, Mass.    | Alvin Sizer, Conn  |
| Thomas O. Clark, Ohio  | Thomas Jones, Minn.   | Wm. A. Matthews, O.   | J.T. Soneff, La.   |
| Bill R. Coleman, N.C.  | Harold Kalkstein, Pa. | Hank Michalenka, RI   | Wm. Sparks, Calif  |
| Gerry Dexter, Wisc.    | A. Kaufman, Tenn.     | Bob Padula, Austral.  | Jerry Stuart, Okla |
| Mark Duba, Vermont     | Andy Kerr, Oregon     | Andrew Pappas, Ill.   | Barry Thedford     |
| R.W. Fisher, Calif.    | Ed. Kusalik, Ont.     | Wm. S. Patterson, Tex | Gary Toncre, Fla   |
| Angelo Gero, Ill.      | John Leger, Kentucky  | Ralph Ferry, Ill.     | Mike Watman, N.H.  |
| Duane Gettings, Ohio   |                       |                       | Wm. White, N. J.   |

In closing, I would request that in sending QSL REPORTS in, it would be most helpful and time saving for your editor if each member would double-space QSL items and arrange them in alphabetical order by country. Many thanks!

Until the May QSL REPORT, best 73s, GREGG.



# NEWSROOM

TIPS/SKEDS

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14 BROOK STR.  
CENTRAL FALLS, R.I.

Deadline 15th Month

Deadline 8th Month

\*\*\*\*\*

**HUNGARY, BUDAPEST: MRT**

"We wish to remind all listeners that you still have time to enter the free holiday competition sponsored by Holiday 71. Full details were carried in every broadcast in February, but you can still have details by writing to us at: Safari Competition, Radio Budapest, Budapest, Hungary."

Also of interest to a few of us, the information coming from the Budapest International publication, is that this is the centennial anniversary of the first Hungarian postage stamp, and I would imagine we should be seeing a commemorative stamp on this from Hungary.

MRT EE to NA: 01:00-01:30; 6165/7220/9833/11910/15160/17890/21685. 03:00-03:30; 6165/7220/9833/11910/15160. and 04:00-04:30 same JRG. (GH)

**SWL SOURCE OF SUPPLIES**

In the past I have mentioned the SWL Guide and Gilfer as places to purchase the many books and supplies needed for the hoby, and just recently another has made itself known to me, but this source carries only the books, log sheets, etc, and not equipment like the others, unless they withheld information from me. It is O'Connell's Associates, 329 Water Street, Binghamton, NY 13901.

**RADIO TODAY**

Many of you no doubt already know that this magazine has printed it's last issue, the subscriptions to be filled by S-9, a sister publication. The failure is listed as having been an insufficient amount of advertising sales, on which a magazine's economical future really depends. Mr. Wayne Green, the publisher and Editor, along with his staff, has sent appologies to the subscribers, and we, in return, send him our condolences for the death of what was going to be a fine magazine.

**WINDWARD ISLANDS, GRENADA: WIBS**

EE, from JSL: 15:45-18:00; 9550/15105. 15:45-22:45; 5015. 19:45-22:45; 15105. 20:15-21:30; 21690. 21:55-02:15; 3280. 23:15-02:15; 11970. (MH)

**MAURITANIA, NOUAKCHOTT: RNDI**

Mn to St: 07:00-08:00; 12:00-14:30; 18:00-22:30. Sn: 08:00-14:30; 17:00-23:00. JRG=7245 (4kw) midday/9610 (30 kw)/4850 (7 kw), both mornings/evenings. L = FF, AA, Vernaculars. (JK, MB)

**NORWAY, OSLO: NR**

NR sends information that they have begun a new program called "DA RADIO NORWAY", which will be heard on the first sunday of each month, and that they request listener reaction to it. (JD)

LE sked: Sn GMT: 08:00-08:30; 15175/21655/21670/21730/25900. 12:00-12:30; + 6130/25730, - 21670. 14:00-14:30; + 17825, - 6130. 16:00-16:30; same. 18:00-18:30; + 7210, - 17825. 20:00-20:30; 11850/17825/21655/21730/25900. 22:00-22:30; 11860/15175/17825. Mn GMT: 00:00-00:30; 9645/11850/11860. 02:00-02:30; same. 04:00-04:30; 9550/9610/9645. 06:00-06:30; - 9610, + 21655/21730. This is good to 01 MAY.

**CANADA, MONTREAL: CBC**

EE, International Services: 07:15-07:45; 9625/11780. 08:30-09:30; 5970/9630. 12:17-13:13; 9625/11720/17820. 15:16-15:22; 15320/17820/21595. 18:32-19:14; 15325/17820/21595. 21:15-21:52; 11715/15325/17820. 23:00-23:30; 9625/11945/15190.

EE, Canadian Forces and Northern Services: 05:58; 5970/5955/9625. 11:00; 9625/15325/17820. 16:31; 15320/17820/21595. 20:45; 11715/15325/17820. 22:00; 9625/11720/15190. 01:00, 02:00, 03:00; 5970/9625/11720. 04:00, 04:30, 05:00, 05:30; 5970/9625. 06:31 same. (C&C, Sd)

**ISRAEL, JERUSALEM: IBA**

EE 20:45-21:30; 9625. 20:45-21:00, 21:15-21:30; 9009. JRG is 9009/9625 for all the rest also: Russian; 04:00-04:15, 15:30-16:00, 17:00-17:30, 18:30-18:45, 19:30-20:00, 22:15-22:30. Hebrew; 20:00-20:30. Hungarian; 18:45-19:00. Mograbit; 18:15-18:30. Ladino; 18:00-18:15. Rumanian; 17:30-18:00. Persian; 16:30-17:00. and Yiddish; 16:00-16:30, 19:00-19:30. (SH)

## AUSTRIA, VIENNA: ORF

EE, broken down for your convenience: 01:00; 6155/9770/15145. 02:00, 03:00; 6155/9770/11725. 04:00, 05:00; 6155/7250/17785. 06:00, 07:00; 7250/6155/15410/21720. 08:00, 09:00; 7245/6155/15410/17795. 10:00, 11:00; 6155/7245/9770/17785. 12:00, 13:00; 9770/11785/11860. 14:00, 15:00; 9770/11855/17705. 16:00, 17:00; 6155/9745/17850. 18:00, 19:00; 6155/9765/15200/15210. 20:00, 21:00; 6155/7180/11790/15210. 22:00; evidently nothing. 23:00; 6155/9690/9770. 24:00; 6155/9770/15145. Transmitted w/100 kw from Moostrunn. (Remember that the languages are actually EE, GG, FF, and SS alternating periodically, with no apparent break between programs during the 23 hour schedule.) (HM)

## SWEDEN, STOCKHOLM: SBC

EE: 00:30-01:00; 02:00-02:30; 03:30-04:00; 5990. 05:15-05:45; 11895/17840. 11:00-11:30; 9630/21695. 12:30-13:00; 9630/15105. 14:00-14:30; 15240/21585. 16:00-16:30; 6065/11930. 19:00-19:30; 11705/15240. 20:45-21:15; 6095/11790. 22:45-23:15; 1178 MW. (SBC, LM)

## BELGIUM, BRUXELLES: RTB

EE: 00:50-01:00; 9550/11790. 23:05-23:15; 9550/15230. RTB requests reports now to determine coverage and QRM, etc. They are reported to QSL quickly. (JB/HM)  
EE "DX Program" is on 3rd Wd and following Th of the month. (GH)

## BROADCASTING STATIONS OF THE WORLD

According to IRCA, the new edition of this manual (see JAN NR) is already available from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402, dated 01 JAN, 1971. (The price was not given to this ed.) (GH)

## FINLAND, HELSINKI: CYRA

EE to MA back to 23:00-23:30; 15185. Evidently 02:00 did not work out too good (see DEC NR). (GH)

As near as I can figure, the 18:00-18:30 time for EE is the same, w/9555/11755/15185, abc to WRTH.

## CONGO (D.R.), LUBUMBASHI: RL

RADIO LUBUMBASHI, a regional station, "The Voice of the African Brotherhood", has announced that a 300 kw shortwave transmitter will replace the present 100 kw one on 11862v, perhaps by JUNE. (SE/HM)

## HOLLAND (NETHERLAND), HILVERSUM: RNV

RNV announces a new DXer's course, one dealing with audio, compiled by Art v.d. Vosse, an audio expert. It will have 12 lessons and will be set up like the ones in the past, 4 lessons at a time, etc, and also be free, of course. Write to DX Information Service, c/o Radio Nederland, PO Box 222, Hilversum, Holland, for this or any of the past courses offered. (HM)

## USSR, MOSCOW: RM

On 18 NOV, 1970, RM reduced it's Czech and Slovak broadcasts from the previous total of 12 hrs daily to only 6 hrs of daily broadcasts, representing an overall reduction in output of Czech/Slovak broadcasts from 84 to 42 hrs weekly. RM had made a major change in this service just prior to the Czech invasion when, during it's early days, it increased it's normally scheduled 2 hrs 30 min daily broadcasts to a continuous 24 hr programme. This was subsequently reduced to 12 hrs a day on 13 SEP, 1968, and continued until 18 NOV, 1970. Frequencies used in this service, and vacated on 18 NOV are now being used for additional relays of Domestic Services, Peace and Progress and the "Majak" relays. (GC from FBIS)

(re MAR NR) NASWA lists all USSR republics as separate countries, since we count the republic with the transmitter in it and not the studio site; i.e., 11730 counts as Lithuanian SSR, even though it may be carrying a Radio Kiev or RM program. (HM)

