

RADIO
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FEBRUARY - 1977

*P.O. Box 13
Liberty IN 47353*

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North American SW Association



SPECIAL *feature*



To those names listed below, we say WELCOME!! This is the second updater list of newcomers we have published since issuing the NASWA associate directory on the 1st of July 1976. We'll try to continue listing the names of newcomers every quarter. Meanwhile, we extend our heartiest welcome to those listed here, and the many more still not listed, but who have renewed for their second and subsequent years with NASWA. As before, we sincerely regret it if somehow we have omitted your name, but you are nonetheless appreciated as one of the family. Happy New Year to all!

Greg A. ACHENBACH, Denver
 Thomas W. ADAMS, Midland, MI
 E. R. Albright, San Diego
 Harold C. ALDERSON, Evansville, IN
 Brian ALEXANDER, Mechanicsburg, PA
 Ralph ALM, Kamloops, B.C.
 Charles BACHARACH, Stevenson, MD
 E. D. BAIR, Audubon, NJ
 Roy BACKMAN, Pollock Pines, CA
 Brian BAUMGARTNER, Ottawa
 James A. BEDELL, Atlanta
 L.P. BENJAMIN, Lompoc, CA
 Stephen J. BLACK, Toronto
 Wayne BLESSING, St. Paul
 Theo J. BOJARSKI, Buffalo
 Edward C. BOWERS, Magnolia, NJ
 George F. BROWN, Longniddry, SCOT.
 Paul BUER, Hialeah, FL
 Michael J. BUONSANTO, Milton, MA
 William B. CMM, Springfield, VA
 Ray O. CARLSON, Eldon, MO
 Central Tech Library, Tel Aviv
 Charles E. CHAMBERLIN, Lincoln
 Eric J. CHAYTOR, Oxford, NJ
 John V. CHESLEY, Baltimore
 Hans Christensen, Melrose, MN
 John A. CLARKE, Chicago
 Anthony A. CLIFT, Campbellville, ONT.
 Randall E. Cook, Stowe, PA
 Geo. A. COPPEN, Winnipeg
 James W. COWGILL, Springfield, VA
 Douglas CRAFT, Lakewood, CO
 Frank L. CRUM, St. Louis
 Randall A. CZAPLICKI, Satellite, FL
 David E. DENBOW, Temple City, CA
 Jeff DOBERSTEIN, Bloomington, MN
 Adie DURDEN, Albany, GA
 Don DUTCHYSHEN, Red Deer, ALTA
 William T. DYMOND, Latrobe, PA
 Eastridge Radio Club, Rochester, NY
 Vern ECK, Minneapolis
 Russell A. Eisenberg, Milwaukee
 G. C. EWING, Woods Hole, MA
 W.T. FARMERIE, Ste. Genevieve, QUE.
 John FINDLATER, Universal City, CA
 Robert FLECK, Oak Park, IL
 Gary FOWLER, Islington, ONT
 Barry FRAJER, New York
 Robert FRASER, Cohasset, MA
 Michael FREEMAN, Lexington, KY
 Richard G. FULLER, SO. ZANESVILLE, OH
 Danton GALLAGHER, Denton, TX
 Gary M. GANS, Philadelphia, PA

R. M. GARRISON, Houston
 De Pestel GEORGES, Belgium
 Wayne D. GILBERT, Noblesville, IN
 Mark GODFREY, Broomfield, CO
 Rabbi S. GOLDMAN, Chicago
 James GOLDSWORTHY, LaVale, MD
 David GORDON, St. Louis
 Gene GRAP, Rutherford, N.J.
 Malcolm HALLAM, Auburndale, FLT
 Steven HANDLER, Northfield, IL
 John HARI, Wethersfield, CT.
 Tom HARTNETT, Canton, MA
 Harry HARTSELL, Lompoc, CA
 Samuel HATCHER, Lexington, KY
 Robert HAYES, Hillsdale, MI
 Charles L. HEDGEC, Lexington, KY
 Richard HESS, St. Petersburg
 Lynn HILBORN, Toronto
 Horacio HINOJOSA, Monterrey, MEX.
 Greg HOBAN, Carichael, CA
 Robert HOFFER, Schenectady
 Emmett HOFFMANN, St. Louis
 Darryl HOLLAND, Bronx, NY
 John HOOPERHEIDE, Brandenburg, KY
 Michael HOUSE, Phoenix
 Jack HOWARTH, Pricedale, PA
 W. HUDDLESTON, Auckland, NZ
 James E. HUMPHREYS, Austin, TX
 Charles L. HUTTON, Decatur, GA
 James INCORONATO, Winnipeg
 Michael JAKCSY, Dearborn
 Archie JENKINS, Shinnston, WV
 Frank N. JOHNSON, Muncie, IN
 Brandon JORDAN, Memphis
 John A. KALATA, Lemont, IL
 Paul KANCIRUK, Ft. Lauderdale
 Raymond T. KELLY, Northfield, NJ
 Jim KELLNER, Hicksville, NY
 Dan LAWRENCE, Wynyard, SASK
 Russ LEBLANC, Northboro, MA
 Johnny LEONARDELLI, Downsview, ONT
 Robert LERNER, Waltham, MA
 Donna LESSO, Liberty, TX
 Fred B. LINDEMAN, Ft. Meade, MD
 Peter LOMBARDO, New Castle, PA
 L. LONGSTREET, Bronx, NY
 H.W. LOUDERBACK, Leesburg, FL
 T. E. LYMAN, Richmond, VA
 Thomas MACIASZEK, Ocean Gate, NJ
 Richard MALONE, Springfield, MA
 OH L. R. MARGRAVE, Kansas City, MO
 John W. MARKS, Urbandale, IA
 B.B. McCAA, Jr., Ithaca, NY

LOUDENBOOMER RETIRES

The Loudenboomer Report, as all things eventually must, ended with the January issue of FRENEX. No doubt there will be many CL fans who appreciated his style of humor and will miss his monthly column which has occupied this page in FRENEX for many years. Likewise, there will be some who will be glad he is gone and see the space used for other things. Loudenboomer's popularity depended a lot on how serious one looked at a particular situation.

Who was Charlie Loudenboomer? We are told the character of the mythical Loudenboomer developed during the early days of NASWA at which time the true identity of the originator of the Loudenboomer material was known to just a few. The tradition of anonymity for Loudenboomer grew to become a legend that continued even through his last column.

In coming months, the space formerly reserved for the Loudenboomer Report will now be known as "Roll Call" and will feature information on the new NASWA members and similar information.

WRTH 1977 OFFER CONCLUDED: Over 500 persons took advantage of the WRTH offer mentioned in the November and December issues of FRENEX. Latest word from Perry Ferrell of Gilfer Associates, Inc., P.O. Box 239, Park Ridge, NJ 07656 is that the publication date is still January 31 in London and that an air freight shipment is expected shortly thereafter to cover these advance sales, so if all goes according to plans, they should be mailed by mid February.

AP DIRECTOR CHANGE: We were sorry to learn that Ted Poling, Handicapped Aid Program Director for the past several years found it necessary to resign as of December 31, 1976. Wayne A. Davis, 27 Cleveland Avenue, Trenton, NJ is the new Director, and we wish him well in his new position.

HELPING HAND ITEMS: For the benefit of the newer members, we would like to mention that the "Helping Hand" items that appear in various places in each issue of FRENEX is a free service available to the membership. They must be limited to items wanted or for sale that pertain to the SWL hobby only.

They can be submitted direct to HQ or sent to the Log Report distributing editor, Greg Ravenhorst, Rural Route, Hollandale, MN 56045. Items submitted must be limited to four or five lines in FRENEX and it must be understood they will appear only as space is available.

MARCH FRENEX MAY BE LATE: Publisher Alan Mayer will be moving into a new home about the time the March FRENEX is scheduled to be mailed. This being the case, it is quite likely that the mailing date will be one week later than usual which would be about the 12th. Please allow some extra time for our copy to arrive before writing HQ to say that it had not been received.

WEST COAST MONITOR WANTED: HQ is looking for an experienced WCNA DXer who would be willing to develop a list of 50 countries, with frequencies and times, that are possible to receive on the more modest receivers. This list could be made available to the less experienced DXer as a guide for logging his/her first 50 countries on SW. A similar list is now being developed for CNA by John A. Hancock, Mobile, AL. Contact HQ for details.

FRENEX COVER DESIGN COMPETITION: Details for a new cover design for FRENEX as announced in the August issue. Several entries were received and we thank all who took time to send an entry. We will be making a decision and announce the winner soon.

Regards & 73's



M. R. Leonhardt

shortwave CENTER

JERRY A. LINEBACK, EDITOR
P. O. Box 325
St. Joseph, IL 61873

FEBRUARY 1977

Unity and Friendship

by Anton J. Dubrick, Peoria, IL

Reputedly, one never forgets his or her first receiver, especially if it was self-made. Whether this is due to simple human pride in achievement or to the desire to avoid the troublesome experience in the future is debatable. Yet the memory remains. . . .

Shortly after getting my own receiver going and getting a few stations, a new certificate went up on the adjacent wall. It said I was a member of the North American Short Wave Association, and that membership required only one thing, a curious thing it seemed to be at the time - - to uphold "the motto of Unity and Friendship in all ways possible."

"Now what could that mean?" I thought.

And frequently thereafter, while waiting for the VOA to back off a bit from a potential new catch or while pretending to decipher some fast-talking Latin American disc jockey, I've looked up at that certificate and thought again, "Now what in the world can they mean by that? Was it put there to really mean something, or was it just something to fill the space?"

Although my limited patience, and even more limited Spanish, haven't brought me too many more "stations verified". I've finally decided that the motto really does mean something. Something very important, too.

Unity. With who? First, with the other shortwave listeners of the world, and particularly those of North America. While the American, and to a lesser extent, Canadian governments rate international shortwave broadcasting as crucial parts of their foreign policies, they act as if shortwave listeners virtually did not exist within their borders. In fact, the 'benign neglect' shown to SWL's by the promoters of the electronic entertainment industry tempts one to think that somebody, somewhere believes we shouldn't listen to shortwave at all. It is sad, but true, that many North American youths grow up totally unaware that such a medium for international communication exists. So we band together to protect ourselves and our hobby. . . .

Unity with anyone else? Yes, surely. The international shortwave bands may be a haven for pompous dictators, a battlefield for religion and ideology, and a forum for the often-chauvinist (and even-more-often gaudy) display of whatever is perceived to be "national culture". But the truth remains that something really significant takes place amidst all the verbiage. There is a message in the medium: The international airwaves are a place where the peoples of the world meet to share, to exchange ideas, information, and, occasionally, even beauty. Hopefully, the fusion that results can bring to all human cultures the achievements the individual ones have made on their own.

There is the danger that the small cultures might be diluted into the big, but, despite superpower transmitters linked in vast networks, I think the chance is small. The important ideas are 'big' in their own right, no matter what their source. Their power, once given access to the international forum, can not be measured in such tiny units as Kilowatts.

If nothing else, we are left with the conclusion that the solidarity of all humans transcends geographic, political, and economic distance, that mutual exchange is beneficial in spite of these barriers. This is probably the central theme underlying the "Unity" that NASWA tries to uphold.

And "Friendship"? Shall we forget about her?

No, it's impossible to do that. First, I think that for most of us the feeling and practice of friendship flows naturally from the recognition of our unity with other SWL's and with the peoples of the world. The spontaneous good-will that appears when those who

have 'met' by shortwave actually meet face-to-face testifies to this.

In this spirit, NASWA members take on the duties of international friendship.

Their evaluations of the broadcasts they hear are done in a fashion of open-minded curiosity and tolerance for cultural and technological differences. They reject what is alien to basic principles, but try to understand what it is that might cause another to think so differently. They search for what is common and valuable, and enjoy the beautiful or humorous when it is found. They recognize the motivations of the usual agencies sponsoring international broadcasts, yet try to retain an objectivity about what they hear. This last admonition is particularly hard to follow, for if we were goldfish with the gift of human intelligence we would no doubt believe the rest of the world was in a bowl and we were on the outside peering in!

In correspondence, there is an obligation to be amiable and, especially, courteous. We, users of the rude English language, must be particularly careful here. In many other languages, the routine use of what seems to us to be positively florid politeness can make a North American business letter read like a page-long insult. The addition of "Gimme a QSL" at the end only aggravates a bad situation. I think the insertion of an IRC or useable postage in each letter to which a reply is expected is mandatory, to the extent that it can be afforded. It is not just a bribe. It says something: "I know international broadcasting is expensive. Here's something I can do for you to help support something I believe in."

Finally, "Friendship" is what makes shortwave-listening a two-way experience. The communication is not restricted to what moves from transmitter to receiver. There is an effort to share ideas and cultures. Post cards, greeting cards, photos, telling a little about oneself, commenting on the programming-- all these are part of the process. What is said or shown may be ignored entirely, but when it is not, radio is being used to its full capability. Here, also, lies the greatest pleasures of the hobby.

Unity and Friendship. Cynics might regard this phrase as a cliché without real meaning. I'll take it as just about the best motto a shortwave club could come up with.

DXING - AUSTRALIAN STYLE

by Bob Padula, Surrey Hills, Victoria, Australia

Here in Australia, the objectives, aims, philosophies, and operating techniques of down-under DXers are in many respects significantly different from the way in which the DX hobby is approached in other parts of the world. The origins of the Australian way of "DX life"

are obscure, as also are the reasons for the somewhat radical approach to the hobby pursued by Australian DXers, and I thought that DXing enthusiasts outside of Australia, and in particular the large DX grouping in the U.S.A. would like to share with me my observations on this subject.

Organized DXing here in Australia originated back in 1933 with the establishment of the "Australian DX Radio Club" (not to be confused with the present-day "Australian Radio DX Club," note the word order). This early club had its headquarters here in Melbourne, and was run under partial sponsorship of the weekly newspaper "The Listener-In", a publication listing radio programs for local Victorian transmitters. Membership notes and station loggings appeared in the "Listener-In", as well as in the Club's own monthly newsletter. At its peak, membership of this early club was in the thousands, due, mainly to the minimal membership fee required - similar to the membership requirements currently existing for such organizations as the BBC World Radio Club and Radio Australia's Listeners' Club. Members wishing to receive the monthly club newsletter paid an additional fee.

During the second World War, DXing involvement suffered a drastic curtailment, and for a variety of reasons, the early club ceased operations in the late 1940's. It was not until early 1965 that the present-day ARDXC was established, with headquarters in Sydney, NSW, and transferred to Melbourne in January 1967, where it has remained.

Some NASWA members will be aware of the extensive research I had carried out some years ago in tracing the origins and development of DXing in Australia, and which was combined into a publication which I entitled "The History of DXing in Australia". Unfortunately, that publication is now out of print.

Thus, it is seen that there was a period of some 20 years during which no national DXing organization existed within Australia. It was in this period, I would suggest, that the present day approach to DXing, as distinct from shortwave listening, was born in countries outside of Australia, generating a solid foundation for the many advances in hobby techniques which have emerged over the last decade. Here in Australia, isolated

geographically (and also ionospherically!) from the rest of the world, DXing has evolved in a somewhat different fashion, which the reasons I am about to offer will perhaps provide some sort of general clarification.

Equipment. Until the early 1960's, DXing equipment of a commercial nature was virtually unavailable, unless the user wished to import gear from overseas, with the consequent heavy customs and importing charges. The 50's were the years of the "roll-your-own", and unless the budding DXer possessed some form of technical know-how, he was limited to war-surplus equipment, which at the time was relatively expensive. No national DXing club existed for advice, assistance, or general information, which compounded the problem.

Various designs for communications receivers appeared in national electronic magazines; but which all required a fair degree of technical skill and expertise to secure adequate operation and reliability. This factor, alone, that of unavailability of commercial receivers, contributed significantly to the general regression in DXing participation, and many would-be DXing enthusiasts turned, instead, to amateur radio, which was flourishing in the decade following the end of WW II. My own interest dates back to the mid 50's as a school boy, and I can recall the frustration and difficulty in attempting to obtain some sort of decent receiver for general shortwave reception. The inability to acquire reasonable gear, combined with the lack of a local DXing organization, contributed finally to a non-interest on my part, which was to remain so until a decade later.

During the mid 1960's, the first of the general purpose communications receivers appeared on the commercial market in Australia. This was the Lafayette HE-30, a rather conventional single conversion machine, covering from 530 kHz to 25 MHz, with separate bandspread dial. The price of this was well within reach of the general listener at the time, as well as for the enthusiastic youngster who was able to borrow, beg, or save the necessary funds! At about that time, a flood of war surplus receivers hit the Australian market, including such equipment as the Murphy B40, the Marconi CR100 (my present main receiver), AR88's, and others that I have since forgotten. The Trio organization also ventured into the Australian scene, with its "9R59" series, following the success of the Lafayette receivers which had expanded to include the HA-230, and various others covering VHF and long-wave. Around this time, also, Eddystone released its portable EC10 receiver locally, and the first of the multi-band Japanese portables were infiltrating the commercial market at competitive prices.

Simultaneously with this upsurge of availability of equipment within reach of the average hobbyist, the present-day Australian Radio DX Club was brought into being, and with it, a whole new chapter in DXing within this country. Clearly, precedents were not available, the club administrators of those times (and I was one of them) were required to adopt what they believed to be a workable and realistic overall policy of organized DX hobby participation. We had to establish the ground rules and virtually start up afresh many years after our colleagues overseas.

