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NORTH AMERICAN SHORTWAVE ASSOCIATION

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MAY 1968

VOL. 7-NO. 5

NASWA HEADQUARTERS

P.O. BOX 989

ALTOONA, PA. 16603 USA

COMES THAT TIME OF THE YEAR

By the end of this month and mid-next, many of our younger members will have entered into "the outside world", will have graduated from high school. Others, young and old, will take to the outdoors and will perhaps, for a time, not have the enthusiasm for DX and hobby as they do in other season of year. Of course we have come to expect this, it be only a natural happening we have come to accept. Reports to the section editors will not be as plentiful, bulletins will perhaps not be so many paged. We must understand.

It does the young good to "enter into the outside world" and it does the older good to escape it once in awhile; Each need do these in order to benefit, in ways, the other. The young of today become the oldtimers of tomorrow!

To those who will be graduating, the NASWA offers and staff extend sincerest hearty congratulations. And to those who plan going on to college, we wish you every success and a job well done. We older look upon you as the "men of tomorrow", not only in hobby, but also in world. The opportunity is yours. Do not shun it! And to those who will be "escaping", perhaps to the mountains, or to the sea, or to a utopia of their own, we wish every happiness and peace, knowing that whence you return, you will have added to heart and will have counted your blessings.

Yes gentlemen, the next few months offer a sojourn from the hobby that many will take, but you should keep amind that even so, your officers and editors will nonetheless effort to continue to serve the all as friend and member. So keep them in mind in your happy time as well as in your hobby time. And as you travel, perchancing to make/meet new friends, let these words of heart flow....

"As we journey through life, We find but a few Who love us sincerely Whatever we do,	Who will stand by our side And dare to be true, Forsaking us never Life's whole journey thru.	But this kind of friendship I'd willingly give To you and to others As long as I live."
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Bill Eddings

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We humbly dedicate this edition to the memory of our now departed friend/member William G. Graham. May he rest in peace everlasting.

Frendx is the official publication of the North American Shortwave Assn. and is expressly for the SWL/DXer interested in International Shortwave Broadcasts. There are no subscriptions; Only members in good standing are entitled to receive copies other than samples or exchanges. Membership in NASWA is \$5.00 per year, 12 editions of Frendx via 3rd class mail NA or surface/seamail abroad. For those desiring more expedient delivery, via 1st class mail NA, an additional \$2.00 fee is required. Airmail rates are also available. This and all editions are made possible through the combined interests, efforts and cooperation of the club officers, bulletin staff and supporting members. NASWA is a nonprofit hobby organization now in its seventh year of continued operation and is in affiliation with the Association of North American Radio Clubs.

Executive Editor-William Eddings, Shortwave Center Editor-Donald Jensen, Log Report Editor-Del Hirst, QSL Report Editor-Gregg Calkin, NewsRoom Editor-Dan Henderson, Flash-Sheet Editor-Al Niblack, Awards Chairman-Warren Nordgren, Contests Editor-Geo.Schnabel. This months special contributors: Bruce Churchill, Gary Galo, Frank Richardson, Richard Jememan, Al Niblack, Bruce T. Goldman, Richard E. Wood, John Mraz Jr., Cesar Objio, Michael Silverstein, Rod Williams.

NOTE: In order that this edition be mailed as close to sked as possible, the HDQ section is being condensed and certain of its regular columns omitted. It is hoped we can again return to normal next month with "Open Mike", "Loudenboomer Report", as usual. And in addition, Shortwave Center will feature such as "The World of Eleven Meters", Radio Kabul, Clandestine-Radio Peyk Y Iran and its demise, and The "Ultimate" Dream Shack.

NOW HEAR THIS!!! For the first time in the history of NASWA, a membership has been canceled and refund sent. A certain young man, due his uncalled for demands, threats, to other members, editors and Hdqs, and because of reports to Log and QSL sections he submitted being questionable, plus his failure to give to understanding that we are a hobby organization rather than a business operation, has been ousted from the club. Even so, we do not, at this time, wish to list his name; To do so would blackball him in the eyes of the entire DX club realm. Perhaps his losing his NASWA membership will teach him a lesson, wise him up, and he will come to know that integrity is not only a must, but also a blessing...and that understanding of his fellowmen, fellow-members is a necessity even in the ranks of a humble hobby club. It is regretful that this action come about, yet it be entirely just and in best interest of the club/hobby. We cannot condone demands, threats, personal insults...and especially reports that are found to be intentionally wrongly submitted, letters that contain vulgar/profane words. Really, the club is not losing a member, it is simply ridding itself of an unwanted.

1968 ANARC CONVENTION...will be held at the Commodore Motor-Inn, 24th and Dodge Sts., Omaha, Nebraska. Date August 16-18. All DXers welcome! Rates: Single \$9.50, Double \$13.50 Registration fee is \$11.00 and includes a banquet Saturday night and luncheon on Sunday. (Suit and tie requested for Sat.night.) Registration begins noon Friday w/ special meetings, talks, discussions and tours sked for weekend. Guest speaker Saturday night and door prizes, both of which were big hit last year in Chicago. For preferred registration card, write: E.J.Wesolowski, 1416 Pasadena Avenue, Omaha, Nebraska 68107. Please enclose self-addressed, stamped envelope.

Connections to Omaha are very good by plane, train and bus...or you might contact DXers in your area and arrange for traveling together by car. In any event, no matter how you get there, you find the experience interesting, and you'll meet many other fellow DXers. Last year, in Chicago, NASWA had the largest representation of any club attending. Let's make it a repeat this year.

SPRING COMPETITION-CONTEST. Remember deadline is May 15...all entries must be received no later. Don't forget to follow all rules and include entry fee (25¢). Send to George Schnabel, 151 Chesterton Road, Rochester, New York 14626. You could win an xister radio!

RE AWARDS PROGRAM

Warren Nordgren has been appointed as our new Awards Chairman. As soon as all is readied and certificates are printed (we have met certain problems hereto because of the sudden death of friend/member Bill Graham, former Awards Chairman) complete info/data will be sent all members. In the meantime, any/all previous info/data relative to awards is canceled. It is hoped all matters will be cleared so that the program can be announced/released next month.

NEW ANARC REP

Bruno Colapietro, 708 Harpur Dr., Endicott, New York 13760 has been appointed as new NASWA/ANARC Rep replacing Art Glover who resigned. Our sincere thanks to Art for his past efforts/work in behalf of NASWA and our gratitude to Bruno for taking on the job in time of need. Another Rep will soon be named to replace Frank Peters who also has submitted resignation.

BULLETINS LATE

Although Hdqs does as best it can re the scheduled mailing dates for monthly copies of bulletins, there oft times occasion to be delays over which we have no control. It is pointed out that the sked listed in past bulletin was specified as being tentative, merely to give members some idea as to when they could expect bulletins to arrive. If and when bulletins are late, members are assured there is good reason. Certain mail received at Hdqs this past month shows that some members do not/cannot understand nor appreciate factors hereto.

WRTH ORDERS RETURNED

Due it being we cannot get discount for less than order of 25 copies of WRTH, we are returning to 4 members, money they sent for WRTH. Please do not submit any further orders, but instead, order direct from the publisher (necessitating full price.) NASWA sold total of 152 copies at discount.

EXCHANGES CANCELED

The IRCA, one of two all-BCB clubs in the U.S., has canceled bulletin exchanges with ASWLC, NASWA, FNRC and NZDXT in order to trim expenses, and also because the value of exchanges is questionable.

"Life begins at 40, but you'll miss a lot of fun if you wait that long."

NEW MEMBERS

Larry Maroney, Springfield, Mo.	Age 20
Chris Lobdell, Reading, Mass.	15
Doug Anderson, Tampa, Fla.	16
Phil Redant, La Grande, Ore.	24
Dutee Yaghjian, Swansca, Mass.	15
Joel Kollin, Cincinnati, Ohio	28
Charles Wills III, Stratford, Conn.	24
Michel Berard, Kansas City, Kan.	46
Josef Saman, Czechoslovakia	20
Tom Murphy, Houston, Texas	37
Bill Murray Jr., Eugene, Ore.	21
Paul Manning Jr., Medford, Mass.	15
Tom Martin, Westwood, N.J.	46
James Belt Jr., Parkville, Mo.	38
Ed Farrell, APO New York	18
James Miller, Long Island, N.Y.	40

RENEWALS

Frank Richardson, Allen Dixon, Bill Flynn, Don Dinkmeyer Jr., Joe DiLeo, Walt Fair Jr., Bryan Roach, Ray Standish, R.M. Stockman, Hank Michalenka (2nd year). Gary Fredricks (4th year). Odis Woodward Jr. (6th year).

CONTRIBUTIONS

The following members are all given thanks for contributing to our Mineo and Addressing machine Fund: John Banta, Don Havel, Bill Matthews, Gary Fredricks, Steve Krnac and Harry Smith. We continue to solicit contributions of any amount, in money, mint stamp and/or IRC form. Thank you!

ATTENTION PLEASE!

In regards to reporting to the Log Report and/or QSL Report sections; A few members have written Hdqs saying not all reports have been used. Please understand that it is hardly possible for all reports to be contained each month. In case of Log Report you are asked to send in only your best catches for the month. It is suggested you limit reports to your 10 best. As for QSL Report, send in only that data which concerns QSLs received over the past 30 days. Some members are sending in their complete list of loggings...50 or more, and some sedn in QSL data that is 2 or 3 month old. One member even admits to reporting to Log section, station(s) heard last winter. It should be kept in mind that the reports are only of value if they are current and of possible help to other members. Old and outdated data is worthless. And remember the deadlines, get reports to editors as far in advance as you can. Late reports, in most part, are of no value.

The ANARC Report

The Association of North American Radio Clubs; non-profit organ w/ representatives from each of the major radio clubs in the hemisphere is dedicated to the furtherance of hobby enjoyment for all clubs. This report is edited and written by your representatives to ANARC. (See Frontspage of this bulletin for names and addresses.) Your mail and comments are always welcomed by your appointed representatives.

First this month, the announcement by Executive Secretary Dexter that he at this time considers the hot-line, dogfight-punctuated members' taxation proposal a dead issue, and he's dropping it for the nonce. He makes reference to a later date, a time in which the association might hopefully have achieved a more mature and unified outlook. At any rate, noted Gerry, no matter how tallied, the results were still the same..a "no" vote. And..true enough as we mentioned..some of the supporting clubs were anti the idea that they were forced to contribute taxation per-member monies when the actual vote was neither for nor against.

Hand in hand with the Executive Secretary's forced decision to drop the matter, lest some blood be spilled on the carpet of the Association, your NASWA Rep. Doug Benson has submitted a proposal to amend the Constitution of the Association to regulate the ages of representatives. We propose a minimum age of 21 years, and accompanying proof of same. This is an amendment proposal, so a 2/3rds majority vote will be needed to pass it. Let's hope that the representatives agree with Dexter that a more "mature" outlook is needed if any future good is to be fostered, and remove the teenagers from positions of such mass importance as speaking for an entire club of 300 adult members! (It seems about as foolish for a 16-year-old to speak for adults and adult minds as it does for that same teenager to vote for you at election time..) By that, we meant of course in lieu of you, hi. Not that there aren't young hobbyists quite adult in their outlook..just that the association, in taking the chance of their holding status of equality with a representative of, say, 50 years experience, is bound to result in a clash of minds and opinions.

We broke the news last month of the withdrawal of the Book Committee from ANARC auspices and the dissolution of same. The executive secretary this month states that he will try to iron out the difficulties and get the Book Committee reinstated and working again. Frankly, we wish him the best of luck in the endeavor for the sake of the hobby, but we're a bit peeved that he saw fit to refer to our breaking the news first (noone else knew about it) as "jumping the gun". Hush-hush secrecy and "sweep 'em under the rug" is not our purpose in this report. You get both sides of the picture in these pages, the good accomplishments..and the bad tasting developments. We reprinted the letter from the (now ex) committee chairman verbatim, as he sent it to us, to others, and wished it released. We refuse to sweep anything under the rug. We feel that, in maintaining this policy of complete coverage, both from the viewpoint of interested hobbyists and honest critiques of association efforts in one, the interests of all are best served. Every move your Congressmen and Senators make is a matter of public record, and if we reps are considered "minor Senators"; speaking for you the member, then we must in all good conscience report all sides and every side. The Exec Secretary, in commenting further, notes that he was unaware of the Committee's desire to arrange contractual agreements with ANARC (see ANARC Report for the withdrawal Letter from the ex-chairman, April 1968 Frendx) and that the Book Committee kept him in the dark, so to speak. Perhaps tis not too late, perhaps he can indeed reach a mediation and get the Committee back in operation. We don't know yet..the only concrete happening is that Mr. Glover withdrew the Committee from ANARC auspices for the reasons stated here last month. Further actualities and factual news on this matter will be stated here as it happens. A mess? You bet it is! And all under the heading of "growing up pains". DB.



SHORTWAVE BROADCAST -CENTER-



DONALD JENSEN-EDITOR

5204 70th STREET

KENOSHA, WISCONSIN 53140

IN MEMORIAM

It was with shock and sorrow that we learned of the death last month of Bill Graham of Binghamton, New York. Bill was a good personal friend and a top notch DXer. As reflected in the FRENDX SCOREBOARD, he was one of the most expert shortwave listeners in the eastern part of our nation. But he was more. Bill was a faithful member of NASWA and a staunch supporter of the club. His name regularly appeared in the logging sections of Frendx. Recently, he devised the club's new awards program and, had he lived, would have administered it.

Bill Graham was a credit to himself, to NASWA and to the DX hobby. We will miss him.

This month's Shortwave Broadcast Center is dedicated to his memory!

...Don Jensen

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ANOTHER REMINDER

Plan now to attend the third annual ANARC convention in Omaha this summer, Aug 16-18. Host Ernie Wesolowski is planning a bang up affair at the Commodore Motor Inn, with some interesting side trips, plenty of good discussion and all the rest that goes with an ANARC convention. Several of us will be making our third ANARC convention this year, others will make their second. We hope that some of you who attended the 1966 "do" in Kansas City will be with us in Omaha. Naturally, we're sure that those of you who have never been to an ANARC convention, or for that matter, any radio convention, will make it to Omaha in August. It should be a real ball!!

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TO CLEAR THE RECORD

Due to some confusing comments which appeared in the ANARC Report and in The Open Mike column last month, some have received the mistaken impression that the withdrawal of the Reference Book Committee from the auspices of ANARC resulted from the failure of the association to live up to commitments. This is totally incorrect, and I'm sure the authors of the comments which appeared last month did not intend to leave this impression. The fact is that at no time were the various ANARC representatives ever asked to finance the cost of such a project. This being the case, the representatives never considered any commitment to finance the book project, which reportedly would cost "thousands." Certainly, ANARC could never find such sums, even had the representatives decided to underwrite the costs of production. The ins and outs of the matter are too lengthy and complicated to discuss here, but to clear the record, should this project fall by the wayside, no blame for failing to live up to any commitments, since there were no such commitments, should be laid at the feet of the ANARC reps.

At the same time, we would commend the Reference Book Committee for its work so far and would hope that it will continue its efforts on the same basis as was originally proposed!

...Don Jensen

N A S W A ' S D R E A M S H A C K

For the past several months we've been presenting your various suggestions for equipping NASWA's imaginary Dream Shack. Quite simply, the idea is to plan a complete listening post as though its cost was no object.

Here are some more of your suggestions:

RICHARD JENNEMAN (an equipment dealer) - "Hewlett Packard has a digital read-out frequency meter unit at about \$1,800. How many can I put you down for? hi."

BRUCE CHURCHILL - "The ideal monitoring station should probably consist of four to five receivers, in order to cover a variety of applications, such as diversity reception (the use of multiple receivers and aeriels feeding one audio output to combat fading), simultaneous recording and listening of multiple stations, contest work and so on. One receiver to be considered is the Collins 51S-1. The 51S-1 is a triple conversion, 17 tube general coverage receiver, capable of covering the spectrum from 200 kc/s. to 30 mc/s. The frequency readout is a combination digital/linear readout with visual tuning accuracy of 1 kc/s. Each 1 mc/s. band has 7.8 feet of bandwidth. It also features a mechanical filter. The price is in the \$1,800 to \$2,000 range.

GARY A. GALO - "This is the equipment I'd choose for my DX shack if I had no financial limitations: Heathkit SB310, 10 band receiver; Drake SW-4A; Hammarlund HQ-180A; Heathkit Mohican, five band portable; Warfdale W-60D and Heathkit AS-81W speaker systems. Heathkit test equipment, including, TT-1A tube tester, IM-13 VTVM, IG-102 RF signal generator, IO-21 general purpose 3" oscilloscope. Roberts 7000X, 3-speed tape recorder, stereo. The total cost would be \$2,052.75."

FRANK RICHARDSON - "The first thing you need is a "shack." My idea is the shack should be a trailer that would sit away from the house. This solves all the problems with the OL on cleaning, cigar smoke, and what have you. It is a place that you could line with shelves, maps, file cabinets, etc., with no complaints at all. And when moving time (would you dare say vacation time) comes, you can just hitch up and pull it along. A trailer has a lot of advantages - there would be a bed right there so you could keep pretty close to the receiver at all hours, the refrigerator would be near, and you could keep the door closed and molesters out. I would suggest a 22 foot Concord at \$3,295. This should just about handle everything and still be easy to move. No matter where the shack is located, you ought to have an emergency power supply. Just in case a heavy snow knocks down the power lines, you're set. Allied shows some in their catalog - the 5000 watt unit should cut the mustard; 43+ amps at 115 v., and only \$419.95, plus express."

So there are some ideas for the Dream Shack!

This just about wraps up the preliminaries. Next month we will present the ULTIMATE; the NASWA Dream Shack, as designed by member H.L. Chadbourne. We're certain that you'll find "Chad's" description of the MOST in DXing dens, interesting, amusing, thought-provoking, and in short, absolutely fascinating!!!

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LIGHTNING PROTECTION

In areas where thunderstorms occur regularly, suitable lightning protection should be provided for the receiver. Most DXers use a lightning arrestor, which is non-conducting but should a sudden electrical surge occur in the aerial, the arrestor allows it a direct path to the ground for the dangerous voltage, thus protecting the receiver from damage.

...Adapted from Radio Nederland

EQUIPMENT

SURVEY: ✓

THE BC-221 HETERODYNE

FREQUENCY METER

Continuing the concept that the beginning listener is entitled to consideration as well as the veteran DXer, in this article we review the BC221, explaining some of its physical characteristics, its overall appearance, its general operation and the results obtainable.