"As for RM inexact frequencies, - - - -, since 5 kHz is the standard separation between SW channels, it is not being "fussy" to be specific down to at least this 5 kHz accuracy. Even if it were, there is no excuse for being sloppy about frequencies. On the other hand, I'm with you that the schedule of RM should be published when available, but with the notation that QRG are rounded off by RM. (letter from GH)

## BURUNDI (REP), BUJUMBURA

Sked for "La Voix de la Revolution": QRG: 3300/6140. 03:30-06:00, 10:00-13:00, 15:00-21:00. (GC)  
L are French, Kirundi, Swahili. (WRTH)

## UKRAINE, SSR, KIYEV: RK

EE to MA: Tu, Fr, Sn (GMT): 00:30-01:00; 9610/9660/9760/11850/11960. 04:30-

## VIETNAM (D.R.), HANOI: VOV

EE, as per "official" sked: all programs are  $\frac{1}{2}$  hr: 05:00, 08:30, 10:00, 12:00; 10040/12025. 13:30, 14:30; 5970/7470. 15:30; 10040/12025. 20:00; 12025/15018. 23:00; 7038/10040. (AS/HM)

EE program shown on the official schedule at 12:00-12:30 (see above) is incorrect and should read 13:00-13:30, w/same QRG. However, VOV transmitters do relay Radio Pyongyang (NOREA, DFR) in EE from 12:00-12:30 on 10040/12025. Otherwise, sked does appear to be correct, except that frequencies tend to vary as much as 10 kHz. 08:30, 13:00, 13:30, 14:30, 20:00; and 23:00 are specifically for US servicemen involved in the Vietnam War according to announcements on the air during 1971. (IM)

## CUBA, HABANA: RHC

EE, as announced: 01:00-04:50; 9665/11840. 03:30-06:00; 11760. 04:50-06:00; 11840. 06:30-08:00; 9665. 20:07-21:40; 17730. 9665 = 50 kw, 11760 = 100 kw, 11840 = 10 kw, 17730 = 50 kw. Technical problems are again common on RHC due to sugar harvest (financial cutbacks? ed) just as happened last year. (The harvest is probably all that will be heard over RHC for awhile, also just like last year. ed) (LM)

## GUINEA (REP), CONAKRY: RC

A new station in Guinea is Radio Conakry, "La Voix Libre du Peuple du Guinea", on 4970, w/FF 06:45-07:05, and Vernaculars from 07:05-07:35 s/off. This is not to be confused with Radio-diffusion Nationale du Guinea, RNG, also in Conakry, announcing "Ici la Voix de la Revolution (de la Republique de Guinea)", on 4910/7125/9650, which is the old station. The new station uses a new QRG and new format. (LM, ed)

## JAPAN, TOKYO: NHK

The following was in a letter from NHK, and may help some of our newer members get a full data QSL card from Tokyo. This is quoted from a typed letter, and is as follows: "It is our rule not to write in our QSL card the time. But, our listeners demand, we will willingly write the time. Please write your demand in red pencil whenever you wish to have QSL card with the time." (JB) I will assume the word 'demand' was therein used because of the writer having a problem w/E, not that we do demand - ed.

## HAITI, CAP-HAITIEN: 4VEH

The following is a quote from a letter received from Linda Ragsdale of 4VEH, dated 12 FEB, 1971. "We are designing a new QSL card and hope the printer can get it done before the end of the month, as I'm going to run out. We have the first and last pages, but need to do the inside. Someday maybe we should run a contest to get listeners to send in designs. They have laid the foundation for the tuning building at the base of the 270 foot vertical antenna, but work is slow." (JB)

## NIGERIA, LAGOS: NBC

EE, International Services: station at Ikorodu w/100 kw: 05:30-07:30; 15185 (LP005°). 06:00-07:30; 7275 (ND)/15200 (LP065°). 15:30-17:00; 7275 (ND)/11770 (LP065°)/15200 (LP125°). 18:00-19:30; 7275 (ND)/11770 (LP005°)/15120 (LP125°). (JS)

## RADIO FREE EUROPE

This item comes from the Vancouver Sun, 11 MAR, 1971, edition: "WARSAW (UPI) - - Polish intelligence planted a spy in Radio Free Europe's Munich newsroom and his story will be published by Polish newspapers and broadcast on television and radio, the Polish agency PAP said. Radio Free Europe, a privately run radio station which broadcasts from Munich to Eastern Europe, employs dozens of Poles and other exiles in its broadcasting and translation rooms." Our contributor then adds that it is too bad they (the Sun) didn't print more information on the subject, but it might be something to try to catch on Radio Warsaw in the future. I would add that this in fact is the disadvantage of newspapers, and the reason for radio listening, since newspapers must fill an exact space with a given item no matter how watered down or distorted the item then becomes by fitting (editing). The editor of the NewsRoom colum often finds himself facing this problem, hey! (RH)

## SOUTH AFRICA, JOHANNESBURG: RSA

EE sked: To Africa/Middle East: 04:15-04:27; 7270/9525/11900/15220/17805. 04:30-04:42; 7270/9525/11900/15220/17805. 05:00-05:12; same. 06:30-06:42; -9525, + 21535. 09:30-09:46; 17825/21535/25790. 11:00-15:50; 11900/15220/21535/25790. 16:00-16:50; 11900/9525. 20:00-20:50; 7270/11900/15250/21480.

SOUTH AFRICA, JOHANNESBURG: RSA (con'd)  
 EE to NA: 23:30-00:20, 00:30-01:20,  
 01:30-02:20, 02:30-03:20; 9695/9705/11875/  
 15220. U.K./Eire: 18:00-18:50; 15250/  
 21480. Australasia: 08:00-08:50; 17815/  
 21545, 10:00-10:50; 15220/17815/21545.

CHINA (PR), PEKING: RF  
 EE, from "official" sked: 00:00-  
 01:00; 15060/17673. 01:00-02:00; 7120/  
 9780/15060/17715/17855. 02:00-03:00; same  
 - 7120/9780. 03:00-04:00; 7120/9780/  
 15045/15095/15385/17673. 04:00-05:00;  
 same - 7120/9780. 08:30-09:30; 11600/  
 11720/15060/15435/17835. 09:30-10:30;  
 same. 12:00-13:00; 9290/9365/11600/  
 11685/15095/15285. 13:00-14:00; 9290/  
 11600/15095/15285. 14:00-15:00; 7315/  
 7470/15095. 15:00-16:00; 7315/15095.  
 16:00-17:00; 7350/9860. 17:00-18:00;  
 same. 19:30-20:30; 9440/9965/11695/15030.  
 20:30-21:30; 6620/7590/9030/9440/9965/  
 11675/11695/15030. 21:30-22:30; 6620/  
 7590/9030/11675. (JW)

(I can not but help notice the saying  
 of Mao Tsetung on the cover of this  
 schedule: "Strive to do broadcasting work  
 well and serve the people of China and  
 the world." Would not that be rather  
 fantastic if they were to actually do  
 that, and not use it to attempt to  
 controll, but to serve; Dreamer! - ed)

AUSTRALIA, MELBOURNE: ABC  
 EE to U.K./Europe; 06:45-07:45;  
 9560/11710. Africa; 03:30-05:00; 15105/  
 17820. Mid Pacific Islands; 20:00-08:30;  
 15160. 08:30-12:12; 7205. 18:00-00:30;  
 11840. 18:00-22:00; 9540. Far East/  
 NW Pacific Islands; 08:59-15:00; 15140.  
 11:00-12:00; 9580. 11:00-12:12; 11810.  
 21:00-00:15; 15240. 21:00-23:00; 17715.  
 Asia; 21:00-01:00; 15320. 22:45-09:30;  
 17870. 01:00-10:30; 21540. 07:00-08:00;  
 15320. 08:00-11:30; 21485. 08:00-12:30;  
 15355. 09:30-17:30; 11880. 11:00-15:00;  
 9570. 14:30-17:30; 9550. 15:00-17:30;  
 11740. (SH)

FROM MY SCHEDULE BOOK FOR BEGINNERS  
 EE, all or part: 04:00: Austria;  
 6155/7250/17785. Ascension Is. 15260.  
 AFRTS; 9755/15410/17765. AEC; 15160/  
 15240/17870. BBC; 9580/11750/15420.  
 Bulgaria; 9700. Cuba; 9665/11760/11840.  
 CBC; 5970/9625. China; 15045/15095/  
 15385. Costa Rica; 9615/9645. ETLF  
 (Ethiopia); 9725. Guatemala; 5955/9505.  
 Nicaragua; 11875. Honduras; 3300.  
 HCJB; 9710/11745/15115. Hungary; 9835/  
 11910/15160. Kenya; 4915/7240.  
 Kuwait; 4970/17750. Mexico; 9705/11770/  
 17835. RAZ; 9755/11780/15110. Norway,  
 (Sn only); 9550/9610/9645. NHK; 9505/  
 15300/17880. Philippines; 9715/11890/  
 15300. Rhodesia; 4830. Singapore;  
 5050/11940. Switzerland; 6120/9535.  
 Spain; 6140/11925. Tanzania; 4785.  
 USSR; 9680/9700/11900 (no doubt rounded).  
 W. Pakistan; 17945/21590. (Mazel Tov)

\*\*\*\*\*  
 I thought I had better take a few lines of space to explain my abbreviations, since  
 there seems to have been at least one case of confusion due to them logged at this  
 QTH. The Q-codes, for instance, can be found listed in several periodicals, the  
 WRTH is one of them. My abbreviations are often derived from WRTH, often taken  
 directly from the ANARC ABBREVIATIONS LIST, and as often, I guess, from pure conjecture  
 on my part, trying to save time typing and perhaps some small bit of space. I can  
 tell you emphatically that I am not going to type out many of those words as often  
 as they will be used if there is a fairly good abbreviation for the same thing. To  
 that one complainer, certainly my use of abbreviations/Q-codes isn't all that much  
 of a problem, now is it, really? Following is the list of "Dramatis Personae" as  
 my associate likes to call them (so does Dr. Gideon Fell, of fictional fame).