Isolation. Unlike North America, and to a lesser extent Europe, Australia is isolated geographically and propagationally from the rest of the world. During our summer months, and particularly in periods of low sunspot activity, and especially in winter too, direct reception from Europe between 0500 and 1300 GMT is most unreliable - corresponding to our local time of 4 PM to midnight, when maximum audiences would be expected to be available. The Tropical Bands don't 'open' until well into the night for Asian signals and have disappeared by around our local dawn. There is virtually no Latin American or African reception on the 60 and 90 metre bands for six months of the year, and reception during our local summer daytime hours is generally confined to the few stations in the Pacific and Asian areas that may be audible on their higher frequencies.

Thus, those facets of DX interest which are critical for maintenance of long-term and serious approach to the hobby are unavailable for a large part of the year. Serious DXing between September and March is virtually a weekend affair, with midnight efforts, unless one is unemployed or retired. Obviously, not all of us fit into either of those categories!

Of course, throughout the summer, there are the special "unusual openings" which occur from time to time for Latin America and Africa on the Tropical Bands, where conditions will unexpectedly revert to what is regarded as normal for the winter months. However, these are the exceptions rather than the rule, and are usually only observed by the serious DXer, or listeners who have sophisticated equipment and adequate antenna systems.

During our winter, from April through August, reception on the higher frequencies in our evening hours is almost non-existent. Propagation from Europe is almost impossible, especially in low sunspot years, but daytime reception is at its best. It is in the winter months that we are entertained by the Latin American and African stations in the

afternoon/evening, and morning periods respectively, on the Tropical Bands, and in low sunspot years, the long-path Africans (in our afternoons) and long-path Latins (in our mornings) pop up from time to time.

Naturally, Asian DXing is one facet of the hobby which is of importance to the Australian enthusiast. There is obvious recognition for the work carried out in unravelling the Indonesian broadcast scene over the past few years by Australian DXers, and also of the research currently being conducted into the summer "Asian mode" propagation pattern, the latter represented by dramatic and unpredictable reception on 6, 7, and 9 MHz from Asian transmitters in the midday time period in the Australian summer.

The term "DX-pedition", too, has come to be associated with the various trips to outlying areas for DXers who are normally bound to city and/or urban areas. Weekend excursions of this nature have multiplied in recent years, using facilities during the winter months such as on-site caravans, holiday apartments (known as "flats" to us), and even under tents. During 1976, particularly, some very worthwhile loggings were made "on location" at country areas, away from the RF pollution experienced at home.

Power line noise levels have increased tremendously over the past two or three years; this, combined with general RF pollution in urban areas has thwarted many endeavours of enthusiastic beginners to become involved with the "big-time" DX, further contributing to Tropical Bands DXing as a specialized component of the hobby. The DX-pedition had traditionally been associated only with medium-wave DXing pursuits, but noise levels in recent times have become so acute, as has general RF pollution, that these excursions have now become SW hunting grounds instead.

Hobby Involvement. From what I have discussed, it should by now be clear that there are severe limitations to the extent to which Tropical Bands DXing can be pursued by the Australian DXer. If we assume that this form of DXing represents the ideal in terms of development of individual skill, and in generating maximum personal satisfaction, then the constraints of isolation, distance, high summer noise levels, and propagation irregularities are critical. It is these limitations that have shaped the way of life for the Australian DXer into what it is, and which have contributed to perhaps the main difference to his DXing colleague overseas - that of the QSL. It is in the area of QSL collection that we see, possibly, the largest variation in hobby objectives, and which is not, perhaps, understood by DXing enthusiasts outside of Australia.

Recognition of hobby accomplishment within ARDXC is based essentially on the acquisition of verifications. There is no objective of the collection of stations or countries heard as is practiced by North American DXers. QSL acquisition is related to the systematic verification of broadcasting stations on as many distinct frequencies as possible. The term "station" is regarded somewhat differently to that in use in North America and in Scandinavia. Under current ARDXC rules, a "station" is a particular organization that possesses facilities to issue QSLs on its own initiative, even though a variety of transmitting sites may be employed. Thus we have such stations as AFRTS-Dixon, UN-Dixon, VoA-Dixon; Adventist World Radio-Sines, DW-Sines, RCI-Sines, IBERA-Sines, /ox Fidei-Sines, etc.

From this, one should not assume that Australian DXers are merely dashing ahead on the SW bandwagon in a mad race for thousands of QSLs; the reporting standards and guidelines maintained, at least for ARDXC members, are regarded as the highest possible, as the summary of reports received in response for the 30th Anniversary QSL card for DXers calling in July 1976 revealed. Unfortunately, elsewhere in the Asian area, the quest for QSLs has become something of a farce, with what appears to be little or no consideration for the implied ethics of DX reporting, or what the real purpose of the QSL and its accompanying report is. Thankfully, the efforts of Australian DXers are not categorized in the same way as some of the reports originating in Japan, and I would hope that some form of proper guidance and responsible leadership will emerge in that country, before the QSL, as such, disappears. The 30th Anniversary QSL summary showed that NASWA members who submitted reports for this special QSL were much more aware of the requirements for a good report than those North American DXers who were not NASWA members.

The Australian approach to QSLs and station counting provides for the maximization of DXing targets; membership achievement is recorded in the "Ladders", based on the number of countries verified, the number of stations confirmed, and the total number of QSLs received. Specific and necessary guidelines have been established for these various categories, permitting a high standard of individual reporting and hobby involvement. Emphasis is also placed on the discovery of new operating frequencies for all broadcasters, local and international alike. In other words, the emphasis is placed more on international broadcasting than on the Tropical Bands, which may be regarded as a logical outcome of the geographical and propagational aspects of Australia's location.

All of this of course has been developed over many years of Club operations. Australia as a whole is unable to support a number of "general" DX clubs, and it would be tragic if

such a move was contemplated by any breakaway group. Localized, specialized SWL/DX groups have, in fact, appeared, producing newsletter type publications on an irregular basis, with membership of a restricted nature, perhaps being able to serve the components of the DXing/SWLing population which a general club such as ARDXC cannot.

Another major point of difference between DXing in Australia and overseas is that of the multi-club get-together. The concept of "area DXers meetings" in Australia is unknown; obviously, the existence of only one national group has contributed to this, and in its place we have meetings of "branches" of the national club. Such meetings are organized on much the same lines as the "area meetings" in Europe and North America. In Australia, branches exist in most state capital cities where membership is highest.

Turnover within ARDXC, as in any non-profit hobby group, is a continuing concern. The numbers of serious, active DXers in the Club is small, and appears even smaller when compared with the relatively large numbers of members registered in the major North American and European clubs. Population density is of importance here, and over the entire span of ARDXC's existence, membership has never exceeded 200 persons. It is currently at that level. In the same period, though, some 700 people had joined, which represents a high level of withdrawal. With such a rate of turnover, continuity of hobby involvement is difficult and the drop-out problem is particularly acute.

Publicity. We are obviously fortunate of having closeby the facilities of Radio Australia. "DXers Calling" is produced by ARDXC each week (with four different editors-Robert Chester (Adelaide), and Robert Hanner, Peter Bunn, and myself, here in Melbourne.) In addition, a regular session known as "World at your fingertips" is presented by Robert Chester over a Victorian country mediumwave station on Sunday nights. For some months, a column "Shortwave News" is conducted by myself in a leading Melbourne daily newspaper and covers a variety of DXing and SWLing topics. There is no equivalent to the large national electronic magazines in which club notes and news of membership loggings are featured, such as are known in the USA and Europe. One such column does exist, in a national electronics magazine, but it is edited from outside of Australia, and information contained in it is necessarily outdated and of little value to the Australian listener.

Summary. As ages go, ARDXC is still an infant! However, it is hoped the points covered in this discussion will clarify some of the problems faced by the administrators of the national DX group in this country - problems attributable to our geographic and propagational isolation, and to the historical absence of any form of organized DXing organization for two decades. Australian DXers are just as keen and enthusiastic as their colleagues overseas, but our approach to the hobby has been adapted to the rather unique listening conditions existing in this part of the world, an approach which we hope will be understood and accepted by those who are perhaps more favorably situated for serious DXing in other countries. We're all part of the DXing team - it is only our style that may appear radical.

Beginners Patch

by David Haas, Woodcliff Lake, NJ

Most shortwave stations around the world are owned by governments. There are some however that are private. Most of these private stations, as most of you in NASWA already know, are religious stations. Here is a list of some stations easily heard in North America

Trans World Radio has many sites all over the world. The one which is easiest to hear in the USA is the Bonaire site off the coast of South America. It broadcasts at 1105-1225 on 11815 and 1230-1400 on 15255. It is on the air in the evening at 0030-0130 on 11925 kHz. This last time is not for NA but is easily heard here.

4VEH is a missionary station in Haiti. 1100-1400 the station is on 9770 and 11835. From 1930-2000 the station is on 11835.

HCJB is one of the biggies. It broadcasts from Quito, Ecuador from 1215 to 1615 on 11745 and 15115, also 0040-0645 on 11915, 9560, and 6095. This station is on the air to North America longer than it is off the air.

IBA, the Israel Broadcasting Authority is not a religious station, but it does have some religious programs. It can be heard 2230-2300 on 5900, 7415, 9435, and 9815. On Fridays there is a Sabbath eve program.

IBRA Radio broadcasts from Malta on 6080 from 2100-211. The transmitter is privately owned in Malta. IBRA Radio's access is in Sweden.

ETLF in Ethiopia is easily heard in French from 1915-2000 on 15365. It IDs in English. It is scheduled to broadcast in English at 1945 until 2030 on 11830. It might also be on 11910 or 15300.

Adventist World Radio broadcasts from 2100 on 9670. The transmitter is in Sines, Portugal.

ELWA in Liberia broadcasts in English and some vernaculars from 1945-2050. The frequency is 11945.

Recording DX

FILING AND RECORD KEEPING TECHNIQUES

by Sam Barto, Watertown, CT

In my many years of DXing I have used several filing systems. None of them seemed to fit the bill; however, in the early sixties I stumbled on the following method. I have been using this system ever since. With over 40,000 cards in my files, I can locate my complete logging information on any particular station ever logged within a few seconds. Check out the following, it really works!

OA24C	RADIO ANDINA	JJ	1
			2
✓	Huancayo, Peru	4995 kHz.	3
			4
	HQ-SP		5
1/19/73		0010-0028 EST.	6
			7
SS ID -m-0014, 17; SS-m-13-14, 17; WWV/QRM;			8
mx-v-w+inst. mx-14-17, 20-24, 24-28; mx-v-m-17-20;			9
LA inst, mx-10-13; 33433			10
Morris 1000 watts	f/u-11/22/74	QSLed- 1/3/75	11
			12
✓	9/22/75 SS ID-m+QTH-0030; SS-m+w-30-32, 36-40; SS-m-28-30,		13
	13-15, 19-21, 25-26; mx-v-m-32-34; SS-w-34-36;		14
	Andean mx-26-28, 15-19, 21-25; QTH-w-32; 32333		15
	QSLed 12/3/75		16
			17
			18

The above is a standard five by eight inch index card with ruled lines.

TOP LINE: The station's call letters and slogan are on this line in the exact location as shown above. The two check marks to the far right signify that this particular station has been verified twice. In flipping through your cards, the checks are an easy reference guide as to whether or not you have QSLed the station.

SECOND LINE: Leave this line blank. On this line or on any other blank line to follow, you may want to add any other station data which you deem important.

THIRD LINE: The station's location, and, if necessary, the exact transmitter site or grid coordinates is on the left hand side. To the right of the location is the frequency on which the station was heard. The check mark in front of the station's location simply means that a reception report has been sent to the station. The exact date of the report is listed below in the programming information section.

FOURTH LINE: Leave this line blank.

FIFTH LINE: In the center of this line you may list the receiver that you used to hear the station. In my case it was a Hammarlund Super Pro model BC-794. This line acts as a ballance as far as appearance is concerned for the top six lines.

SIXTH LINE: Here we have the date of reception and the time of reception. You may wish to use GMT; however, I have found it simpler to use local time from wherever the station was logged from. You can do all of the conversions when reporting to the station or to your favorite club (we all know what that is).

SEVENTH LINE: Leave this line blank. This line acts as a separator between the station data which appears in the top six lines and the programming information which appears below.

EIGHTS LINE: On this line we start listing the programming material which was heard. Make your own system of abbreviations. The line reads from left to right: Spanish identification by a man at 0014 and at 0017. Spanish talks by a man from 0013-0014 and again at 0017. Interference was from WWV.

NINTH LINE: This line translates: Vocal music was sung by a woman along with instrumental backgrounds and was heard from 0014-0017 and from 0020-0024, and again from 0024 to 0028. A vocal selection was sung by a man from 0017 to 0020.

TENTH LINE: This line says: Latin American instrumental music was played from 0010 to 0013. The SINPO reading can be on this line.

ELEVENTH LINE: You may use this line for any purpose which you want. I decided to include the following: 1) The location of reception. One does not always receive stations from his home QTH. 2) Power of the transmitting station. 3) Date of follow-up report. 4) Date of verification.

TWELFTH LINE: Leave this line blank. It is used as a separator between receptions of the same station.

THIRTEENTH LINE: Date of the second reception is here with a check mark signifying that a report was sent to the station. From this line on to line 16 is the same type of station data as expressed in lines 8 through 11.

You do not need to follow the exact line pattern as I have done; however, I do recommend that the setup for the lines 1 through and including 7 be followed. This will keep a uniformity among your card file. Starting on line 8 you may use as many lines as you wish for recording your station information. If it takes the entire card, you can start another card or use the back of the first one.

In the case of receiving one station on many frequencies, such as Radio Moscow, I would suggest using the following: Make out your card exactly as the sample 'Andina' card. If you heard Radio Moscow on 9500, 9530, and on 12050, make out a card for one of these frequencies - let's say 9500. List all of your station information on this 9500 card. Insert the symbol 'D' on this card somewhere near the end of the station information section. This symbol stands for DUAL. In other works it would appear as such: D-9530, 12050. Make separate cards out for 9530 and for 12050 with all of the pertinent information contained in lines 1 through 6. On line 8 you would simply list the signal report and D-9500. This will refer you back to the master card of 9500 for all station information. It does save quite a bit of writing. The only difference on these three cards in lines 1 through 6 may be the transmitter location.

Filing Systems

There are several advantages available to the DXer if you use an index card filing system. You may index your stations by call letters, station slogan, frequency, continent, country or by any combination of the above. I prefer to index them by continent and then, in that continent, by ascending order of frequency. For example, if some night you are listening to the 90 metre band Africans, all you need to do is to pull out your first few cards from the Africa section to quickly review what you have logged, verified, or what should be coming in at your particular listening area. By pulling cards in this manner, one can get a very good idea of what might be heard at different times of the year. This can be especially helpful when you are chasing those elusive Papua and Indonesian station. I have over 40,000 cards in my files from all bands and modes. Believe me, it is much easier to locate a station using a card filing system. There is no need to flip through dozens if not hundreds of log books to find a particular logging which may have occurred years ago. By using the card system all of your data is on one card which usually can be located in just a few seconds. The basic problem is that most DXers just don't want to take the time needed to set one up. Remember, by sticking to the format in lines one through six, an index filing system can offer the DXer a tremendous variety in the way they can be arranged. You can always change the way in which you file the cards without changing any writing on the cards. Be sure to choose the method which suits you the best.

Individual Station File

About now you are probably asking yourself about your individual country and station heard and verified totals. This problem can be solved very simply. I would suggest using a standard 3 by 5 inch index file card. Refer to the sample Radio Andina card below. All that you need on this card is the call letters, station slogan, transmitter site, and frequency. You may wish to include other data for your system. Index these the same way that you index the larger cards. I prefer to index them by call letters under each continent. If

OA74C

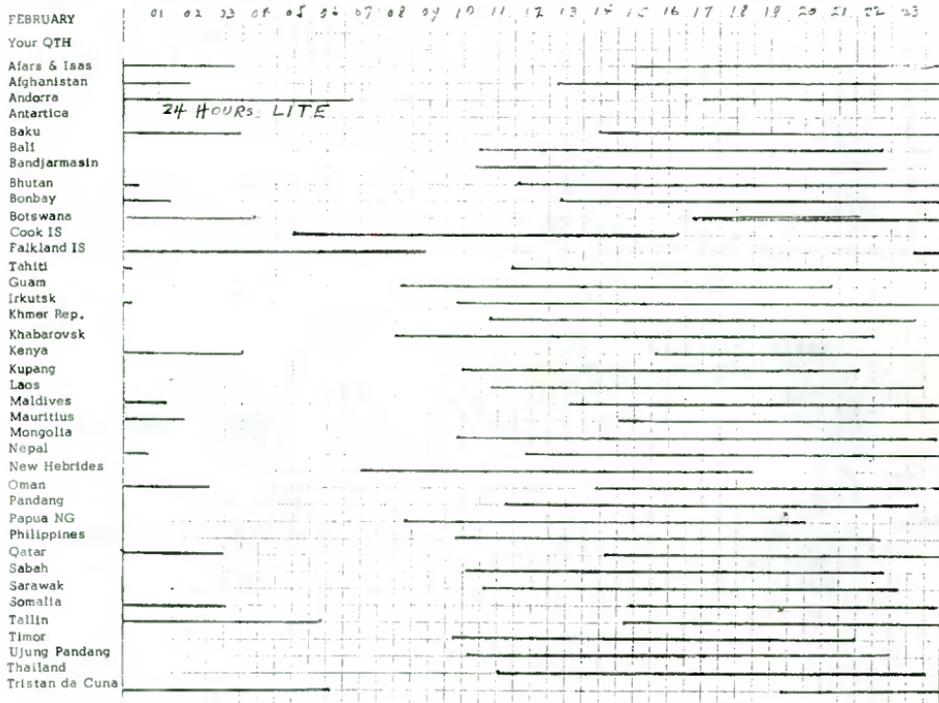
RADIO ANDINA

4995 kHz. ✓

Huancayo, Peru

no call letters exist then place the cards in your file by station slogan. Only one card is needed per station. Be sure to place the check mark in the upper right hand corner once the station has been verified. Place a blank card in directly in back of the continent heading card. On this card list your totals for that continent, such as C/H, C/V, S/H, and S/V. Each time you log or verify a new station or country change your totals. The sub-totals can be added very quickly to obtain the correct results.