Frequency determination can be approached from several different methods. One that currently is becoming more generally common is the direct reading dial receiver. A few years ago the cost, for the average listener, of a receiver with direct frequency reading was usually out of the question. The R.L. Drake Co. has, with the SW-4 and SW-4A models, brought the price down to the \$300 class.

Another method is the use of a 100 kc/s. crystal calibrator/10 kc/s. multivibrator combination, to produce "markers" every 100 and 10 kc/s. on the dials of a receiver. Many receivers today have 100 kc/s. crystal calibrators built in. The use of a 10 kc/s. calibrator (multivibrator) in conjunction with the 100 kc/s. crystal calibrator is not too generally employed by those in the hobby, though the technique is known and used in the laboratory.

Latest developments make available the solid state computer with a digital readout counter to measure frequency. In general, the price of such a unit is from about \$2,000 up.

That brings us to the BC-221 frequency meter (modification identities are models A through AH and AN through AN). To the writer's knowledge, each instrument is at least 20 years old and it must be assumed that the BC-221 has stood the acid test of time. BC-221's can be located in the surplus ads that run in the ham publications. They may also be located in the "Ham Ads" section that appear in the classified sections of the same publications.

Originally, when the BC-221 was manufactured, it was built without a power supply and depended on batteries for power. When battery powered, the arrangement was never exactly satisfactory. In checking the ads and prices for this instrument, caveat emptor! The price of the unit is seldom quoted with a power supply. To determine if the equipment has a power supply, it is necessary to write the advertiser. Nearly without exception, the reply will be negative.

Other points to ascertain are (1) Is the unit equipped with a crystal? (2) Does it have the original calibration charts? (3) Does it carry certification as to accuracy? (Certification costs around another \$20), and (4) Does it have the schematic? Having determined these matters, it is possible to consider the purchase of a BC-221.

Like any used equipment, BC-221's can be had in various conditions from poor to excellent. Prices will vary from about \$55 (without power supply) to around \$165 for an excellent one with power supply, certification, crystal and calibration charts. Good ones may be had complete for from \$95 to \$110 if you shop around, and know what to look for. Occasionally you may find a real bargain. One DXer picked up a dandy for about \$45 not long ago in a private sale.

The BC-221 is a heterodyne type frequency meter that covers two specific ranges, 125-250 kc/s. and 2,000-4,000 kc/s. By means of the harmonics generated, frequencies may be measured up through 20 mc/s., with the provided calibration charts (and well beyond with a little calculation). If correctly and carefully operated, the BC-221 will provide accuracy in the vicinity of .0025%. Before proceeding farther, it should be mentioned that the BC-221 may also be used to tune up a transmitter (putting it on desired frequency) as well as for measuring the frequency of an incoming signal as monitored by a receiver. If the instrument is an excellent unit, has been carefully checked through and carries a certification with it, it is possible to use it to generate or initiate a frequency for purposes such as modern sideband techniques, where accuracy and tolerance are both extremely high.

(Continued next page)

BC-221 FREQUENCY METER (Continued)

OPERATION - Though there is a bit of mystery surrounding the actual operation of the BC-221, it is really rather straight forward and uncomplicated. The results are not hard to obtain. After a 30 minute warm up (though actually it is rather stable from a cold start), the unit is checked by zero beating the signal it generates against the inbuilt 1,000 kc/s. crystal, which has been adjusted to zero beat with WWV for accuracy. If there is a deviation, there is a "corrector" control that permits the BC-221 to be put "on frequency". It is not necessary to directly couple the output of the frequency meter to the receiver as the signal generated is strong. All that is required is to attach a short, 12 inches is sufficient, antenna to the BC-221 and place it near the receiver. (Or loosely wrap an insulated wire from the BC-221's antenna post to the receiver antenna - with the insulated wire, there is no direct connection to the receiver antenna). It will produce strong "markers" in the receiver.

To obtain the frequency of an unknown station being monitored by the receiver, flip in the BFO of the receiver (unnecessary in modulated BC-221 models), precisely set the dials of the frequency meter so that the signal generated by the unit zero beats with the receiver's incoming signals. This should be done with care. Then note the reading of the dials of the BC-221. To obtain a reading, a main dial must be read in units, an accessory dial in "hundreds" and a vernier dial in tenths of a unit. The combination of the three is compared with the calibration charts and the reading thus provided is the frequency of the station tuned. It is sometimes necessary to sub-divide or interpolate the calibration chart figures to arrive at the desired frequency, but after a bit of practice, this is no problem.

The method of approximately zero beating a frequency is rather standard. With the BFO of the receiver in the circuit as the frequency of the BC-221 approaches the frequency of the desired signal, the pitch of the beat note drops, disappears, and then begins to reappear as the generated frequency moves away on the other side of the desired frequency.

Somewhere between the appearance and disappearance of the tone is the desired frequency. This will be approximately half way through the tuning operation and the question is to tell where the frequencies are equal. This variation is probably 50 cycles of dead space, however for normal hobby purposes this is sufficiently accurate.

Using the S-meter as a tuning indicator is perhaps more helpful.

Physically, the frequency meter is rather large, about $10\frac{1}{2}$ " x $13\frac{1}{2}$ " x $9\frac{1}{2}$ ", by present day miniaturization standards. It is solidly built and was constructed, clearly, for use by the U.S. Army signal corps in the field. It will take a beating without losing its accuracy.

Some suppliers of the BC-221 will provide a power supply in kit or wired form, that will give correct voltages and current to operate off 115-117 volts AC, at a moderate additional cost. Or you may build your own from scratch.

The frequency meter, like any piece of equipment, even though it carries a certification of accuracy, should be carefully checked before being used for the first time. Using WWV and a 100 kc/s. calibrator, carefully adjusted for 100kc/s. multiples, it is easy to determine if the unit is operating correctly. The dials are easy to set after a little practice and readout is no problem.

There is another model available, the LM-14, which is the Navy's version of the frequency meter. It is roughly comparable to the BC-221. Indications are that it does not quite have the accuracy tolerance of the BC-221, but it should be acceptable for use in the DXing hobby if in good shape and correctly operated. Physically, the LM-14 is smaller than its Army counterpart and the power supply is separate, both being interconnected by a power cable.

If you consider purchasing an LM-14, be sure the seller supplies a wiring diagram for connection of the unit and power supply. The LM-14 is usually available for less money than the BC-221.

Whatever method you choose, and you'll find the BC-221 a good one, frequency determination is of prime importance and gives one a sense of confidence in DXing.

Radio Ethiopia made its most dramatic leap forward in its 25-year history in 1966, when three new high power medium wave broadcast transmitters came into use. Their combined power increased Ethiopia's medium wave capability 250-fold. These transmitters completed the initial steps of a modernization program that began earlier in the '60's with the installation of a 100 kw. shortwave station.

In 1965, the name of Radio Ethippia, from its Ababa.

the service was changed to original name, Radio Addis

Broadcasting in obscure beginnings a Ethiopia's first radio- just been installed when 1935 began. Emperor Haile

BROADCASTING
IN ETHIOPIA
YESTERDAY AND TODAY

Ethiopia has grown from quarter of a century ago. telephonic system had only the Fascist invasion of Selassie used this facility

to broadcast several appeals for world support against the unprovoked aggression. Shortly thereafter the radiotelephone station itself was destroyed, before the arrival of the Italian troops. So regular broadcasting cannot be said to have begun in Ethiopia until 1941. Then the only transmitters available were non-broadcast, communications types, with a total power of less than 10 kw. But a staff of seven, prepared about four hours of programming per day from a single improvised studio. The original schedule included programming in Arabic, English and Amharic.

By 1942, a Press and Information Department had been formed in the Ministry of Pen, which took over program responsibility. Ten years later this Department was transferred to the Ministry of Finance. The present Ministry of Information began receiving an annual allotment from the national budget in 1959, although it was not officially gazetted until 1964.

Two new 10 kw. broadcast-type shortwave transmitters came into use in 1960, and a 1 kw. MW facility was added the following year. Two additional studios were built in the Ministry main building in 1962, bringing the total to four. In 1964, Radio Ethiopia first achieved high power when installation of a 100 kw. shortwave transmitter was completed at Gedja Dehra, a new transmitter site chosen especially for broadcasting.

Gedja Dehra is located about 40 km. south of Addis Ababa. A pilot program, the international service was started at that time in English, French, Swahili and Arabic. This schedule was suspended after a year's trial, pending regrouping of resources to strengthen the service.

Being built now is a new Broadcasting House, a studio and office complex, costing Eth. \$1.6 million. It will enable more effective integration of the two broadcasting services, radio and the more recently added television. Radio will have teh studios and associated equipment. Situated on King George VI St., between the new German School and Haile Selassie I University, Broadcasting House will benefit from being in an area which is becoming a center for educational and cultural activities in Addis Ababa.

All radio facilities in Ethiopia are now in the hands of the Imperial Board of Telecommunications (IBTH), an autonomous chartered body. The IBTE has assigned over 70 personnel to broadcasting.

Radio Ethiopia also operates a Radio Training School to train production personnel. The school is operated in close coordination with the on-the-air facilities, ensuring that the instruction is realistically related to actual needs of the station, adapted to local conditions.

Under a technical assistance agreement, Germany supplied the school with two broadcasting studios and control rooms, a mobile studio, and the services of two broadcasting experts as instructors.

Help has come from other countries as well. In terms of transmission facilities, a grant from the U.S. Agency for International Development enabled purchase and erection of the three new high-power medium wave transmitters.

The British Council supplied a TV officer, the Peace Corps two production assistants and the British government a gift of 50 receivers for installation in schools.

Radio Ethiopia began selling commercial announcements in 1960.

NASWA FRIENDX

SHORTWAVE CENTER

MAY '68

SPOTLIGHT

ON RADIO

CLUBE DE

MOZAMBIQUE

Radio Clube de Mozambique, the largest privately owned station in the Portuguese East African province was founded in 1931 and started broadcasting in March 1933 with a very modest transmitter. The association which had been formed to run the station had to face a number of problems and with increasing costs and no new capital available, it became necessary to close down for a while in 1934. The following year, however, the association made a tremendous effort and decided to acquire a new 250 watt Collins transmitter.

This stage really marked the beginning of modern broadcasting in Mozambique. English programs were soon added to the original Portuguese and over the years further transmitters were added. It was in 1937 that the name of the station was changed to its present designation.

The Radio Palace, a fine four story building in the very center of Lorenzo Marques was built in 1948, followed shortly afterwards by the transmitting center at Matola, just a few miles upstream from the capital. Four years later a series of regional transmitting stations were set up and in 1956, the first 100 kilowatt transmitter was installed.

The Radio Palace stands right next to the Cathedral, just off the square commanded by the city hall. The building itself is typical of Portuguese decorative taste at that time in that the inside is faced with marble of different shades and rich in chrome fittings. Quite apart from the fine technical equipment and the excellent record library, which is reputed to be equal to the best in any modern country, the Radio Palace also has several social functions. There is a special cafeteria on the ground floor where the staff and their friends can obtain meals and refreshments literally around the clock, while on the top floor there is a suite of reception rooms for dances and other functions.

One interesting feature of all the actual production side is that no technicians are used to control program levels, for the studios are designed so that the announcer himself sits at the control board with pick-ups on either side and volume controls and mixer switches. He is aided by the fact that all the tape reproduction machines are centralized in the main control rooms on another floor, from which he can operate them by remote control.

Now days, the English service has been turned over to a large South African public relations firm and therefore broadcasts no news or information programs, but only music and advertisements. The firm, in fact, has adopted the motto, "LM for happy listening." This decision to devote the whole service to commercial broadcasting is understandable because Lorenzo Marques is only about 40 miles from English speaking South Africa, where until not long ago, all commercial stations were banned.

The calls used by the station are "Aqui Portugal Mocambique, fala-vos o Radio Clube em Lourenco Marques" for the Portuguese service, and "This is Lorenzo Marques Radio for happy listening broadcasting from Portugal Mozambique" in the English service.

The station verifies correct reports with QSL cards and publishes a bulletin monthly entitled, "Radio Mocambique."

The Portuguese service (A) is heard from 0530 to 1830 on 4,925 and 11,820 kc/s. The English service (B) broadcasts from 0400 to 2300 over 11,780, 3,335, and 4,833 kc/s. The English service also uses medium wave frequency, 917 kc/s. from 1600 to 0600. The Portuguese (C) service is generally heard in the evenings on 15,295 kc/s.

The Nampula satellite, in Portuguese, is on 1700-2100 on 3,365, 4,955 and 7,195 kc/s. The Quelimane satellite is on 1100-1300 on 3,180, 4,895 and 7,170 kc/s., while the Cabo Delgado relay, also in Portuguese, is on 1700-2000 on 1421 (MW), 5,200 and 7,102 kc/s.

...Radio Portugal DX Club bulletin

* * * * *

BURRO AIDS TOWER BUILDERS - To build a cable railway up to a microwave radio relay tower near Merida, Venezuela, one of the world's oldest carriers was used..a burro. The burros

RADIO

Many DXers, it seems, have a secondary hobby..philately.. or for the uninitiated, stamp collecting.

PHILATELIA

What many apparently don't realize is that both hobbies can be combined. While some stamp collectors collect special theme stamps, eg., presidents, airmails, flags, etc., others specialize in radio topic stamps.

Oh sure, you say, I've got the VOA commemorative that came out last August, but there haven't been any other stamps commemorating communications!

Well, you're wrong. Since late 1960, four commemoratives have been issued in the U.S. alone. They are a 4¢ purple honoring Echo I, the communications satellite (Scott #1173); a 5¢ purplish honoring radio amateurs (Scott#1260); an 11¢ International Telecommunications Union stamp (Scott #1274); and the VOA issue, a 5¢ denomination in red, white, blue, black and grey.

The U.N. published in 1956, two stamps honoring the International Telecommunications Union, in denominations of 3¢ and 8¢.

The Ascension Islands, late in 1966, published a set of 4 stamps in denominations of 1/6d, 1d, 3d and 6d, honoring the BBC's relay station there.

Australia issued a stamp in 1954 in honor of the 100th anniversary of their telegraph system. It depicts a telegraph pole and a telegraph. The cost is 3½d. Recently they issued their ITU commemorative (1865-1965). It is a bright blue stamp that shows a globe over a transmitting tower pointing to Australia. On the globe there is a satellite circling it. The globe is a bright orange. It is a 5d denomination.

Czechoslovakia published in 1965 three stamps honoring communications. The first one, costing 30h. honored the 40th anniversary of radio in Czechoslovakia. The second two, 40h. and 60h., were for the tenth anniversary of television in the country.

Denmark has a 1950 issue stamp issued for the 25th anniversary of Radio Denmark, with a value of 20 ore. At that time it was referred to as statsradiofonien. The stamp shows two antenna towers.

The Dominican Republic issued one in the early 1940's, for the eighth anniversary of their postal and telegraph system, 1934-1941. It features pictures of trains, planes, cars, boats, antenna towers and telegraph poles.

Monaco had a 1 franc stamp, issued in the early 1950's, honoring Radio Monte Carlo. It depicts towers in back of the mountains.

Paraguay recently issued two stamps, in red and gold and purple and green, showing a tower with lightning signals being emitted. They are entitled, Paraguay's Progress.

In 1965, Poland issued a stamp of 2½zts., with red background and showing a radar scope.

Romania issued a 3 lei stamp in blue, showing a television and radar scope.

Switzerland has a 1952 issue, honoring the 100th anniversary of the telegraph. These three stamps are in 5, 10 and 20 franc denominations and show telegraphic objects against a background of outer space.

The Republic of South Africa has a 1965 issue blue stamp, 2½¢, depicting an orange globe with the letters ITU and satellites circling it.

Dating back some years are others, including a Newfoundland stamp from 1928, honoring the first transatlantic radio signal broadcast to the Newfoundland coast by Marconi. It shows a tower.

The hundredth anniversary of electric communications in Turkey was celebrated in a 1955 stamp showing a radio tower, circular radiations and the Turkish crescent and star.

Other communication commemorative stamps have been issued, over the years, by Guatemala, Argentina, Nazi Germany, Italy, Spain, Hungary and Japan.

In fact, if you are interested in delving further into this interesting aspect of stamp collecting, you might check your Scott catalogue, or better yet, if you can find a copy in your library or book store, Herbert Rosen's book, "Radio Philatelia," published in 1956.

...Bruce Ted Goldman, with
additional material

POLISH RADIO

The Polish Radio went on the air for the first time on Feb. 1, 1925, as an experimental station with as little as 500 watts. Five years later, with its 120 kilowatts, the Polish Radio was the strongest station in Europe. By 1939, the nation had nine transmitters and a million radio sets.

Then came the war and Nazi occupation. All the stations were either closed or dismantled by the Germans. Possession of a radio set was punishable by death. When the war ended, everything had to be built up again and the first provisional station was, in fact, installed in a specially adapted railway car given to the country by the Soviet Army.

Presently, Polish Radio broadcasts to the following countries; Finland, Sweden, Denmark, Britain, Germany, France, Spain, Italy, and to Africa and North America. They transmit in ten languages, including Esperanto.

Up until 1950, there was only one modest $7\frac{1}{2}$ kilowatt transmitter, which was presented to Poland as a gift of the Soviet Union and it could scarcely do the job expected of a foreign service.

In 1950, on the site of the future shortwave center near Warsaw, the first 100 kw. transmitter, a Tesla (Czech) product was put into service with a directional antenna for several shortwave bands. Two years later, on the same site, a 15 kw. Soviet shortwave transmitter and a $7\frac{1}{2}$ RCA transmitter were commissioned. In order to satisfy the urgent needs of the foreign service, eight kilowatt radiotelephone transmitters and similar six 5 to 7 kw. transmitters were put into service pending construction of bigger stations. A medium wave transmitting center for the foreign service was also opened in 1953, with a 150 kw. Russian-built transmitter and a directional antenna with two 660 ft. masts.

Three years later, in 1956, at the SW Center near Warsaw, the foreign broadcasting service received another 100 kw. shortwave Tesla transmitter, and in 1957, it received a third one also built by the same firm. At the same time, several of the radiotelephone transmitters were retired. The studios of the foreign service were transferred to a new building within Warsaw

with well over 10 million cubic feet of space. Apart from the studios and offices of the foreign service, this building also houses part of the administrative offices of the home service.

A large broadcasting center is under construction on a 50-acre site not far from the building housing the studios and offices. It will contain modern facilities for both radio and television. With it, in the next few years, Warsaw Radio services will be very much extended.