- GH = Glenn Hauser, TX
- JR = James Roberts, MN, Canada
- JB = John Banta, NY
- HQ = NASWA Headquarters, PA
- AS = Al Sizer, CT
- CC = Curne Chadwick, IA
- GC = Gregg Calkin, ON, Canada
- RH = Richard Heggis, BC, Canada
- MH = Mark Hogarth, NY
- HM = Henry Michalenka, RI
- SH = Steven J. Handler, Jr., IL
- LA = Larry E. Magne, PA
- SE = Steven Eisenberg, NJ
- WRTH = WRTVH
- JS = John T. Soneff, Jr., LA
- JW = John W. Smallshaw, WI

My thanks go out to all you gentlemen, you've made this month's NewsRoom. -410-



# LOG REPORT

DAN FERGUSON - EDITOR  
P.O. BOX 8443  
CORAL GABLES, FLORIDA 33124

Deadline 12th of the Month

When reporting to this section, please list items in order by frequency, in either direction. Please use the format of the Log Report for your report, and be sure to leave at least one blank line between each item. Some are just leaving a half line. This makes the report difficult to handle. Deadline is the 12th of the month. Reports must be here by that date to be included in the Log Report. Late reports are not held over.

- 2500U UNID Latin stn under WWV in SS 0315(RC) Believe this was recently IDd as harmonic of R. Progreso, Dominican Republic, on 1250 kHz.(DF)
- 2660 COLOMBIA Trans. Apolo, 0247-0357\* w/frequent IDs(MAF)
- 2678v COLOMBIA HJMQ Bucaramanga, 1000 mx & SS to 1100 f/o. Must be harmonic of V. de Chicamocha -1339(ESB)
- 3200 MEXICO Still hear R. Alma Musical slogan, s/off 0128, some days earlier. Call sounds like XERCP, that of a 1600 kHz stn in Purépero, but that QTH not hrd.(GH)0327 SS (SFC)1200 Mex mx & IDs like XERPP, possibly in Puebla(ESB)0122 mx, ID & fqy(JBa) What was fqy quoted?(DF) R. Alma Musical at \*1200 w/ranchera mx(MAF)
- 3203 THAILAND Bangkok 1445 in Thai?, good sig(SFC) Definite ID?(DF)
- 3204 NIGERIA NBC Ibadan 0445 EE w/Hausa ads(BB)
- 3205 NUMBERS in SS 0610(DJ) "Blue Danube Waltz" strong 0405, then EE numbers(AVS)
- 3212 DOM. REP. R. Libertad, 0345\* after pops & ID(BS)0015 SS sports(BB)0330 SS ID & pops (SN) ID 0200, ads, SS(ARN)0330 ID, SS pops(LM) A couple of you mention HISD was absent. R. Libertad has been here irregularly for over a year. HISD long gone.(DF)
- 3225 VENEZ R. Occidente, \*1000 mx, 1030 SS lesson.(ESB) Here irregularly over a year. WRTH of no use on this one. (DF)
- 3230 FIJI FBC 0945 US vocals, UTE carrier down one.(BB)
- 3232m CONGO REP. Brazzaville \*0500 FF, mx, recent NF(BB) What kind of accuracy do you indicate when you list a fqy as measured?(DF)
- 3232T INDONESIA YDM, Bukittinggi, 1421 Indon, pop mx, no ID noted(DW)
- 3235 INDIA AIR Guahati listed, 1430 talk by man in lang, no ID noted(DW)
- 3238mv IRAQ Baghdad 0355 lang(Kurdish sked)(BB) What does mv mean; since you object to listing fqys to .1 kHz?(DF)
- 3242 INDONESIA RRI Ambon 1350-1400\* Indo anmts, pops, ID, Hawaiian guitar IS & off(DW)
- 3244 BR AZIL R. Educ. Palmares 0230 PP pops under Venez.(BB) (SN)
- 3245 VENEZ R. Libertador end PP pgm 0045(GH) Arab mx 0225, EE & SS ID 0228(RC)0300-0500/
- 3255 VENEZ LV del Tigre 0400 late pgm of fiesta mx & ID, pepsi-cola ads(BS)
- 3255 LIBERIA ELBC 2209 cl mx, EE anmts(AVS) Great lvl 0030, EE IDs(GLD)2305-0000 mx & mx; in EE(JDT)
- 3260 NIGER R. Niger 0615 FF w/native mx(BB)
- 3264m MOZAMBIQUE RCM 0330 EE, US pops to S. Afr., Jan 71 sked shows 3218(BB)
- 3265 GUYANA R. Demerara 1005 EE, pops, fair(AVS)
- 3265 UNID w/EE rel pgm 0235, also, PP 0255. Demerara?(RC)
- 3275 VENEZ R. Mara from 1000 SS, light mx(MAF)(BB)\*0955. Not in LR for many years. Were they off?(ESB) Yes(DF) 0000-0400\* LA mx, tlk, IDs, TCs, concert mx(MAF/BS/SN/DW/ARN) Has been s/off 0400 for months(SN) 0427-0601\*(RC)
- 3275 BRAZIL R. Cl. Bauru 0327 mx, clear ID 0345, tlk 0400(JDT)
- 3280 GRENADA WBS 0030 BBC drama(BB) 0145 EE(RSD) 0203N.E, 0217\*(JBa)
- 3280 UNID SS tlks & pops, weak 0250, audible LSB only(SN)
- 3284m FIJI FBC 1015 S. Pacific mx, low modulation(BB)
- 3294m BRAZIL R. Educ. de Uberlandia 0900 N:P, local vocals(!). QRM may be military(BB)
- 3294 ZAMBIA ZBS 0430 vernaculars, drum mx(BB) Vernacular w/Afro mx 0330, good(AVS)
- 3295 GHANA noted several checks before 3326 appeared, in N:E to 2355, //3326. One of these gas got to be spurious. 3295 has stronger signal. S/off 2300(ARN)

- 3295 VENEZ R.Trujillo 1005-1031 t/o SS, mx, IDs(JDT)\*1000(RC)
- 3315 MARTINIQUE ORTF \*1000 anthem, FF ID, mx, 1030 FF mx:(ESB)0015 FF tlk show(BB)  
0117-0220 t/o w/cl mx pgm; FF anc, CW QRM, poor(DJB)
- 3320 GUATEMALA R.Mayo de B., TGBA; 0245-0306\* rel pgm, full ID 0302(DW)
- 3326m GHANA Accra here closing 2300 on two recent checks, in EE. Maybe suprious(ARN)
- 3326 NIGERIA NBC Kaduna(90% sure) 2236 EE rel pgm, ID 2245, N+E, ID, 2259\*, 6 Mar only.  
(DJB) ?? Are these the same station or not? (DF)
- 3339 ZANZIBAR RTZ still here \*0330 AA chants, quick fade(AVS)0335 Swahili tlk, Afr mx:  
(BB)Chants & Swahili talks past 0350(SN)0341 AA chants(SFC)
- 3345 PHILIPPINES FEBC 1127 in Tagalog w/ hymns. Was looking for Pontiniak(AVS)
- 3346 INDONESIA Pontiniak 1415 tlk, mx:(SFC)
- 3346 ZAMBIA Lusaka 0405 EE, pops(SFC)0415 EE, mx:(GLD)0430 EE discussion, US pops(BB)
- 3355 VENEZ R.Valencia w/SS tlks & mx, IDs(SN) Time?(DF)
- 3355 N.CALEDONIA Noumea 0950-1000 t/o FF drama(DW)Pops, FF 1045, //7170 & weaker(AVS)
- 3355T INDONESIA YDI20, RRI Sumenep 1515-1525 t/o Indo tlk, tentative ID 1520(DW)
- 3355 DOM.REP. LV de Romana 0235 local mx, SS(ARN)
- 3360 GUATEMALA LV de Nahualá 0415 pop mx & ID(BS)
- 3365 VENEZ R.Puerto la Cruz \*1012 anthem, ID & Venez mx:(ESB)
- 3365 DOM.REP. R.Exitos 0129-0502\* w/LA mx, IDs, classical mx:(JMS/MXW/SFC/SN)
- 3370T R.Universidad w/SS mx & tlks to 0417\*; heavy RTTY(SN)BOLIVIA
- 3375 INDIA AIR Gauhati 1435 weak in Indian lang(SFC) Definite ID?
- 3378 ECUADOR R.Iris 0500 ID, SS mx, 0502\*(SN) (DW/BB)
- 3385 BRAZIL RC Teresina 0805 past 0900 pop & lite mx, PP IDs, tlk, QRM ORTF/Rabaul/
- 3385 FR.GUIANA ORTF \*0913 w/LM, N:F 0930; IDs, mx; QRM YV from 1005(RC/SN/ESB)
- 3385 VENEZ R.Barcelona \*1000, over ORTF(AVS)LA mx: 1030(AVS)0335 Rumbos mx, LA mx:(JDT)
- 3390A ECUADOR R.Zaracay 1042 strong w/ID(RC)
- 3395 VENEZ R.Universidad SS pops, ID 0245(RC)
- 3396 NIGERIA NBC Kaduna 0500 N+E(BB)
- 3600 UNID after 1000, can't ID(AVS) Is Cuba, 6 x 600 kHz(DF)
- 3778v IRAN Teheran 0400 Persian tlk, nativa mx, recent NF for HS(BB)
- 39000 CHINA Peking or Hailar or Foochow at 1045 in lang. Too weak to be sure(BB)
- 3905 INDIA AIR Delhi in native mx 1420(SFC)
- 3918 S.KOREA Seoul in Korean talk 1415(SFC)
- 3923m CHINA Huhehot, Inner Mongolia listed; 1045 lang, quite weak(BB)
- 3945 JAPAN NSB 1100 Japanese mx(BB)
- 3950m CHINA Sining listed, 1100 lang(BB)
- 3960v MOZAMBIQUE R. Pax 0415 PP rel discussion, NF ex 7205, RFE QRM(BB)
- 3961v CHINA Peking 1100 Jpanaese(BB)
- 3971m CAMEROON R.Buea 0445 FF discussion, drum mx(BB)
- 3973vT ECUADOR R.Sira believed the SS stn here 1100(BB)
- 3980 W.GERMANY VOA Munich 2300 N+E(AVS)0330 EE Breakfast Show(BB)
- 3985T BURUNDI R.Cordac 0330 lang under Ecuador, low het, hams(B)
- 3985m ECUADOREsc.R.Pop., Riobamba, 0305 full ID, melodrama(BB)
- 3985 GHANA Peking 1220 talk in EE(SFC)
- 3986 NIGERIA NBC 0511-0542 t/o in EE w/mx, ads, lang(MXW)
- 3994m ECUADOR LV del Rio Tarqui 1100 SS ID, Andean mx(BB)
- 3995 SOLOMON IS. SIBS 1100 EE tlk, Ecuador down 1(BB)
- 3997 S.AFRICA SABC 0230 EE(SFC)0330 All Night Svc, mx in EE(BB)0330\*(TDS) ?(DF)
- 4020v CHINA Peking 1100 lang, possibly Indonesian (BB)
- 4110mT CHINA Urunchi, 1145 unid lang, in BCB QRM(BB)
- 4460m CHINA Peking 2315 lang, open RTTY carrier up 1(BB)
- 4545m KAZAKH SSR(list) Alma Ata 0230 in presumed Kazakh(BB)
- 4678m ECUADOR R.Nac.Espejo, 0245 SS drama(BB)YL in SS 0110(AAM)
- 4686 SWITZ. SRG Beromünster, 3 x 1562, Ger \*0510-0700 f/o; mx, mx:(IM)
- 4716v ECUADOR R.El Progreso 0300 SS ID, mx:(BB)0330 past 0600(ESB)0410 Ec mx, ID(GLD)
- 4725 BURMA BBS Rangoon, Burmese tlk 1240, other pgm & format on 5040 same time(BP)
- 4750 CONDO(DR) Lubumbashi w/native mx, man in FF from 0425 tune(GLD)
- 4752vT CLANDESTINE Azad Kashmir Radio, long rptd by Scandanavian DXers, seems to be  
coming thru at 0200 in lang(BB)