I hope that I may have helped a few of our members in setting up a working logging system. I would appreciate it very much if you would send along your comments.



Mailbag

John D. Tuchscherer, Neenah, WI, sends in the above chart. The numbers at the top are time in GMT. The black lines are the night time hours at various exotic DX transmitter sites. You draw in your nighttime hours on the top line. Overlap between your nighttime and nighttime at the transmitter location indicates a darkness path and possible reception.

+++++

SHORTWAVE IN FLORIDA, received from WYFR. A 11,200 square foot transmitter building has been started near Okeechobee, Florida, to house WYFR transmitters. Two dual antennas are under contract and another antenna will be purchased. A new 100 kW transmitter is in hand and will be installed. The first phase should be completed by early summer.

+++++

Charles Mitchell, WB9NWF, Carmel, IN, reports that the ham DXers net began on Wednesday, Jan. 19, on 7275 kHz at 2130 GMT. They will also monitor 7107 kHz for Novice check ins on CW. If things work out, they will continue with these arrangements or announce changes.

+++++

Hadley Cress, Harrisonburg, VA, reports that Sears and Roebuck is selling the Yaesu FRG-7 in their spring catalog, page 967, for \$299.50. This is the first time since I was a kid that I recall Sears offering a real communications rig. I remember looking at Sears catalogs and drooling over the Hammarlund and Halicrafters receivers offered there-in and promising myself that, when I grew up, I would get one of them. Maybe for a new generation? (Your SWC editor).



SPECIAL *feature*

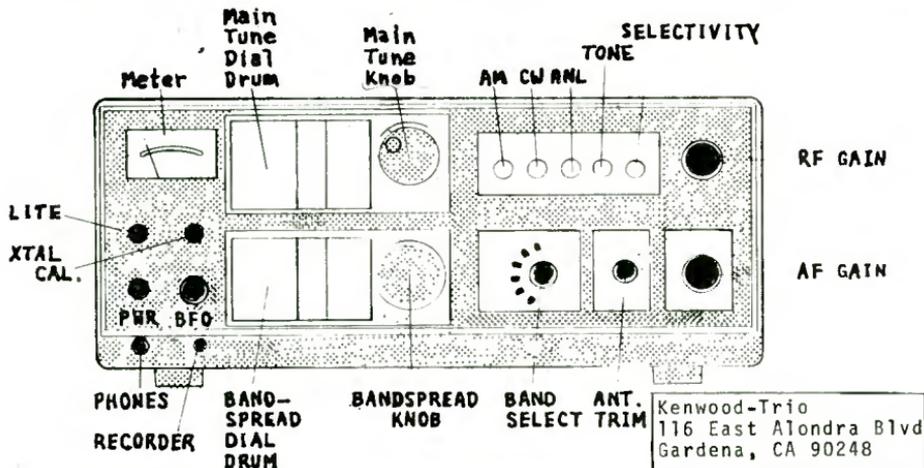


NASWA PREVIEWS THE R-300 BY KENWOOD

by Edward C. SHAW

By preview, we mean to say that we have not actually seen the R-300, but we have on hand the technician's repair manual, and have compared it with Kenwood's earlier QR-666 receiver and the latter's manual and schematic. It is essentially the same receiver with some few refinements, namely:

1. Addition of a crystal calibrator.
2. Option of either ham or SWBC bandspread drums.
3. AGC amplifier improved with a better semiconductor.
4. Mechanical filters: a) after 1st IF; b) between 2nd & 3rd IFs.
5. Dual-conversion above 18 MHz (Conversion osc. freq is ≈ 3580 KHz)
6. Beefier AF gain by adding one more stage.



One can see by the illustration above that there are enough controls for adequate DXing functions, including the ever-useful antenna trim. Frequency readings easily within 2-3 KHz, sometimes 1 KHz at low freq.

GENERAL SPECIFICATIONS:

Freq. Ranges:	170-410 KHz	Sensitivity:	Better than 1.5 uv on all bands on AM mode.
	525-1250 KHz		
	1.25 - 3.0 MHz	Selectivity:	NARROW:
	3.0 - 7.5 MHz		2.5 KHz at -6dB
	7.5 - 18.0 MHz		12 KH at-60dB
	18.0 - 30.0 MHz		
Audio Oomph:	1.5 Watts with 8 Ohm Load		
Antenna Z:	50-75 Ohms	Power:	House or 12VDC Batteries
Size:	About 14x7x13 W H D	Weight:	Nearly 17 lbs

COST OF THE REPAIR MANUAL: \$5.00

COST OF THE R-300.....\$239.00

Repairs to the R-300 are likely to be easier for most technicians due to conventional design.

MORE **Beginners Patch**

YOU TOO CAN EARN AN AWARD (for \$1.38)

by Gerry Bishop, Christiana PA

Yes, you can get a NASWA award for that price, and a little cosmic help. And, believe it or not, it can be the 50 KW QRP certificate. Sound incredible? It shouldn't, as it is possible to do with a little diligent DXing, a working knowledge of English, and a little cooperation from the ionosphere. Here's how.

There are six "radio continents", North America, South America, Europe, Africa, Asia, and Oceania. All but South America can be verified for a 13¢ stamp on your report. Let's start with North America.

Almost anywhere in North America you can hear one of those domestic, low powered Canadian SWBC stations. The most widely heard is CFRX, Toronto, on 6070 kHz, in the 49 metre band. Local twilight is the best time to hear this one, and a QSL will arrive in about three weeks. The station uses 1 kW of power, send your report to 2 St. Clair Ave. W., Toronto, Ontario.

The 75 metre band presents us with our next two continents, Europe and Africa. The Voice of America operates an 8 kW transmitter in each of these continents, and both can be heard in North America. The main problem in logging these two is the interference (QRM) from ham operators, whose chatter will dominate the band most of the time. However, if you try 3980 kHz between 0300 and 0600 GMT, you might hear the "Breakfast Show" to Europe, and on 3990 kHz, "African Safari" may be audible after 0500. Send reports to the VoA, Washington, D. C. 20547.

Asia is a toughie! Your best bet for 13¢ is the AFRTS station in Japan, also on the 75 metre band. 3910 kHz may be heard in the early morning in North America, with 10 kW power. Tio-off to this one is US pop music and English announcements. A correct report will be verified in about three weeks. Send it to Far East Network, Headquarters FEN, APO San Francisco, 96267.

Oceania is E-Z. WWVH can be heard under WWV many times on 5, 10, and 15 MHz. Time is announced by a woman at :45 of the minute, with IDs at minute 29 and 59. Reports to box 417, Kekaha, Kauai, Hawaii 96752.

That is all you can get for 13¢ stamps, but South America is not that hard to QSL. For an international air mail stamp and one IRC you can get a verie from a variety of South American stations. A good bet is GBS, Action Radio, on 3290 kHz, in the early morning or in the evening. Not an easy catch, but worth the chase. Reports to Guyana Broadcasting Service, 68 Hadfield Rd., Georgetown, Guyana.

There you are, six stations with a total power of 47 kW. Good luck.

And when you get your veries, send a list of these to the NASWA Awards Chairman, along with 50¢, and you've got your award. Now wasn't that easy.

+ + + + +

In September we printed an article entitled "Recording Propagation" with a chart prepared by David Snyder, The Brooklyn DX Club, 1137 E. 12th St., Brooklyn, N. Y. 11230. David would like to expand the charts by including loggings related to solar flux values as far back as 1947. He has the daily solar flux values and wants loggings with dates that might be available. He would like to receive copies of loggings from FRENDX or any other SWBC bulletin before 4/75. If you have such, David would appreciate your help. He intends to process the data by computer.

Special Pub. 3

We are pleased to offer NASWA SPECIAL PUBLICATION THREE. This new publication is titled,

INTRODUCTION TO SHORTWAVE PROPAGATION and is prepared by John Tuhscherer. This 6 page publication is intended as a basic introduction to how radio waves travel from a transmitter to a receiver on the other side of the world. We are grateful to John for preparing this article. It is offered to you for 75¢ postpaid from your Shortwave Center. Send orders with payment to Jerry A. Lineback, Box 325, St. Joseph, IL 61873, U.S.A.

Don't forget that Special Publications One, KEEP IT QUIET, and Two, PRECISION FREQUENCY MEASUREMENT, are still available for \$1.00 each postpaid.

+ + + + +

NOTICE

We have had a large number of requests for copies of articles from previous Shortwave

Centers as offered in the January FRENDX. Please be patient and understand that considerable hand labor is involved in this. We will fill all requests, but there will be some delays in filling some requests of about 30 days. Sorry, but demand is greater than anticipated. We are happy to provide this service, however.

Doug Mc CLURE, Medina, OH
 Bill McGARRY, Oxnard, CA
 John W. McGREGOR, Northfield, OH
 Walter McKEON, Woodside, N.Y.
 Marc MICHOLET, Montreal
 Thomas L. MILLER, Lauderdale, MS
 Bill Murphy, Beech Grove, IN
 John A. MURPHY, Northfield, NJ
 Kevin MURRAY, Rockville, MD
 Clifford MYERS, Phoenix
 Andrew NAUDZIUNAS (Rev), Chicago
 Toshimichi OHTAKE, Norristown, PA
 John C. ONKEN, Metamora, IL
 Peter OPRISKO, Whiting, IN
 Bruce ORENSTEIN, Yonkers, NY
 Virginia OSTRANDER, Buffalo
 John J. PALIS, Calumet City, IL
 Meyer L. PANTER, New Brunswick, NJ
 Vicente PEREZ y PEREZ, Barcelona
 William J. PHILLIPS, Brewer, ME
 John A. PIRNAT, Euclid, OH
 Andrew PONDO, Hammond, IN
 William PUTNEY, Princeton, NJ
 George R. QUAY, Allentown, PA
 James RAY, Hartford
 B. E. REYNOLDS, Winnabow, NC
 W. Conrad RICHARDSON, Lynchburg, VA
 John D. ROBINETT, Seattle
 Jeffrey D. ROTH, Chicago
 Carl L. ROUSE, Wauseon, OH
 Harold ROWAN, El Dorado, ARY
 Eric RUDE, San Pedro, CA
 Garry SAPOZNICKOW, Winnipeg
 Patrick SCHILD, San Rafael, CA
 George H. SEAMAN, Maple Shade, NJ
 Carroll W. SENN, Columbia, SC
 Carlton SEVERANCE, Incirlik, TURKEY
 Henry H. SHAW, Cape May Pt, NJ
 Mark SIEGEL, Weston, CT
 Henry SLOFSTRA, Kitchener, ONT
 James SMALLWOOD, Highland Home, AL
 Albert SMITH, Madison, OH
 Bill SOLE, Hastings, NEB
 Jeff STEVENS, Chicago
 Edward G. STROH, Riverdale, IL
 Richard SWANSON, Wellman, IA
 Elmer TABER, Tigard, OR
 J.D. THORNTON, Venice, CA
 Randy TOMER, Sonora, CA
 Ray TRASK, Huntington Bch, CA
 Richard TURKEL, Tampa
 Richard E. TUTT, Calif. City, CA
 Dave VALKO, Dunco, PA
 Tom Warrenburg, Delavan, WI 53115
 Neal Weaser, Bloomsburg, PA
 Charles E. WERNBERG, Oshkosh, WI
 T. L. WEST, Madera, CA
 Larry WILD, Indiana, PA
 Bill WILSON, Huntsville, AL
 Bryce WILSON, Glenbrook, NV
 Lynn WINELAND, Blacklick, OH
 John WRIGHT, Norristown, TN
 Leonard J. WYATT, Dayton
 Robert J. ZAJDA, W. Warren, MA
 W. P. ZAVEDA, Don Mills, ONT.

...that's all for now, folks!
 But, don't forget the myriads of
 others who renewed! Welcome to all!

Kartoon Krevice



"So it's only 9 p.m. in the Fiji Islands!
 Get out of your dugout canoe and come to bed!"



"Here's yer shortwave set, Buddy!"



CREDIT: Tnx to artists Kohler
 and Linn, and Radio
 Publications, Inc. (and
 amendments by Ed Shaw)

NASWA ABBREVIATIONS

The following abbreviations are the ones most commonly used in the preparation of Log Report. Abbreviations are sometimes confusing, but they are necessary to keep the amount of space needed to cover an item to minimum. These abbreviations can also be used in reporting loggings to the LR editors. If you do abbreviate, stick to the standard ones listed below. Please do not use abbreviations known only to the contributor.

All times in FRENDX are in GMT, 24 hour system.

*0000 s/on (sign on)
 0000* s/off (sign off)
 // parallel
 a,A approximate
 AP A Portuguesa
 ARO Amateur Radio Operator
 BBC MS BBC Monitoring Service
 clas classical
 cmntry commentary
 CW continuous wave
 DJ disc jockey
 ECNA East Coast North Amer.
 EIR East is Red
 EL, E-L easy listening music
 FBIS Foreign Broadcast Information Service of the CIA
 FE Far East
 f/i fade in
 f/o fade out
 freq,fqy frequency
 fund fundamental
 harm harmonic (see X)
 het heterodyne
 HS Home Service
 ID identification
 Int Internationale
 IS interval signal
 ITU International Telecommunications Union
 LA Latin America(n)
 lang unknown language
 lbx letterbox
 LL language lesson
 lcl local
 lvl level
 M man
 mod modulation
 MoR Middle-of-the-road music
 mx music
 NA Nat'l Anthem or N. America
 NF,nf new frequency
 nx news
 pgm,px program
 QRK readability
 QRM Interference
 QRN Static
 QSA Signal strength
 QSB Fading
 QTH Geographical location
 RC, RT recheck, retune
 relig,rel religious
 rev revolutionary
 RF,rf reactivated frequency
 s/b should be
 SEA South East Asia
 SSB single side band
 svc service
 t, T tentative
 TC time check
 tx transmitter
 tk,tlk talk
 ute utility station
 v varies
 w/ with
 W woman

WCNA West Coast N. America
 WS BBC World Service
 wx weather
 x harmonic (also see harm)
 xmsn transmission
 xmtr transmitter
 Af,Afr Africa(n)
 As Asia
 CA Central America(n)
 Eu Europe(an)
 Pac Pacific
 SA South America

Languages:

AA Arabic
 Afkns Afrikaans
 BB Bengali
 Cant Cantonese
 CC Chinese
 CS Czech-Slovak
 DD Dutch
 EE English
 FF French
 GG German
 Indo, Indon Indonesian
 Ital Italian
 JJ Japanese
 KK Korean (sometimes Khmère)
 MM Malay (sometimes Mongolian)
 NN Norwegian
 Pid Pidgin
 PP Portuguese
 RR Russian
 SC Serbo-Croat
 SS Spanish
 TT Turkish
 VV Vietnamese

When 3 digit numbers are given in the Log Report, these are "SIO" numbers rating the signal received. The criteria are:

Signal Strength - S

5=Excellent, greater than S9+20db;
 4=Good, between S9+5db and S9-20db;
 3=Fair, S7 to S9+5db;
 2=Poor, S3 to S7
 1=Barely audible, less than S3

Interference - I

5=None; 4=Slight; 3=Moderate;
 2=Severe; 1=Extreme

Overall Merit - O

5=Excellent (local quality); 4=Good;
 3=Fair; 2=Poor; 1=Unusable

listeners NOTEBOOK

577-2468



• Editor: Glenn Hauser, WUOT, U-Tenn.,
232 C&E Bldg., Knoxville, TN 37916

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ENGLISH SCHEDULES		ALBANIA	R. Tirana nominal freqs as of 12/76; *NAM				
*0000-0030	9750 7065	0430-0500	9480 7300	1400-1430	11985 9500	1830-1900	9480 7065
*0130-0200	7300 6200	0630-0700	9500 7065	1530-1600	11985 9480	1930-2000	9500 7075
*0230-0300	7300 6200	0700-0730	11985 9500	1630-1700	same + 7065	2030-2100	9480 7065
*0330-0400	7300 6200	0930-1000	11985 9500	1730-1800	9500 7075	2200-2230	9480 7065
							(BBC MS)

ANTIGUA (Cf Dec LN-7) Transmission was from Sackville at 2300. Antigua takes over 6175 at 0430-0730 (Keith Edwards, BBC SEXB, note accompanying QSL to Greg Ravenhorst, MN)

AUSTRALIA RA's new 9575 opens at 1130 (Heckenlively, SD) But in Jap. 1300 23/1 (gh) New freq at 0400 is 9710 (Arthur Cushen, SCDX 4/1) 17870 replaces 17860 0030-0100 (Heckenlively)

BHUTAN NYAB's Wednesday English on nom. 7040 is at 1315-1330 only; the rest of the xmsn from 1230 is in Dzongkha (Satoshi Wakisaka's QSL, ADXN 1/77)

BULGARIA R. Sofia has dropped last summer's 2205-2230 to Af/As, but extended 2105-2130 pgm for Af to 2200. So here is the complete sked: 0000-0100 NAM 9705; 0430-0500 NAM 7115; 1905-1930 E&CAF 17825 11765; 1930-2000 GB&I 9700 6070; 2105-2200 Af 17825 11765 9560; 2130-2200 GB&I 9700 (BBCMS 12/76)

CANADA RC1 was to test new freqs during 2000-2100 SPac xmsn (first half in English), 11-18 Jan: 11865 or. 11855 and 9610 (Cushen, HCJB 8/1)

CHINA Voice of Malayan Revolution has extended English to 1445-1530 (Mike Willis, Vic.)