Recently, Polish Radio began broadcasting weekly half-hour programs in English and Polish. The Polish. The Polish language program is broadcast each Monday from 0315 to 0345 and the English language program is on each Friday from 0315 to 0345.

...John Mraz Jr.

PORTUGUESE AFRICANS

According to Radio Portugal, the following stations are broadcasting from Portuguese territory in Africa. This list, seemingly, is not all inclusive.

Emissora Oficial de Angola (Port.)	4,820
Emissora Oficial de Angola (Eng.)	7,255
	and 9,535
Radio Clube de Angola -	4,868
Radio Clube de Benguela -	5,042
Radio Clube de Cabinda -	5,033
Radio Clube de Huila -	3,970
Radio Clube de Lobito -	4,770
Radio Clube de Malange -	4,934
Radio Clube de Mocamedes -	3,740 , 5,015
Radio Comercial de Angola -	4,795, 7,150
Radio Ecclesia -	4,985
Emissora Regional dos Acores	4,865
Emissora Oficial de Bissau	5,045
Radio Clube de Sao Tome -	4,807
Radio Barlavento -	3,910
Radio Clube de Cabo Verde -	3,883
Radio Clube de Mozambique, and regionals,	
see list elsewhere in this month's Frenx.	

THE NICKEL STATION - Thailand paid five cents for a \$6 million, 1,000 kw. station, The Voice of Free Asia, built by the U.S. The station was turned over to the Thais for a token payment. The two countries will share time on the medium wave station. (Marv

RADIO CLUBE PORTUGUES

The story of the Radio Clube Portugues is, in many ways, the story of one man -- Jorge Botelho Moniz -- who, in collaboration with Alberto Lima Basto, the present chairman of the board, first founded a small transmitter with the call sign CTLDY back in 1928. In those days, its signal extended only to the Lisbon area.

Within two years, however, the young station had gained the support of a sufficient number of radio enthusiasts to be able to increase the power of the transmitter to 20 watts. It began broadcasting under the name of Radio Parede then, after the seaside resort down the coast from Lisbon where the main station was located. The next step in the chain came with the formation of the Radio Clube da Costa do Sol, and the contributions from this additional group enabled the directors to step up the power to 200 watts.

The present name of the station was officially approved in 1931 at a meeting of its 400 members. Ever since it has been known as Radio Clube Portugues. About the same time, its call letters were changed to CTLGL.

The first really big increase in power came two or three years later, just before a tragic fire that razed the first headquarters to the ground in 1935. However, after a magnificent joint effort made by all the members of the Club, with the assistance of other stations, the station was rebuilt, in its present form, and returned to the air with 30 kw. on medium wave.

The following year, 1936, Radio Clube Portugues obtained special permission to start broadcasting commercially, thus providing an important source of income. The first sponsored program was a piano recital by the composer Viana da Mot.

During the Spanish Civil War, Radio Clube Portugues was called upon to play an important part and has been credited with some of the first topical radio reports broadcast in Portuguese. The Second World War naturally stunted its growth, but in 1954, the club was the first station in Portugal to introduce frequency modulation.

On shortwave, Radio Clube Portugues now operates on 6,080 kc/s., 24 hours a day with 10 kilowatts power. The frequency is an unfortunate one for North American listeners, but occasionally it manages to be heard through the other stations on or about this frequency. Reports should go to Radio Clube Portugues, Central Office, Rua Sampaio e Pina 26, Lisbon, Portugal. The station has a fine QSL card.

...Via Radio Portugal DX Club, with additions

H A I T I ' S 4 V E H

Station 4VEH's 25 meter transmitter is a 2,500 watt unit built and designed by the staff engineering team. It is a part of a dual transmitter, sharing the power supply and modulator of the 895 kc/s. medium wave station. It radiates from a 20 foot square rotatable quad antenna, beamed toward the U.S. during English transmissions, toward Martinique during French broadcasts, and to South America or Cuba during the Spanish programming.

The low power (250 watts) station on 2,450 kc/s., is intended for service to Haiti and nearby islands. It radiates from a dipole antenna. The transmitter is the exciter of an RCA 5-DX unit, adapted by 4VEH engineers for the station's requirements.

RADIO BROADCASTING IN WEST AFRICA

Radio broadcasting has made the most sensational advance of any of former French West Africa's mass media of communication.

By 1938, 2,000 short wave radios were all to be found in all of French West Africa, and over 90 per cent of them were owned by Europeans living in Dakar (now capital of Senegal). The French federation had no broadcasting station until one began operating in Dakar some months after World War II began in 1939. It wasn't until 1948 that transmitters were installed in the other large cities; those cities are now the federal capitals of Mauritania, Mali, Guinea, Ivory Coast, etc.

During the 1950's, both broadcast band and shortwave transmitters increased in number. The number of receivers in the area also multiplied.

By 1953, almost 75,000 receivers were in use and in that year, too, the French colonial government contributed over a thousand sets for installation in rural communities which otherwise had been without radio. By 1958, with the aid of a french government agency, SORAFOM (now OCORA), many more broadcasting stations, as well as receivers, were installed throughout French West Africa.

Currently, every one of the capital cities of the former FWA has at least one shortwave transmitter. Three of the countries have 100 kilowatt stations.

Senegal's 100 kw. transmitter went on the air in June 1960. Guinea's station was built and completed in 1962 by Red Chinese technicians, and the Ivory Coast's transmitting site at Abidjan started broadcasts in early 1963, with aid from France.

In each of the eight countries of the former FWA, the stations that were operating under SORAFOM before independence, were nationalized, but there are several private stations now operating, mainly for local listeners.

....Michael Silverstein

NEW UK STATION

A new 600 kw. station is being built on the Isle of Man, by Philip Solomon, who owned the Radio Caroline pirate radio ship. The station is expected to be on the air by September and will run 24 hours a day, MW.

NO SUCH THING - UNTIL NOW

Three years ago, the mention of a stainless steel broadcast tower got the response, "But there is no such thing!"

Today, the entirely rust and corrosion-proof, 270-ft. stainless steel antenna -- said to be the only one of its kind in the world -- stands complete on the island of Aruba.

The tower belongs to Radio Victoria, PJA6, a medium wave station broadcasting for the past eight years from the Netherlands Antilles. The missionary broadcaster programs in Dutch, Spanish, English and the native Papiamento language

The highly corrosive salt spray of the trade winds eat into tower and guy wires so badly that even conventional zinc galvanizing fails to prevent serious damage. For this reason, the station turned to stainless steel.

The antenna was constructed by a California steel firm and was shipped to Aruba by the Japanese freighter, "Tennessee Maru" last September.

So far, the results have lived up to expectations.

...Horizons Magazine, via
Warren Nordgren

THE WINDOM ANTENNA

Though perhaps more popular abroad than in the U.S., the Windom antenna has a number of good features to recommend it to listeners.

It is a matched aerial of which the horizontal member measures half the wavelength, minus 5%. The point at which the lead-in is attached is 0.36 of the length measured from the receiver end. An antenna coupling device can also be used with the Windom antenna.

This type of aerial has the added advantage that it produces also optimum results on wavebands which are approximately half or one-quarter of that for which the aerial is designed. Thus, a Windom constructed for the 49 meter band, will produce excellent results on the 25 and 13 meter bands, and one constructed for the 31 meter band will perform well on 16 meters.

....Radio Nederland booklet

CLANDESTINE CORNERRADIO AMERICAS TO QUIT....AGAIN!

The National Radio Club recently reprinted this item from the March 18 issue of the Miami News:

Controversial Radio Swan (Ed. note: Though the story refers to Radio Swan, it should read Radio Americas, of course), with studios in South Miami and a transmitter at a Caribbean island 700 miles away, goes off the air May 15. The station is a CIA operation, according to some sources. But officials of Radio Americas, corporate name of the Radio Swan operation, claim it is a strictly commercial private enterprise. Radio Swan is a Spanish-language station which has been on the air since the early 1960's.

Robert Wilkinson, general manager and program director of Radio Americas, scoffs at the CIA tag for the station.

"We sell time to political figures and have income from commercials. Salaries have been paid out of profits, but now there are no profits, so we're going off the air."

But those who claim that Radio Swan is a child of the CIA say that a budget cut for clandestine operations is the real reason behind the silencing of the voice in the Caribbean. The station's location, Swan Island, is a U.S. possession a little more than 100 miles east of Belize, British Honduras and is in a strategic position to cover Cuba, Central America, the northern area of South America and the Caribbean islands with its broadcasts in Spanish. All material, except newscasts from United Press International teletypes at the station transmitter site, originates at studios located at 6123 SW 68th St., South Miami. The tapes are flown to Swan Island by private plane on a twice-weekly schedule. The courier plane also transports food, supplies and relief personnel to the transmitter site. The station has been operating on a split broadcasting schedule, going on the air from 5 to 8 a.m., and resuming broadcasts at 5 p.m., signing off at 2 a.m.

President of Radio Americas Inc., is listed as Roosevelt Houser of Coral Gables, a real estate man, bank director and business leader. W.R. Maddux, a Miami real estate man is listed as vice president, and Walter S.C. Rogers, a bond and mortgage executive and son-in-law of Houser, is secretary-treasurer.

A magazine, Electronics Illustrated, suggested last September the possibility that Radio Americas might go off the air and "combine forces with the mysterious station calling itself Radio Libertad, La Voz anti-comunista de America."

Wilkinson said today that he knows nothing about Radio Libertad and added, "all I know is that Radio Americas goes off the air May 15."

And speaking of the "mysterious station calling itself Radio Libertad," has anyone noted this station on the air recently? Spot checks here recently have failed to turn up the station.

It is generally known that Radio Free Cuba, programs produced by Cuban exiles and beamed to that island over a number of medium wave (and earlier, shortwave) stations on which time was purchased, ended its operations last June 30, for lack of funds.

On September 1, an organization based in Chicago, known as the American Security Council, filled the gap with a program called Radio Free Americas. It is transmitted by ten U.S. BCB stations and others in the Dominican Republic, Argentina, Bolivia, Chile, Uruguay and Brazil (in Portuguese). On shortwave, WNYW and KGEI broadcast the Radio Free Americas program five times weekly.

The ASC quotes Radio Havana as follows: "The failure of other worm radio stations on U.S. territory left a vacuum on the air. Radio (Free) America(s) is trying to fill this vacuum and is doing so with little success."

The only question is, was Havana actually referring to Radio Free Americas or to Swan Island's Radio Americas. The parenthetical additions were made by ASC in a news release. They may have mistakenly assumed Havana's comments referred to their program.

RADIO ANGKATAN UDARA

With the improvement of relations between the United States and Indonesia, more and more DXers are turning their attention to broadcasts Indonesian stations. Certainly part of this increased interest has been due to the improving verification policies of many of the stations in this country.

After an absense from the North American DX scene for quite a few years, one of the more interesting Indonesian stations is again being heard. This station is Radio Angkatan Udara, the station of the Indonesian Air Force.

Radio Angkatan Udara has been reported recently operating mornings on 11,903 kc/s. Already this station has verified at least one North American reporter's request for verification, indicating by their interest in reports that the political change of climate has also affected this station's QSL policies.

According to the station's director, Sofyan Alty, Radio Angkatan Udara operates two transmitters, one on 2,475 kc/s., which probably has not been heard in North America, and 11,903 A. kc/s., though the station nominally lists this frequency as 11,940 kc/s. The former transmitter is a 500 watt Collins 550 A-1, using an inverted "L" antenna. The 25 meter outlet runs 7,500 watts, with an RCA ET-4750-C transmitter. Its antenna is a three wire folded dipole.

Though it lists its location as Djakarta, the station is actually located outside the Indonesian capital city at Djatinegara, Java.

Officially, the station operates during two time periods daily, 1900 to 2200 GMT, a daytime program, and 0000 to 0400 GMT, evenings in Java. However, recent reception has been noted from around 1100 to after 1300 GMT, with an irregular schedule. Sign on and sign off times seem to fluctuate greatly and the station, apparently, is not on every day at these times. This would seem to indicate an experimental morning session for Radio Angkatan Udara.

Though the station belongs to the Indonesian Air Force, and functions somewhat like other forces stations belonging to military services in other countries with a heavy emphasis on musical programs for the troops and newscasts, there is an interesting aspect to Radio Angkatan Udara.

Beginning in December 1966, the station has operated what is called Siaran Niaga Pukadara, or Pukadara Commercial Broadcast. It presents commercial messages during part of its program day, namely from 2100 to 2200 and 0030 to 0100 GMT. The purpose of Siaran Niaga Pukadara is to assist the Armed Forces in making the station self-supporting. During these hours, the station presents advertisements for business firms, personal announcements of congratulations, invitations and the like, broadcasts of family news, marriages, births, etc. and requested songs. For a small fee, the staff of Radio Angkatan Udara will record popular songs on tape for persons wishing this service

The director of Radio Angkatan Udara is interested in receiving listeners' reports, which should be addressed to the station, in care of, Djalan Tjipinang Tjempedak I, Djatinegara - Djakarta, Java, Indonesia.

....Don Jensen

VOICE OF AMERICA CHANGES PROPOSED - The U.S. Advisory Commission on Information has proposed some major changes in the operation of USIA, the VOA's parent organization. They have suggested the VOA depend less on shortwave transmissions, except to Communist nations, and spend more time persuading foreign news media to explain the U.S. viewpoint. (NPT)

✓
N O R E A R A D I O

On Sunday, Dec. 30, 1956, Norea Radio was first heard on the shortwave bands of listeners in Norway, in all Scandinavia, and in many other parts of the world. Programs were carried over The Voice of Tangier, now no longer extant, but then one of the many international stations operating from the romantic big-power enclave on the North African coast, now humbled to the role of just another Moroccan city.

The letters NOREA are an abbreviation of Nordic Radio Evangelistic Association, headquartered at 19 Grensen, Oslo, Norway. Programs were prepared in the Oslo studios and mailed on tape to Tangier.

But on May 27, 1959, another, less pleasant piece of news arrived at the Tangier transmitter: the Moroccan government's notice to quit, as of December 31, 1959. However, before the axe fell, on Sept. 19, a contract was signed with another religious broadcaster, Trans World Radio, to use its facilities then being erected in Monte Carlo, Monaco.

Norea Radio is financed from donations from listeners and churches. Through publicity in Norway, sufficient donations were received to pay for the production of programming in East European languages, and a Bulgarian service was introduced in September 1966, in collaboration with the Slavic Mission of Sweden. There is also a Hungarian program, produced with the help of the Norwegian Mission to Israel.

Personnel of Norea Radio are grouped into the categories of Board, Administration and Programming. The Board consists of three or four members.

In addition to its programs for Norway and Eastern Europe, Norea Radio also reaches Norwegian missionaries and sailors abroad, through taped programs carried over HCJB and PJB.

Reports on programs over any of these three stations are verified by QSL card. The address is Grensen, 19, Oslo, Norway.

NOREA RADIO - Schedule

VIA TWR - Monte Carlo - 1700 - 1730 daily
on 9,655 kc/s.
VIA TWR - Bonaire - 0330-0345 Mondays only
on 9,695 kc/s.
VIA HCJB - Quito, Ecuador - 2045 - 2100
Sundays only, on 15,325 and 11,755 kc/s.
Also heard 0545-0600, Mondays only on
6,130, 9,645, 11,910 and 15,325 kc/s.

...Richard E. Wood

Adapted from "Eter-Aktuell"

LUXEMBOURG BIDS TO RULE THE POP AIRWAVES

Radio Luxembourg is making a bid to rule the pop airwaves with its new program format that began March 31. A star team of disc jockey talent has been lined up for the onslaught. It includes Alan Freeman, Pete Murray, Jimmy Savile, Tony Blackburn, Jimmy Young, Sam Costa, David Jacobs, David Symonds and Pete Brady.

Luxembourg's London manager, Geoffrey Everitt announced that the station was dropping all shows of 15 and 30-minute duration in favor of presentation lasting at least one hour.

With the establishment of permanent British standard time, Luxembourg will beam English transmissions daily from 7:30 p.m. until 3 a.m., which means the station will be on the air a full hour after its rival BBC Radio has closed.

News broadcasts will be aired on the hour from 8 p.m. to 1 a.m. by former pirate Radio London staffer Paul Kay. Kay will operate from the Grand Duchy as head of the British department there, assisted by Don Wardell, who is moving to Luxembourg's London office as chief of press and news services.

Australian DJ Tony Murphy will present shows from the Duchy studios, and the resident announcer there will be Paul Burnett. The station will use regular public opinion surveys to check the individual popularity of the individual disc jockeys hired for its presentations. Everitt stated there would be no exclusive contracts, and initial agreements would run for 13 weeks.

Luxembourg is in a commanding position regarding pop radio entertainment at present. With the pirate stations apparently gone for good, Luxembourg is in an excellent position to compete with the BBC's popular service.

...Billboard, via Rod Williams

NASWA FRENEX

SHORTWAVE CENTER

MAY '68

TWO STATIONS AT LA ROMANA, DOMINICAN REPUBLIC PROTEST

The two radio stations operating from La Romana, in the Dominican Republic, stopped their transmissions temporarily, Mar. 1, as a protest to the Direccion General de Telecomunicaciones. They later returned to the air.

La Voz del Papagayo, HIBB, 5,030 kc/s., one of the oldest stations in the country, 40 years on the air, and La Voz de La Romana, HIBD, 3,335 kc/s., ten years old, complained because they had not been permitted by the DGT to operate on the broadcast band, although they have been requesting medium wave frequencies for a long time. Both stations said they already had bought their medium wave transmitters, but no permission to operate them has been granted so far.

The DGT says that this is because international agreements (NARBA) will not allow any MW stations to be installed in the eastern part of the Dominican Republic, as a protection to Puerto Rican stations, unless directional antennas are used to radiate toward the west. The same is the case with Radio Sol, HIRM, 3,255 kc/s., at Higüey, all of them in the eastern part of the country.

Their protest was based on reports that a new station was about to start operation in La Romana on medium wave. The new station was Radio Rutas, on 750 kc/s.

In an editorial read on the air, La Voz de La Romana asked the question: "Why is this new station permitted to operate on medium wave when we have been denied the broadcast band frequency for such a long time, and we have had to operate on shortwave only?" They also asked the DGT to answer their plea before February 29. They received no answer by that date, so they decided to stop operations until the case was cleared up.

When the two stations left the air, the city was left without broadcasting. The easternmost medium wave station in operation in the Dominican Republic was the Radio Television Dominicana relay at El Seibo, 1310 kc/s., 1,000 watts.