- 4752v INDONESIA RRI Makasar 1200 Indonesian mx, said to be Djakarta relay(BB)  
 4760m BOLIVIA R.Emisoras 0120 LA mx, mx 0200(JDT)  
 4760 VENEZ R.Frontera 0310 LA mx, IDs(JDT)0500 late fiesta pgm, mx, many IDs(BS)  
 4763a PERU R.Inca 1015 fair(LM) Need details(DF)  
 4765 CONGO(PR) RTC Brazzaville, off 2206 Sat w/anthen(RC)  
 4770 LIBERIA ELWA 0645 rel pgm(JMS)2240 rel pgm, ID, world mx, all EE(JBa)  
 4772 VENEZ R.Bolivar 2240 f/i, strong by 2300. Also 0925 strong(RC) Pgm?(DF)  
 4775 N.KOREA Pyongyang up from usual 4770, Korean tlk 1100, again around 2010(BP)  
 4777 GABON RTVG FF 0453(DJ)0520 FF songs(HPK)0605 Afr mx, lang(JMS)2300\*many days(LM)  
 4780 RSFSR(Eur) Moscow area tx in HS 0200.RR mx, separable YV(BB)  
 4780m HONDURAS R.Juticalpa 1200 SS ID, YV up 1(BB)  
 4783 MALI Bamako 0558 cora IS, FF ID 0600, march mx(SN)\*0603 march mx, FF ID, chant(CL)  
 4784mT BRAZIL R.Ribamar 0930 PP tlk, mood mx, has never been IDd here AMs, when is unsked(BB) Unsked where? WRTH? WRTH info on LAs is inadequate(DF)  
 4785 AZERBAIJAN SSR Baku 0210 RR piano mx, not //4780(BB)  
 4785mT TANZANIA R.Tanzania 0345 lang, chanting, RTTY(BB)  
 4790 MALAYA RM Penang 1200 Malay, mixed weak BCB harmonics(BB)  
 4793v BRAZIL R.Congonhas, 0045 PP sports cmtry, DR up 1(BB)  
 4795T R.Tabajara thot the stn here 0915 PP discussion, vocals(BB)  
 4805m INDONESIA RRI Djakarta 1200 Indonesian mx (BB)  
 4806v BRAZIL Rdif do Amazonas 0945 Brazilian folk mx thru RTTY(BB)  
 4807T BRAZIL Rdif do Amazonas 2231 live sports in PP, het São Tomé till 2301(CL)  
 4807m ECUADOR R.Pop. de Cuenca 0115 SS local cmtry(BB)From 1100, ID, ads, EC mx(ESB)  
 4815 UPPER VOLTA\*0600-0730 FF w/pops, Afr mx, mx 0631(LM/JR)2208 FF pops, cmtry(DJ)  
 4815m BRAZIL R.Icarema 0945 PP pops(BB)  
 4820 GAMBIA RG 0628 cora IS, EE ID, chanting, EBC mx 0730(ARN/BB/CL)  
 4820 HONDURAS HRVC 0300-0500 EE(SN)(HPK)(JBa)  
 4823v BRAZIL R.Educ. de Parnaiba 0930 PP mx cmtry(BB)  
 4823 N.VIETNAM Hanoi still here, HS in Viet around 1115(BP)  
 4825 ECUADOR R.Luz y Vida 0530 Ec mx, YL ancr to 0600\*(ESB)  
 4825 DOM.REP. LV de la F.Armadas 0333-0400 t/o mx, IDs(MXW)Full ID 0400, mx to 0458\*(RB)  
 4828m RHODESIA Gwelo N:E 0400(BB)N:E 0400, began to fade 0415(SFC)  
 4825 TURKMEN SSR (Lits) 0215 RR gymnastics(BB) List Ashkhabad)  
 4830v BOLIVIA R.Grigota 0440 SS & EE pops, ID 0500(HPK)  
 4830 VENEZ R.Tachira 1020 SS ID & Venez mx. Correct call?(ESB)1045 LA mx, IDs(HM)  
 4832 COSTA RICA R.Capital 0500-past 0530 SS mx, IDs, SS & US pops(AAM/SN/LM)  
 4834m SARAWAK RMS, Kuching, 1200 native talk(BB)  
 4835T BRAZIL R.Dif.Roraima \*1005 mx, PP tlks, son varies to 1015, but no IDs(ESB)  
 4840 VENEZ R.Valera 0327 SS mx, ID(AAM)  
 4840 UNID - sounds like Chinese 1245(TDS)  
 4843m CONGO(PR) Pointe Noire w/folk tunes/FF 0521(CL)0515 Afr mx(BB)  
 4845 BOTSWANA Gaberones N:E 0420, poor(AVS)Nx in Afr lang 0430(BS)  
 4845 COLOMBIA R.Bucaramanga, 0300 SS mx & ID(BS)  
 4846m BRAZIL R.Dif. Teresina 0915 PP dances(BS)  
 4846m BOLIVIA R. Fides 0115 SS ID, tlk, no Honduras found(BB)  
 4850 MAURITANIA RM 2200 guitar mx, FF cmtry, AA mx, 2230\*, 2300\* Sun(DJ/HM/LM)  
 \*4850 PERU R.Atlantida 1030 SS ID & Peruvian mx(ESB)  
 4854m INDONESIA RRI Palembang, 1130 Indonesian, one of the best(BB)  
 4855m MOZAMBIQUE RCM 0400 PP tlk, Eur mx, RTTY carriers(BB)  
 4836m BRUNEI RB 1130 lang, clear of Peking up 3(BB)  
 4865 BRAZIL RC do Para 0530 PP tlk, Carnaval mx past 0700, 21 Feb(ESB)  
 4866m CHINA Peking 1130 Mandarin ID, very clear(BB)  
 4869mT BOLIVIA R.Norte, Montero, 0100 SS tlk, barely readable(BB)  
 \*4870 ECUADOR R.Rio Amazonas \*1045 mx & Indian rel pgms, 1115 ID, hymns, lang 1130(ESB)  
 4870m UNID 1315-1340 t/o man in lang, mx, more talk(JDT)  
 4871m DAHOMEY Cotonou (or Porto Novo?) 0610 FF tlk, mx(SN)0610 FF ID, Afr mx(BB)  
 4875 BOLIVIA R.Cruz del Sur 0950 SS ID, tlk, 0955 Aymara pgm(ESB)  
 4875 ECUADOR LV Esmeraldas 0205 ID, ads(BB)Ec pops 0515(BS)mx, ID 0520(JDT)0630(ESB)  
 4883 BRAZIL R.Pion. Teresina 0800-0900(LM)