CZECHOSLOVAKIA	R. Prague	0845-0900	9505 6055	1630-1700	7345 5930
0030-0100	9740 6055	0945-1000	9505 6055	1730-1830	17840 11990 9605
0100-0200	9740 9630 9540	1045-1100	9505 6055		7345 5930
0300-0400	7345 5930	1145-1200	9505 6055	1900-1930	7345 7245 5930
0730-0800	21700 15395 11855	1430-1500	17840 15110 11990	2000-2030	7345 5930
0745-0800	9505 6055		9605 7345 5930	2130-2200	6055
0830-0900	(Sa/Su 0930) = 0730	1530-1630	as 1430 + 6055		(BBC MS 12/76)

DOMINICAN REPUBLIC R. Clarin reactivated on 11700 2330-2400 as of 13/1 (Tom Hall, CA) And on 4850. 18/1 said rapid growth led to power failures, esp. 50 kW 11700 (gh)

EGYPT R. Cairo's "Voice of Africa" 2030-2200 to E/C/Saf is on 11790 ex-17725 (BBCMS 6/1)

FINLAND R. Finland's projected M77 (=March 6 - May 1) sked resumes 2330 xmsn to NAM, with 250 kW xmrtr tho 100 kW to us remains at 1330, 1430. Viz.: 0930-1000 Sat/Sun 9550 11755 15270; 1330-1400 15260 15110; 1430-1500 6120 11755 15110; 1900-1930 ~~11755~~ 15265; 2000-2030 9550 11755; 2330-2400 11755. To NAM underlined (gh)

FRANCE RFI D76 1700-1800 includes some double-beamed freqs. Eaf/IndOc 11965/9505/9715/5955. Caf 11705/9505; Waf 15425/11890/11930/9585/9695. Naf 11930/9585/7165/7285 (via And Pineault, PQ) Had an English segment of sports at 2245 8/1 on 5955 (Zilmer, SPEEDXGRAM, WI)

GERMANY WEST DW to NAM 0130-0150 7/11 heard on 4875, AM (Frank Harvey, UK, DSWCI) Indeed?

GREECE EPT (Epsilon Rho Tau) 1815-1830 to Af on 11760 ex 11925, // 15345/17830 (BBCMS 6/1)

GUYANA GBS (not Action Radio) was on 16454, RCSSB, 1/1 around 1700, 2/1 around 1430 (gh)

ITALY RAI mails its skeds about a month after they go into effect, and the D76 took another month to reach me--by airmail; valid another month. 2200-2225 11905 9710 5990 Jap 0350-0410 11905 9710 9630 SAs 1935-1955 7290 7275 6010 GB 0100-0120 9575 6010 NAM 0425-0440 7265 5990 Mediterran 2025-2045 7290 6050 6010 NE (RAI via gh)

MALAWI Since most NASWAns don't speak Chichewa, try for the 15-min religious pgms in English at 0345 on 3380; I heard it 16/1 (Russell Scotca, OH)

MALTA IBRA undated sked shows on 6080, 2045-2115 Sun; 2045-2100 Mon/Thu/Fri; 2030-2045 Sa See also Portugal; (Tom Overcamp, SC, 14/1)

MONACO (actually, FRANCE) TWR moving around for 0725 xmsn, nom. 7105, hrd on 7110 7/11 (Peter Bunn, ADXN) And on 7120 to 0900 12/12 (Wade Smith, SPEEDX)

NEW ZEALAND RNZ dropped 9540, so 15130 runs 2000-0715 (Tony King, RNZ via Talbot, SPEEDX)

NIGERIA RTV Kaduna has news at 2130-2135; fqs are 4720, 10 kW; 6090, 100; 9570, 10 (QSL to Jorge da Silva, Espacio DX-ista 25/12) For the month beginning 15/1, VON extends its broadcasts for the World Black & African Festival of Arts and Culture, Lagos; opens 0425 on 7275 15120; runs to 2300; special English news at 0500, 0530, 0600, 0830, 0930, 1830; in French, Arabic, Hausa, too (BBC WRC 19/1) NBC HS hrd via FS xmtr, 7275 0800-0930 (Willis, Victoria)

PHILIPPINES Veritas hrd on 9645 at 1400, announcing non-heard 9550/11780/15260 (Willis)

POLAND PR is using 9525 to Nam, ex-9675--at least until I can talk them out of this mistake. (Henry Rockwood, OH, 24/12) SEYCHELLES 9525 x-9645 1550-1650 (Junqua) SPAIN 6080 x-6065 (Wood)

PORTUGAL IBRA via RTE undated sked 2030-2100 Thu/Sat, 2045-2100 Sun/Fri, 9670 (Overcamp, SC)

ROMANIA R. Bucharest D76: 0645-0715 17835 15250 11940 1500-1530 11940 9530 7225

0130-0230 11940 11775 9690 11830 11775 1730-1800 11790 9590 9540

0400-0430 9570 6190 6155 5990 1200-1230 15345 11830 1930-2030 7195 6150

0530-0600 17840 15340 11840 1300-1330 15250 11940 9690 2100-2130 7225 5990 (BBCMS)

SRI LANKA SLBC runs from 1230 on 9720/15425; unheard on former 7190/11725/15120. Also hrd at 1530 on both 4940 and 4968 (Willis, Vic.) SWEDEN RS 1230, 1400 on 9545 (BBCMS 13/1)

SYRIA Damascus monitored on new out-of-band 9300, for FS 1900-2200, including English 2030-2200; however, Arabic is sometimes heard instead (BBC World Radio Club 19/1)

TAIWAN BCC D76 sked: 2130-2230 9510/9600/11860/15225/17720; 1700-1800 9685/11825/17890; 0100-0200 and 0300-0350 on 9765/11825/15345/15425/17720/17890 (Dene Lynneberg, DUDXS)

TRISTAN DA CUNHA P&T Dir. says ZOE operates only on Sun/Wed/Fri, 1900-2200. No frequency given, but listed on 3290; 40 watts (Klaus Hülsgen, Essen, GFR, SCDX 12/1)

USSR R. Moscow sked issued last fall said for M77, 6125 would be replaced by 7130 (7135?) for the Nam service, while the Pacific Coast Service would drop all 49m channels, and other usage would become 9.78 (to 0530 only, rest 0330-0730 thruout), 9.73, 9.61, 9.58, 9.54, 7.30, 7.26, 7.17, 7.11 MHz, some of which may be 5 kHz higher (via Tom Overcamp, SC) The Voice of Armenia's English capsule Sun/Wed/Thu/Sat 0325-0330 is on 9735/7130/6150/6030 (BBC)

UZBEK SSR (Listed separately, because these R. Tashkent xmtrs are believed actually to be within this SSR) No wonder we haven't heard the NF of 5975 at 1200-1230, 1400-1430 // 6025/9540/9600. BBCMS reports 5896 instead (gh) SWAZILAND (late) TWR *1630 5055 (Bodell 19/1)

VATICAN VR's Chinese pgm at 2230 became daily as of 1/1, displacing English pgm (BBC MS)

VIETNAM (Cf Dec LN-5) Hanoi's 1530 pgm lasts to 1630, not 1600, 7470/10040 (Willis, Vic.)

OTHER SCHEDULES (or, schedules not appropriate to another sub-section --gh)

ANTIGUA Hard to believe, but the only time DW is scheduled here is 1200-1220 German to Sam on 15185/11865 (DW 1/77 via BBCMS) In any language (gh)

AUSTRALIA On 17705 23/12 0020-0033 R. Australia definitely heard with continuous music tape in tests, Darwin suspected (Robert Hanner, Victoria, ADXN= Australian DX News of the ARDXC)

BOLIVIA R. Roberé in Santa Cruz is a new station on 5312, at 1100-0200 (Tony Jones, RAE DX 1/1) Not to be confused with the R. Rebelde (Cuba) 5310 outlet. The Roberé item also appeared in Número Uno, but permission to reprint it was denied, unlike these: (gh) 4823, R. Gri-gotá *0930 for many weeks, suspect seasonal due educational BCs, and still says *1000 at s/ off. 3390, R. Camargo now 2230-0300 (Tony Jones, Paraguay, via NU 1/1)

BURMA BBS since 1/1 has changed nationalities pgm on 4725 to half an hour later: 1030-1445 (Burmese press via H. Tanabe, via Isao Ugusa, Japan)

CAMBODIA Democratic Cambodian Radio on new 9694v // 4908 at 2300-2400; opens with national anthem, closes without music; likely not in use at *1100. First heard by long time DXer Yasuhiro Taguchi (Isao Ugusa, FE DX Review 27/11)

EGYPT R. Cairo's 0200-0330 English to Nam on 9475 is now flanked by Arabic 0330-0430 and Spanish 0045-0200, the latter // 11715 ex-15335 (BBCMS 9/12) Farsi 1530-1655 9550 ex-11805.

GERMANY WEST/CANADA/RWANDA/PORTUGAL/MALTA/ANTIGUA Inexplicably ignoring Antigua (v. above), DW sked shows which sites are used at different times of day on each frequency:

21550 GM	17800 G	15275 G	11905 G	9765 G	9620 G	7275 GM	7105 M	6065 G
21600 G	17780 G	15245 GP	11865 GAPM	9735 GRPM	9615 G	7235 G	6185 G	6025 M
21560 G	17765 GR	15225 G	11850 G	9700 G	9610 GMP	7225 R	6145 G	6010 GP
21540 R	17715 G	15185 GA	11810 G	9690 G	9605 GC	7210 G	6130 G	6000 P
21500 G	15425 G	15135 GM	11795 GMR	9670 G	9590 G	7175 GR	6120 G	5995 G
17875 GRM	15410 R	11965 R	11785 GMR	9655 G	9565 GMR	7160 GM	6100 GM	3995 G
17845 G	15405 M	11945 G	11765 GM	9650 GPM	9545 G	7150 G	6085 C	(DW 1/77)
17825 GM	15320 G	11920 M	11705 G	9640 G	7285 GPR	7130 GP	6075 G	via BBCMS)

GREECE The VOA Kavalla-1 250 kW xmtr is being used by EPT to reach Nam, 11760 1500-1550 and 11875 (alt: 11730) 0000-0350. To other areas, 11760 1300-1350, 1800-1850; 9760 1400-1450, 2200-2350; 7215 1600-1700, 1900-1950, 2000-2050, 0400-0450, 0630-0730; 9715 1715-1750; 6140 0500-0615. Also uses VOA-Thessaloniki 7280/9710; rest Avlis, 2x100 kW (Robert Jones, ADXN)

GUAM TWR Añaña, per tentative IFRB D76 sked, shows 100 kW at 0900-1400, 315° to SEAs/FE, 1400-1500 285° to SAs, both on 11705; however, recommended shift to 11850 at 1400-1500. Lots of QRM on the channel, and may not be on yet anyway (Dene Lynneberg, DUDXS 12/12)

HUNGARY R. Budapest in Hungarian to NAM, valid till 16/4, on 15220/11910/9833/9585/7215/6000 at 0130-0200, 0230-0300, 0330-0400, except Mondays when 0130-0300, 0330-0500 (Alintuck, MA)

INDONESIA RPD Kab. Ketapang per QSL operates on 5600 ± 20 kHz; nominal is 5790, but heard on 5605 to 1430v*; also has faulty modulation, 100 watt output (Robert Yeo, ADXN 12/76) RRI Banjarmasin, per QSL is sked on 3250 2200-0100, 0900-1500; on 5970 0400-0700 (Cushen, HCJBC)

IRAQ R. Baghdad Arabic HS 1200-1700 3/1 on new 15225 heavily QRMing Tunisia (BBCMS 6/1)

ITALY RAI's "Radio Three" HS is carried on a 50 kW Roma xmtr on 3995 at 1600-2200, and one hour earlier 3/4 to 24/9 (Radiocorriere via BBCMS 11/76) see also SICILY! (gh)

KOREA SOUTH KBS Seoul on new 3930 ex-3918 first noted 8/11 (N. Tsukamoto, JADK, via FEDXR) R. Korea sites: Seoul 50 kW on 7150/9580/9640/9665. Kimjae 250 kW on 7240/9525/9675/9720/11860. Not complete. (KBS DX Corner, via FEDXR 29/11)

LAOS Xieng Khouang heard to 1400* on 6695; no sign of //4608, just unID Chinese (Willis, Vic)

LESOTHO R. Lesotho was back on 4800 18/12 1300-1700, including English news 1600 (Colin Miller, RSA, via Danish Shortwave Clubs International "Short Wave News")

MALAYSIA VOM to SEAs at 0900-1600 Indo on 9750/6175; 1100-1300 Std. Chinese 11900; 1315-1445 Thai 6100; 1530-1700 Arabic 15275; 2300-2400 Indonesian 9750/6175 (BBCMS 11/76)

MALTA One Cyclops xmtr is on lease, Suns 0600-0800 on 9635 or 6175; and Sats 0700-0800 on 9670. Sats 0600-0630 on 6185 is "Vox Fidei" in French, from a Catholic organization with studios in Zurich; is repeated Sats 0730-0800 on 9670. (Two contradictory reports, one from Peter Bunn, in ADXN 12/76) See also PORTUGAL (gh) DW-Cyclops D76:

0030-0105	11865/9610/6100	Port Lam	1400-1450	11785	Arab NE/NAF
0130-0150	11865/9565/6100	Engl NAM	1540-1630	15405	Hindi/Sanskrit to Asia
0200-0350	11795	Germ NAM	1800-1850	9605/7160	Turk Europe
0200-0550	9735	Germ NAM	1900-2055	7105	Arab NE/NAF
0400-0550	6025	Arab NE/NAF	2055-2120	7265/7105	Maghribi NE/NAF
0445-0520	7275/6100	Turk Eur	2130-2300	11865/9610/6100	Port Lam
1115-1215	15135/11765	Japa As	2300-0030	11865/9610/6100	Span Lam
1240-1350	21650/17825/11920	Indo As			See also LN-2. (DW 1/77 via BBCMS)

MONGOLIA (Cf Jan LN-2) Malaysia may block DU, but RUB regular here 4950v 13-15 (Junqua, Jpn)

NETHERLANDS RN heard with Spanish 2000-2120 on 11610, maybe tests (Kleijn & Peet, Dec BDXC)

NEW HEBRIDES R. Tanafo on 3990 operates 1930-2100 only, deleted midday and evening, 60 W. (Na-griamel Pres. Jimmy Stevens, 22/11 via Robert Yeo, ADXN 1/77 via NASWA HQ)

NIGERIA VON announced a new 60m xmtr was opened 16/12, 0430-1100, 1500-2300, with HS National Programme (BBCMS 22/12) No doubt the 4900; do only DXers care about the site? (gh)

PERU R. La Crónica, Lima, 9517.5 excellent to 0500* (Don Jensen, WI, NU 1/1) Also 1120-1131 on 9518 (Jerry Berg, MA, NU 1/1) PNG reg's resume 1300* (Bodell) **PAKISTAN** See LN-4

PHILIPPINES Latest R. Veritas sked, dated 16/12:

2200-2255	Viet 9675	0100-0125	Japa 9675	1300-1325	Thai 9550/9645/11780/15260
2300-2325	Indo) 9675	0100-0200	Engl 11875	1330-1355	Japa 9670
2330-2400	Thai) 11875	0200-0230	Taml 11725/15280	1330-1355	Sinh) 9550/9645/11780/
0000-0030	Sinh) 15280	1100-1130	Chin) 9550/9645/	1400-1500	Engl) 15230
0030-0100	Chin)	1130-1220	Viet) 11800/15260	1500-1530	Taml 9550/9645/11870
					(Bob Padula, Victoria; direct)

POLAND Polish Pathfinders Station, on new 5960, at 1045 12/12 (Vaclav Dosoudil, ČSSR, SWN)

PORTUGAL RTE Sines xmtrs are used by IBRA Radio Mon-Sat 0530-0600 9670 to Eu; 1700-2100 daily 9670 to Eu. Adventist World Radio also on 9670: 2100-2130 daily Eu; 0500-1000 Sunday to Europe. Vox Fidei, German Sats 1010-1100, repeated same time Suns and 1610-1700. Sats 1615-1630 pgm known as R. Messias, and 1630-1645, all 9670. Stn. known as "Katholische Radiosendungen" or "Emissions Catholiques" (Padula and Bunn, ADXN 12/76) DW/DLF D76 Sines:

0415-0445	Bulg 9650/7285/6010	1545-1645	Bulg 15245/11865	2030-2115	Cz&S 9610/7285
0445-0515	Rom 7285/6010	1830-1915	Cz&S 9610	2055-2120	Magh 6000
0530-0600	Cz&S 7130/6010	1900-2055	Arab 7265/6000	2130-2200	Bulg 9650/7285/6000
0600-0630	Pol 7130/6010	1930-2030	Hung 9610/7285	2200-2230	S-C 7285/6000 (BBCMS)

Radiodifusão Portuguesa Sat/Sun on new 11745 Port to Eur to 1700* (BBCMS 22/12) Since 24/12 Port to Eur 0800-1100 and 1345-1700 on new 11800 // 9740/6025 (BBCMS 6/1)