On March 11, the director of the government agency announced that the permission granted earlier to Radio Rutas to operate on MW was "temporarily" suspended.

He explained that the DGT is considering the situation due to the facts involved in the case, and that some quest is to be done in order to find out if the station will not interfere with others in Puerto Rico. After this, when the NARBA countries present their "no objection" reply, if in fact they do, the DGT will grant the permission permanently. The permission to Radio Rutas was given by the former head of the government agency. The current director general was appointed several months ago.

After receiving this answer finally, though it may not be entirely to their liking, La Voz del Papagayo and La Voz de La Romana returned to the air.

...Cesar Objio

* * * * *

POSTAL SERVICE TO CUBA LIMITED

The Post Office Department is suspending indefinitely the remaining parcel post and letter package mail service to Cuba--a service which already had been limited to small quantities of medicine.

A Post Office statement said it had been advised by the State Department "of information indicating that delivery of mail packages from the United States is being edelayed indefinitely by the Cuban postal service."

Under the new limitation ordinary letters, printed matter - books, magazines and periodicals not in sealed envelopes - braille letters for the blind and postcards may still be accepted for dispatch to Cuba. All other mail will be returned to the sender.

...Associated Press
via Richard Jenneman



NEWSROOM

DAN HENDERSON, EDITOR
8806 HUNTING LANE, APT.103
LAUREL, MARYLAND 20810

Deadline 15th of Month

All times GMT

ATTENTION!!

ATTENTION!!

Effective April 24, all NewsRoom mail should be sent to me at the following new address: 8806 Hunting Lane, Apt. 103, Laurel, Maryland, 20810. This move to a larger apartment was made in anticipation of the arrival of a new DXer to our family in July, although the new QTH will also provide a much better DX location.

Radio Norway sends the following current schedule: English is heard on Sundays from 0300-0430 on 9610, 11850, and 11860 kcs. The next five transmissions are on 21655, 21730, 25730, and 25900 kcs. Transmissions also listed are from 0700-0830 on 15175 kcs, from 1100-1230 on 7240 kcs, from 1300-1430 on 17825 kcs, and also from 1500-1630. From 1700-1830 on 15175 kc; from 1900-2030 on 25730 kcs. This 1900 xmission is also on the same frequencies of the 2100-2230 xmission-15175, 17825, 21655, and 21730 kcs. (Bruce Ted Goldman, New York).

Radio Ghana sends the following schedule of their External Services, valid until further notice:

In English to North America and the Carribean from 2000-2100 on 9760 and 11850 kcs; To South Africa, Central Africa, and Australia from 1500-1545 on 17910 and 21545 kcs; To West Africa from 1400-2215 on 6130 kcs; To Europe from 2045-2215 on 9545 kcs, and to India, Pakistan and the Far East from 1400-1430 on 17910 kc, from 1500-1545 on 21720 kc, and 1645-1730 and 1815-1900 on 15285 kcs.

A transmission in French to West Africa may be heard from 1730-1815 and 1900-2215 on 6070 kcs. (Radio Ghana, via Ron Perdue, California and Bruce Ted Goldman, New York).

Bruce Ted Goldman reports that a list of 326 time stations is avail-

able at a cost of 25¢ or 3 IRCs from the Fly-by-Night Communciations Club, 2180 Bolton St. Bronx, New York 10462. He also reports that frequency lists can be obtained free for the asking from both Norddeutscher Rundfunk, 2 Hamburg 13, Rothenbaunhaussee 132-134, German Fed. Rep.; and from Sender Freiss Berlin, 1 Berlin 19, Masurenallee 8-14, German Fed. Rep.

Radio Prague sends the following schedule, valid until November 3:

To Europe from 1200-1230 on 9560, 11960, 15285 kcs, and from 1630-1700 on 5930 and 7345 kcs.

To Africa from 1530-1630 on 6055, 11990, 15285, 17840, and 21735 kcs, with a followup transmission from 1730-1830 on 5930, 7345, 9600, 11990, and 17840 kcs.

To North America from 1400-1500 on Sundays on 15448, 17840, and 21450 kcs. From 0100-0200 on 7345, 9540, 9630, 11990, 15365, and 17840 kcs, with a repeat on 0330-0430 on 7345, 9540, 9630, 11990, and 15365 kcs. (Radio Prague, direct from station).

The following schedule has just been received from the Windward Islands B/C Service: From 1445-1830 on 21515 kc, from 1545-1800 on 9550 and 15105 kc. From 1545-2245 on 5015 kc, 1830-2100 on 15180 kc; from 1945-2130 on 11700 kc, 1945-2245 on 15105 kc, 2015-2130 on 21690 kc, and 2155-0215 on 3280 kc. (Windward Is. B/C Service via Bruce Ted Goldman, New York).

NASWA-FRENDX

SHORTWAVE CENTRE

MAY--1968

Osterreichischer Rundfunk, Austria, sends the following current schedule which is valid until Sept 1, 1968: To Europe from 0430-2300 on 6000 kc, 0500-1300 on 6155 kc, 0900-1300 on 7245 kc, 1700-2200 on 6155 kc, and 2000-2200 on 7245 kc (Even dates).

To North America from 2300-0000 on 6155 kc, from 0000-0400 on 9770 kcs (On days with odd dates), and from 2300-0000 on 9770 kcs and 0000 to 0400 on 6155 kc on days with even dates. (Austrian Radio, direct from the station).

TransWorld Radio, Monte-Carlo, sends the following schedule:

From 0625-1000 and 1515-1630 on 7295 kc (Sundays), from 0625-0800 on 7295 kc (Weekdays), and 0610-0830 on the same frequency (Saturdays). In addition, a DX program is aired on Saturdays at 0610. (Transworld Radio, Monaco, via Bruce Goldman and from the station).

Radio South Africa sends the following schedule, valid until November of this year:

To Europe in English from 1900-1950: from 16 and 19 meter band transmitters. To North America from 2330-0020; 0030-0120, 0130-0220, 0230-0320 in the 25, 31, 41, and 49 meter band transmitters. Transmissions to Australasia are heard from 1000-1050 on 13, 16, and 19 meters, and from 1200-1250 on 16, 19, and 25 meters. Frequencies are as follows: 13 meters: 21535, 21500, 16 meters: 17790, 17805 kcs, 19 meters: 15360, 15245, 15220 kcs; 25 meters: 11900, 11875, 11785 kcs, 31 meters: 9720, 9705, 9570, 9525 kcs; 41 meters: 7270, 7185 kcs; 49 meters: 6075 kc, 5990 kc. The DX Program has been rescheduled to Wednesdays instead of Thursdays. (Radio RSA via Ricky Sia, Hawaii, Bruce Goldman, and William Caldwell, California).

Rudolph Menna sends the current schedule of Kol Israel: From 1600-1630 on 9009 and 9725 kc in Yiddish, From 1630-1700 (Persian), 1700-1735 and 1930-2000 (Russian), 2115-2130 and 2015-2030 in English on 9009 kcs. (Kol Israel via Rudolph Manna).

Radio ETLF, Ethiopia, sends the following current schedule:

To West Africa from 0530-0555 on 11775 kc, To India from 1330-1345 on 15315 kc, To Ethiopia from 1655-1710 on 6065 kcs, from 1900-1945 on 15410 kc to West Africa.

To East Africa (testing) from 0400-0425 on 7245 kc; from 1330-1500 to India on 15400 kcs; To East Africa from 1700-1715 on 9560 kcs. (Radio ETLF via Ricky Sia, Hawaii).

John Banta reports that Radio Rabat, Moroccan Radio and TV is still being heard well on 11735 kcs during the English language broadcast to West Africa from 1845-1900. (John Banta, New York).

According to a Radio Liberty dispatch of March 1, the clandestine "Voice of Iraqi People" (thought to be alias of Radio Sofia) announced on Feb. 24 that as of Feb 27 they would temporarily suspend broadcasts. According to a 3 page research paper by Christian Duevel, the station started broadcasting Feb. 8, 1963. The article speculates that it may have to do with the World Communist Meeting in Budapest and that this may be a permanent closedown. (Bruce Ted Goldman).

The Voice of Nigeria sends the following latest schedule: From 0545-0730 on 15155 kc (Europe), from 1445-1600 on 15330, 7275, 11715, 15255 kcs to Europe, West, Central, and East Africa. From 1700-1900 on the same frequencies, and from 2100-2200 to Europe, North America and West Africa on 11900, 15120, 7275 kc, and 11715 kcs. (Voice of Nigeria via Doug Anderson, Florida).

Bill Caldwell reports that the Voice of Free Korea can still be heard from 0300-0400 on 15430 kcs nightly.

TransWorld Radio, Bonaire, Knitts to North America from 0230-0350 and 1100-1235 on 11715, 11815, and 11820 kcs in English. (TWR, Bonaire, via Steve Kruse).

Well, that's all for this month. Good DX to you all. Dan Henderson.

RADIO REA
THE VOICE OF SOUTH AFRICA

RADIO MALAYELA
SABAH

RADIO TRANS HUNDIAE
Trans World Radio

Radio
Mogadiscio

RADIO TRANS HUNDIAE

RADIO
Afghanistan

Radio Frontera

QSL REPORT

GREGG A. CALKIN, EDITOR
174 WATERLOO STREET
SAINT JOHN, N.B., CANADA

Deadline 15th of Month

NEW ADDRESS!!

✓ Your Editor would draw to your attention the new address above for all QSL REPORT contributions in the future. My 4th year at University is completed and I have returned to my home in Saint John, for the summer months. The deadline for your reports to reach me is the 15th of each month. Scoreboard will be again featured in the June issue, so get your reports in today!

AN APOLOGY

Unfortunately a few reports received this month had to be omitted, due to either having arrived after the regular deadline or because your editor was immersed in year end examinations, which lead to a degree this May. Those few members, will I hope, forgive me. Their reports will be included in June QSL REPORT.

CONGRATULATIONS

Your editor would like to take this opportunity to extend his hearty congratulations to Don Jensen, Gerry Dexter and Richard Wood who were elected NASWA's Board of Directors. Under their leadership the future for NASWA looks very bright indeed, each individual bringing his particular skills and abilities to the fore for the good of the Club. Your editor very much looks forward to working with them in future months.

EUZKADI QSL

Recently Radio Euzkadi has been sending our a new card, in lieu of the traditional form letter. The card, currently being sent from B.P. 59, Poste Centrale, 75-Paris (16), France, features a small map of Northern Spain showing the location of the xmtr as in the Basque area. A photo of the tower is also featured plus brief information on "The Voice of the Basque Underground". QSL data is featured in date, time and frequency plus verification statement. A nice addition to any collection! (although one might take the given xmtr location with a grain of salt.)

✓ REPORT FORMS

This month, QSL REPORT has a special feature in the form of an Indonesian Report Form, through the efforts of our Loggings Editor, Del Hirst. Although the main season for Indonesian DX is past for the moment, it is felt that this form may be of considerable help in direct reporting to stations, other than Djakarta.

A reminder too that the French, Spanish and Portuguese report forms are still available from your QSL Editor, for an S.A.E. plus return postage. Also available are the Form C Report forms for contributions to QSL REPORT.

SCOREBOARD IN JUNE FRENDX. UPDATE YOUR TOTALS NOW! REMEMBER NEW ADDRESS!

✓ Südwestfunk

With headquarters in Baden-Baden, Südwestfunk is a German regional radio service covering the south-west area (with the exception of the Saarland) of the German Federal Republic. With its ID: "Hier ist der Südwestfunk", SWF is heard fairly regularly in NA on BCB and short-wave 7265 kc/s:



MW-SENDER }
 KW-SENDER }
 7265 kHz

Sendezeiten:
 Sa. 5.50-1.00 MEZ
 Mo., Di, Mi, Do. 5.45-0.10 MEZ
 Fr. 5.45-1.10 MEZ
 Sa. 5.45-2.00 MEZ

.....
QSLs RECEIVED

- AFGHANISTAN: Radio kabul, 9545/11770 kc/s sent card and schedule airmail in 3 wks. Full data and 5-IRCs sent with report. (Matthews, Pennsylvania)
- ARMENIAN S.S.R.: Yerevan, 17830:17890 kc/s replied with card, p/cards and sked in 10 wks. No IRCs (Kane, N.J.) Asked me to report directly next time. Via Moscow (Baines, N.S.)
- AUSTRALIA: Radio Australia, 11710, card in 11 wks seammil. No IRC. Full data (Moeller, Pa) VLM4, Brisbane, 4920, card in 80 days seammil. No IRCs. (S. kamp, Texas)
- AUSTRIA: Austrian Radio, Vienna, 9770 w/card, sked in 4 wks. No IRCs (Kane, N.J.)
- BONAIRE: TWR, 11820 w/folder-ASL in 12 days by air; V/S: Mrs. A. Jean Schneider. Full QSL data and 2 IRCs sent with report (Moeller, Pennsylvania)

- BRAZIL: Radio Difusora Taubaté, 4855 sent letter from Emilio Amadei Berings, Director Superintendente, with a nice pennant in 3 weeks by airmail (Wood, Hawaii)
Radio Gazeta, São Paulo, 5955 w/card in broken English in 13 wks sea (Wood, Ha.)
Radio Guaruyá, 5975, card & letter in 2 wks airmail. SASE sent (Field, Michigan)
Radio Jornal do Brasil, 4875 kc/s sent letter in English plus pennant from: Fernando Verga, Bc. Asst. by airmail. SASE sent (Field, Michigan)
- BULGARIA: Radio Sofia, 9700 w/card, sked and report forms in 11 weeks (Kane, N.J.)
- CANADA: CFCX, Montreal, 6005 sent card surface mail in 3 weeks (Matthews, Penna.)
CFRX, Toronto, 6070 sent card airmail in 4 days. IRC sent. V/S: H. Forrest (Matthews, Pennsylvania)
CHNX, Halifax, 6130 w/card surface mail in 2½ months. IRC (Matthews, Penna.)
- CANARY ISLANDS: Radio Nacional de España, 15380 finally w/a detailed letter verifying all details and w/pennant in 9 months. V/S: Juan de Rojas (Shaw, California)
- CHILE: Radio Nueva Mundo, 11740 sent personal letter and pennant in 2 weeks airmail. V/S: Alfredo Gmo. Taborga M. SASE sent (Field, Michigan)
- CHINA: Radio Peking, 15060/17680 sending card, sked "Red Book", newspapers, magazines, in 8 weeks seairmail. No IRCs sent (Kane, N.J.; S. Kamp, Texas)
- CONGO REP: ORTF, Brazzaville, 15190 sends attractive card and greeting card airmail in 1½ months. (Mochizuki, Hawaii)
- COSTA RICA: TIFC, sent card in 2-3 weeks by airmail for 6037 and 9645 kc/s. V/S: Jerry Frost. Also religious folder and personal note (Burnett, Wood)
- CZECHOSLOVAKIA: Attractive yellow and black card from Prague in 1 month airmail. For 6090 kc/s. No IRCs sent V/S: Vladimir kučera (Calkin, New Brunswick)
- DAHOMEY: Radiodiffusion du Dahomey, Cotonou, verified my report in French in 26 days w/a very colorful card (drawings) for 4870 kc/s (Via, Maryland)
- DOMINICAN REPUBLIC: RTV Dominicana, 9555 w/card in 13 days seairmail. IRCs sent. Card is in Spanish (Burnett)
- ENGLAND: VOA, Wofferton, 11710 kc/s w/card and letter in 2 wks surface. V/S: D. Schott. Via Washington (Matthews, Pennsylvania)
- FINLAND: Radio Finland, 15185 kc/s verifies with card/sked in 3 months. Card features map of Finland in white with olive back ground. (Anderson, Florida)
- FRANCE: ORTF, Paris, 15245 kc/s w/card in 4½ weeks. No IRCs (Kane, N.J.)
- GEORGIAN S.S.R. Tbilisi, 5980 w/card in 1 month w/p/card of kremlin. Via Moscow and contains full data (Baines, N.S.)
- G.D.R. RBI, 11785 w/card of soccer team, plus sked. No IRCs. 1½ months (Fallona, N.H.)
- G.F.R. VOA, Munich, 6040 card w/letter in 2 wks. V/S: Diane Schott (Matthews, Pa.)
Radio Bremen, 6190 kc/s sent card seairmail in 1½ months. 4 IRCs (Calkin, N. B.)
- GHANA: Radio Ghana, 11800 kc/s w/card, sked in 10 weeks. Card is red, yellow and green. (Kane, N.J.; Perdue, California)
- GREENLAND: Grønlands Radio, Godthåb, 5980 kc/s sent card airmail in 2 mos. Full data. 3 IRCs sent (Field, Michigan) (Cohen, Conn.)
- GUYANA: Radio Demerara, 3265 kc/s w/card sent airmail in 14 days. V/S: S. Bowen//
- HUNGARY: Radio Budapest, 9833, card and schedule in 8 weeks. No IRCs (Kane, N. J.)
- INDIA: AIR, Calcutta, 4820 kc/s w/card via New Delhi (Jensen, Wisconsin)
AIR, Madras, 6085 kc/s w/card and letter direct (Jensen, Wisconsin)
- INDONESIA: YDW1, Pontianak, Borneo, 3345 w/letters in English and Indonesian in 2 wks. IRCs. (Jensen, Wisconsin) V/S: "Soedarjo"-Director. Airmail. IRCs (Padula, Australia)
8FW20, Srong, 4872 w/card via Djakarta airmail. IRCs (Padula, Australia)
YDS2, Menado, Celebes, 7295 kc/s w/card via Djakarta & Mrs. Susie airmail. IRCs sent (Padula, Australia)
Makassar, Celebes, 4753 kc/s w/card via Djakarta (Padula, Australia)