- 4884m COLOMBIA Ondas del Meta here from 6115v, 1015 SS ID, LA vocals(BB)  
 4890 HONDURAS R.Lux at 1220 mx, pgm, ID, no sign of AEC, usually hrd that time(MAF)  
 4890 SENAGAL Dakar \*0600 after IS, into AA chants, FF mx 0630(JR/JS)2159 N:F(DJ)  
 4894m BRAZIL R.Baré 1030 N:P, cmtry, good audio(BB)  
 4905 CHAD noted 2149 Afr mx, mah in FF, one day only(JDT)Tentative 2203 FF tlk(DJ)  
 4907 CAMBODIA RNK 1130 Cambodian tlk(BB)Cam. tlk by YL 1115(BP)  
 4914m BRAZIL R.Cultura de Araraquara 0915 PP ID, slow Brazilian pops(BB)  
 4914v BRAZIL Em. Rio São Francisco 0915 Brazilian pops, after sports(BB)  
 4920 INDIA AIR Madras 1602-1631 f/o EE by YL, Indian mx, chants(DW)  
 4925m BRAZIL R.Industrial 0915 PP ads, etc(BB)  
 4926 RIO MUNI Bata SS songs & ID 0500(BS)2050 SS, folk mx to 2202\* w/anthem(CL)  
 Highlife mx, SS, 2125(AVS)  
 4927m INDONESIA RRI Djambi, 1200 Indonesian mx, said to be Djakarta relay(BB)  
 4930 ARMENIAN SSR Erevan w/RR HS 0215 morning exercises to piano(BB)  
 4932 NIGERIA NBC Benin 0550 mx, ID, N:E 0600(JDT)  
 4935m BRAZIL R.Poti 0900 PP ID, ads(BB)  
 4940 HAITI R.Dif. Haitienne 15 minutes FF mx 1130(AVS)  
 4945 BRAZIL R.Educ.Braganca w/clear IDs 0300/0317(JDT)0900 PP ID, rel pgm(BB)  
 4945 COLOMBIA R.Colosal in the mixture here 0300-0420(JDT)  
 4945 S.AFRICA SABC almost dominant by 0400 w/mx, ads(JDT)  
 4950 SENEGAL Dakar 0605 FF pops, fair(SN)  
 4956v BRAZIL R.Cult. do Campos 0930 N:P, another Brazilian underneath(BB)  
 4970 GUINEA Conakry 0645-0737\*, not //4910/7125/9650; seems for national audience(LM)  
 4970 MALAYSIA RM Sabah, 1215 Malay, mix WOR 7th harmonic(BB)  
 4972 CAMEROON R.Yaounde 0530 FF ID, mx(BB)2220 FF songs(DJ)  
 4980 GHANA Ejura w/man ancr 0600(SFC) Lang??(DF)  
 4990 NIGERIA RN 2217-2225 t/o w/EE tlks(JBa)  
 4993v SUDAN SBCS 0430 AA mx(BB)AA chants 0404, flute mx, into AA mx 0415(JR)  
 5000 S.AFRICA ZUO, Olifantsfontein w/time ticks 0130-0200(RSD)  
 5010 DOM REP R.Cristal anncd "LV del Papagayo" 1120(LM) ????(DF)  
 5010 SINGAPORE FBS 1130 EE, LA QRM(BB)  
 5015 RHODESIA Gwelo w/ID 0402, ads & N:E(SFC)  
 5015 RSFSR(As) Vladivostok 1230 excellent(FEA) details?(DF) (DW/JDT)  
 5026-27 COLOMBIA Trans. Caldas was up here, but now back on 5020. 0000-0500(BS/ESB/BB)  
 5029 DOM.REP. HIBB 0320 SS mx, slight drift(SN)  
 5030 VENEZ R.Continente 0240 SS mx, songs(HPK)0320 N:S, ID(SN)  
 5035v BRAZIL R.Anhanguera, 0900 PP ID(BB)  
 5040 GEORGIAN SSR Tbilisi 0500 Moscow RR mx, //4780 Moscow(ESB)  
 5040m VENEX R.Maturin 1015 SS ads(BB)2255-2300 SS(LM)  
 5042 ANGOLA RC de Benguela, tentative, PP mx 0600(BS)  
 5045T COOK IS RCI believed the stn mixing Brazil 0840 w/chimes(BB)  
 5048v INDONESIA RRI Jogjakarta 1200 Indonesian mx(BB)  
 5047 TOGO Lomé 0556 cl mx, FF(DJ)2231-2300\*mx, N:F, off after anthem(MXW/DJB)  
 5050 VENEZ R.Mundial, pops, ID & 0600\*. Call seemed to be YVKD, same as former  
 R.Cultura(BS)  
 5051v SINGAPORE R.Singapore 1200 lang(BB)  
 5057 UNID 0430 SS tlks to 0445 f/o, very weak(SN)  
 5060 S.YEMEN Aden s/off here in AA w/short anthem 2200 on good days(AVS)  
 5060 ANGOLA RC do Huambo, pops, ID, N:P 0530(BS)  
 5061m ALBANIA Tirana 0530 Albanian folk mx, mideast flavor(BB)  
 5061v ECUADOR R.Catolica 0315 SS ID after light music(BB)  
 \*5062 VENEZ R.Litoral 0330 mx, IDs, ads, past 0530(ESB)late fiesta pgm & ID 0515(BS)  
 5065 RSFSR(Eur) Petrozavodsk 0300 RR HS(BB) 0345 RR, 6 pips 0400(GLD)  
 5084m INDONESIA RRI Medan at 1200 lang(BB)  
 5250m CHINA R.Peking 2230 Mandarin HS in SSB, //5320m in AM(BB)  
 5260 KAZAKH SSR Alma Ata \*0000 anthem, Kazakh & RR mx, //9250/9380/10530(ESB)0030  
 M&W in RR, //10530(AVS)  
 5925 UZBEK SSR Tashkent 1300 Uzbek mx or tlk(ESB)  
 5930v CHINA Chinese HS from 1330. Different Chinese HS on 5935(ESB)

- 5950 NICARAGUA R.Zelaya 0130 mx & SS ads to 0202\*, fading(ESB)  
 5955 CHILE R.Nuevo Mundo, 1008 SS ID, ads, mx, clear(ESB)  
 5960 MEXICO XEUMT R.Univ.Iboamericana 1000 w/Mexican mx, fair(SN)  
 5980 GREENLAND Grønlands R., 1015 anmts & mx, 1030 tlk(ESB)1011 IS, anmts, mx(CL)  
 5990 SWEDEN RS 0300-0430 FF/EE/Swedish to WNA, ex 9725(BB) 0032-0100 EE(KGK)  
 5990 ITALY RAI 0100 EE/0121 FF/ on 22 Feb, next day on 6010(ESB)  
 5995 PORTUGAL DW 2300 mx, M&W tlk 2310(JDT)  
 6000 AFGHANISTAN Kabul 0215 lang, Islamic chanting under Brazil(BB)  
 6012 THAILAND Thai Yu Co, 1405 Thai(SFC)  
 6020 PERU R.Victoria 1110 Peruvian mx & SS ID, clear(ESB)  
 6025 HUNGARY Budapest s/on 2130 EE to Eur, SS 2200, recent NF(BP)  
 6030 CANADA CFVP at 1023 w/"Holiday Inn" pgm in EE, EE ID & nx 1100(CL)  
 6031 PHILIPPINES FEBC 1028 EE ID by man, into SS dialect w/reel mx(CL)  
 6033 CLANDESTINE V.of the People Of Thailand 1203 Thai pol.cmtry(BB)  
 6037 COSTA RICA TIFC EE rel pgms, full ID & 0405\*, //9645(RB)  
 6045 PERU R.Santa Rosa 1057 s/on w/anthem, ID by man in SS, into mx(CL)  
 6045 PANAMA LV del Baru \*1003 anthem, ID, often hrd w/good sig(ESB)  
 6045 BRAZIL RC Paranaense 0045 futebol, QRM(AVS)  
 6048v MOZAMBIQUE RCM 0430 EE DJ show(BB)0407 pops, EE & Afrikaans anmts(RB)  
 6055 JAPAN NSWC 0945 Jap tlk, US light mx(BB)  
 6055 RWANDA Rdiff de la Rep.Rwandaise 0415 Swahili thru LAs(BB)  
 6060 SICILY RAI 0609 mx in Italian(?), ID, classical mx(CL)2224 men talk in Italian(DJB)  
 6060 ARGENTINA R.Nacional 0930 Argentine mood mx(for good moods or bad moods?)(BB)  
 6068v W.PAKISTAN R.Pak., Karachi, local svc 0145 Bengali, sked //4875 0130-0330(BB)  
 6075 ITALY RAI s/on 0330 Italian(SFC)  
 6075 USA WNYW revealed after VOA/Phil 2230\*, CBC mx, via long route(BP)  
 6076m CEYLON R.Ceylon 1230 Tamil Svc, QRM Honduras up 1.5 kHz(BB)  
 6084m CONGO(DR) Kisangani 0415 FF discussion, Afr mx(BB)  
 6085 INDIA AIR Variety 1245 Indian langs, just before fadeout(BB)  
 6085T W.GERMANY RFE(?) 0357 IS & anthem, 0400 TS & mx, maybe Bulg. BR may have left  
 6085 kHz, Seems //6095(ESB)  
 6090 ARGENTINA R.Belgrano 0930 Argentine vocals, under Luxembourg(BB)1000 SS ID, mx(ESB)  
 6092v CAMBODIA RNK 1100 Cam. folk songs(AVS)  
 6094v SOMALI REP NBS 0400 Somali talk, prob. nx, LA QRM(BB)  
 6097m SOMALI REP. Mogadiscio 0333 w/slow Somali chants, QRM DW 6100(AVS)  
 6100 VENEZ YVTO, time stn, 0115-0145 SS time anmts(BK)  
 6105 COLOMBIA R.Vision 1100 SS ID & mx, 1108 ma(ESB)  
 6115v COLOMBIA -LV del Llano 1000 SS ID after greetings to individuals(BB)  
 6119 VENEZ R.Angostura 1030 SS ads, nx, ID(ESB)0915 s/on, good sig(MAF)  
 6120 FINLAND FBC 0651 Finnish w/orchestra mx, Finnish anmts(CL)  
 6125 HONDURAS HRQ, 0140 SS ID, latin tunes & ads(SN)ID with call or slogan?(DF)  
 6129 VENEZ R.Valles del Tuy 1100 Venez mx, QRM VOA(ESB)  
 6130 LAOS RDNL Vientiane, 1330 Viet lang & mx, clear to 1400(ESB)  
 6135 POLAND Warsaw 0033 past 0112 EE to NA(JBa)  
 6140 AUSTRALIA VLW6, Perth, horse racing 1002(AVS)  
 6140 ENGLAND BBC is here w/EE nx to Eur, blocking Burundi 0400(AVS) Langto Afr 0500,  
 first thot Burundi(DJ)  
 6140 NETHERLANDS RN \*0930 Sun, Happy Stn to Eur to 1000 f/o, Sun only(BP)  
 6155 JAPAN FEN 0845 good(FEA) Details, please(DF)  
 6157.5 PERU R.Pucallpa, 1030 SS ID & Peruvian mx(ESB)  
 6160 CANADA CHNX-Halifax at 1131 ID & mx. After 1 1/2 weeks off air, returned to 6130(CL)  
 6175 MALAYSIA Kuala Lumpur begins Mandarin 1105 after 5 minute IS(AVS)  
 6180 ARGENTINA R.Nacional, Mendoza, 1000-1045 mx pgm, local ID 1033(MAF)  
 6180 VENEZ R.Turismo 1045 after Argentina f/o, no ID, but ads for Valera & Bolivar(MAF)  
 6200a or 6198a UNID w/Oriental lang by YL, mx 1215, past 1300 w/YL tlk. Indonesia or  
 Pathet Lao or neither?(MAF)  
 6205 INT.WATERS R.Nordsee Int., 0518 US pops, EE ID 0530(DJ)2030 pops past 2100(JBa)  
 6235 W.PAKISTAN Karachi 1335-1350 EE, 1358 IS & Pak. lang(ESB)  
 6250.8 PERU R.Cuzco 0430 SS, smooth mx, IDs(LM)