QATAR Doha Arabic HS on 100 kW 9570 at 0245-0705, 0840-2100 (BBCMS 11/76)

RWANDA DW-Kigali D76

0330-0430	Swah 9565/7225	1115-1145	Swah 15410/11785	1615-1715	Swah 9735/7285
0430-0515	Engl 9565/7225	1200-1245	Engl 17765/15410	1715-1745	Engl 9735/7285
0515-0545	Fren 9565/7225	1245-1315	Haus 17765/15410	1800-2150	Germ 9735/6160
0930-1030	Engl 21540	1315-1400	Fren 17765/15410	2200-0150	Germ 15410/11795
1045-1115	Engl 15410/11785	1415-1500	Amha 15410/11965		(DW 1/77 via BBCMS)
		1515-1615	Fren 9735/7285		

SA'UDI ARABIA BSKSA drifty 11757.6 hrd 0600, Algeria-like (Mike Willis, Victoria) Fri 0630-0900 Riyad Holy Qu'ran, Arab HS other days on 17875 ex-17755; to N&Caf (BBCMS 22/12)

SICILY Here we go again! with the supposedly authoritative RAI-Caltanissetta sked (one hour earlier during summer time 3/4 to 24/9): Radio One, 25 kW ea. on 9515/6060 at 0500-1430, 1500-2230. Radio Two, 5 kW on 7175, 0500-1110, 1130-1330, 1400-2230. Night Programme, 25 kW on 6060, 2231-0457 (Radiocorriere via BBCMS 11/76)

SWITZERLAND SBC activated its third 250 kW xmtr at Schwarzenburg, 9/10--the first at this site with speech processing. Two more 250 kW units will later replace the older 100 kW xmtrs still in use. D76 sked for the 500 kW xmtr at Sottens, also with speech-processing: 11720 0600-0645 Af, 11950 0700-0930 EAs, 21520 1030-1300 Af, 11745 1315-1515 SAs, 9590 1530-1800 Af, 11720 1815-2245 Af (ITU via Robert Jones, NSW, ADXN 1/77) Here is the 1977 sked of the ICRC = International Committee of the Red Cross, for special broadcasts via SBC on 7210 Jan 24/26/28; Mar 21/23/25; May 23/25/27; July 25/27/29; Sep 26/28/30; Nov 21/23/25. Hours: 0600-0700, 1130-1230, 1700-1800, 2200-2300. Rather than brief segments in several languages this year mondays will be all-English, Weds French/German; Fris Spanish/Arabic (SCDX 18/1)

TANGIER Another VOA-site used by host nation is this; RTVM Rabat D76 uses 3 of them: Tan-1 of 100 kW on 11735 1100-1700, 6170 1700-0000, 6180 0000-0200 all to Waf; Tan-9, 50 kW 15360 1200-1700, 9615 1700-0200 both to Naf; Tan-10, 50 kW, 6100 1100-0100 to Waf. Other RTVM fqs, 6190/7225, are at Sebba Aionu (Robert Jones, NSW, ADXN 1/77) TUNISIA See below

USA Tho not in the D76 fq sked, VOA-Greenville hrd in Russian 24/11 1345-1402 on 26040 (Frank Harvey, UKOGBANI, SWN) A good sign of increasing MUFs! (gh)

USSR Voice of the Soviet Homeland pgms, no longer include Soviet langs other than Russian. Sked 1400 to Eur, repeated 2000; and 2330 and 0200 to Ams. R. Minsk's HS Pgm II is on 9545 &: 9560; Pgm-I on adjacent 9540 // 12005/11995/9795 (BBCMS 9/12) All-Union R. HS sked 11/76:

Pgm I	02-22	7440 08-13	6000 02-04	Pgm IB 21-17	Pgm IC 23-19	7380 04-08	5290 23*02½
16330 06*12	7420 02-18	5930 11-14	15480 06-17	15600 06*12	7235 04-0545	4850 23-02½	
15470 06-13	7420 20-21	5920 02-06½	11740 04-07	15275 06-12	7210 23-02		
15160 06-14	7350 12-20	5910 08-22	10740 06*17	13820 06*12	7200 09-16		Pgm III 04-20
12205 06*15	7340 02-08	5040 02-05½	9810 02-05½	13380 06*12	6822½ 23*02	11690 04-15	
12100 08*17	7340 12-22	5040 15½-22	9730 02-04	12250 06*16	6230 18-19	9575 04-15	
12045 06-14	7335 15-17	4957 02-06	9675 02-05½	12175 08*13	6200 23-02	9540 04-15	
11920 06-17	7210 02-16	4895 02-06	9500 02-05½	11950 09-12	6090 23-02	7390 04-20	
11910 06-12	7180 12-16	4785 02-05	9450 04-05½	11795 06-09	6080 23-02	7355 04-20	
11785 08-11	7140 02-06	4780 14-15	7380 14-17	11750 06-12	5970 23-02	7100 04-20	
11735 06-11½	6770 02*03	4780 16-19½	7355 21-02	11700 06-09	5900 14-19	4055 14-22	
9800 05-15	6770 16*21		5815 21*23	9780 04-12	5900 23-05		
9795 10-17	6195 02-06	Pgm IA 19-15	5815 14*16	9690 08-13	5815 15*19		*=SSB feeder
9775 02-15	6195 14-22	15490 03-09	5255 11*17	9490 23-19	5815 23*03		likely to
9600 10-14	6100 02-04	13980 06*13	5255 21*04	8125 16*19	5470 14*19		change quick-
9540 20-22	6060 02-07	7410 19*02½		8125 23*03	5470 23*02½		er than rest.
8970 07-15	6055 14-22	6808 23*15		7410 12*14	5290 14-19		(BBCMS)

External Services by Regional Centres: Baku 6135/6110 Persian/Azerbaijani/Turkish/Arabic, 1300-1715, 1830-1950. Dushanbe 7275 Tajik/Persian 14-15, 15½-16½, 17-17½, 18-18½. Lenin-grad 5950, Russian to fishers Fri 2230-2330. Minsk Belorussian via RM facilities 18-18½ on 7420/7380/6175; 21½-22 7420/6010/5945. Riga 5935 Latvian/Swedish 08-09½ Sun; 1930-2200. Tallinn 6085 Finnish (not Sun) 08-09½, 16-16½; Swedish 2105-2135, Estonian 2135-2200. Tashkent Urdu/Hindi 12½-14, 15-15½ on 9600/9540/6025/5896; Uighur 12½-13½, 14½-15, 15½-16 via Alma Ata 6135/5035, unk site 5915, and Tash-9600 at 14½. 16-18 Persian/Arab/Uzbek 9540/7145/5945, and after 16½, 9550. Tbilisi 5930, Georgian Tu/Fri/Sun, unconfirmed, 19-21. Yerevan, Armenian 0300-0325 Sun/Wed/Thu/Sat to Ams 9735/7130/6150/6030. Sun to N/ME 06-07½ 4990; Sun 08-09 Arm exc 0845-0855 French 15435/15305/12035. 13-16½, 17½-21 Azer/Kurd/Arab/Arm on 4990, and 15-16½, 18-21 also 6085. Arm 20½-21 7270, 22-23 9480 (BBCMS Oct/Nov 1976) We also have the BBCMS R. Moscow and Mayak sked, 33 pages long, defying condensation (gh)

VIETNAM Hanoi runs a new frequency for HS // 10060: that is 4951 ex-4932, at 1100-1600 (Michael Willis, Victoria, Australia) VOV Indo ex-Malay 00-01, 09½-10; StDCh ex-Lao 15-16.

ZAIRE Regional stations relay the 24h National Service and carry periodic local programmes: Bandundu 7115, 10 kW; Bukavu 4839, 10; Kananga 6125, 10; Kisangani 7865, 100 and 6085, 10; Lubumbashi 11865, 100; 5953, 10 and 4750, 10; Mbandaka 5995, 10; Mbuji-Mayi 7295, 10 (BBCMS)

ZAMBIA On 30/12, Acting Director of ZBS Edgar Chellah was quoted as saying that as from 1/1 R. Zambia would open an hour earlier, at 0345, but would still close at 2015 (BBCMS 6/1)

(LATE ITEMS) PAKISTAN HS, Karachi: 0045-0415 7095/3890; 0600(Sun 0430)-1145 9645/7135; 1200-1345 7095/4735; 1400-1615 4735/3890; 1630-1810 4735/3890. Rawalpindi: 0045-0400(Sun to 0500) 4060; 0600-1100 7060; 1200-1400 5010; 1415-1800 4060. Islamabad: 0045-0215 5010/3330; 0215-0415 5060/3330; 0215-0325 5010; 0300-0400 4935/3215; 0350-0400 5010; 0600-0803 9545/5060; 0830-1100 6030/5060; 0900-0903 & 1000-1005 7165; 0900-1100 5110; 1045-1245 4935; 1200-1325 7165; 1400-1410 & 1500-1600 4785; 1300-1615 4020; 1200-1325 3965; 1400-1615 3330; 1630-1810 4785/3330. Quetta: 5980/3990/3270/3240; Peshawar: 6080/3155. Mostly national langs., but English news at 0300-0310, 1300-1310, 1700-1710. (Ahang via BBCMS 12/76)

TUNISIA RTT National Arabic pgm monitored at 0458-2200 on 15225/11970/7275 ex-7225. 7275 continues to 0032* (BBCMS 13/1) CLANDESTINE V. of Communist Party of Turkey sked Sun 0810-0900 on 9585 to Europe and Turkey. V. of Lebanon 6580 0530-0930, 1100-1300, 1500-2015 (BBCMS)

MISCELANEA RADIAL

(As suggested by Bob Hill, who claims to represent an untold silent constituency, and would call it "The Wacky World of gh" we have attempted to cull out non-schedule info from the previous two sections. Is this further fractionalization of LN worth it? --gh)

ALGERIA Very strong but very distorted signal, frequency-modulating around 17540 noted 17/1 1430-1500 with English lesson. No telling where this Algerian was supposed to be (gh)

CANADA BBC on 6175 didn't come on at 2300 28/12(?); rather, RCI IS, announcing tech. diff. and Muzak--by Canadian artists, I assume. Was // 9510 and all the other RCI channels, and the problem lasted at least two hours (Kim Andrew Elliott, MN) Lost Montreal-Sack. link (gh)

COLOMBIA La Voz de la VÍctor, Bogotá, hrd at 1010 with ID, then off abruptly. Used to be on SW, but hrd on 3880, 4 x 970 (Jerry Berg, MA, NU 1/1) Close to Cabo Verde-3883; nice!(gh)

COOK ISLANDS RCI hrd nightly, 75% of time without any audio. 12/21 as early as 0342! By 0350 sure of French, nearly gone at 0425, Togo OC 0500 wipes them out; 0725 relaying RNZ-11780, till Brazil *0800. Maybe French was Tahiti relay? Program night to night varies. Relays RNZ guess 75% and RA 25% but still suspect other programming. Looks as if 0400-0430 best for ENAM, maybe a bit later in WNAM; consistently between 5044.9 and 5045.0 (Jim Young, CA, via TDXN)

ECUADOR HCJB had as few as 2 xmtrs on the air, neither full power, in early January because of trouble with the hydroelectric plant, which had to be dismantled and reassembled (DX Party Line 15/1)

EGYPT On 16/12, Dr. Jamal al-'Utayfi, the Minister of Info and Culture, inaugurated two 250 kW SW xmtrs, built at a cost of 600 Egyptian kilopounds, at Abis in al-Buhayrah govern-orate. They will strengthen xmsns to Arab and foreign countries (BBCMS 22/12) IFRB Weekly Circular lists Abis 250 kW on 9665/11715/11785/17725/17745/17785/21465. Mokattam is the site on 9755 with 100 kW. Old Abu Zaabal 100 kW on other R. Cairo freqs. 9475 also sounds like 250 kW (Roger Legge, VA, 12/1)

GERMANY WEST/PORTUGAL/SPAIN D76 sked shows R. Liberty via Lampertheim, Playa de Pals, Biblis and Holzkirchen. RFE via Biblis and Holzkirchen and Glória-Lisbon. Some fqs used from a variety of sites, e.g. R. Liberty on 7220: Lamp. 00-06, Bib. 08-15; Holz. 15-17, Playa 17-24 (Bob Padula, Victoria) So RL using RFE German sites now but RFE not using RL's (gh)

HUNGARY 4748 heard at 2140 7/11, 4 x 1187!(Carol Feil, Denmark, DSWCI) GERMANY more below!

INTERNATIONAL VACUUM Beeps and occasional swift clicks found on approx. 20015 during lucky first try 17/1 1625-1628 fade. Matches sound of Chicom satellite recently played on BBC World Radio Club. Its 'sked' depends on orbital factors, could be hrd anytime (gh)

IRAN Per xmsn.data from the NIRT, Kalamabad seems to be the only site for SW xmsns, begun in 1970, altho MW sites have been greatly expanded (DSWCI Dec via Heckenlively, SD)

MONACO A stn on 15576-15578 from 1200 to 1400, French, Arabic and I think, some Yiddish. Figured LBA HS, but not // any other Israelis; mod. poor, xmtr drifts, pgming irregular; no ID for Israel in over 2 hours, tho Damascus frequently mentioned. Interesting! (Mike Willis Victoria) As you can see by the heading (actually, FRANCE), I ID this as the PTP feeder of R. Monte Carlo to its Cyprus relay, recently discovered by Magne. I caught its other freq, 17555 17/1 1420 with pop mx and anmts in French and Arabic, on RCSSB (gh)

PARAGUAY This year's April-joke was R. Ipan on 4045. Wonder who puts out such rumors.... (Tor-Henrik Ekblöm, DSWCI 1/77)

USA WYFR has a double spur on 5815 and 6325 0400-0500*, 170 kHz from 6155 and 5985, which are also 170 kHz apart. Since I get this on both the SP-600 and XCR-30, I surmise the problem is theirs and not mine (Tom Overcamp, SC, 14/1) Causing harmonic happiness is KBIQ on 4080, 3 x 1360, where KGB covers; 25/12 2319 Xmas mx, 0000 ID (Mark Bixby, CA) Mark, I'm wary of the other 'local' harmonics you hear, which due to strong signal levels on the fundamental, may arise in the receiver rather than the transmitter (gh)

VATICAN The Jesuit-run station here will be beaming daily Chinese-language broadcasts to Asia starting this month. Increased Chinese programming is part of an overall step-up in transmissions to Communist countries in Asia (Catholic Universe Bullêtin 7/1 via D. Filka)

VENEZUELA Radiovisión is a new network on the move, with powerful MW stns, but may also be heard mentioned on SW, so don't think it's a new local stn ID (J. Berglund, Arctic RC, via DSWCI 12/76) One superpower is to be RV Marabina on 1420 with 100 kW, but probably just 5 kW now (more from above) Well, what a coincidence they harmonize on 2840 recently! (gh)

VIETNAM Hanoi paper 'Nhan Dan' reported 15/11 that the Central Transmitting Station had recently installed nine large transmitters and set up three south-facing antennas, increasing its capacity by 45%. Also, the old VOA xmtr at Hue (on 760 kHz -gh) has been rechristened Radio Hue, according to a Hanoi English cast 6/12 (BBCMS 16/12)

GERMANY WEST (more) Deutschlandfunk, DW's equivalent on MW, now produces programs broadcast by DW in Polish, Hungarian, Czech and Slovak, so DLF should be the ID at 0530-0630 on 7130/6010; 1100-1230 on 7130/6145/6065; 1245-1320 7130/6065; 1730-1915 9610/7130; 1930-2115 on 9610/7285 (BBCMS 6/1) Some of these are via Sines; see PORTUGAL, LN-3 (gh)

DOGHOUSE Greece insists on 9530, under Spain; 15345 u/VOA-Phil for 0900-0950 Sp. to Aust; & at 2100-2250 on 6140, u/ABC-Perth! R. Australia on Port Moresby's 9520, 2100-2400 (Padula)

AUSTRALIA New HF installations are proposed for the ABC to improve NT services. One xmtr is to be at the MW "8DR" site in northern part of the Territory; the other is to be near Adelaide, SA. Original plans to operate from the R. Australia site were varied due to the effects of Cyclone Tracy (ABCB 75/76 report, ADXN) reported 1/12 that Foreign Minister Peacock had given assurances that RA's independence. He said the government did not believe RA should come under his department and any recommendations that it should be closed down would be DASC MS 9/12) ABCB = Australian Broadcasting Control Board.

ATALÁIA has been authorized to set up a tropical band station in Obidos, PA (BBC MS 6/12, see WRTVH or FBIS for key to Brazilian state abbrs (gh) R. Cultural Caiari has been authorized to set up a tropical band stn in Pôrto Velho, Rondônia (BBCMS 22/1) Continuing the list in Jan LN-6 of projected stations, copy hampered by RHC QRM to RAE: 3245 MT, 1 kW; 3255 GO, 3285 PA, 3295 SP 1; 3345 ?; 3385 BA; 3396 Goiânia GO 5 kW; 4835 MT 5; 4915? CE 1; 4935 MA; 4935 Manaus AM 5; 4965 or 4975 MG 5 + one other (Sérgio Dória Partamian, RAEDX 1/1)

CAMEROON R. Garoua will raise power from 30 to 100 kW in 3/77; and the station will be operating out of a new facility (Jim Achanyi-Foutem, regional correspondent of R. Yaoundé, in Garoua, via Neil Schulman, NY, 23/12)

FRANCE The Director of France-Inter wrote me that they are studying the question of making programs intended specially for SWLs, but he does not mention when this will be in operation (André Pineault, PQ)

HONG KONG (Cf Dec LN-8) There are no plans for re-commencing SW xmsns. RHK used to have a 2 kW xmtr at Hungghom, Kowloon, to broadcast to fishermen, but the need for it was removed by more modern equipment. It is not simply a case of plugging in the old SW xmtr; it no longer exists. In fact, the old site at Hungghom has become a subway terminal.