NASWA-FRENDX

SHORTWAVE CENTER

MAY 1968

- IRAN: Radio Iran, Teheran, 15135 w/letter, magazines in 10 wks. No IRCs (Kane, N.J.)
- IRAQ: Radio Baghdad, 7180 w/manila card only featuring map of Iraq on reverse. 2 mos. 3 IRCs sent (Shaw, California)
- JAPAN: Nihon SW B.Co., 9595 kc/s, replied with card airmail in 4 weeks. 5 IRCs. Full QSL data given (Matthews, Pennsylvania)
- LAOS: Radiodif. National Laos, Vientiane, by card in 2 weeks for 6130 kc/s. Return postage sent (Jensen, Wisconsin)
- LITHUANIAN S.S.R. Radio Vilnius, 11710/11970 w/2 cards, sked in 3 1/3 months. Full data (Charnes, New Jersey)
- MALAGASY REPUBLIC: Radiodif. National Malgache, 7105 kc/s sent card showing studios in Tananarive, plus French letter by airmail in 53 days. 3 IRCs (S. Kamp, Texas)
- MONACO: T.W.R., 7295 kc/s w/folder card, sked in 8 weeks. No IRCs (Kane, N. J.)
- NETHERLANDS: Radio Nederland, 11730 kc/s, 20th Anniversary card in 44 days seamaill. Very attractive card, full details (Marz, Pa)
- NEW CALEDONIA: Radio Nouméa, 7170 kc/s sent drab printed description of the station on a p/card. Interesting but plain. Date and time given (S. Kamp, Texas; Via, Md.)
- NIGERIA: Benin City, 4932 kc/s w/letter in 3 weeks. Return postage sent (Jensen, Wisc) Ibadan, 3204 kc/s, card and sked in 14 days by airmail. 2 IRCs (Cohen, Conn.)
- PAKISTAN (EAST): Dacca, 21685 kc/s sent card from Rawalpindi. IRC sent. Rcvd seamaill in 3 months from reporting (Padula, Australia)
- PERU: Radio Atlántida, 9625 kc/s w/letter, pennant from Olga R. Montenegro Matute. By airmail in 2 weeks (Wood, Hawaii)
Radio Nor-Peruana, 9655 sent detailed letter plus magnificent pennant from Manuel Nuñez Chacon, Gerente in 5 weeks airmail (Wood, Hawaii)
- PHILIPPINES: SEARV, w/letter in 10-18 days airmail. V/S: Constantino Bernardo. IRCs not required (Padula, Australia; Mochizuki, Hawaii)
- RHODESIA: RBC, 3306, card and sked airmail in 2 weeks. V/S: E.G. McKingle. Full data. 3 IRCs (Hagerman, Michigan)
- ROMANIA: Bucharest, 9570, card, sked in 8 weeks. No IRC (Kane, N. J.)
- RWANDA: Deutsche Welle Relay, sends beautiful blue/yellow/gold card with map of Africa via airmail from Köln. Full data; up to 4 weeks. (Cohen, Kirkpatrick, Michalenka)
- SARAWAK: Radio Malaysia, 4835 w/card in 2 months. Pictures the BC House (Shaw, Calif) personal letter in 6 wks seamaill plus book about station. V/S: M. Salleh Askor, Controler of Radio. Have written asking for card (Matthews, Pennsylvania)
- SAUDI ARABIA: 15150, card airmail in 3 mos after 2nd rpt from Werner Storg, C.E. IRCs sent and QSL contains full data (Field, Michigan)
- SINGAPORE: BFBS, 5010 kc/s w/card and letter in 3 months. IRCs (Jensen, Wisconsin)
- SPAIN: Radio Liberty, 7295 kc/s replied w/card seamaill in 2 mos. (Matthews, Penna.)
- TADZHIK S.S.R. Dushanbe, 11715 kc/s w/card in 1 month. Full data, w/p/card (Baines, NS)
- VENEZUELA: Radio Universo, Barquisimeto, 4880 sent card by airmail in 2 wks. IRCs; full data on QSL (Marz, Pennsylvania)
- WEST BERLIN: RIAS, sent attractive photo card of studios/vehicles by airmail in 1 1/2 mos. Also, a history of RIAS in German, books/pamphlets on Berlin, GFR, RIAS sked, DW skeds, and fascinating book containing info/photos of all radio stations in GFR (Calkin, N.B. Wood, Hawaii)
- ZAMBIA: Lusaka, 3346, plain white card airmail in 1 1/2-3 mos. V/S: J. Allerton CE. Full data: IRCs sent (Hirst, Texas; M. Kamp, Texas) And now on to



LOG REPORT

DEL HIRST, EDITOR
202 BIRCH STREET
SNYDER, TEXAS 79549

Deadline 15th of Month

All times GMT

- 25990 USA VOA/Dixon, ID 1030 (Wood) unlist (Ed.) 2130-2300 FE new (Berghammer)
 25900 NORWAY NRK, Eng/Norwegian ID 1745 (Wood)
 25790 S. AFRICA R. RSA 1820 Eng pop mx pgm (Michalenka)
 25730 NORWAY R. Norway 1912 in lang, excel. sig (Mayo)
 25720 ENGLAND BBC London 1645 WS to C&S Afr (Michalenka) Sked only to 1615 (Ed.)
 25670 ENGLAND BBC end Swahili, into Eng to Afr 1015 (Wood)
 25650 ENGLAND BBC 1640 in WS w/soccer(Michalenka)If WS, extended sked(Ed.)WS 0930 (Wood)
 25610 HOLLAND R. Ned. Sun. only, Dutch to ANZ, powerful; church ser. 1000-1200(Paduls)
 21780 AUSTRALIA R. Australia 0130 nx, 0200 ID; not listed, but checked carefully(Mayo)
 21740 AUSTRALIA R. Australia 0233 nx(Mayo)0215 reg dly#/17840, 15320 (Thornton)
 21730 NORWAY R. Norway 2123 lang, Eng ID (Mayo)
 21710 ENGLAND BBC London 2129 pop req. pgm (Mayo)
 21700 PORTUGAL Lisbon 2025-2035 Port lang, Sp xm (Jacobson)
 21660 PORTUGAL Em. Mac., Port., mx 1230 (Petric)
 21650 USA AFRTS, 1645 sports nx (Petric) Bethany, 140 KW (Ed.)
 21645 FRANCE ORTF, 1655 sports nx Fr; //21620; //21580 strongest (Marcus)
 21640 AZERBAIJAN SSR Baku(list), R.Moscow 1130 Thai, 1530 Viet. (Berghammer)
 21640 JAPAN R. Japan excel on new freq 0210 Eng(Niblack)0243 tlk on Expo 70(Mayo)
 21630 USA VOA/Dixon 0052 Chinese; 0059 "Yankee Doodle", 0100 ID (Mayo)
 21615 INDIA AIR, Delhi, s/on Eng to NEAsia 1000 (Wood)
 21615 USSR(Eur) R.Moscow(Cairo off) 1530-1600 Eng to Afr (Berghammer)
 21610 ENGLAND BBC relay CBC to Afr, Eng s/on 0710 (Wood)
 21600 USSR(Eur) (Leningrad list) R.Moscow 1430 Urdu to Pak.(Berghammer)
 21590 PAKISTAN R. Pakistan w/nx for diplomats in Eng(Petric)Under VOA 1335(Berghammer)
 21585 AFGHANISTAN Kabul blocking RBI, in Pushtu/Dari to Eur; 1200 s/on (Padula)
 21585 EGYPT Cairo, 1700, good sig, unid. lang (Marcus)
 21560 ITALY RAI, Italian to ANZ, 0600 s/on (Wood)
 21540 AUSTRALIA ABC, 0730 mx, Eng (Petric) 0110 w/echo (Mayo)
 21540 USSR Another new freq, w/Eng to S. Asia at 1000; strong (Padula)
 21535 JAPAN NHK, 0700 nx in Ger (Petric)
 21535 S. AFRICA R. RSA 1940, jazz, Eng (Petric)
 - 21530 ENGLAND VOA/Woof. new 1400-1600 Indian langs (Berghammer)
 21530 USA WYVW 1905 w/request show in Eng (Petric)
 21505 ARMENIAN SSR Erevan (list) Russian HS 1145 (Berghammer)
 21505 USA AFRTS/Delano, wk 0225 sport nx(Mayo)Sked 21500; 0200-0400sked is new (Ed.)
 21490 USSR Powerful new outlet for R.Moscow's Asian Ser; 1100 in Eng(Padula)1630-1730 Urdu to W.Pak.//21460, 17775 (Berghammer)
 21475 E. GERMANY RBI 1730-1815, Fr to C.Afr (Rowell)
 21470 ENGLAND BBC, mx, 0840; Eng (Petric)
 21465 E. GERMANY RBI concluding Eng to SEAsia 0730 (Wood)
 21455 NIGERIA Lagos, 1100, req. pgm in Eng(Petric)0800 ID, nx in 9 Nigerian langs(Wood)
 21450 NIGERIA R.Nigeria 1000 w/nx Eng; s/on 0830A, still going 1200; poss. a school b'cast; drifts, noted at 21453 at times (Padula)

- 15430 INDIA AIR Delhi 1300 Sinhala to Ceylon //17715 not hrd (Berghammer)
- 15430 S. KOREA Seoul 0300-0400 Eng nitely; exc. sig, very informative (Caldwell)
0215 w/Sp. nx comment. (Marcus) Nat'l. Opera group (Jacobson)
- 15425 HOLLAND R. Nederland, 2120 DX Juke Box every Thurs, good (Pestor)
- 15425 AUSTRALIA VLK15, Perth at 0650 w/local pgm (Marcus)
- 15415 URBAIN SSR R. Kiev (list) 1430 Ukrainian; new format, informal (Berghammer)
- 15415 BRAZIL R. Clube Ribeirão Preto 2345 w/talk; badly squeezed DW below, RNE above (H.Kamp)
- 15400 ETHIOPIA ETLF 0530 gospel in Arabic (Petric) 1525 in Afr. tongue (Marcus)
- 15365 CZECHOSL. R. Prague in Port. 2200 (Padula)
- 15365 CANARY IS. RNE 0215 in Sp., w/pop Italian nx (Marcus)
- 15365 S. AFRICA S. A. Ser., Eng rel. 0800 (Wood)
- 15348 ARGENTINA RAE BA, 2100 Italian to Eur. (Berghammer)
- 15345 PHILIPPINES VOA/Poro in Eng, s/off 1630 (Peters) To NEAsia, S-7, 1600; 15 kW. (Berghammer)
- 15345 TAIWAN WOFC at 0325 w/Eng. pol. comment. (Marcus)
- 15342 PAKISTAN (N.) Varies to 15345, 1945-2030 Eng to Eur. (Rowell)
- 15340 ITALY RAI new fq; Eng 2200 (Padula)
- 15335 PAKISTAN (N.) R. Pakistan 0145 Bengali (Berghammer)
- 15315 ETHIOPIA R. Voice of the Gospel w/multiling. ID, open to Madagascar 1515 (Marcus)
- 15310 BULGARIA R. Sofia fair at 1910 w/Eng to Afr. (Marcus)
- 15310 GUINEA Conakry, s/on w/5 Nat. anthems 0755 (Wood)
- 15310 SWEDEN R. Sweden 1600-1630 Eng to WEMA; slight flutter (Barman) Moscow beneath (Berghammer)
- 15295 BRAZIL R. Mac. Rio 0400 s/off Port; back on the air (Berghammer)
- 15290 CUBA Havana, new fq, ex-6135, ann. "15285", Eng ID 0330 (Wood) Now corrected (Ed.)
- 15285 VATICAN 2300-2320 Port. to Braz. //9690, 11760 (Berghammer)
- 15280 MALAYSIA V. of Malaysia on new freq 0645 s/or w/IS and ID in Eng; Eng nx 0700, 4/6 (Sparks) Ex-6100, Eng nx 0630, s/off 0845 (Wood)
- 15274 HAITI R. AVEN, 0230A testing w/100W, ancg. 15280, is not (Niblack) 0350 s/off, asks for reports (Berghammer)
- 15270 URUGUAY CODEE, -ontivideo, 0300 Sp; 1 kW irr. hrd. (Berghammer)
- 15270 MOROCCO VOA/Tangier, VOA ID 1600 into Latvian, weak (Hirst)
- 15265 AFGHANISTAN R. Kabul when condx good, 1730 Ger., 1800-1830 Eng; ann. //11770 not hrd (Rowell) 1200-1300 Pushtu/Dari to Eur. //21585; just over Moscow (Berghammer)
- 15265 INDIA AIR Delhi brilliant 2245 nat. ser, Eng, ID 2300, nx b M. (Niblack)
- 15260 JAPAN RLM Tokyo weak at 0430 w/disc-jockey show (Marcus)
- 15260 ETHIOPIA ETLF drums IS noted strong at 1510 (Hirst)
- 15255 NIGERIA Lagos at 1710 w/Eng talk on Afr; good (Marcus) 1730 nx & nx (Boggs) 1545 w/request nx (Hirst)
- 15245 CONGO D.R. Kinshasa 2010-2101 vry weak in lang. (H.Kamp)
- 15245 FRANCE ORTF, Paris 1915 w/nx & talk pgm; s/off 1930 (Mas)
- 15245 ROMANIA R. Bucharest 0330 Rumanian to LA (Rowell)
- 15245 USA(?) U.N. Radio, U.N. nx 1805, dif. langs (Petric) From Tangier (Ed.)
- 15240 AUSTRALIA R. Australia fair w/Eng at 0530 (Marcus) After 0300 to 0645 Eng to Mid-Pac. (Rowell) 0515-0600 Mid-Pac. (Upton)
- 15240 YUGOSLAVIA R. Belgrade in Eng 1545 w/talk; fair (Marcus)
- 15230 AUSTRALIA VLK15, Melbourne fair 0630-0700 w/rel. ser. (Marcus) 0625 BBC nx (Rowell)
- 15230 CUBA R. Havana w/R. Manoi b'cast, Eng 2100; also on 9655 at 0740 (Petric)
- 15230 AUSTRIA Vienna at 1528 w/ID, then s/off; good (Marcus)
- 15230 CEYLON P. Ceylon, Comm. Ser. good sig to 0330 s/off, Western nx, Eng. (Pistek) Fair w/Eng 1630; much GRM (Marcus) 1600 Eng GRM Moscow (Berghammer)
- 15220 AUSTRALIA ABC 0515-0615 Fr. to Mid-Pac; //15320, 17820 to Afr. (Rowell)
- 15220 S. AFRICA R. RSA 0615 nx in Port; 0620 nx Fr; 0645 nx Eng (Rowell)
- 15200 FRANCE ORTF, Paris fair when s/off fr. weiss. 1930 (Marcus)

- 15190 CONGO REP. ORTF Brazzaville 1915-1930 ID, nx, s/off (Menna)
- 15185 FINLAND R.Finland, 1810, nx w/mx interludes, talk of wx; 4/1 (Pestor)
- 15180 ENGLAND Londoner Rundfunk (BDC) nx in Ger., beamed to E. Ger., also rel. pgms 1630; also 1800 in Eur. Ser. (Pestor)
- 15175 SENEGAL Dakar, ex-15115, Fr. ID 1730 (Wood)
- 15170 PORTUGAL RFE, Hungarian talk 1725 (Wood)
- 15165 SYRIA R. Damascus 1710 ending Eng. talk; fair (Marcus)S/on 0400 Arabic(Rowell) Eng nx 1630 dly; lt. modulation(Pistek)1630 Eng nx, fair; but squeezed(M.Kamp)
- 15165 DENMARK 1500 in midst of Eng DX pgm(Marcus)1247 Mailbag, barely audible (Michalenska) 1245 good, 3/28 (Kusko)
- 15160 TURKEY R. Ankara end Ger nx 1845; strong(Marcus)2200(Boggus)S/on 0427 Turk (Rowell)0433 Turk lang nx(Palmer)Nx 2206 good(Menna)2200 to W.Eur;mx req pgm (Barman)
- 15160 USA "La Voz de la OEA" from VOA/Bethany; 0128 "CQ CQ Latin America" ID Eng 0130 Sp nx foll. (S.Kamp) Unlist; UN nx to 0100 shown (Ed.)
- 15160 FRANCE ORTF 2000 relay Arabic xmsn of U.N.Radio Geneva (Marcus)
- 15155 NIGERIA VON 0600 s/on Eng, nx, ann. sever relation w/Tanzania, 4/14 (Hirst)
- 15155 LIBERIA ELWA Monrovia, fair at 1830 in lang (Marcus)
- 15150 SAUDI ARABIA Jedda at 2255 w/Arabic chant; good (Marcus)S/on 2245, again 0347, Arabic (Rowell)
- 15140 ASCENSION IS. BBC Atl. Relay, nx 2230 (Rasin) 0215 (Kruse)
- 15135 JAPAN NHK, 2345 Eng to ECNA;//17825 clearer (Pestor)
- 15135 ETHIOPIA RVOG, Eng to Afr. 0430 (Wood)
- 15135 IRAN R.Teheran begin Arabic 1830 (Marcus) 1958, slow drum IS, seems new;strings not hrd; into Eng nx 2000, best ever(Hirst) 3/17 Eng 2015 (Bacon)
- 15130 S. KOREA VOFK 0600-0700, Eng. (Rowell)
- 15125 BRAZIL ZYN32, R. Soc. da Bahia s/off 0003 (Palmer)
- 15125 S. KOREA VOFK Seoul 0645 Korean mx, new freq in Eng ser (Marcus)
- 15120 FRANCE ORTF relay France-Inter 1920 w/pop mx(Marcus) To Brazil, lang lesson 0020 (Hirst)
- 15120 VATICAN R. fair at 1510 in Eng (Marcus)
- 15115 SENEGAL Dakar poor in Fr. 2400 s/off(Marcus)LA mx, badly blocked by HCJB from 2330; ID 0000 s/off w/benegalese anthem (Palmer) See 15175 (Ed.)
- 15110 N. ZEALAND RNZ fair 0525 w/Eng pgm (Marcus)
- 15105 IRAN R. Iran, Eng, symph. concert, 2000 (Petric)
- 15105 JAPAN NHK 2000 ID in Ger. Ser; seldom hrd this time (Pestor)
- 15105 BRAZIL R. Rural w/US pops from 2315 tuning (Liblack)S/off 2330 (Palmer)
- 15100 SURINAM R. Surinam, Paramaribo here to 4/2, Dutch/Eng pgm; req. pgm in Eng to 0030, into Hindustani; time chex 3.5 hrs behind GMT; tnx to Al Liblack(Hirst)
- 15100 GRENADA WBS Eng to 2245; list 15105, prob. avoiding Braz. & NHK (Palmer) Hrd to 2315 on Sun. relay BBC nx (Hirst)
- 15100 E. GERMANY RBI end Fr. to Afr. 0515 (Wood)
- 15098 CHINA Peking, Russian s/on 0515 (Wood)
- 15095 CHINA Peking Eng 0400-0500, //17680; this best (Caldwell)
- 15090A CLAUDE THE R. Euzkadi 2229 IS on small bells, 2230 ID Basque/Sp./Eng; seemed jammed (Palmer)
- 15085 CLAUDESTINE R. Euzkadi, s/off 2059, Sp. lang mx (Jacobson)
- 15080 INDIA AIR Bombay, Gujerati 1740, Eng 1745 G.C.S. to E. Afr; Eng nx 1800(Palmer) 1715 fair in lang(Marcus)(Clover)
- 14459 RYUKYU IS. WUNC, Beragawa, class. mx 0930(Wood)Pg. transposed in Apr. (Ed.)
- 13300 CLAUDESTINE R. Euzkadi strong in Sp. at 2140//15060 (Padula)
- 12095 ENGLAND BBC, 0300 start pgm to IE, World Hx (Pestor)
- 12069+ USSR (Kiev list) R. Moscow 2105 Eng ID Afr. Ser. (Mayo)
- 12005 EGYPT R. Cairo 2145 s/on Eng to Eur, lt. mx, nx(Mayo)2030 in Ger. (Petric)
- 12000 USSR 1530, Ger. w/"Frieden & Fortsch." (Petric)
- 11990 USSR (As.) (not Lushanbé) relay Moscow Chinese 0530 (Wood)
- 11975 LIBERIA ELWA, Monrovia 0730, reg. rel. pgm, weak & fading (De Smith)