- 6262v GALAPAGOS LV de G., SS mx: pgm to 0402\*, marching band anthem(SN)  
 6265-70a UNID, believe ECUADOR, LV de los Aucas in F.Orellana; mx: pgm including variety called "ecuatoriana", 13 Feb. Also 18 Feb at 0310 w/mx: pgm, weak. Anthem is that of Ecuador(MAF)  
 6400 N.KOREA Pyongyang 1000 Kor HS //6250; 2 other Kor pgms on 5870 & 6600. Do they have 3 HS pgms?(ESB)  
 6600 N.KOREA KCBS 1145 Korean HS(BB)  
 7109v MALAYSIA RM, 1200 Mandarin begins, Thai TV still on 7107(BB)  
 7110 DOLECANESE IS VOA Rhodes 0401 N:A, CW QRM(DJB)  
 7125 GUINEA Conakry 0315 EE political cmtry, ID(BS)  
 7130 W.GERMANY DW 2254 strong in lang(GT)  
 7140 CYPRUS BBC 0551 EE cmtry(DJ)0200-0230\* Persian(ESB)  
 7175 INDONESIA RRI-Djakarta back here, ex 7268, Indonesian 1130(BP)  
 7175 S.VIETNAM Saigon w/Viet talk 1115, fair(AVS)  
 7199v SUDAN 0345 AA HS(BB)0030 native mx: to 0130\* w/anthem //9505, 5 Mar(ESB)  
 7210 SENEGAL Dakar \*0700 FF(JS)  
 7210 INDIA AIR Calcutta 0030 Indian lang, film mx(BB)  
 7221v MALAYSIA VoM, 1200 Mandarin sked, not certain(BB) Not certain what?(DF)  
 7225 PHILIPPINES FEBC 1215 "Hour of Decision"(TDS)1130 EE(BP)N:E 1155, EE rel 1200(BB)  
 7230 SPAIN RNE \*0800, into AA, evidently a new svc, consistent (BP)  
 7235 AUSTRALIA RA Shepparton, NF, begin Indon 1100(BP)  
 7250 AUSTRIA Vienna, NF 0515 EE, sked 0530-0545(LM)  
 7364 W.PAKISTAN RP 0015-0100 EE to SEA //9460(BB)  
 7270 SARAWAK RMS audible with Djakarta gone, Malay ID by YL 1130, into lang(BP)  
 7285 JAPAN NHK HS 0945 EE lessons, N:E 0955(BP)  
 7285 W.GERMANY DW 0120-0220 EE to S.As. //9545(BB)  
 7295v MALAYSIA RM 1115 EE tlk(BB)  
 7335 CLANDESTINE Rfonikos Stathmos I Foni Tis Alithias, Greek 0430-0459 & 0700-0729(LM)  
 7335 CHINA Peking tlks & mx: 1240(TDS)  
 7350 CHINA Peking 0000-0100 Cantonese in Foreign Svc(BB)  
 7469.2 CLANDESTINE(tentative) UNUD Asian here believed Pathet Lao Radio 1115-1300 lang, not Viet. (LM)  
 7545 N.VIETNAM Hanoi w/YL in tlk in Thai 1205 // 10150(AVS)  
 7691 see Mar. 7691 should read R.Espana Indep, not R.Euzkadi(LM)  
 9022 IRAN R.Iran \*1707-2138\* after 1658\* for 15084 rgy(LM)(BB)(RC)  
 9100 ENGLAND BBC USB relay 0022-0200 EE & lang(RSD)  
 9466v W.PAKISTAN Karachi 1945-2030 EE to UK(BB)  
 9505 SUDAN SBS to 2240\* 19 Feb; //11835; blocked till 2200 by VOA(BP)2120 AA(SFC)  
 9505 BRAZIL R.Record 2230N:S(GT)In SS? Definite ID?(DF)  
 9505 JAPAN NHK begin EE 0500 & 0600(JS)  
 9505 GUATEMALA TGNB 1230 SS rel pgm, 1330 N:S)ESB)9506, 1145 SS rel pgm(BB)  
 9510 INDIA AIR Madras 1030-1100 w/ Indian mx; YV knocked them out 1100(AVS)  
 9510 ALGERIA RTVA 0557 tone, anthem 0602, begin AA, chants 0604(GLD)1903 AA //11810(CL)  
 9515 TURKEY Ankara s/on 0355 Turkish HS(BB)0410 AA singing(RSH)  
 9515 URUGUAY R.Sraandi N:S 0000-0030, then lost or s/off(AVS)  
 9521v PERU R. La Cronica 1130 SS tlk(BB)  
 9525 S.AFRICA SABC EE to Afr/ME 0510(TDS)0430 IS under RHC(RSH)  
 9530 ECUADOR HCJB, 0430 RR rel pgm(TDS)  
 9535 INDIA AIR Delhi 1230 HS N:E, into lang to 1315\*(CL)  
 9550 PERU R.Nacional, Tumbes, 1115 Latin pops(BB)  
 9560 PERU R.Nac w/nice mx: & SS 0630-0716\* abruptly(JR)  
 9570 CHILE R.Portales 1030 SS(BB)1035 LA mx, TCs(AVS)  
 9570 INDIA AIR, NF, EE mx: in GOS2300, //9530(BP)  
 9576 EL SALVADOR LV del Comercio 1230 mx, SS ads, ID, weak but clear(ESB)  
 9601 UNID - it's gotta be Peru, with Andean mx, SS 1100(BB)  
 9624 PERU R.Atlantida 1050 SS ID, tropical mx(BB)  
 9625 PERU R.Atlantida 1115 coke ad, mx(AVS)  
 9640 S.KOREA VofK 1100 excellent(FEA) Need details(DF)  
 9654 PERU R.Nor Peruana 1100 SS ID, ads, Andean mx(BB)