MONGOLIA (Cf Dec LN-1, lines 29-30) Here is exactly what Mr Tuvdennyam of RUB wrote to me some time ago: "We have no English transmission to Australia at this time but we do hope to have it in the future." (Mike Willis, Victoria)

NETHERLANDS RN is planning a new xmtr park at the cost of 50 megaguuilders, pending approval by The Hague in 2-3 weeks. At the same time, the Minister of Culture has decided to cut RN's budget by 5 megaguuilders per year. Tho his decision is to be protested, if it goes through, cutbacks in programming are expected and plans to increase languages used will be shelved. The xmtr park expenses are considered an investment, while day-to-day operating expenses are not (RN's 'Report on the Arts', 3/1 via John Wegener, IL)

PHILIPPINES R. Veritas will add another 300 kW xmtr on SW this year (Kirche & Rundfunk SCDX)

RWANDA AWR is considering tests via DW-Kigali in early 1977. Programs would be prepared by both AWR-Europe and AWR-Asia (Adrian Peterson, AWR-Asia, Poona, India, ADXN 12/76)

SOUTH AFRICA Besides R. RSA's new 500 kW xmtrs, expected on in Jan, additional 100 kW HF xmtrs are being prepared to extend the present MW-only youth orientated "Radio Five" to SW (R. RSA Monitoring Panel via Padula, ADXN) Tests expected around Mar/Apr 77 in 90/60/49/41m (Gerry Wood, R. RSA DX Editor, via John Jeffrey, ADXN 12/76)

TRISTAN DA CUNHA A new xmtr replacing the modest 40 W unit, will be installed at ZOE, per a letter from the director of Post and Telegraphs (Klaus Hüsgen, GFR, SCDX 12/1)

(USA) Look for announcement of the NAM Committee for the International Broadcasters Year 1978. NACIBY will try to mobilize support of the IBY, coordinate activities to commemorate the IBY, and encourage international BC listening as a complement to domestic media consumption. NACIBY will promote quality SWBC programming and support the international free flow of information (Kim Andrew Elliott, MN)

YUGOSLAVIA SAWPY (Socialist Alliance of the Working People of Yugoslavia) was expected to adopt a decision at its Jan conference on forming R. Yugoslavia. Preparations for setting up this SW stn have been completed; it is to "inform the world about developments in the country and make a significant contribution to the promotion of its information-propaganda activity towards foreign countries". (BBCMS 6/1)

CLANDESTINECRANNY

BURMA V. of Burmese People 6304v at 1330-1430v is now on Sun/Tue/Thu/Fri only, ex-daily, and Burmese only, while 5110 is heard daily 1200-1300v in Burmese, Jingpaw, Shan, Std. Chinese (Ugusa, FEDXR 27/11) Mr. U, a R. Japan anc'r told me **Patriotic Youth Radio**, headed by ex-premier U Nu, was active from Thailand when he left Burma 1/75. ID is "Pyichi lunge athan hlwin tana". The two stations are jammed by the Burmese government (Ugusa, FEDXR 27/11) A new name was adopted for the latter in 12/74, **Patriotic Voice Radio** ("Pyichit Athan Hwint Htaana") is anti-communist, anti-socialist, anti-Burmese govt. Xmtr is at Bina, Burma, near Thai border. Sked 0030v-0115v and 1230v-1315v on 7195-7240v (Carol Feil, DSWCI 12/76)

KOREA Voice of the Revolutionary Party for Reunification said 30/11 that it would relay the N. Korean CBS pgms at 2200-2230, no freqs given (BBCMS 16/12)

IRAN Pro-communist Peyk-e Iran, was last heard 30/11 (BBCMS 9/12) But the National Voice of Iran believed via Radio Baku, continues as usual (BBCMS 16/12) **MORE CLANDESTINE** bottom LN-4



CHILE R. Magallanes via R. Station Peace & Progress, is 1000 on 12020/12070/15170/15455, announcing 16mb also, sked 0200-0230 on 31/4lm; "...the radio station which fascism can't bring down the dictatorship..." (BBCMS 6/1)

FEBRUARY 1977

ABIE NATHAN's 400-ton peace ship, a floating xmtr broadcasting music and peace pleas allowed thru the Suez Canal 2/1 after several refusals. Permission had been requested Pres. Sadat. It traveled with an Egyptian security escort. (AP 2/1 via Brandon Lovett, IBA later reported that the only Red Sea port welcoming Nathan was Israel's Eilat (gh))

ZIMBABWE The 15-min African National Council (ANC) pgms in Eng/verns via R. Tanzania on 15435 have been retimed; announced 13/12 as Sun/Wed 2000, Mon/Fri 1930. On Mon 13/12, ANC pgm was followed at 1945 by the sked 30-min "Voice of Namibia" SWAPO BC in Eng. (BBCMS)

PIRATES A stn playing "Man of Action" with repeated IDs as "Radio Nordzee" was heard on 6880 22/10 1324-1328 (W. Martijn, Leiden, Holland, BDXC) 6250 bears a new stn 12/12, European Music Radio, irreg. Sun sked 1130-1300. 6260 19/12, R. Valleri was back 1000-1200. 6220, Black Shadow Radio, Dutch, testing 19/12 1034-1107 with tremendous signal but distorted. 6275, R. Free Midlands, 19/12 1020-1130+, promising regular SW service. A Dutch stn on 6217-18, hrd 19/12 1155-1300*, ID sounds like R. Brona, Verona or Verana (Campbell, NU)

DX PROGRAMS PIRATE R. Solent City, 6280 had a DX pgm at 1230 24/11 (Edward P. Englehard, UK, DSWCI) That was a Wednesday! (gh)

BRAZIL RNB's DX show called on all Japanese listeners sending them reports in Japanese to use some other language because RNB can't read Japanese. Claims reports in JJ are of "no use and they are wasting their time and money by sending them." (Dave Hammer, OH, 14/1) Shameful situation, considering the huge Japanese minority in Brazil (gh)

BULGARIA R. Sofia's DX pgm (Sat 0445 on 7115) continues to loosen up, with tips 22/1 on lots of western stations, even WYFR, but a feature on safe socialist BCer R. Bucharest. Great political implications can be inferred from this, hi (gh)

CANADA Unless some disaster prevents it, I'll be starting the 8-part Frequency Management series on Weekend Magazine, 12/2. It'll run two parts per weekend for four weeks. (Ian McFarland, RCI, 5/1) Ian deserves a lot of credit for his continuing interest in DXers, in the face of a format preventing specific programs for them, and despite having been shunned by some DX clubs for a decision he could not prevent (gh) RCI's French DX pgm "Allô DX" is now aired 10-20 mins into each xmsn, with the "Club des Amis" in the last 10 min (Wegener)

CZECHOSLOVAKIA "DX Chat" is on R. Prague, Suns, every 2nd weekend; offers souvenirs to listeners sending in questions about life in Cz, used on air (ADXN 12/76) As of 1977 the German DX pgm is weekly, ex-twice monthly; also longer; Sun 1700, Mon 2100; once a month a special report on foreign DX activities (Rudolf Heim, EDXC Sec'y Gen'l, GFR, SCDX 14/12)DX)

ECUADOR HCJB's French DX pgm "A l'Écoute du Monde" is on Fris 1615-1630, on 15435 (Cany, SC

FINLAND In Jan, R. Finland revamped pgms, moving Finn-DX from Tue to Sat, but monthlyizing it, ex-weekly, not sure yet which week of month. And, repeated on Monday (gh)

GERMANY WEST (Cf Aug LN-9) DLF's "DX Circle" with NASWA's Alan Thompson has moved from Wed to Tue at 1900, on 1268 kHz (Stewart Fenwick, Scotland, SCDX 12/1)

NETHERLANDS Beginning 7/4, DX Juke Box will broadcast a new technical course by Jim Vastenhou, "Communications System Course", covering radio, TV, radar, navigation, radio astronomy. Texts free upon request in sets of four (Dick Speekman, SCDX 12/1) ANTILLES RN's new Portuguese DX pgm, called "Radio Atividade" began a weekly run Thu 20/1, at 2320-2334 on 15425, repeated Fri 0005-0019 on 9715, produced by Jacob Bornstein, with contributions from ex-Rio DXer for 2½ years, Roberto Levenstein, now in London, who was interviewed (gh)

PORTUGAL R. Portugal was to air an Italian DX pgm produced by Dario Monferini's "Play-DX" group, Thu 30/12 in the 2200 xmsn on 9745/6025 (Play-DX 16/12) Regular?

SEYCHELLES FEBC (they mean FEBA -gh) Mahé has a DX pgm in English each Saturday at 0535-0550 (NHK DX 26/12) "DX Postbag" is sked for 1st and 3rd Sats at 1235-1250, on 11945 or 11925 and 15330, presided over by Victor Goonetilleke of Sri Lanka (ADXN 12/76)

SOUTH AFRICA R. RSA's French "Coin DX" airs Suns 2040-2045 on 11900/11800/9585/7270. Installments I heard included talk about bands used for SWBC, utes, etc. Not exceedingly useful, but there are worse ways to spend 5 min (John Wegener, IL)

SRI LANKA Worth it to keep trying for SLBC's "Radio Monitors International", Sun 1350-1400. I finally heard it 2/1 on 15425 when Adrian Peterson had a fascinating talk on DXing in the 30s, and lifted a few items from LN without credit; last part mixes with IBA IS, but if you are lucky, the Soviet jamming won't hit until the program is over at 1400 (gh)

SWITZERLAND SBC's German "DX-Ecke" heard on 2nd Sun 9/1 at 1402, opening with same theme as English version; so last half of German xmsns; reviewed Swiss MW stns; one voice sounded like Bob Thomann's, who is more at home in his native German, but I couldn't be sure (gh)

USSR R. Kiev's DX pgm is on 1st and 3rd Mons (GMT Tues) at 0300 on 7215; covers ham and SW in USSR, tech Q&A (Ed Richezza, PA) R. Moscow's "DX Club" to GB&Eire sked Sun 2022 on 7.36/7.28/7.26/6.175/6.02/6.01/5.98; Wed 1221 15.19/11.74/11.70/9.72/9.45 rounded (Overcamp, SC)

USSR (more) This pgm apparently differs from the DX Program in the NAM svc, in which 13/1, Paul Kuznetsov said RM was thinking about starting a DX club, due to popular request (gh)

(USA) A net for hams who would like to discuss all phases of SWling and DXing, has been proclaimed by Charles Mitchell, WB9NWF, Carmel IN, Weds at 2130, on 7275 + 5; also 7107 will be monitored for novice check-ins and Europeans; was to begin 19/1 (DX Party Line 10/1) 7107 is too high for European hams, who can't go above 7100 (Swiss DX 22/1)

PROGRAMS

CAMBODIA R. Phnom Penh has adapted graceful native melodies with devilishly complex rhyme schemes to propagate tough revolutionary messages. Expatriate Cambodians find the language hard to grasp; now 'revolutionary' rhymes with 'imperialist' and 'aggression' and 'gangster'. (Melbourne Age, 13/11 via DUDXS; much more)

CHINA Foochow R. 17/12 said spl pgms exposing and repudiating crimes of the Gang of Four would begin 20/12 Mon-Fri on Pgm I 0800-0830, 1430-1500; and Pgm II 0930-1000 (BBCMS) R. Peking HS from 9/12 BCs a special pgm 'on learning from Tachai in agriculture', 2130-2200 and 1130-1200 on Pgm I and 0400-0430 on Pgm II (BBCMS 16/12) R. Peking HS Pgm I includes Peking Opera: 2040-2100, 2220-2230, 0815-0830 exc. Tue, 1430 M-F, 1615-1700; Pgm II at 2200-2220, 0240-0300, 0715-0745 exc Wed/Fri, 1030-1040, 1200-1300, 1400-1430 (People's Daily via H. Nagase, FEDXR 27/11, excerpted from a complete sked by gh)

DOMINICAN REPUBLIC R. Commercial net has news and comment at 0930-1200, 1600-1730, 2130-2300 and 0130-0200 on 4880 and various other affiliates (BBCMS 16/12)

FINLAND R. Finland's revamped sked for 1977 puts Profile on Tues, Finland in Focus on Weds, Spotlight on Thurs, each following News. Friday Magazine; Saturday Review of the Week, and then What, Where, When, alternating Finn DX/International Scene/What Finns Talk About/Humor, and repeated Mons after Weekend Report. Suns, Letterbox (gh)

FRANCE "Paris Calling Africa" besides news, reports and commentaries features French language lessons - Mon thru Fri - reviews of Fr/Af press, letterboxes, features on politics, economics, arts, daily life in Africa and France. African, French and Black American music are played and many musicians are interviewed (RFI via André Pineault, Ancienne-Lorette, PQ)

HUNGARY RB's "Overview" looks at events, ideas, exchanges and development trends between Hungary and NAM, GMT Thu 10/2 at 0212, and Fri 11/2 0312 (Budapest International, via gh)

LUXEMBOURG R. Luxembourg actually take their news from the Sunday Times! Unbelievable! Oh, well, at least it's more interesting than a re-hash on most domestic AM stns (Jim Conrad IA)

UKOGBANI While many listeners may not be able to afford the price of London Calling, it is the only way the publication can still be offered worldwide (Letterbox 8/1 via Conrad) \$1.25 of the \$10 goes for bank exchange (E.M.O. "Mike" Williams, BBC, letter to gh) Lacking LC, make a habit of "Looking Ahead" previews daily 0940; 1943 exc Sat/Sun; Weds 1055. They really ought to sked some during NAM peak hours. Also check my fortnightly "Short Waves" column in the Sunday Denver Post, for frequent BBC programme information (gh)

USA Russian dissident Andrei A. Amalrik, testifying at the U.S. Capitol, said VOA is widely listened to because it is not jammed, but he criticized the station for showing little understanding of the preferences of Soviet listeners and acting as if it was broadcasting "to Americans who happened to speak Russian." (Bernard Gwertzman, NY Times, 7/1, p. 2 via Roger Wirt, MA) Among VOA's more interesting pgms in English: Forum, Fris 1130, 1730, 1830 to Af; New York, New York with Ben Grauer, Sats 1130, 1530, 1830 to Af, 1930; VOA Magazine Mon-Fri 1330, 1530, 1930 (via Robert Heckenlively, SD) Some are also in 0000-0200 block (gh)

USSR R. Moscow issues a much more detailed pgm sked for its GB & Ireland svc than for NAM. Among the hilites are Russian by Radio, Sun 1145-1200, Tue 2145-2200, Sat 2015-2030. Moscow Mailbag, Sun 1200-1220; 2130-2150 on Sun/Wed/Sat. For approx. freqs, LN-7 (Tom Overcamp, SC) In mid-Dec, RM NAM svc called the release of Chilean communist leader Luis Corvalán a great triumph for human rights and justice. But Moscow never mentioned the rest of the story. Corvalán's freedom was traded for the release of Soviet dissident Vladimir Bukovsky, imprisoned because he told the world about the asylums where anti-Kremlin thinkers are kept. So ABC, CBS, NBC, VOA, BBC, DW, SBC and many others told the true story--a political prisoner swap between two oppressive dictatorships. Typically, RM told only one side of the story... it's that kind of imbalance that turns off listeners. (Kim Andrew Elliott, MN)

VATICAN R. Vaticana has added SW to its MW Esperanto BC, Suns 2005-2015, audiblizing them in much of the world including NAM, best 11700 // 15120 9645 9625 7250 6190; the pgms consist of: religia penso; informoj en la katolika mondo, konversacio pri aktualajtoj aŭ intervjuo, kaj koresponda rubriko (Richard Wood, NY, who is not responsible for 'audiblizing')

DX CALENDAR

February

17 Dom Rep: R Comercial, 19
18 Gambia Independence Day
18/19 Nepal National Day
21 Bangladesh: Shaaded Day
22 Panamá National Mourning D

23 Costa Rica: TIFC, 29 yrs
24 USA: VOA, 35 years
25 Canada: CBC, 32
26 Ethiopia: RVOG, 14
27 Dom Rep Independence Day

March

1 Panamá: Constitution Day

3 Brazil: RB Central, 27
Morocco: National Day
6 Ghana: Independence Day
11 Brazil: Radio Poti, 40
15 Venezuela: Radio Coro, 40
(adapted by gh from Sunspot,
and Gees van der Zalm, Benezelux DXC, last year's lists)

PUBLICATIONS

FAR EASTERN DX REVIEW, a monthly xeroxed publication, is an excellent source of in-depth info compiled by four JADX specialists on SE Asia, China, USSR, and the rest of the FE. A sample will be sent to NASWA members for 4 IRCs airmail, if addressed to Isao Ugusa, 1-3-10 Mikage-yamate, Higashinada, Kobe 658, Jpn

DOWN UNDER DX SURVEY, no. 7/1976, dated 12/12 is now available for 6 IRCs airmail or in ANZ, 50¢ mint Au stamps. Apparently one must order individual copies, rather than subscribe, but it's well worth the trouble. This one has 14 A4 pages, including a survey of Indo news bulletins; an article on Cambodian programming; 2p of clandestines; 4p of USSR HS skeds, much compiled from monitoring, and a great deal more general info on Asian DX. Order from David Foster, 17 Stevenson St., Kew, Vic., Australia 3101 (gh)

USSR HIGH FREQUENCY BROADCAST NEWSLETTER (Cf. Jan LN-7 and everywhere else) #2 was issued in Jan, and will continue monthly unless new material doesn't warrant. Price is \$3 for 12 issues, including overseas by airmail, from Roger Legge, Box 232, McLean VA 22101. #2 has the basic 24h sked of R. Moscow external service in Russian; regional HS and other 4 MHz operations heard in NAM; R. Moscow SEAs service; second net to NAM; SAM Svc skeds (gh)

BUMPER STICKERS (Jan LN-7) should not be ordered from the printer, but from Don Johnson, **SPEEDX**, Box E, Elsinore CA 92330, not publicizing any particular club, and offered at cost: 50¢ ea. in NAM by first class; rest of world US\$1.50 or 9 IRCs for 2 by air (Johnson)

LES CASSETTES RADIO FRANCE A great many France-Inter HS pgms, many also heard on SW, are available on cassettes, e.g. more than a thousand Radioscopie programs. This should be useful to researchers, but they cost \$8-\$10 each. Demand a price list and order form from Cassettes Radio France, 75786 Paris CEDEX 16 - France (via Dave Walcutt, IL) (SCDX 21/12:)

RUNDFUNK IN DEN USA is a C60 cassette of American IDs, etc., honoring our 200th. Cost in Europe is DM 6, from Tonbandring Zentral-Westfalen, Postfach 1166, D-4755 Holzwickede, GFR.