- 11970 GRENADA WBS 0130 lt. mx (Marcus)
- 11950 LIBERIA ELWA Eng 0600 w/rel. pgrg; str. sig lvl (Barman) To 0659 (Soneff)
- 11950 BRAZIL R. Ministerio de Educ., Rio, nx 2245 (Field)
- 11945 W. GERMANY DJ, Cologne good at 0135 w/Eng nx (Marcus)
- 11945 CHINA R. Peking nx in Sp. 2300 (Valdivieso)
- 11940 RUMANIA R. Bucharest, Eng to NA 0430-0500 (Caldwell) DX 0325 (Banta) Wed. (Ed.)
1930 w/nx, corr. (Vienna) Fair 0430 (Kusko) (Barman) (Soneff)
- 11940 SINGAPORE R. Singapura good 1545 w/lt mx in Eng. (Marcus)
- 11935 BRAZIL R. Clube Paranaense, Curitiba, ZY535, 2355 ads (Field)
- 11935 PORTUGAL R. Portugal 0213 DX club; C231 mx to C244 s/off (Mayo)
- 11930 USSR (Eur.) Leningrad, to ships in Atlantic, Sat. 0800 (Wood)
- 11925 W. GERMANY DJ, 2330, talk (Pestor)
- 11920 ETHIOPIA ETLF good 0445 w/Eng test xmsn (Marcus)
- 11920 IVORY COAST R. Abidjan good in Fr. 2325 to 2400 s/off (Marcus)
- 11920 PHILIPPINES FEBC Manila Eng 1145-1245, quite consistent, good (Pistek)
- 11915 SWEDEN R. Sweden new freq. to FE 2045-2115 in Eng; QRM BBC 11910 (Padula)
- 11905 ITALY RAI, Rome fair at 0140 in Italian //11810 (Marcus)
- 11900 CHILE La Voz de Chile, Sp. 2230 (Boggus)
- 11900 NIGERIA V. of Nigeria, Lagos, fair w/Eng nx at 2105 (Marcus)
- 11898+ USSR R. Kiev (reg. relay?) 0441 DX Club, bad het. 0445 (Mayo) verdlovsk list
(Ed.) R. Kiev 0430-0455 Mailbag (Soneff)
- 11875 W. GERMANY DJ, 2020, daily test pgr to Africa; Fr. (Pestor)
- 11870 POLAND R. Warsaw 0315-0345 (Soneff) Freq. nearly useless w/QRM (First)
- 11865 ASCENSION IS. BBC relay v. strong w/local ID 2200 s/on (Niblack)
- 11860 BELGIUM RTB at 1645 begin xmsn in Flemish (Marcus)
- 11850 MONGOLIA R. Ulan Bator s/on 2200 Fri. in Eng w/ID; f/o 2230 (Padula)
- 11835 ALGERIA R. Algérie w/Fr. nx 0730 (Marcus)
- 11835 CEYLON VOA/Colombo 0205-C230 Eng nx, pop mx (Jacobson)
- 11825 TAHITI R. Tahiti, Papeete fair at 0530 w/Fr. (Marcus) Isl. mx, s/off 0802 (Glover)
- 11805 SWEDEN R. Sweden good at 0034 w/nx (Vienna) Str., but QRM 0030-0100 Eng (Barman)
- 11800 CANARY IS. RFE, mx, nx, 0018, Sp. (Valdivieso)
- 11800 GHANA R. Ghana, s/on in Fr. to E. & C. Afr. 1900 (Wood)
- 11790 USSR Sta. ancg. as "R. Vilnius" 2230 on Sun. must be a relay; just before 2300,
freq. amcd, sked given, IS, then R. Moscow takes over same freq. (Niblack)
- 11790 MOROCCO VOA/Tangier, 0247, about SST's (Boggus) Now 100 km to 0330 (Ed.)
- 11785 IRAQ R. Baghdad 0400 Arabic lang & mx; ID 0430 Eng (Caldwell) 0330 Fr. (Rowell)
- 11780 ARGENTINA R. Belgrano 0300 Eng to 0315; Sp/Eng ID; Sp. to 0400 (Caldwell)
- 11780A MOZAMBIQUE Afr/Eng DJ show 0430, weak; ID for Lourenço-Marques (Pistek)
- 11780 N. ZEALAND RNZ 0550 BBC WB nx foll. by pgr to Pacific Isles (De Smith) 0615
Bellbird IS, 0620 BBC WB nx (Mayo)
- 11770 NIGERIA Lagos at 2200 Eng s/off (Barman)
- 11760 VATICAN Vatican R. Eng, s/off 0105; sig. getting bad (Anthony) Eng. 1930 (Baines)
- 11750 AUSTRIA Eng ENA 0330, QRM Cuba; usual ID 4 lang (Valdivieso)
- 11745 USSR Erevan, Sun. w/Amenain to Eur. 0800 foll. IDs; Fr. 0850 //11930 (Padula)
SFE relay? (Ed.)
- 11735 MOROCCO Rabat w/Eng b'cast, old pop tunes 1800 (Baines) Hx Eng 1828 (Banta)
- 11715 SWITZERLAND SBC, Berne 0445-0545, Eng to NA //9695 (Rowell)
- 11710A AUSTRALIA R. Australia 0700 mailbag to Eur/Br. Is. (De Smith)
- 11705 SWEDEN R. Sweden, 0330-0400 Eng to NA, excel. (Caldwell) 0331 Eng nx (Mayo)
0130 Sp. (Valdivieso)
- 11700 MONACO TR Monte Carlo 1810-1825 Arabic, rel; ex-11720 (Berghammer)
- 11695 CHINA Peking Eng to Afr 2030 //9470, 15060 (Berghammer)
- 11620 INDIA AIR Delhi, pol. comm. in Eng. 2020 (Petric)
- 11600 CHINA (Tent.) Peking, seemed to ann. as R. Vietnam 0015 (Baines)
- 9912 INDIA AIR 2200 nx in Eng (Baines)
- 9833 HUNGARY R. Budapest 0300 Eng to NA; 2130 Eng to Eur (Barman) 0435 Eng. nx (Mayo)
- 9780 EGYPT Cairo w/Arabic nx 2220 t/i, no freq. 3/20 (Niblack)

WASA-FRENCH

SHORT WAVE CENTER

MAY 1968

- 9778+ CHINA R. Peking 0328 Eng talk; 0353 ID to E. US, then anthem(Mayo).also //7120
0300-0355 w/usual; str, but QRN; 7120 3-9+20db but low vol. (Barman)
- 9770 AUSTRIA Austr. Radio 2330, ID several lang, good mx(Pestor)IS 0025; Eng for few
minutes, after 3 min. ID (Anthony)
- 9770 INDONESIA (Java) RRI Djakarta, nx to 1515; Indon. guitar mx; Nat'l. Tgm(Palmer)
- 9760 GHANA R. Ghana "Wkly. Review" 2030 (Boggus)
- 9760 SPAIN REL 0200 ID, nx in Eng (Pestor) Sp, nx, mx 2230 (Valdivieso)
- 9755 FRANCE ORTF 0035-0135, Sp. pgm to LA (Caldwell)
- 9750 CHILE R. Soc. Nac. de Minería, good 0026-0134; nx, ads, class. mx (S.Kamp)
- 9745 MALI Bamako w/Afr tunes & Fr anmts 2230 (Padula)
- 9740 BELGIUM BRT Sun. Sports 1645-1715 //11715, 17860 Fr/Fl. (Berghammer)
- 9740 INDIA AIR N. Delhi 2300 Eng to E. Asia; S-8, clear (Berghammer)
- 9730 CONGO REP. R. Brazzaville, 0430, good (Kusko)
- 9730 E. GERMANY RBI ID, no fq. anmt, 0145 in Ger (Pestor)
- 9725 MALAYSIA BBC Tebrau, Chinese nx 1000 (Wood)
- 9720 SAUDI ARABIA Riyadh, Azan 0310; sked 0100-0600 (Berghammer)
- 9710 NETH. ANTILLES T.R., 0335, DX Spec. (Pestor) Still Sat?(Ed.)
- 9705 ETHIOPIA ETLF strong w/Eng 1830-1900 (Padula)
- 9705 INDIA AIR 1230-1315 Tibetan; //11850 also hrd (Berghammer)
- 9700 BULGARIA R. Sofia 0400-0430 Eng, into Sp 0430(Caldwell)0000-0030 & 0400-0430 Eng
to NA(Rowell)Nx in Italian 1800(Padula)Letters 0810-0830(Olsen)0000(Soneff)0410
Eng (Kruse)
- 9700 JAPAN NHK 2215 Jap Ger Ser //15195, 17785-fab. condx (Berghammer)
- 9695 SWITZERLAND SBC 0445 to NA (Kruse) //11715 (Ed.)
- 9690 GREECE VOA/Thessaloniki 2130 Czech, QRN BBC, Vatican (Berghammer) New.
- 9690 VATICAN Vatican R. s/on Sp 0030 (Anthony)
- 9685 TAIWAN VOFC 0950 comm. in Jap QRN RAE 9683; 1012 nx in Jap, no QRN (Haitani)
- 9683 ARGENTINA RAE, 0940 mx, ann. in Jap; ann. Mon-Fri 0900-100 (Haitani)
- 9655 PERU R. Nor Peruana, OAX9G w/pops to 0500 s/off; not hrd nitely (Sparks)
- 9645 VATICAN 1815 w/Eng (Baines)
- 9640 W. GERMANY D-W, Cologne nx in Eng 0135(Banta) 0130 dly Eng to NA(Pestor)
- 9640 S. KOREA KBS Seoul 0950, tlk in Jap (Haitani)
- 9635 PORTUGAL E.M., NA ser //6025, 11935 at 0340 (Wood)
- 9630 CANADA CBC Pac Ser, ex-9625 to avoid VTVN, 0830 (Wood)
- 9625 ISRAEL 2000, Eng b'cast, very good (Baines) Hx 2120 (Boggus)
- 9620 YUGOSLAVIA R. Belgrade 2200 Eng //6100, 7200, S-9 to 2215 (Berghammer)
- 9615 COSTA RICA TIRICA, La Voz de la Victor pop mx 0515 to 0601 s/off, clear IDs(Mayo)
(Sparks) Evid. new hi-powered trx; ID 0230 (Wood)
- 9610 AUSTRALIA VLX9 Perth w/nx & mx 1330 to past 1430 (Bacon)
- 9600 ASCENSION IS. BEC Atlantic Relay, 0500 (Kruse)
- 9600 MEXICO XEYU, Universidad Nac., 1930 w/soft mx (S.Kamp)
- 9590 NETH. ANTILLES R. Ned. 0143 DX Juke Box, str. w/low het(Mayo)0130-0210(Soneff)
(Kruse)
- 9590 CHILE R. Pres. Balmaceda excel lvl from 0010 w/Sp & pops, some US (Miblack)S/off
0505, no anthem(Palmer)Sp ID, no Eng or Ger, 0500 s/off (Sparks)
- 9585 FRANCE ORTF, new fq. to Polynesia, relay France-Inter 0600 (Wood)
- 9580 AUSTRALIA ABC at 1215;powerful 3/30; 3/31 barely hrd (Michalenka) NA ser, s/off
1315 (Upton)
- 9580 MALAYSIA BBC, Tebrau, local ID, WS, 1715 (Wood)
- 9570 SPAIN REL, Madrid, Sp ID, to LA 0230 (Wood)
- 9557 JORDAN Amman w/Eng to Eur 1645, into rel pgm 1700; QRN Iraq 9555-IRN 9560(Padula)
1800-1830 s/off; from 9530 temporary, acc. to letter (Berghammer)
- 9555 PHILIPPINES VOA/Malolos, 15 min, Eng ID 1700 (Wood)
- 9550 ETHIOPIA ETLF new freq; v.g. in Eng & Swahili 1730-1755 (Padula)Eng nx 1700(Wood)
- 9549 CHILE R. Valentín Letelier, Valparaíso, s/off 0318 (Wood)
- 9545 CUBA RNC 0230 Eng, reading Pueblos crew letters, strong (Glover)
- 9545 GHANA Accra, 2045 nx in Eng (Petric)

- 9540 CZECH'KIA R. Prague, 0330-0425 Eng to NA //7345 (Rowell)
 9540 GREECE VOA/Thessaloniki 1730 Russ.; clear (Berghammer)
 9525 JAPAN R. Japan 1200-1230 Eng, into Jap (Upton)
 9525 MONACO Norea R., Monte-Carlo, Norwegian 1700(Wood)From 9575(Berghammer)
 9525 CUBA Hanoi via Havana 0210; does it count?(Anthony)Counts as Cuba(Ed.)
 9520 PERU R. La Cronica again being hrd, thru QRM 0545, 4/4(Sparks)Nx0200(Wood)
 9520 PAPUA Port Moresby, ABC nx 0600 (Wood)
 9510 ALGERIA RTF Alger, mx 0900; Fr(Petric) Fr ID 1700 (Wood)
 9505 DOMINICAN REP. Sto. Dom. 0130-0245 Eng pgm(tape)Sp/Eng ID 0200(Caldwell)Mx in
 Eng 0345(Bacon)Rel 0150-0220//6090(Field)"R.Quisqueya Internacional", end Eng
 into Sp 0225(Wood)0330 Eng ID (K.Kamp)
 9505 JAPAN NHK 1000-1030 Eng nx & comment (Barman)
 9500 E. GERMANY R. Berlin Internat'l nx Eng 0100 (Banta) 0100-0145 (Soneff)
 9475 EGYPT R. Cairo w/listener's mail 0235, Eng(Banta)Sked Sp 0100-0200; Eng 0200-0330;
 Arabic 0330-0430(Palmer)0200-0230 t/o(Soneff)
 9418 RYUKYU IS. V.U.N.C., Deragawa 1625 in Korean, snatches of lt. mx (Palmer)
 9380 KAZAKH SSR Alma-Ata, setting-up exercises, lady ancr & piano 0015 (Baines)
 9020 CHINA R. Peking 0954 Chinese, HS; 2nd. pgm (Palmer)
 9009 ISRAEL Kol Israel 1830, mx, Yiddish (Petric)
 9008A ISRAEL Kol Israel, Jerusalem 2115 w/nx & interview; strong (Mas)
 7580 CHINA Peking in Russian 1720 (Wood)
 7435 CHINA Peking w/Russ., jammed, //7580; 1720 (Wood)
 7285 RHODESIA RBC, Eng nx, 0500, not sked this time this fq. (Wood)
 7275 CEYLON VOA/Colombo 4/4 0410 "Attention; all relay sta, play no tapes"; pgm on
 Martin Luther King foll. (S.Kamp) Extended sked not list (Ed.)
 7273 NIGERIA V. of Nigeria, Lagos, drifting, Eng nx 1800 (Wood)
 7270 S. AFRICA R. RSA 2330-0320 Eng to Atlantic Islands new from 3/15(Caldwell)Good
 QSA, but ARO/QRM; //6075 + reg 9705, 11875 (Thornton)NA(states "Atlantic Islands")
 2325-0320(Wood)
 7268A INDONESIA (Java)YDB3, Djakarta 1440-1445 M. in Indonesian nx(?) (Palmer)
 7265 W. GERMANY Sudwestfunk 0645 Ger; R. Albania (Berghammer)
 7265 ALBANIA Tirana Calling, nx 1230-1240 Eng. (Olsen)
 7260 MONGOLIA R. Ulan Bator 1015 w/talk in presumed Mongolian; IIs 1030 (Padula)
 7250 SINGAPORE R. Singapura, 1440-1445 M. in Malay (Palmer)
 7243 ANGOLA Emissora Oficial, drift, or test new xatry; s/on 0500 (Wood)
 7235 SYRIA Damascus 0345 Arabic; BBC QRM, net; sked 0400 s/on (Berghammer)
 7230 S. AFRICA Afrikaans Ser., class. nx 1750 (Wood)
 7210 SWITZERLAND IRC test pgm, 1700 3/20 Eng/Fr/Sp(Petric)2300-0000 (Michalenka)
 7195 S. AFRICA Springbok R., Alka Seltzer ad 1815 (Wood)
 7195 LIBERIA VOA/Monrovia, 2345 Eng s/off, 3/21(Michalenka) Sked to 2400 (Ed.)
 7190 AUSTRALIA R. Australia 0815-0930 beam to Asia/Pac., Eng. (Sia)
 7185 S. AFRICA 1830-1900 Eng nx, comment(Sia) SIA Ser. (Ed.)
 7178A LIBERIA VOA/Monrovia 0730-0800 3 times wk. Eng, nx pgms(Sia) Is 7175 sked(Ed.)
 7173.5 S. VIETNAM VTVM, Saigon, Viet. nx 1000 (Wood)
 7170 RHODESIA RBC Skona nx 0500; not sked this fq this time (Wood)
 7155 JORDAN R. Amman 0345 Arabic (Berghammer)
 7150 INDIA AIR Gauhati 1130 Hindi chanting (Berghammer)
 7125 ALBANIA R. Tirana 0448-0458 s/off Eng w/Peking anthem; said to NA (Palmer)
 7121 ALBANIA Tirana, Eng to Afr., fq. varying, 0430 (Wood)
 7115 MOROCCO RTM, Sebba-Aioun, Arabic ID for R-bat 0730 (Wood)
 7110 USSR (Omsk list) IS 1230, Chinese to Sinkiang(?) (Berghammer)
 7010 CHINA R. Peking 1630-1900 in Ger. w/Chin. nx; nx; S-10 (Sia)
 6610 CHINA R. Peking, 2030 pol comm. in Eng. (Petric)
 6540 N. KOREA Pyongyang, 1900 pol comm. in Eng. (Petric)
 6345 CHINA R. Peking HS 1200 Chinese//7095 (Berghammer)
 6290 CHINA Peking, Persian service 1600 (Wood)
 6280 SOMALI R. Mogadishu, briefly here, Somali ID 1700 (Wood)