- 9666T PERU R.Eco, newly activated, must be the answer, 1100(BB)  
 9676 BRAZIL R.Diario da Manha, 0830 PP mx:(BB)  
 9710 PERU R.Tropical 2250 weak(JMB)Ads, LA mx: 1025\*AVS)  
 9725 ETHIOPIA ETLF 0330-0400 Swahili to E.Afr(BB)  
 9745 IRAQ RB \*1930-2020\* EE to Eur, NF(LM/MKW)  
 9748v VENEZ R.Occidente 1200 N:S(BB)  
 9757v PERU R.Sideral, Pucallpa, 1112 full SS ID(BB)  
 9761 SPAIN RNE \*1100 SS to Eur(BB)  
 9767v PERU R.Amazonas 1200 SS tlk, LA mx, just separable Haiti, up 1(BB)  
 11320 JAVA R.Angkatan Udara from around 1300 tune, mostly man in Indonesian(GLD)  
 11710 INDIA AIR 0111-0115\* native, mx, ID(JDT)  
 11712 ARGENTINA RAE 2200-2300 FF to Eur(BB)(BP)  
 11715 PHILIPPINES VOA Tinang \*1058 w/"Phil" ID, but no site, into EE(AVS)  
 11719.5 CONGO Kinshasa 0215 Congo mx:(ESB)2245 FF(BB)2230-2255 native mx:(ARN)  
 11735 URUGUAY R.Oriental 0030 SS mx, ID, mx; fair several days to 0130 f/o(ESB)  
 11755 ARGENTINA R.El Mundo 2246-2303 t/o SS mx, ID(MKW)mx, TCs, IDs 0145 -ast 0216(JR)  
 11765 AUSTRALIA RA in EE 0900(RAP)9645 EE to Eur(BB)(KGK)  
 11765 ETHIOPIA ETLF w/N:F 0400-0410\*(WH)  
 11775 LEBANON RB now here EE to NA 0230-0300, ex 11780(LM)  
 11780 PERU R.Nac, 0355 SS(BG) Need details(DF)  
 11805 DENMARK RD 1729 ID by man, into Danish, NF(CL)  
 11810 LEBANON RB 0228 EE ID, EE To NA 24 Feb only(CL)Also 23 Feb(RC)  
 11825 TAHITI R.Tahiti FF & mx: 0515-0530(TDS)  
 11835 URUGUAY R. El Espectador w/ads, N:E 2335(WH)  
 11850 ETHIOPIA ETLF 0300 FF, 0330 Malagasy & mx, ex 11855(ESB)  
 11854.6 BRAZIL R.America 2300 Voz do Brazil, PP ID 2333, own pgm to 0000\*(ESB)  
 11920 SEYCHELLES FEBA 0230 lang to India(BB)  
 11947 PARAGUAY Presumed R.Encarnacion w/QRM & SS mx: 0100, Paraguay mentioned(AVS)  
 15080 INDIA AIR Bombay 1745 EE ID & mx, 1800 N:E(ESB)  
 15140 NIGERIA RN 1818 high life mx:(JDT)  
 15165 RWANDA DW 1800-2010 GG to E.Afr, NF ex 15380(BB)  
 15170T JORDAN Amman 2330 s/on w/IS, AA ID, flute mx(CL)  
 15185 SEYCHELLES FEBA back here, EE interview 0315, EE ID 0330(BP)  
 15210 PHILIPPINES VOA Poro weak w/EE mx: 0100(AVS)  
 15281 HAITI 4VWI 0100 EE to 0204\*(ESB)  
 15283v HAITI 4VWI now here 2315 SS(BB)  
 15290 PHILIPPINES VOA Tinang \*0058, EE mx: (AVS)  
 15315 ETHIOPIA ETLF 1340 N:E(AAM)  
 15385v to 15390 UNID noted a few times during good african reception after 0300 in lang & after 0500 in FF(GH)  
 15410 RWANDA DW 2257-2320 GG to SA(SH)  
 15430 S.KOREA VoFK 0300-0310 N:E(SH)  
 15435 MALAYSIA BBC FES 2311-2314 EE & s/off(SH)  
 15435 TANZANIA R.Tanzania 1815 Afr mx, EE ID 1830, into FF(RSH)1700-1800 EE, drums & military mx:(RAP)  
 15450 BRAZIL R.Nac.Brasilia, PP ID, mx, ex 15445(CL)Time?(DF)0014 LA mx, ads, IDs, 5kHz high several nights(JDT)  
 17660v CLANDESTINE R.Espana Indep. 1345 SS folk mx:(BB)  
 17715 AUSTRALIA RA Darwin 0335 classical mx, EE ID, pips & mx: 0400(CL)  
 17725 MALI (Tentative) \*Possibly Mali's listed 100 kw tx in Afr lang w/pops & ads in lang; possibly mx: at 1700; but maybe Cairo(DJ)  
 17735 PHILIPPINES VOA Tinang 2328-2338 Thai mx:(SH)  
 17742v IRAQ believed the one here in AA 1400(BB)  
 17785 MONGOLIA R.Ulan Bator \*1220, EE ID, mx, cmtry; BBC QRM after 1230(BP)  
 17800 MOROCCO VOA Tangier s/on1300, into Georgian(AVS)  
 17810 MALAGASY Despite several rpts of tests from RN around 1230-1245, RN says txs not left Holland. Target month of October is foreseen(GH)  
 17810 PHILIPPINES FEBC w/EE ID 0200(SFC)  
 17850 AUSTRIA Vienna 1600-1800 Ger, etc to S.Afr.(BB)

- 17860 RSFSR(Eur) Kusrk w/Moscow pgms 1439, Moscow IS 1500(GLD)
- 17865 AUSTRALIA RA 0100-0130 EE amts & mailbag(KGK)
- 17880 JAPAN NHK 0306 N,E(JDT)
- 21450 BELGIUM RTB 1000-1230 FF/Dutch to Afr, NF(BB)
- 21460 BELGIUM 1330-1700 Sunday Sports, mix HCJB, Moscow(BB)
- 21485 VATICAN VR 1150-1205 EE to Afr(BB)
- 21498 CONGO CRTF 1230 FF feature pgm(BB)
- 21505 ARMENIAN SSR Erevan w/Moscow Burmese 1430-1500(BB)
- 21545 S.AFRICA RSA back here 0800-0850 to NZ; retains 21520 at 1000-1050 to Australia. NZ drops back also to 17815, Australian svc stays on 17820(BP)
- 21570 ENGLAND BBC s/on 0800 WS, recent NF this period(BP)

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- AMM Albert A. Miller, Ohio HRO-500
- ARN Al Niblack, Indiana, SX100II, HQ200
- AVS Al Sizer, Conn., HQ180A
- BB Bill Berghammer, NY, HQ180/SP600JX6
- BG Bob Gant, SC, Zenith
- BP Bob Padula, Australia, CR100, 9R59DS
- BS Bill Sparks, CA, R-4B
- CL Chris Lobdell, Mass., SW4A
- DF Dan Ferguson, Fla, SB310
- DJ Danny Jamison, Va, SW4
- DJB D.Jean Burnell, Quebec, 840C
- DW Dave Williams, Oregon, 75S3C/SX122
- ECS Ed Shaw, Va., SX 130
- EJW E.J.Whitehead, Mass
- ESB Ernest Behr, Ontario, NC400
- FEA Frank E. Aden, Idaho, DX150/RAL7
- GAC Gregg A Calkin, Ontario, SW4A
- GH Glenn Hauser, Texas, HQ160
- GLD Gerry Dexter, Wis., HQ180/R4B
- GT Gary Toncre, FLA., DX150A
- HK Harold Kalkstein, PA, A-2515
- HM Henry Michalenka, RI, GR54
- HPK H.Price Kagey, CA, SB310
- JBa John Banta, NY, SX110
- JDT John Tuchscherer, Wis., HQ100A
- JMB John M. Burns, HQ180A/HQ100 FLA
- JMS John Smallshaw, Wis.,
- JR Jim Roberts, Manitoba, Kenwood
- JS Jerry Stuart, Okla., NC190/DX150
- KGK Kenneth G.Kabza, FL, R530
- LM Larry Magne, PA, R4B
- MAF Marlin A. Field, Mich., SX100
- MXW Michael Watman, NH, Zenith
- RAP Robert A. Pelz, Sr., Wis., SB310
- RB Ron Bruns, Mo., DX150A
- RC Rick Charnes, MA, HA230
- RSD R.Stephen Dildine, Jr., Va., SX133
- RSH Dick Heggs, BC, SB310
- SFC Stanley Cabral, CA., R530
- SH Steven Handler, Ill., HQ200
- SN Serge C.P. Neumann, Ind., HQ100A/AR88D
- TDS T.D. Smith, Texas, ?
- WH Wesley Huggins, NC, HQ200

It is the nature of a voluntary work that it must at times be put off/take second place to other things. This has been necessary the past few days here. Due to the urgent need for good quality sound during the Arthur Blessitt meetings here in the Miami area, I have been swamped with work providing such in several different places. This, in addition to being ill with the flu, and an inflamed joint, making typing difficult when I have been able to find the time to do it. For this/these reasons, I am about 5 days late mailing the LR stencils to Altoona. This is the reason for this issue of FRENDX being late arriving.....Also, in order to get the LR section done even this soon it has been necessary to abbreviate the section considerably. This was done after the first 3 pages were typed. Thus, from page 4 on, items had to be omitted. I am sorry this had to be done, but there was no other way. We expect to be back with a full section next month.

DF

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To BB: What exactly do you mean when you report a fqy as "Mv"; e.g., 4729mv? If you don't think items should be listed to the nearest .1 kHz, what does mv mean? DF

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Several are reporting fqys to rather high degrees of accuracy, and apparently with nothing but a direct readout receiver, and apparently without checking the accuracy of their fqy quotes. Please, keep a check on the accuracy of your fqys measurements.

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It seems again to be necessary to ask for more care on identification of stations. This is especially necessary with the LA stns. Just because some list shows a station to be on a certain fqy at a certain time does not mean you are hearing that station. "List logging" just doesn't work. So, please check your IDs carefully. Thanks.

Our thanks to those who contribute.

Last minit  
News-Tips

-FLASHSHEET-  
-FLASHSHEET-  
-FLASHSHEET-

Last minit  
News-Tips

AL NIBLACK-EDITOR, 420 SHELBY STREET, VINCENNES, IND.47591 DEADLINE 23RD OF MONTH!!!