BROADCASTING STATIONS OF THE WORLD It is not certain that FBIS will publish a 27th edition. Early in 1977 the decision should be made. You might find the WRTVH helpful... (Lillian Green, Requirements Assistant, FBIS, Washington DC, via Mike Hardester, Okinawa; 22/12)

IN MY OPINION

STEVE RAFFER, GA: "I think everyone in NASWA should be thankful to Kim Andrew Elliott for the NASWA survey which provided some much needed information on the SWL in the U.S."

KIM ANDREW ELLIOTT, MN: "It has come to my attention that the Charlie Loudenboomer column has been dropped because one of CL's "victims" was riled by a recent installment. Loudenboomer is satire -- sometimes pretty good. Instead of taking offense, the person... should be honored; no one is a true NASWA celebrity until he/she has been lampooned by CL. Just as 'Don't You Believe' keeps us honest, the Loudenboomer Report keeps us humble. Any disagreement with something in FRENDX is better expressed not by killing the source but by continuing the discussion through a contribution to LN or SWC. Stifling the editorial content of FRENDX because it ruffles the feathers of one or few is the same as giving NASWA a one-way express ticket to Mediocreville."

STANDARD FOR FRENDX EDITORS #3 (of 14): "Refrain from personalities. Never use your section to obtain an advantage over another person, or to belittle anyone."

CHARLIE LOUDENBOOMER: "A final word from Loudenboomer??? My column first appeared in FRENDX in Jan 1966. The late, God-bless-'em Bill Eddings announced it as the first in a series by CL. The last in that series appeared in the Jan 1976 edition. It was the last because a timorous club administration decided, after so many years, that ol' Charlie wasn't tame enough. It decided, when one person complained, that it was in poor taste to puncture the bubble of pomposity, that there are sacred cows that must be pacified and never satirized, that it is offensive to suggest that there are aspects of our hobby that are simply silly, that there are some folks in our hobby who act supercilious at times."

Over the years, many persons and institutions have felt Charlie's barbs. Charlie, speaking in the third person, regularly was SWL everyman and laughed at his own foibles. There are those who called some columns brilliant. There are those who called them all stupid and sophomoric. The truth is that they were probably somewhere in between. Charlie is loved by some, detested by others, perhaps tolerated by most. Over the years there were few, however, who tried to shut me up. There were none who were successful, until now. I go now, but I am not dead. Charlie will still be around wherever SWLs gather, where you least expect it...even those who think they know who I am are wrong. For I am Loudenboomer. I depart after 11 years. If you read this you will know there is still a small spark of free speech in NASWA. You may not have heard the last of me either. Happy trails to you from C.L."



(New Yorker, 29/11)

The preacher man at the Pentagon

Flacking fundamentalism to the armed forces

JACK ANDERSON
and **LES WHITTEN**

WASHINGTON—Deep in the Pentagon an unknown communications czar directs an empire of more than a thousand radio and television stations around the world. He is John C. Broger, a dapper, determined man with a watus mustache and an evangelical zeal. He controls the flow of news to our far-flung soldiers and sailors through the newspapers, magazines and radio-TV stations of the armed forces.

The private world of John C. Broger is populated with good guys and bad guys. The good guys are conservatives, anti-Communists and Christian fundamentalists who believe in the God-given, American right to make a buck. The bad guys are liberals, hippies and Communists, although sometimes he has trouble distinguishing one from the other.

Citizen Broger rules a vast communications empire, which resembles an Egyptian puzzle on the organizational charts. Its principalities are designated in the way of a bureaucracy, by letters. Broger himself commands the IAF. Spelled out, this is the Office of Information for the Armed Forces. His most important principality is the AFRTS, which, in longhand, is the Armed Forces Radio and Television Service.

Broger's domain is connected by a tenuous political umbilical cord to ASDPA. This is the Assistant Secretary of Defense for Public Affairs. The office was occupied last year by William Greener, who was beset with complaints about Broger. As the charges multiplied, Greener called in the Defense Department's general counsel and the Air Force's special investigators.

We have obtained a copy, meanwhile, of the Defense Department's confidential investigative report. Here are the highlights:

- Within AFRTS, investigators found widespread mismanagement. The report alleged that "AFRTS-Washington had not established a formal property account, and property records were fragmented and incomplete."

- Equipment on hand, costing about \$516,000, was not identified in the records. Various government items were located at the homes of AFRTS employees.

- AFRTS-Los Angeles had on hand 59,405 reels of audio tapes worth approximately \$68,000. This was enough tapes to last five years. They had been requisitioned for a Navy program that doesn't exist.

- Broger's boys often awarded contracts without bothering to seek competitive bids. Investigators found "several which seemed questionable from both a requirements and a cost-benefit standpoint."

- Investigators found a \$91,000 contract, which was awarded to Arbitron, Inc., to conduct a listener survey. This produced information which was largely available in AFRTS files.

In a lengthy interview with our associates Jim Grady and Howard Rosenberg, Broger denied his empire was mismanaged and offered to match it "with any organization in or out of government." Yet a management study, initiated by Broger himself, concluded in part: "The organization and management of the AFRTS system is inefficient and ineffective and not responsible to policy guidance and direction." Broger acknowledged that he is a member of the National Association of Evangelicals.

YOU'RE NOT LIKELY TO READ ABOUT IT IN NUMERO UNO, BUT... Your LN editor, a charter member, has been expelled for failing to provide sufficient DX-oriented contributions (as defined by the editors, Don Jensen and Ralph W. Perry). I had also vigorously opposed a recent policy change stifling the free flow of DX info from NU to other clubs where more than 25 people would have a chance to see it. Thus there will be no further new items from NU in LN. NUers (or, rather not yet ex-NUers) are therefore urged to send copies of their reports directly to this or other NASWA editors, as this is not yet prohibited. NUers may still get certain DX news first, but in my experience very little of it did not eventually appear in other freely accessible sources, which I will continue to glean (gh)

ISWC POPULARITY POLL This is the big one, upon which ISWBCers brag. On a postcard, list your 5 favorite SWBC stns in order of preference; deadline 28/2. You may also add in 30 words or less, reasons for your first choice, and be eligible for prize. A free sample of the ISWC bulletin is also likely. To: G.C. Gibbs, 118 Bournemouth Park Rd., Southend-on-Sea, Essex, SS2 5LS, England, UKOGBANI (SCDX, gh)

(Daily News NJ edn., 13/1, p. 50 via Mike Agner, NJ)
Now we know why AFRTS keeps plugging

"It's in the Bible" ABS spots, a clear violation of the separation between church and state (gh)

INTRUDER WATCH

THE SOVIET PULSER The editorial staff at the

Norwegian paper Verdens Gang called the CIA in Washington, where Mr. Jim Rattray confirmed these come from a powerful over-the-horizon-back scatter radar that is part of a new Soviet defence system, not operative yet only testing. There are at least four transmitters in the Kiev and Nicolayev area. The point seems to be to spot ICBMs as soon as they are fired off from the USA. Also the USA are erecting similar OTH radar stations, one on the West coast and one in Maine, constructed by General Electric. The interference problem is enormous. Norwegian telecommunication reps feel SW radar will push forward satellite communication. Speculation that this will mean goodbye and farewell to DXing if it goes on, unfortunately is only too true (Rolf Løvstrøm, DXer and journalist at Verdens Gang, Oslo, in SCDX 4/1) Its directional beam sweeps across northern Europe and reflects off the Arctic ionosphere to scan the U.S. for missile launchings. QRM seems to be most severe in Scandinavia ...the Russians have cut back the Kiev buzz saw's schedule from hours at a time to one- and two-minute bursts... (Time, 10/1 p. 27 via Mark Bixby, CA) Tnx also for newspaper clippings from Bob Foxworth, Diane Levesque, Daniel Luce (gh) Bandwidth also reduced, noted on 7350 at 2300 6/1, only QRMing Prague-7345, not Moscow-7355! (gh) Military at it again. 6/1 at 0917-0924 on 5995, blanking Melbourne, on AM, heard RKA and RIK, then pulsing tone (Jim Conrad, IA)

DON'T YOU BELIEVE...

...that the Quick-Reference List, which is what QRL means, will appear each month. It's logistically unfeasible to compile a list that is both accurate and reasonably complete any more often than twice a year. ...that I will be able to use this office IBM typewriter every month; it requires a 'lost weekend' away from my beloved dials at home. ...that this is a 10-page LN: increased space between items amounts to an entire page lost; is it worth it? ...that NASWA has a poor turnout for a club of 1400. In Nov, 812-member Benelux DXC had only 9 log contributors (gh) ...that Seiichi Hosono, Jan LN-7, is a pseudonym. Name actually means Honest One Narrow-Field, but could mean Honest One of the Broadcast if written in different Chinese characters. Pronounced 'hossono', while hōsō is 'hoh-soh' (=broadcast), but latter also means packing, small-pox, judicial officers, each written differently (Toshimichi Ohtake, PA)

Important Announcement

As this issue of FRENEX goes to press, there is a possibility of a change in the editor for the LISTENER'S NOTEBOOK section. This cannot be confirmed at this time, and since there is some uncertainty, it is suggested that all contributions for the March LN be sent to NASWA, P.O. Box 13, Liberty, IN 47353 for forwarding to the proper person. The March FRENEX will announce more on this subject.

HELPING HAND: For sale. Drake SPR-4 receiver, two years old. Excellent condition; covers BCB, 120, 90, 75, 60, 49, 40, 31, 25, 19, 16, 15, 13, and 10 meter bands. Factory alignment June 1976. Manual included. \$400.00 including UPS shipping. Contact Ken Duke, 5038 Bridgeport Road, Columbus, OH 43220 or call 614/457-9548.

HELPING HAND: For sale. Hufco frequency meter, model TWS-6 covering frequencies up to at least 30 MHz. Original price \$90.00 one year old. Best offer gets it. UPS shipping included. Contact Jim Conrad, 545 Kirkwood Avenue, Waterloo, IA 50701.

HELPING HAND: For sale. Gilfer M-1 antenna tuner, brand new. \$32.00 including shipping. Contact Ed Pyatt, 1200 Columbia Avenue, Apt. 510 East, Philadelphia, PA 19122.

HELPING HAND: For sale or trade. Send SASE for my list of old radio tubes, magazines and literature of the 20's, 30's, etc. Contact Harold L. Hasbrouck, 1157 Palms Boulevard, Venice, CA 90291.

HELPING HAND: Wanted. Crystal for 13 meter band for Allied SX-190. Contact Chris McClanahan, 1106 Camino Coronado, Rhonert Park, CA 94928 or call 707/795-5958

HELPING HAND: For sale. Drake SSR-1 receiver with manual. Purchased June, 1976. Will ship in original carton. Asking \$190.00 including shipping. Contact Leonard Fluhart, 389 Mead Street, Zanesville, OH 43701 or call 614/453-5821.

HELPING HAND: For sale. Drake SW4A, near mint with manual. Also brand new Copel 24 hour digital clock, Superex headphones, and \$20.00 worth of SW books. All for \$260.00 postpaid. Contact Stark Wagner, RD #2 Tyson Mill Rd. Collegeville, PA 19426.

HELPING HAND: For Sale. AN/USM-105A 14 MHz dual trace oscilloscope, Requires calibration; write for data. \$365 delivered in Alta., Sask., or Man. Contact Phil Schnabel, Box 442, Warman, Saskatchewan CANADA S0K 4S0.

HELPING HAND: For Sale, Barlow Wadley XCR-30 1 year old mint condition. \$220 includes shipping, insurance tech manual & original packing. Contact David Potter, P.O. Box 2698 Key West FL 33040. Phone 305-294-4724.

PUBLISHERS NOTE: As mentioned on page 3, I bought a house and will be moving around the end of February. My new home address will be 409 Indiana, Park Forest, IL 60466.

HELPING HAND: For sale: Barlow Wadley XCR-30, serial #1056, recently realigned and reconditioned by Gilfer; includes service manual. \$200, includes shipping. Contact Dave Walcutt, P.O. BOX 1051, Carbondale, IL 62901. 618-549-6256.



北京广播电台 RADIO PEKING



QSL REPORT



BILL OLIVER, EDITOR
45 Wildflower Road
Levittown, PA 19057

FEBRUARY 1977

We have a nice, peaceful month. Only 96 countries including Sudan which Pitt McNeil verified, but there are some interesting stations in the list. I want to get this finished before the oil in my typewriter freezes, so here we go....

ALBANIA: R. Tirana, 6200, f/d "L'Esprit Revolutionnaire" card in 78 days after 2 tries and 1 IRC. Freq was given as 49 mb. (Alvi-SASK): 7065, same card in 64 days for EE rpt. No rp. (Ihnat-PA).

R. Peking Relay, 9780, beautiful "Red Flag Canal" card w/o time in 2 weeks. After 8 tries I've finally verified Albania! (Hywarren-MAN): 7120, card w/o time, "Learn to Speak Chinese" booklet, skeds and promise of mags in 3 weeks. No rp. (Schulman-NY).

ALGERIA: RTV Algerienne, 11810, f/d "Symbol" card in 1 month for EE f/up rpt on AA xmsn. No rp. (Hywarren-MAN).

ANDORRA: 6230, "Mountain Scene" card in FF with freq and verie statement from Andorra in 41 days. Report was sent to World Music Radio with Dutch mint stamps. VIC #100! (Bishop-PA). Very nice, Gerry! ed. (Radio Andorra).

ANTIGUA: BBC Relay, 6195, f/d "Thames" card in 65 days. Data on back of the card above my name lists Antigua, 6195 kHz, Oct. 22, 1976, 2000-2030 GMT." How much more "fuller" can you get? (Brunner-PA); "Bridge" card in 21 days for 1 IRC. (Rockwood-OH); no-data card in 7 weeks. No rp. (Smith-NY); card w/"Antigua" typed on it in 2½ months. No rp. (McNeil-DC); two "Bridge" cards w/"Antigua" on them from London in 51 and 45 days. No rp. Also got a prepared card from the island in 22 days on which I put a mint stamp. (Bishop-PA); "Thames" card w/site in 67 days. No rp. (Mikell-IL): 6175, f/d card and letter in 3½ months for rpt on test xmsn of tones as reported by others. Second f/d Antigua card. No rp. (Overcamp-SC): 6175/6195, typed letter from D. Gallop and inspecific "Thames" card in 3 months for first xmsn. (Padula-AUST).

Deutsche Welle Relay, 9545, card with full data and xmtr site in 6 weeks for rpt on first day's xmsn. V/s Thiele sent an accompanying note which said that "as a special exception" the full data card was being issued in recognition of my routine monitoring extending over some 12 years. Country #2041 (Padula-AUST): 6040, no-data "Circles" card in 60 days for EE rpt and 1 IRC. Also sent a self-addressed envelope which was used and supposedly required for full data site cards, but no such luck. (Mayer-IL).

ASCENSION IS: BBC Relay, 9600, no-data, no-site "Thames" card in 60 days. No rp. (Hoffman-PA).

ASIATIC RSFSR: R. Moscow via Krasnoyarsk, 11710, "Kalinin Prospekt" card in 1 month for aerogramme rpt. No rp. (Nikolich-IL). Via Blagoveschensk, 11940, f/d card in 1 month for Australian Svc. (Legge-VA). Via Petropavlovsk-Kamchatka, 15455, f/d card in 1 month for NA Svc. (Legge-VA): 15140, "Rocket Monument" card in 44 days. No rp. (Cohen-NJ).

AUSTRALIA: R. Australia, 5995, f/d card in 36 days for 2 IRC's. (Richardson-NY): 15190, card in 7 months. No rp. (Cohen-NJ): 9560, card in 4 months. (Barto-CT): 15320, f/d card, sked, pennant and Australian travel info in 5 months. No rp. (Kay-NY); sked and letter from P.B. Kock promising a personal acknowledgement over the air on Jan. 16 received in 19 days. (Myers-AZ); "Carnarvon Antenna" and special "ARDXC" cards in 6 months. No rp. (Cohen-NJ) Special "ARDXC" and "RA 30th Anniversary" cards in 10 weeks for 15 freqs from Shepparton, Lyndhurst and Carnarvon. RA cards show Carnarvon antenna towers; ARDXC cards show official ARDXC Emblem. Both cards are full data. The RA card was issued for correct rpts on any RA program broadcast during July, 1976. The ARDXC card was issued for correct rpts on "DXers Calling" programs broadcast during July and is analogous to the card issued by SPEEDX for the DX program over HOJB. Verie signers were Robert Hanner, Peter Bunn, Robert Chester and myself. You probably know that "DXers Calling" is written by these ARDXC members on a rotation basis. All rpts for "DXers Calling" were

passed on to us from RA. We prepared the ARDXC cards and returned them to RA for issuance of their cards. They most kindly offered to send out both cards jointly.