- 6250 FERNANDO POO ER61, Sta. Isabel 2100 Sp. (Berghammer)
- 6250 N. KOREA Pyongyang, HS s/off w/anther 1700 (Wood)
- 6210 CHINA Peking w/Hindi se. 1600 (Wood)
- 6208 COSTA RICA R. Reloj back here 4/2 now s/on 1200 instead of 1100; usual good sig (Padula) Back after period on 6067; ID 0300 (Wood) 6207, 0545 in Sp (Glover)
- 6203 TUNISIA (Tent.) R. Tunis 2100 Arabic QRMing Tirana 6200, S-9 (Berghammer)
- 6200 ALBANIA Tirana w/Arabic, c/down 2025 w/anther (Padula)
- 6195 CHILE R. Corporación, Santiago, nat'l nx 1000 (Wood)
- 6195 HAITI R. Haiti has returned, currently good 2300-2400, w/lt. mx, Fr (Hiblack)
- 6195 S. KOREA Christian Bc. St., Seoul, Korean nx 0930 (Wood)
- 6190 MOROCCO RTVI, Rabat, 2100 Arabic under Vatican (Berghammer)
- 6185 BRAZIL R. Bandeirantes, S. Paulo 0025-0335 Port, "saudade" mx (Palmer)
- 6175 BRAZIL R. Guarani, Belo Horizonte 0542-0550, typical Braz. mx (Palmer)
- 6170 ANGOLA Emissora Oficial, new fq.; Port nx 1700 (Wood)
- 6170 VENEZUELA R. Nacional 0100 nx, 0115 ID, foll. by Eng/Sp lesson (Field) Concert mx, ID & s/off 0400 (Sparks)
- 6170 MOROCCO (Tent.) Arabic spkr at 2345 thot to be Rabat in a move (Hiblack)
- 6170 S. KOREA "Voice of the Korean Army," Seoul s/on 1200 w/ID Eng & Korean, then mxal pgr; requests reports; good signal (Padula)
- 6160 COLOMBIA R. Nueva Granada potent around 0800; now 24 hrs. (Padula)
- 6155 JAPAN FEN 0825 Eng w/US port nx, strong (Glover)
- 6155 IRAQ Baghdad, Azan (call to prayer) 0330 (Wood) 0300 Ar. (Berghammer)
- 6155 AUSTRIA R. Austria 0629 IS "Blue Danube" 0630 Ger/Eng/Fr ID to Eur (Palmer)
- 6150 CHINA R. Peking 1200-1230 Caribodian, covering ABC (Berghammer)
- 6150 ENGLAND VOA/Wooferton, Greek 1700 (Wood)
- 6148.5 TUNISIA R.T.T., Tunis, s/on Arabic 0458 one nite; fq varies (Wood)
- 6145 NIGERIA (E.) V. of Biafra, good lvl but het, Eng nx 0600 (Pistek)
- 6140 COLOMBIA R. El Sol, Cali, 0617 "Noticiario Panorama", many IDs & ads (S.Kamp)
- 6138 TAHITI R. Tahiti 0640 Fr; sked Sun. (local) 0500-0800 (Palmer)
- 6135 PERU R. Pasco, peticiones, 0430; Havana now off (Wood)
- 6135 POLAND R. Warsaw w/Eng b'cast 2130 (Baines) To Eur (Ed.)
- 6130 GHANA R. Ghana 2200 Eng to W. Afr; CHNX QRM (Berghammer)
- 6130 SPAIN RFE, Madrid fair 0305 w/nx, mx (Venna)
- 6127 CONGO D.R. Kasai, Luluabourg 0430 Fr; hvz Brazil QRM (Berghammer)
- 6125 BELGIUM RTV Belge 0035 nx Fr; mx 0052; unlist WRTM (Palmer)
- 6120 MEXICO XETS, Tapachula, s/off 0500 (Wood)
- 6120 ARGENTINA LRE1 vy excellent w/sport event from 2355, one ID (Hiblack)
- 6115 MOZAMBIQUE R. Clube L.L. "A" Pgm., Port ID, songs 1720 (Wood)
- 6115 COLOMBIA LV del Llano, Villavicencio, Todelar Net. ID 1010 (Wood)
- 6115 MEXICO XEUD3 yXEUS 0130-0200, Sp w/cultural sub. & class. mx; fine (Caldwell)
- 6100 HAITI R. Lumiere, Les-Cayes, s/on 1000 dly (Wood)
- 6097 SOMALI REP. Mogadishu, now here, Eng 1730 (Wood)
- 6090 DOMINICAN REP. HISD 2300A w/Eng rel 2305 comp Eng ID, // fq. (Hiblack) 0330 Country 1x (De Smith) Prague s/on 0157 (Mayo) ID w/letters "HISD" (Michalenka)
- 6085 W. GERMANY Bayerischer Rundfunk, München; nx in Ger 0500 (Wood)
- 6080 CANADA CFCK, Vancouver, B.C. in clear 0800; IDs for CKMX; low (Pistek)
- 6075 S. AFRICA R. RSA 2330-0320 Eng to NA, started 3/15 (Caldwell) // 7270, 9705, 11875 for NA (Wood) 2330-0025, mod. QRM (Barman)
- 6070 BULGARIA Viet war prop in Eng 2130 (Baines)
- 6070 CANADA CFBX 2110, ID for CFB (Kruse)
- 6068.5 CUBA Havana, drifting from 6060; Sp ID 0400 (Wood)
- 6065 SWEDEN R. Sweden w/DX pgr at 1030 in Ger (Petric)
- 6060 ZAMBIA Zambia Bc. Ser., mx 0335, 3/21 (Rasin)
- 6060 ARGENTINA R. Mac., B. Aires, s/on w/anther 1000 (Wood)
- 6058 HONDURAS R. Centro, Tegucigalpa, world nx 1230 (Wood)
- 6050 MOZAMBIQUE RCM, L-L 0400 Eng, hvz VOA splatter; hrd Tnx Al Hiblack via DEC WRC (Berghammer)

- 045 PANAMA LV del Barú, David, abrupt s/off 0400 (Wood)
- 6037 COSTA RICA TIPC Faro del Caribe 0300 into Eng. rel. nitely (Field)
- 6035 MONACO R. Monte Carlo 0500 s/on //7135(better) Fr. (Berghammer)
- 6030 W. GERMANY Süddeutscher Rundfunk, Stuttgart, ID as "Südfunk 1" 0455 (Wood)
- 6030 CANADA V. of Prairies, Calgary Holiday Inn ads 1000 (Wood)
- 6028 PHILIPPINES FEBC, Manila, ID for DZAF, 680 kc, 1000 (Wood)
- 6025 ANGOLA R. Angola w/Port. songs clear after Lisbon s/off 2130 (Padula)
- 6025 W. GERMANY DM, Czech ser., no longer jammed, 1645 (Wood)
- 6025 PORTUGAL R. Port. DX club 0213(Tues.GMT) 0227 "Ode to the Transistor" (Mayo)
- 6015 S. KOREA KBS, Seoul 1130 Korean II Pgm HS shed 6035, which is covered by Vladivostok (Berghammer)
- 6015 HAITI LV Rev. Duvalieriste, 0215 4/5 w/editorial in Eng; good sig.(Mas)
- 6000 BRAZIL R. Inconfidencia 0830 Port. ID, talk, rx; list 0300 s/off (Glover)
- 6000 VENEZUELA R. Miranda mixed w/R. Américas at 1045 (Padula)
- 5980 LEBANON LBS, Beirut 0430 s/on Arabic; 5-8 and clear (Berghammer)
- 5980 GUYANA R. Demerara w/s/on 0910, rx, IDs at 0912(Dexter)Rel. pgm 1000, ID 1015, Eng, f/o by 1100(Padula)
- 5955 GUATEMALA TONA, R. Cultural rel. pgm 0440, sp. (Santa)
- 5954 COSTA RICA TIQ, R. Casino ID, s/on 1100 on Sat.(Padula) 0501 Enc. (Santa)
- 5935 CHINA Peking, Hindi, s/on 1600, 1700 (Wood)
- 5925 UZBEK SSR Tashkent, Uzbek rx 1650 (Wood)
- 5917 N. VIETNAM Hanoi, HS, new fq., s/off w/another 1700 (Wood)
- 5170 CHINA Listed as Fukien 1305-1315 w/YL in lingo; FB lvl. (Miblack)
- 5120A ECUADOR R. Centinela del Sur, Andean rx; full ID 0600 and s/off (S.Kamp)
- 5090 HAITI R.Grande Anse orch. rx & IDs in Fr; usually hrd Sat/Sun, s/off 0130 Sun. (GMT) (Peters)
- 5075 CHINA R. Peking 1314 Chinese, HS (Palmer)
- 5060 ALBANIA Tirana w/IDs, into Russ; ID "Govorit Tirana", fair lvl (Padula)
- 5050 VENEZUELA R. Cultura, pop rx & ID, 0400 s/off (Sparks)
- 5047 INDONESIA (Java)Djogjakarta vol. tlk 1030 (Peters) 1316 N. w/rx (Palmer)
- 5047 TOGO R. Togo, Loné, str. instr. IS 0528, s/on hwin 0530, into Fr. rx, rough(Hirst)
- 5045 BOLIVIA R. Altiplano, MA & LA rx, annts & ads 0502(Palmer) In Aymará, 1000(Wood) 0240 Sp., rx pgm, poor w/Ute GRM (Glover)
- 5045 PORT. GUINEA Bissora de Guine closing 2400, slightly up from here, where makes a "pretty" het. from a Brazilian also here (Miblack)
- 5042A COOK IS. R. Cook Is. 0447 tune w/Maori tlks; 0500 Eng pgm, 0600 Maori; vv weak after 0500; no RITTY QRM; 4/12(S.Kamp)5043, 0510 rx pgm, weak/poor 4/5 (Glover)
- 5042 PERU R. Los Andes, Lima, s/off 0430 (Wood)
- 5035 CENTRAL AFRICAN REP. Bangui, Fr. talk 0500 (Wood)
- 5030 INDONESIA (Sumatra) RRI Medan 1318 N. w/rx, prob. relay Djakarta(Palmer)
- 5030 VENEZUELA R. Continente, 0240 Sp. & LA rx, easily hrd.(Palmer)
- 5016 USSR (As.) Vladivostok 1318 Russ., HS pgms (Palmer)
- 5015 GRENADA TBS vv wk, ID 2230, s/off 2245; weaker than//3280, 11970 (.istek)
- 4990 NIGERIA BL- 2200 w/pops; this IS stronger than VON O'seas Ser.(Fistek) 2200 Eng. (Baines) Afr. rx, Eng; s/off 2305 (Barman)
- 4990 CHINA Changsha, 1322 NEW in excited Chinese (Palmer)
- 4980 GHANA R. Ghana 2245, rx in Eng (Baines)
- 4975 CHINA Foochow, 1323 in excited Chinese; evid. beamed to Taiwan (Palmer)
- 4970 ECUADOR R. Tarqui, 1015 in Sp; 24322 (Pestor)
- 4970 MALAYSIA (Sabah) Note de Jesselton says this is fq., not 4960 list FBIS (Field)
- 4970 VENEZUELA R. Rumbos 0130-0203, pops, ads(S.Kamp) 0941 "wake-up" pgm (Palmer)
- 4965 COLOMBIA R. Santa Fé, 0632 ID (Mayo)
- 4960 VENEZUELA R. Sucre anthem at 1005 s/on; hrd again 0250, LA rx (Palmer)
- 4950 HONDURAS HIRE R. Juticalpa 0016 ID hrd, foll. by rx pgm(Field)
- 4950 VENEZUELA R. Coro ID 0305, ads(Palmer)ID 0344, fiesta(?)s/off list 0300(Kauser)
- 4950 MALAYSIA (Sarawak)(Tent.) R-11 1305-1315 in lang at fair lvl.(Miblack) lushing 1405 Eng rx of GEA, M&F ancrs. (Palmer)

- 4945 S. AFRICA SABC 2230 ID Afrikaans; vy str. on transistor rx (Pistek)
 4945 COLOMBIA R. Colosal, Neiva, HJDM 0550, always audible after sundown (Palmer)
 4940 VENEZUELA R. Yaracuy, San Felipe, 0310 non-stop LA "ritmos", ID 0347 (Palmer)
 4937 PERU R. Tropical, all-Sp, s/off 0400A; list 4935, measured here (Niblack)
 4920 AUSTRALIA VLT4 Brisbane 0833 M. w/nx (Palmer)
 4915 BRAZIL Radio Cultura de Araraquara, ID 0935 (Wood)
 4915 GHANA Eng recordings 2200 (Baines) Nat'l Ser, home nx 0600-0610, Eng (Banta)
 4912.5 GILBERT & ELLICE IS. extended sked Apr. 3,4, s/off 0900, vern pgm, Eng ID at s/off; str(Padula)Tarawa w/many IDs & time Chex, old US mx & Isl. mx 4/12; s/off 0902, no anthem(Hirst)Comes on 0700, chines IS & breaks, Eng/nat. arnts; til past 0830(Sparks)Good 0740 tune 4/12; Eng records to 0800; nat rx, many IDs(if.Kamp) Chants 0845(Wood)4/13 4 notes on gong IS; many IDs (S.Kamp)
 4912 DOMINICAN REP. R. NIN, Sto. Domingo, ID 0500 (Wood)
 4911 ECUADOR Eris. Gran Colombia 3/17 w/"Spec." in Dutch, s/off 0625 that day (Peters)
 4900 GUINEA Conakry, IS 0655, s/on 0700 (Wood)
 4900 ECUADOR La Voz de Saquisilí, noted once past 0600 to abrupt off 0625 & only open carrier (Dexter)
 4899.4 VENEZUELA R. Juventud 0315 Sp pgm w/cmls.; good (Glover)
 4897 PERU R. Chanchamayo, La Merced, full ID, s/off 0400 (Wood)
 4890 PAPUA VLT4, Pt. Moresby 0940 Eng, blocked by YVKB 0945, partially audible thru carrier (Palmer)
 4890 VENEZUELA YVKB R'dif. Venez., s/on 1000 w/ID etc, carrier on 0945 (Palmer)
 4890 SENEGAL R.Senegal II, IS Afr instr. 0558, s/on Fr, Moslem prayer 0602 (Palmer) 0610 Arabic chanting, poor w/Ute (Glover)
 4890 HONDURAS HWL, R. Luz, Olanchito, 1150, M. tllking; cut by VLT4 (Field)
 4887 VENEZUELA R.Liberto, La Voz Amiga de Venez.; pop rx, time chex ID 0259;ncw?(S.Kamp)
 4886 BRAZIL Radiodifusora do Acre, Rio Branco, time chex 0400(EST) (Wood)
 4885 BRAZIL R. Cultura de Pocos de Caldas 0841-0940 Port & Braz. wake-up rx; ads for morning use (Palmer)
 4875 S.AFRICA R. So. Afr. HS, open 0430 into Afrik., usual format (Niblack)
 4872 INDONESIA(W.INDIAN) ID RRI Scrong 1230, vy str., cont. in lang (Pistek)
 4872 GUATAMALA R. Santa Cruz, w/Sp lesson at 0100, s/off 0130, 3/7 (Peters)
 4870 DAHOMEY Cotonou excel lvl on extended sked Sat. only, 2300 s/off; Fr, many pops (Niblack)Rx sel. 2130(Baines)0602 Eng lesson, 0615 ID(Dayo)0630"Ici Cotonou"(Palmer)
 4855 NIGERIA Biafra excel lvl, Eng rx 2200, into pops; 6145 better at 0500 (Pistek)
 4855 INDONESIA(Sumatra) RRI Palembang 1413-1420 nx(?) (Palmer)
 4850 LAURITANIA Arabic chanting & arnts. 2100A; good (Padula)
 4850 MAURITIUS M.B.S., Forest Side, BEC nx 1800 (Wood)
 4846 BOTSWANA BEC Francistown, Eng nx 1700; now off the air (Wood)
 4845 MALAYSIA R. Malaysia, Kuala Lumpur 1420 Indian-type rx & lang(Tamil?)(Palmer)
 4839 CONGO D.R. Bukavu, Afr rhythms 0410 (Wood)
 4835 MALAYCIA R. Malaysia-Sarawak 1425 Iban lang, guitar rx; Country/Rest. mx 1431 (Palmer)
 4835 MALI R. Mali 0430, rx pgm (Field)
 4820 HONDURAS HWL Eng nx 0330, rel pgm & Eng s/off 0400, 3/26(Sparks)S/off Eng 0405 (Wood)0330-0400 s/off "Inspir. Time"(Upton)0315, fair(Kusko)
 4815 UPPER VOLTA Ouagadougou balafon IS to 0600, ID, anthem, s/on Fr (Pistek)
 4810 VENEZUELA R. Popular 0425 spec. b'cast by Min. of Interior foll. riots; IDs for all outlets, 0440 s/off (Palmer)
 4807 REUNION IS. GREY from as early as 1500; strong, s/off 1830 (Padula)
 4807 ECUADOR R. Popular, La Voz Americas, loc. unkown ms & IDs from 0525 t/i to past 0600 (Dexter)0535 Sp tllk & mx, fair; list 4810(Glover)Maracaibo list(Ed.)
 4800 VENEZUELA R. Lara rx & ID 0207 (Dexter) List for 4940 (Palmer)
 4795 USSR(As.) Ulan-Ude, bilingual ser, s/on Buryat/Russ. 1000 (Wood)
 4795 BURMA KZK2 Rangoon 1350 Burmese lang & rx; 2nd. Pgm. (Palmer)
 4789 COSTA RICA(Tent.) R. Popular seems to have moved here; hrd 0407 past 0430(Dexter)
 4781 COSTA RICA R. Popular San José s/off 0400 (Wood) Need dates on these (Ed.)