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SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 3-4-71: 1-77, 2-78, 3-68, 4-80, 5-65, 6-73, 7-75, 8-60, 9-37, 10-37, 11-62, 12-50, 13-63, 14-60, 15-69, 16-66, 17-62, 18-68, 19-87, 20-91, 21-91, 22-100, 23-87, 24-98, 25-93, 26-69, 27-22, 28-71 MEAN-71.5  
PREDICTED: MAR-75 APR-72 MAY-69 JUL-63 AUG-60 (Grady Ferguson, No. Carolina) (Going down! The time is now to DX the lower fqy home svc senders! Editor)

AFGHANISTAN Kabul now 9530, 11790; German 1730; English at 1800. (SwDXers)

ASCENSION IS BBC Relay S/on 2200, English to So. America. (John Banta, N. Y.)(6005)

ARGENTINA R. Mac Mendoza full Sp ID at 1000, into amncts. (Al Sizer, Conn.)(6180)

AUSTRALIA RA, 11710, excellent 1230 in No. American Svc. (John Banta)...15125, new fqy, repl 21.68 to Europe-Asia, 0645-0915; 11765 S/on 0700, since 3/7. (August Balbi, ...Low pwr Sydney, 6090, 0745 w stock mkt quotes. (Rich Heggs, Canada)...VLQ9;/ Calif.) Brisbane, 9660, noted 0720 with radio play. (Rich Heggs)

BOTSWANA 4845 Gaberones 3/16, 0433 weak, lost by 0445, in English. (John Tuchscherer,

BRAZIL 11854 (FLASH) New R. America, Sao Paulo, heard easily from 2326 tun- / Wisc. ing, Port. (Ger Dexter, Wisc.)...11854 Vy nice ID by M, 2344 for, "R. America do Sao Paulo", is new. (Del Hirst, Texas)...R. America has been heard since 3/14, checks at 2330, no pain no strain lvl, native Port. (Al Niblack, Ind.)...On 11854 with fine ID for, "Radio America, Sao Paulo" at 2231. Is listed as 10kW, possibly new. (Al Sizer) ...R. Poco do Caldas, 9645, Port. commentary at 1015, fair. (Al Sizer)...Emisora Piritinga, Sao Paulo, 11745, logged at 1012 with talk in native. (Al Sizer)...15145 R. Jornal do Comercio, Recife, 2159 w ID, promos, ads, 34444. (Glen Hauser, Texas)

BURMA BBS vy strong lvl, talk in English, 1514-1530, 5040. (Steve Kamp, Calif.)

BURUNDI (TENT) 6140 Though no ID heard 0431-0455, then QRM de BBC African Svc. (John

CHILE CE975, Soc. Nac. Minera, 9750, 0025, rapid-fire news duo, Sp; / Tuchscherer) R. Liberty underneath, jamming. (Glen Hauser)

DOMINICAN REP L.V. de Papagayo, 5030, a toughie because of R. Continente, heard with full ID at 2227, before the Venezuela outlet shows. (Al Sizer)

EL SALVADOR 9553.5 YSS, R. Nacional amnct, mx, 1831, hetting XETT. (Glen Hauser)... 9577 Presumed LV del Comercio, YSV, weak w mx and Spanish 1843. (Glen Hauser)

ECUADOR 9530 HCJB, Spanish, 0015, dominating VOA-Monrovia in Portuguese. (Glen Hauser) ...HCJB back on 21460, 1800-2200 to Europe; DX Party Line 1930 on Tuesday in parallel with 17755, 3/7. (August Balbi)

ETHIOPIA ETLF 11795, replaces 11850, French to Madagascar 0300; and, 9725 replaces 9730 at 0330 English ID, prgming Swahili to E. Africa, 3/7. (August Balbi)...RVOG on new 11800 with French to Congo, mixes it up with Tenerife until 0500, then in clear. Well heard at this QTH. (Bob Padula, Australia)

FINLAND 15185 OIX4 with English news 2300; replaces 9585 at 0200, 3/7. (August Balbi) ...R. Finland observed bodacious lvl, 3/6, 1800, on usual 15185. (Rich Heggs)

GUATEMALA 9506 TGNA heard at 1239 in all Spanish, interviews, followed with "Anchors Away". Good reception. (John Banta)...Noted on 9505 from 0300-0355 T/o in an all English prgm, mostly songs. (Grady Ferguson)

HONDURAS HRPL, Radio Progreso, 4920, from 1000 w Mexican-type music, Spanish cms. FB sigs, one of the best on the band. (Ernie Behr, Canada)

INDIA AIR found on new 21660 with French news for Asia 1115-1130, not heard on usual 21580, on 3/7/ (Bob Padula)

INTERNATIONAL WATERS 6204 R. Nordsee International has returned. Noted 2/2 at 2020 with rock music. At a later date in English and Dutch. Asking for reports to Box 113, 8047-Zurich, Switzerland/send 2 IRC's for their QSL. (John Cobb, Jon Wederbrand via SW Editor Hank Bennett, NNRC.)

JAPAN NHK, General Svc, 9505, S/on 1100 in English by M, followed with news of Japan, good lvl. (John Banta)...FEN, 6155, noted at 0800 with cms, ID, news in English; also on 11750, 0715, rock music, etc. (Rich Heggs)

KOREA(N) 15150 R. Pyongyang has Spanish 2300; English news at 0215. (August Balbi)

Please Turn Over For More DX Tips

KOREA(S) 9640 VOFK, strong lvl Sundays 0915 with Mailbag Prgm. (August Balbi)  
KUWAIT R. Kuwait, 15345, observed in English at 1614 with US pops, at quite readable lvl. (John Banta)...KBS has moved from 11735 to 15345, English News 1830(August Balbi)  
LEBANON R. Lebanon down 5 kcs to 11775, N.A. xmissions, English at 0230.(Rich Heggs)  
LESOTHO R. Lesotho with a MW outlet 899 kcs, has suddenly appeared on 4805A. Heard at 1810 in Sesotho. The power could be 10kW. (SwDXers)

MALAGASY REP 3370 Radio Universidade noted recently S/off 2000 on Sats, different sked to what WRTVH says. French, much drama and classical music. (Bob Padula)

MEXICO 6045 XEXQOC noted here with opera at 0425 parallel to first heard drifting MW outlet XEXQ on 1459...9545. Several middle Americans are audible here at midday. Among them XEFT Veracruz, 1844, local ad, ID(MW outlet), 34343. (Glenn Hauser)...9555 XEFT Mexico, 1830, ads and minute by minute TCs, "la hora del observatorio"...11820 XEBR, Hermosillo, apparently enjoys rare periods of activity; seldom reported at midday, but heard at 1800 3/12, with Mex mx and anncts, 1815 ad, 1819 MW outlet ID. (All the foregoing via Glen Hauser).

NEW CALEDONIA R. Noumea found on new fqy of 11710, at 0645 with short cms in French, music interval, then followed with French songs parallel to 7170. They are also on 9510, nice strong sigs on 3/18. (Rich Heggs)...Noumea on new 11953 in French, also 9510, 7170. This on 3/12. (August Balbi)...Noumea noted few days only medio March on new 11910 - running parallel to 9510, 7170, 3355, and MW 670, in 0600-1100 time slot; also noted 1900-2100, 2330-0200. Strong lvl generally, possibly 11910 temporary. Bob

NORWAY (FLASH) While listening to Radio Norway they stated they would have a Padula prgm called "DX Radio Norway", which will be broadcast in English every first Sunday/Monday 11 times around the clock. (Jerome Breitenbach, Calif.)(Glenn Hauser)

NEW ZEALAND 9540 RNZ terrific signal at 0630 with BBC News. (Rich Heggs)

NICARAGUA 9581 (TENT) Weak signal 1840 with music, presumed R. Mar. (Glen Hauser)

NIGERIA 7275 Lagos noted 0700-0710 ID, in English, nice. (Jon Williams, Ind.)...9570 Kaduna with English news 0645-0655, amidst some QRM. (August Balbi)...Lagos, 15185, carries English news 0600, pulls the switch 0735, new fqy, 3/8. (August Balbi)

PAKISTAN I would like to confirm Radio Pakistan on 17910 with news at dictation speed 1335-1350, with good listening results. (Grady Ferguson)

NEW GUINEA Port Moresby, 9520, at 0600 TC, light music, in native and English(Rich

PHILIPPINES FEBC, 15440, logged with commentary, religious songs, all English; / Heggs) good lvl 1258 to 1400. (John Banta)

USSR Radio Moscow Chinese Svc opened up on this spct early March - S/on appears to be 0600, mixing badly with FEBC, Manila, same fqy of 21515. Continues to past 1100, all in Chinese. (Bob Padula)

POLAND (TENT) A station heard daily on 6085 seems to be Polish HS from Warsaw II. Opens 0357 with unusual IS(not the regular Warsaw IS), 0400 time signal and Polish news, 0405 music. Seems parallel 6095 but this latter fqy under QRM. I reported this one tentatively in April LR as RFE, but now believe its Warsaw. (Emmie Behr)

RWANDA DW Relay, Kigali, 15165, 1800-2010 German, replaces 15380, 3/9. (August Balbi)

SEYCHELLES Victoria heard on 15265, 3/2, in English from 1400 to closing 1529, easy listening lvl. Anned that 11920 was deleted and that 15185 would be used at 0830 local time. Airing "Back to the Bible" at 1500. (Grady Ferguson)

SINGAPORE BFBS good with light music, British DJ, 1446 past 1500. (Steve Kamp) (5210)

VENEZUELA R. Mara, 3275, good in Spanish with English pops to 0400. (Dave Volle, Ill.)

ZAMBIA Noted on 3295 parallel to 4911, Vernacular Svc around 2015. Nothing of newly reported Accra, but this band fades out by 2100, so cannot check 2200 period(Bob Padula)

HOLLAND In re tentative reporting of RN's Malagasy Rep Relay testing on 17810, 1230, this is not the Relay Base.(Please see previous FS). Don Jensen, Wisc., advises via Lobbell, Malagasy Relay will test as scheduled, that is, this coming October 1971!

ACKNOWLEDGEMENT: Thanks to all for the robust support this month. Please keep the reports coming. Phone to 882-3976 after 2200. New NASWA member Jon Williams of Indianapolis paid us a visit at this QTH and brought along his new Drake SPR-4 Receiver. We spent several hours tuning it: conclusion, its a good receiver. We look forward to more pleasant visits from Jon...Questions in re receivers, accessories, so on, may be sent to your FS Editor. Please inclose a SASE. Keep in touch and,