- 4775 BOLIVIA R. Los Andes, Tarija, full ID before s/off 0400 (Wood)
- 4770 LIBERIA ELMA Monrovia, 2200 Eng (Baines) 0702 relay BBC nx (Palmer)
- 4770 ECUADOR R. Trópicana, Quito, apparently new; noted 0442 to abrupt s/off 0512; no call noted (Dexter)
- 4765 CONGO REP. R&TVC, Brazzaville strong lvl 0500 in Fr. w/ID (Hiblack)
- 4760 PERU R. Tingo María, ID as "R.T.M., La Voz del Progreso" 0400 (Wood)
- 4755 BOLIVIA Radioemisoras Bolivia, Oruro, live show 0400 (Wood)
- 4755 INDONESIA (Celebes) RRI Makassar 1330 mx infl. by India; 1345 Indonesian pop tunes (Palmer)
- 4743A ECUADOR R. El Progreso, IDs 0515, 0600; assigned 4735(S.Karp) V. from 4725 (Ed.)
- 4680 ECUADOR R. Mac. Espéjo, Ecuad. mx, def. ID 0540; not 4680 as WTH(Palmer) 4680A 0434 ID; Ecuad. mx & annts(I.Karp) 4679A, w/ads & sound effects (will not quite zero on 4680) (Hirst)
- 4610 USSR (As.) Vladivostok 1330 Russ. & concert mx; IS pgm (Palmer)
- 3975 ENGLAND BBC, Eur. Ser. IS 0555 (Wood)
- 3940 HONG KONG R. Hong Kong 1100-1200 Cantonese mx, comment; weak, hvy JRN (Sia)
- 3925A N. VIETNAM (Tent.) R. Hanoi(?) 0900 Eng, nx re US/Viet, weak, QRM, QRM JOZ (Sia)
- 3918 S. KOREA KBS, 1100-1200 mx, comment in Korean, poor sig, hvy JRN (Sia)
- 3910 JAPAN FM 1030-1130 Eng, western mx; nx on hr, also 1500-1700 (Sia)
- 3777 IRAN Tehran, Persian nx 1630 (Wood)
- 3569 ECUADOR La Voz del Rio Carrizal, 0100A w/variety of mx; occ. Ute QRM (Dexter)
- 3396 RHODESIA RBC, Gwelo, 3/25, nx in Eng. 0400 (Field)
- 3390 ECUADOR R. Maracay, 1000 in Sp.(Pestor)0730, Sp; 24 hr now?(Palmer)
- 3385 NEW BRITAIN IS. R. Rabaul, choir mx 0805 (Sparks)(Tent.) Eng nxcast 0900, QRM out 0914, by Cayenne s/on; w/ hvy noise (I.Karp)Noise like summer already! (Ed.)
- 3385 FRENCH GUIANA ORTF, Cayenne, s/on 0914 (Wood)
- 3377 JAPAN NHK, Osaka, Eng. lesson 1025 (Wood)
- 3375 DOMINICAN REP. R. San Juan, poor sig, vocal mx; time, ID & s/off annts 0502, anthem, off at 0504 (S.Karp)
- 3365 VENEZUELA R. Occidente, Tovar, local ads 1025 (Wood)
- 3365 DOMINICAN REP. R. Exitos, HIERL, 0303-0321 mx, ads, IDs(Mayo)0250 Sp.(Jacobson)
- 3335 NEW GUINEA R. New Guinea 1130, Pidgin w/country mx; comp. Lnc ID 1230 s/off (Fistek)
- 3331 COLORES IS. ORTF, Dzaoudzi, nat. chanting around 1900, reg. in winter (Padula)
- 3322-5 BOUGAINVILLE New sta R. Bougainville, am. 3 hrs, req. reports; call VL9BA, testing. Str. sig; in vern w/Eng ID 1030. s/off 1245, but varies; in Solomon Is. group(Padula) What town, Bob? Note Sol. Is. under Brit. Adm., but this under New Guinea Admin. New country? (Ed.)
- 3306 RHODESIA RBC fair/good, Eng mx 0400, "9 past 6" at 0409; not hrd 3396 (Fistek)
- 3305 PAPUA R. Daru, 3-6 w/country mx, IDs lang 1130; pos. ID 1200 s/off(Fistek)
- 3295 INDONESIA (Borneo) RRI Samarinda, Indonesian talk 1220(Wood) 3294, song of inspiration 1257; abrupt off 1304; 3/24, 3/30 (Hirst)
- 3280 GRENADA WEBS mx, Eng, 0115 (Bunta)
- 3277 INDONESIA (Java) YDD Djakarta, superior lvl around 1400 (Padula)
- 3268 PORTUGUESE TERR. Dili w/Port. mx, s/off w/anthem 1430; 5 rpts in 18 mos., still no luck (Padula)
- 3255 LIBERIA ELBC w/Eng rel. pg 0447 tune (Dexter)
- 3250 S. AFRICA R. So. Afr. as early as 2330, Eng/Afrik., many ads, great lvl, plenty power here(Hiblack) All Night Ser, mx 0245 (Hirst)
- 3240 IRAN Baghdad at 1700 w/talks in Farsi; strong lvl (Padula)
- 3235 PAPUA TERR. R. Milne Bay ID 1030; s/off now 1230; prob. 250W, not sure(Padula)
- 3232 INDONESIA (Sumatra) Bukattingi reg. around 1330 w/Indon. talk (Padula)
- 2446 REUNION IS. ORTF again as winter approaches; 1700, talk in Fr. (Padula)
- 2440 INDONESIA (Java) Surakarta (1 kW) w/local ID at 1430; v.g. (Padula)
- 2350 INDONESIA (Java) Djogjakarta regional, good for 1 kW at 1410 (Padula)

!!! IDENTIFIED !!!

- 15225 (Mar.) R. Liberty, Spain, Turkestani 14/45 (Berghammer)
- 9655 (Mar.) R. Nor Peruana "Oriental" 1145; nat. Ind. lang like Malinese!(Berghammer)
- 7115 (Mar.) 0425 Arabic, poss. Seb.-Aicun, Morocco hrd 0700(Padula)Morocco (Berghammer)
- 5060 (Mar.) Albania in Russ. after IDs to 2125 s/off (Padula)
- 3322 PAPUA & N. GUINEA Unid. new sta, Pidgin, 1000 (Wood) See this month (Ed.)

??? UNIDENTIFIED ???

- 11818 Unid. Arabic sta. stronger than RFE (Berghammer)
- 11730 0730 Sun. Arab/similar lang armts w/rx when Ned. off, f/o 0815; Iran?(Padula)
- 11530 USSR; what is QTH of this and//11630, strong 1130A(Berghammer)
- 10023 Clandestine, should be Libertad, but freq. ref. to Spain; overmodulated(Berghammer)
- 9695A ID nat. instr. to 1500, ID YL Fr.(?) like "Ici Phnom-Penh"; Cambodia?(Pistek)
- 6250 Unid. LA sounds like QTH Colombia, but no positive ID 0300 (Berghammer)
- 6189 Unid. RFI sta., local pg: 1000 (Wood)
- 6145 Unid. Arabic spltr. around 2215, also 0600 (Padula)
- 5970 Unid. Oriental mx. AIR, RFI and R. El Sol all sked (Berghammer)
- 5030 Unid. in Malay or Indonesian 1245-1300, seemed to cont. in Eng one day; Malaysia sked all Eng; wrong time for Eng lesson on RFI; Medan or Malaysia?(Hirst)
- 4932A Unid. Indonesian 1300-1330a hvr "vaquero" QRM; poss. ID 1330 "Tndjung Pinang", list 4931 RFI; Surakarta list 4930, Tanj. 4930V in FBIS; which?(Hirst)
- 4030 Unid. Russ. 0630-0700 talk in Oriental lang; 0700 Russ. "Govorit...", unknown IS, then R&W talk in Russ. Usually covered by RTTY. 4/9 (Sparks)

Our ranks have been very greatly diminished by the very untimely passing of W. G. (Bill) Graham. We always looked forward to reports and encouraging words from this Master DXer and real gentleman. We will miss him.

TEXT TO THIS MONTH'S REPORTERS

- | | |
|---------------------------------|--|
| Don Anthony, Conn. S-41 | Stan Mayo, Me. SP-600 JK-21 |
| Ray Bacon, La. HQ-180AC | Ludolph Penna, Pa. Zenith 15-U-246 |
| Fred Baines, N.S. 51-S | Bank Michalenka, N.I. GR-54 |
| John Banta, N.Y. SX-110 | Al Miblack, Ind. SX-100 HI |
| Greg Barman, Ill. Star Hoamer | Van Olsen, Ore. NC-190 |
| Bill Berghammer, N.Y. SW-4 | Bob Padula, Australia Marconi B-28 |
| Lee Boggus, Ga. SW-4A | Bob Palmer, Wash. HQ-160 |
| Dr. Bill Caldwell, Calif. SW-4A | Bert Pestor, Ont. HQ-145X |
| John De Smith, Minn. S-38 | Frank Peters, Ill. ITT-Mackay Marine 3010C |
| Gerry Dexter, Wis. HQ-180 | Arnold Petric, Austria Intercontinental |
| Marlin Field, Mich. SX-100 | Richard Pistek, Ill. Grundig 2260; Tr-Oc. |
| Art Clover, Wash. HQ-180A | Chas. Rasin, N.J. HQ-145A, SX-110 |
| Kanji Haitani, Ill. SW-4 | Sam Rowell, Wash. NC-190 |
| Glenn Hauser, N.F. HQ-160 | Licky Sia, Hawaii Heath HR-10B |
| Del Hirst, Texas HQ-100 | John Soneff, La. GR-54 |
| Norm Jacobson, Wis. SX-71 | Bill Sparks, Calif. HQ-180 |
| Mike Kamp, Texas HQ-140X | Jim Thornton, Calif. SW-4A |
| Steve Kamp, Texas HQ-140X | Tom Upton, Texas GR-64 |
| Steve Kruse, Ill. NR-600 | Luis Valdivieso, N.Y. 180XE |
| Jonathan Kusko, Mass. HA-63 | Richard Wood, Hawaii HQ-180 |
| Leslie Marcus, Ore. SW-4A | SCDX |
| Raymond Mas, N.Y. HQ-120X | TEXTIVE/RB |

Last minit NEWS/TIPS
All times are GMT

FLASH
.....



SHEET
.....

Last minit NEWS/TIPS
All times are GMT

AL NIBLACK-EDITOR, 420 SHELBY ST., VINCENNES, IND. 47591 (Deadline 23rd of Month!!!)
.....

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 4-4-1968

1-108 2-118 3-83 4-92 5-71 6-56 7-52 8-79 9-69 10-74 11-85 12-87 13-89
14-67 15-59 16-46 17-59 18-59 19-53 20-56 21-70 22-91 23-113 24-132 25-156
26-141 27-146 28-138 29-127 30-154 31-134 MEAN - - 92.4

PREDICTED: APR-117 MAY-117 JUN-116 JUL-115 AUG-113 SEP-111.

To the month's loggings:

- AFGHANISTAN: 15265 Kabul observed opening English at 1800 on a new fgy. (Niblack)
- ASCENSION IS: BBC Relay noted at 2100 in the African Svc with fair sigs. (Mas)(9580)
- BIAFRA: It may be possible to QSL this outlet via Tanzania as they just officially recognized Biafra and according to a newscast other countries may follow suit. (Macken)
.... According to Radio Sweden, Bulletin #962, Biafra recently ceased broadcasting.
- CONGO: 15245 Kinshasa heard around 0040, reported to be on 24 hour schedule. (Balbi)
- COLOMBIA: 4945 R. Colosal noted with native music, not S/off at 0500 as listed by WRTVH. (Mas, New York)
- COOK IS: 5042 (FLASH) R. Cook Islands logged first time ever here at 0447 tune in; from 0500 noted with a fairly readable signal in English, time checks, and recordings. (Mike Kamp, Texas) (Congrats Mike, thats an excellent piece of DX, Editor)
- COSTA RICA: Radio Relog in a recent QSL letter listed their new fgy as 6067. (Macken, Mass.) (Very late checks indicate the sender has returned to 6207, Editor)
- CZECHOSLOVAKIA: R. Prague quotes their sked effective 22 April to No. America at 0100 as 7345, 9540, 9630, 11990, 15365, and 17840. (Menna)
- ECUADOR: HCJB's DX Party Line is now every week, 2100 to Europe on Mondays, to No. America on Tuesdays 0230, and to the Pacific on Wednesdays at 0930. (Balbi) (Usual fgy's, Editor)
- GHANA: 9545 Accra S/on with English news to Europe at 2045, good level. (Mas)
- GERMANY(W): Die Deutsche Welle proposes a new transmitting site; projected are 24 xmitters of 500kW each at Illertal with 96 antenna masts. (SweCDXers)
- GERMANY(E): Latest schedule from RBI lists 9730 and 9500 for ECNA; and, for the WCNA, 11840 and 11970. (Macken) (Times, Editor)
- GILBERT & ELLICE IS: 4912.5 (FLASH) Voice of Tarawa found with fair sigs at 0740 tuning. Western records heard till 0800 with IDs and time checks. Has been noted with good signals on rechecks around 0735, new sked? (Mike Kamp)....The Voice of Tarawa heard with an English ID at 0735; their IS is 4 notes on a gong. Supposed to S/off at 0600. (Steve Kamp).... VTW2, Tarawa, has been noted coming on the air at 0700 the last three nights with ID in English and native, on new schedule. (Sparks).... VTW2 logged from 0715-0835 on new schedule, improved signals, identity often. (Balbi)
- JAPAN: 11750 FEN, Tokyo, S/off at 0805 closing down 10kW; at 0820 S/on again with 1kW, then only fair and parallels 6155; also fair level on 3910. (Balbi)
- KOREA(No.): Pyongyang noted 0800-0850 in English on 15520, and 6540, only fair. (Balbi)
- KOREA(So.): VOFK, 15130 observed with English 0600-0700, French 0700-0730, beamed to Europe, fair to good level. (Balbi) (Possibly have vacated 15430, Editor?)
- MALDIVE IS: 9552 The Maldive Island Broadcasting Service heard with strong signals at 0700-0900 in English, loggable in Bombay, India. (SweCDXers)
- MALAYSIA: 9660 Voice of Malaysia, Kuala Lumpur, new fgy, heard with English at 1030, and also at 1600, FLASHES Balbi, California.... Tebrau; BECFES, noted S/off at 0215 on 15345. Variation in sked? (Macken) (Mike, did you possibly mean 16435, Editor?)

More interesting news and DX tips on next page

MONACO: TWR noted S/on at 0630 with English religious Svc, moved from 7295. (Balbi)

MONGOLIA: 7260 (FLASH) Ulan Bator tentatively heard at 1045 with woman vocalist, then ID in Mongolian or Russian, heard till 1100. Fair level, some QRM. (Pistek)

MOROCCO: 15360 Rabat noted in a move to this freq, in Spanish, till 2400 S/off. Good level, some Arabic music also heard. (Niblack)

NORWAY: 11860 R. Norway observed to No. America at 0300 with English ID. (Mas)

PAPUA/NEW GUINEA: 3323A (FLASH) (Please see last month's FS) The station that I reported previously on this freq has been heard with definite ID for, "VL8AS, Radio Milne Bay", this on 4 April till past 1000. Still not quite positive of location though probably Samarai. Very probably what Bob Padula heard on 3235 was the same station testing, but as there is much RTTY QRM on that channel it may have necessitated QSY. Has any one else reported this one? (Bruce Churchill, California)....(Real fine on this one, OM Bruce, an exceptional piece of DX; to my knowledge, no one has reported or logged this one in the Continental United States though I noted a late overseas report that it is being heard, and on the freq approximately that you quoted, Editor) (Bruce also confirms that VTW2, Tarawa heard on extended daily schedule, till 0904 S/off, Editor)....Radio Rabaul observed weakly at 0900 with an English newscast on 3385. (Mike Kamp)....This outlet noted with an improved signal, news in English at 0800, climbs to best level from 0900-1030. (Balbi)....3335 VL9CD, Wewak heard at 1000 with English and lingo. (Balbi)

PHILIPPINES: FEBC, Manila, uses 11890 to replace 11855 to New Zealand and Asia with English time slot from 0900-1000. (Balbi)

PORTUGAL: 7130 EN, Lisbon logged with Portuguese at 0445 S/on, strong sigs. (Mas)

RHODESIA: Radio Jacaranda, the new commercial English language service of the RBC takes to the air on 1 April. No frequencies as yet available. (SweCDXers)

SARAWAK: 4835 Radio Malaysia Sarawak intercepted with a program in language, native music, IS, and an ID in English at 1230 by M, then possibly news in native. Fair to good level. (Pistek)

SO. AFRICA: Radio RSA will on 5 May initiate a broadcast to Australia and New Zealand at 1000 to 1100; and, 1200 to 1300 on 15220 and 17805. (Menna).... Radio RSA is looking for DXers in Europe for monitoring purposes. Members will receive report forms, IRCs, and etc. Prize contests will be arranged for these monitors. Address: Radio RSA, SABC, P. O. Box 4559, Johannesburg, So. Africa. (SweCDXers)....3995 (FLASH) SABC heard from 0400-0415 to Rhodesia-Zambia. (Balbi) (August, has SABC moved into the 80 meter band and did you intend to quote this frequency, Editor?)

SURINAM: 15450 (FLASH) Paramaribo heard from 2230-0530 S/off in Dutch, some English, ID in Dutch, with fair to good signals. (Balbi) (Editor's note: Identity given is, "This is the Surinam Broadcasting Corp., Paramaribo". Its pleasant to note an old friend returned to the air. This long mentioned rumor is no longer a fallacy but a fact)

TAIWAN: 15125 VOFC heard from 1700-1800 in French, 1800-1900 in English with a parallel of 9765, fair on both frequencies. Little Dragon Show in English 1030-1100 on 7130, 9655, 9685, 11825, and all frequencies at good readable level. (Balbi)

USSR (Estonia): (FLASH) 6085 Tallinn observed showing at 2059-2105 plus, under Munich. Changeover during this period from home to foreign service accomplished with IS, 12 tone pips signifying 12 o'clock at 2100 GMT, followed by Red Anthem, foreign service IS, and S/on with an ID. Bayerischer Rundfunk covers them, but still readable through the German outlet. (Calkin)....Minsk (Byelorussian) noted with a Radio Moscow Relay at 2300 in English to No. America. (Macken) (Frequency, Please, Editor)....17910A Radio Peace and Progress of Radio Moscow heard with news and commentary in English, 1130-1200. (Field)

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SILENT RECEIVER: This column for May is dedicated to the memory of Bill Graham of New York, whose sudden passing at the age of 35 leaves a deep void for all that knew him. He was a par excellence DXer and a friend to all.