System of counting "stations" in ARDXC differs from the NASWA method. ARDXC considers this a separate station for QSL purposes, i.e., ARDXC via R. Australia. We will probably make the special ARDXC card available again during 1977, most likely during the ARDXC Convention at Easter. (Padula-AUST).



AUSTRALIAN RADIO DX CLUB

"Australian DX News"
(Monthly Journal of A.R.D.X.C.)

This card verifies that Jon Cohen.....

heard "DXers Calling" over Radio Australia via Shepparton..... (100 kilowatts),

on 15320 kHz, from 0241 - 0251 GMT, on July 11, 1976

Happy Bicentennial!



Bob Padula

Enquiries regarding membership are always appreciated, for which return postage (in the form of sufficient International Reply Coupons) should be included

DXers Calling Editor,
on behalf of the A.R.D.X.C.
P.O. Box 227, BOX HILL,
Victoria, 3128
AUSTRALIA

- VLM4-Brisbane, 4920, f/d blue map card in 13 days for 1 IRC. (Rojewski-WA); same card in 16 days. No rp. (McManus-BC).
VLR9-Melbourne, 9680, f/d black map card w/ABC station sites in 22 days for 1 IRC. (Rojewski-WA).
VNG, 4500, f/d letter in 2 weeks. No rp. (Swanson-IA); f/d letter in 40 days for 1 IRC. (McManus-BC).
AUSTRIA: ORF, 15335, f/d silver card, rpt forms and sked in 15 days. No rp. (Hathaway-IL): 9770, QSL card in 50 days for 1 IRC. (Schneck-MO); card, letter, bumper sticker, maps, travel folders and everything except a new receiver in 45 days. No rp. (Nicolosi-NJ).
AZERBAIJAN SSR: R. Moscow via Baku, 21490, f/d card in 1 month for African Svc. (Legge-VA).
BELGIUM: BRTV, 9725, f/d ORU card and sked in 32 days. No rp. (Richardson-NY); same card, black/orange/red pennant and a copy of the Nov. 25th "Mailbag" in which my name was mentioned. Received in 45 days. No rp. (Gionet-NB) 11940, f/d blue/white card and sked in 13 days for 1 IRC. (Rojewski-WA).
BOUGAINVILLE IS: R. Bougainville, 3322, f/d letter in 2 months for 1 IRC. (Legge-VA); letter from station in 4 weeks for 1 IRC. (Schneck-MO).
BRAZIL: R. Nacional, 15245, f/d card in 48 days for 1 IRC. (Crater-KS): 11780, f/d card in 30 days for 1 IRC. (Schneck-MO).
R. Brasil Central, 4985, f/d letter in 35 days for PP rpt and mint stamps. (Hardester-OKINAWA).
R. Cultural de Sao Paulo, 17815/9745, personal letter and large color booklet in 2 months. V/s Jose Carlos da Silva. Address: Rua Engenheiro Reboucas No 920, Sao Caetano do Sul 9500. (Barto-CT).
R. Guaiba, 11785, f/d QSL letter in 25 days for PP rpt and 1 IRC. V/s Enio Berwanger. (Mikell-IL).
BULGARIA: R. Sofia, 9700, "University of Sofia" card w/o freq, sked and info on Bulgaria in 68 days. No rp. (Davenport-TN); f/d Pamporovo" card, little blue pennant, rpt forms and nice letter in 200 days for 1 IRC. This is card #4 of a set of 6. (Rockwood-OH); same f/d card in 205 days for R. Sofia rpt form. No rp. (Hoffman-PA); f/d "Climet of Ohrid" card and sked in 239 days for 2 IRC's. (Rojewski-WA); f/d "Nessebar" card and pennant in 7 months. No rp. (Pearson-PA); same f/d card in 2 1/2 months. No rp. (Bishop-PA).
BYELORUSSIAN SSR: R. Moscow via Orsha, 7100, f/d "Moscow U" card in 31 days. No rp. (Schipelliti-MA).
CANADA: CBC Northern Svc, 9625, card with complete info in 4 months. No rp. (Nicolosi-NJ).
CFRX, 6070, "Carnival" card w/o time in 6 weeks for local postcard. V/s D. Lumley. (Overcamp-SC).

CFCX, 6005, "Studio Building" card w/o time in 3 weeks for 10¢ Canadian stamp. (Overcamp-SC).

CHU, 3330, "Sir Sanford Fleming" card w/freq only in 20 days. No rp. (McManus-BC).

BBC Relay, 9510, no-data "Thames" card w/"Sackville" typed on it in 20 days. No rp. (Alvi-SASK): 6175, "Sackville Relay" card and attached note w/time and freq on it which corrected my assumption of Antigua. Note said "Xmsn was from Sackville at 2300 GMT. Antigua takes over 6175 kHz at 0430-0730." So! An inadvertant partial data card and note. (Ravenhorst-MN); no-data, no-site "Thames" card in 61 days. No rp. (Hoffman-PA).

Deutsche Welle Relay, 6085-Sackville, f/d card in 4 months for self-addressed return envelope. (Legge-VA).

CHILE: R. Universidad de Concepcion, 6135, EE letter, pennant and postcards in 2 months. V/s Carlos Godoy Rocca, Director. (Barto-CT).

CHINA: R. Peking, 11945, "Yao Mts." card w/o time, another lapel pin, sked and nice letter in 19 days for 1 IRC. (Richardson-NY): 9940, card, mags and sked in 25 days. No rp. (Green-TX): 9860, card in 25 days with note that mags would be coming. No rp. (McManus-BC).

COLOMBIA: R. Sutatenza, 5075, f/d EE/SS folder QSL in 151 days for SS rpt and 1 IRC. (Gionet-NB).

R. Cinco, 5040, nice Christmas card w/call sign and freq on it and also "Felicidades....1977" received in 1 year, nine months for SS rpt, mint stamps and postcards. For "loose constructionists" like me, this counts as a QSL. (McNeil-DC); card in 2 months. (Barto-CT); freq-only Christmas card in 3 months for 1 IRC. (Legge-VA).

R. Sante Fe, 4965, received only a station sticker in response to my 3rd rpt. No letter, pennant, card, etc. for SS rpt and 1 IRC. (Mayer-IL).
COSTA RICA: R. Casino, 5954, card and pennant in 15 days for EE rpt and 2 IRC's. (Green-TX).

CYPRUS: BBC Relay, 15420, no-data "Bridge" card. No rp. (Ravenhorst-MN): 7140, n-data "Bridge" card and sked in 4 months. No rp. (Schulman-NY).

CZECHOSLOVAKIA: R. Prague, 7345, f/d card and first day stamp covers in 60 days for 1 IRC. (Rockwood-OH); f/d "40th Anniversary" card in 32 days. No rp. (Hoffman-PA); same card and mags in 60 days. No rp. (McManus-BC).

DENMARK: R. Denmark, 15165, f/d card in 21 days for 1 IRC. (Schneck-MO); f/d black/white "Radiohouse Tower" card in 11 days for 1 IRC. (Hoffman-PA).

ECUADOR: La Voz del Napo, 3280, hand-written personal letter 11 months after SS rpt, mint stamps and tape and 19 days after 4th f/up. V/s Marcia Gutierrez. (Lazarus-LA). Very nice, Henry. You have more patience than I do.

R. Federacion, 4960, SS letter in 1 month for 1 IRC. (Legge-VA).
Emisora Gran Colombia, 4910, no-data verie letter and used stamps from Ecuador in 21 days for SS rpt and mint stamps. V/s Eduardo Cevallos. (Mayer-IL).

R. El Mundo, 4750, date-only "Globe" card in 15 days for SS rpt. No rp. V/s Gabriel Vergara Jimenez. (Mikell-IL).

HCJB, 6185, "Llama" card and sked in 5 months. (Padula-AUST): 9560, f/d "Doll" card in 28 days. No rp. (Luce-TX): 6095, f/d "Clown" card in 21 days. (Myers-AZ): 11915, f/d "Llama" card, pennant and sked in 12 weeks. No rp. (Schulman-NY).

EGYPT: R. Cairo, 9475, card w/Seasons Greetings, postcard, sked and questionnaire in 243 days for EE rpt and postcards. This is the 2nd time I have received this reply. I have yet to get a full data card. (Poppin-CA).

ENGLAND: BBC, 9410, "Bridge" card for World Radio Club in 27 days. No rp. (George-TX): 5975, no-data card in 63 days. No rp. (Butler-TX): 6150, no-data card in 19 days. (Myers-AZ).

VOA-Woolferton, 9760, "Stamps" card w/o time but w/site in 5 days. V/s Vivian Stahe. (Richardson-NY); f/d card in 10 days. No rp. (Alintuck-MA)

EUROPEAN RSFSR: R. Moscow via Moscow, 9530, card in 39 days for rpt form. No rp. (Richardson-NY). R. Moscow via Moscow, 6010/7350/9700: via Armavir, 7200: via Serpukhov, 15450, "CMEA", "Moscow U" and "Kalinin Prospekt" cards, sked, "Moscow Mailbag" notice and pennant for 5 rpts received in 31 days. No rp. (Schipelliti-MA): 11730, card in 30 days. No rp. (Green-TX): 7290, card and sked in 100 days for 1 IRC. (Schneck-MO): 15440/15395, cards in 3 months. (Barto-CT).

FINLAND: R. Finland, 15110, "Autumn" card, sked and "Hear Finland" mag in 20 days for 1 IRC. (Richardson-NY): 6105, f/d "Winter" card, sked, 2 "Hear Finland" mags and pennant in 35 days. (Gercken-IL).

FRANCE: RFI, 15200, f/d "L'île de la Cite" card in 15 days for aerogramme rpt. No rp. (Hoffman-PA): 15300, same f/d card in 55 days. No rp. (Cohen-NJ)

FRENCH GUIANA: France Regions 3, 3385, card w/freq only in 255 days for FF

rpt and mint stamps. (Hardester-OKINAWA); usual no-data card in 3 weeks for NASWA FF rpt and mint stamps. I enclosed a prepared f/d FF QSL but it was not returned. I'll get something from them yet! (Overcamp-SC).

GERMANY (E): RBI, 21540, f/d "10 Years RBI DX Club" card, RBI Journal and personal letter in 36 days. No rp. (Richardson-NY): 17880, f/d "Series Berlin #5" card in 36 days for 1 IRC. Promise of sked, mags and pennant under separate cover. (Hoffman-PA).

GERMANY (W): Bayerischer Rundfunk, 6085, card picturing a woman playing a saxophone which has a rainbow coming out of it w/freq and date in 8 days for EE rpt and 1 IRC. (McNeil-DC).

Sender Freies Berlin, 6190, "Map/Design" card w/freq and date, guide and full sked in 8 days for EE rpt. No rp. (McNeil-DC).
Sddeutscher Rundfunk, 6030, QSL w/freq and date in 2 months for EE rpt. No rp. (Hywarren-MAN).

RFE, 9695, blue/white card w/o time or freq in 8 days. No rp. (Schulman-NY).

VOA-Munich, 9770, f/d card in 14 days. No rp. (Alintuck-MA).
Deutsche Welle, 9615/11865, no-data card which was filled in on request in 3 months. No rp. (Hywarren-MAN): 9565, no-data card and 2 "Hallo Friends" mags in 60 days. No rp. (Davenport-TN).

GHANA: GBC, 4915, f/d card in 11½ months for EE rpt, 1 IRC and mint US stamps. Card was stapled to sked and took 6 days for arrive from Accra according to the postmark. Postage was 25 pesewas. (Cramton-IL).

GREECE: V. of Greece, 9760, f/d card in 22 days for 1 IRC. (Nikolich-IL): 9675/11730, separate f/d cards and skeds in 3 and 4 weeks. (Padula-AUST): 9760, card in 23 days for 2 IRC's. (Green-TX).

GUATEMALA: TGNA, 3300, f/d "quetzal" card in 16 days for EE rpt and 2 IRC's (Luce-TX).

La Voz de Nahuala, 3360, f/d plain card and attractive pennant in 9 months for 1 IRC. (Legge-VA).

R. Maya, 3325, f/d card in 1 month for rpt on Kanjobal xmsn and 1 IRC. (Legge-VA).

GUINEA: Rdiff. Nationale, 7125, f/d letter in 2 months. No rp. Letter requested 2 IRC's for all future correspondence. (Schulman-NY).

GUYANA: GBS, 3290, f/d form letter from Diana Keelan in 3 weeks for 1 IRC. (Legge-VA).

from
SAM
BARTO

**RADIO
CLUBE
DE
ANGOLA**
INSTITUÇÃO DE UTILI-
DADE PÚBLICA
CR 6 RA
CR 6 RC
CR 6 RL
CR 6 RN
Ca. POSTAL 229
END. TELEG.:
RADANGOLA
LUANDA
(ANGOLA)
AFRICA OCIDENTAL
PORTUGUESA



HAITI: 4VER, 11835, f/d card and prayer letter in 76 days for 1 IRC. (Schneck-MO); f/d card, info and prayer sheet in 69 days for mint stamps which were used on the reply. (Hall-NY); f/d "Lady with Bucket" card, sked, form letter and religious pamphlet in 189 days for a 15¢ stamp sent as a gift. (Schipelliti-PA).

HONDURAS: HRVC, 4820, f/d map card in 18 days for 1 IRC. (Cohen-NJ).
R. Progreso, 4920, letter in 25 days for EE/SS rpt on SS xmsn, 2 IRC's and a picture. (McManus-BC).

HUNGARY: R. Budapest, 21525, black/white "Panorama Series" card and sked in 8 weeks. Very pleased with this QSL as it is the first time I've QSLed Budapest on 13 mb. (Padula-AUST).

INDIA: AIR, 9525, "Elephant" card, sked in 160 days. No rp. (Nicolosi-NJ).

INDONESIA: RKPD Tingkat II Sumbawa, 3777, f/d letter from Drs. Umar Hasan in 3 months for f/up Indo rpt. Says freq is nominally 3775 kHz. (Henderson-MD).

RRI Tanjungkarang, 3395, nice EE letter in 3 weeks for mint stamps and Indo rpt. It would appear that an EE rpt would be all right to this station. V/s Syafei Zainuddin. (Sparks-CA).

IRAN: NIRT, 7043, card and pennant in 1 1/2 months. (Barto-CT).

IRAQ: R. Baghdad, 9745, f/d "Nap/Bridge" card, photos and pamphlet on marshes in 90 days. No rp. (Hall-NY).

ISRAEL: IBA, 9815, f/d card, sked and rpt forms in 47 days. No rp. (Butler-TX); f/d card, sked and short note on refugees in 54 days for 3 IRC's.

(George-TX): 11625, f/d card in 12 days. No rp. Still haven't been able to get their pennant. (Hardester-OKINAWA): 7412.5, f/d card in 49 days for 1 IRC. (Pearson-PA): 12045, card, sked and rpt forms in 6 weeks. Finally got around to reporting on this freq which was my nominated freq of some months ago and which has turned out to be the most effective and reliable for the 0500-0530 GMT xmsn to Australia. (Padula-AUST): 11625/9815/7460/7412/9435, two cards in 39 and 42 days for rpts on EE and Hebrew xmsns. No rp. (Poppin-CA). All cards mentioned were "Knesseth Menorah".

ITALY: RAI, 11810, f/d card in 8 months. No rp. (Richardson-NY); f/d "Il Settimento Italiano" card with a "Thank you" for my rpt in 210 days for EE rpt on Italian xmsn to SA. (Poppin-CA): 9575, f/d "Michelangelo" card in 126 days. No rp. (Alvi-SASK).

JAPAN: R. Japan, 15300, card in 18 days for 1 IRC. (Schneck-MO); "Hakata Doll" card w/o time, sked, "R. Japan News", station info and rpt form in 20 days. No rp. (Richardson-NY): 11800, "Noh Mask" card in 2 weeks. No rp. (Conover-PA): 15105, same card w/o time in 26 days with "R. Japan News". No rp. (Hoffman-PA); same card w/o time, "R. Japan News" and reception log in 12 days. Competes with R. Peking in quality and speed of reply. (Poppin-CA): 9505, same card w/o time in 25 days with "R. Japan News". No rp. (McManus-BC).

NSB, 6055 (JQZ2), f/d JJ blue "Constellation" card in 16 days for 1 IRC and taped JJ rpt. (Rojewski-WA).

JORDAN: HSB, 7155, f/d "Petra" QSL in 1 month for EE rpt on AA xmsn. No rp. (Overcamp-SC).

KOREA (S): KBS, 11860, f/d "Autumn" card, 2 skeds and rpt form but no pennant in 4 months. (Gercken-IL).

KUWAIT: R. Kuwait, 11845, f/d card in 15 days for 1 IRC. (Schneck-MO); f/d folder QSL and sked in 80 days. No rp. (Schipelliti-MA): 9580, QSL folder w/country abd station info and sked in 6 weeks. No rp. (Rosenbaum-NY).

LIBERIA: ELWA, 4770, f/d "Native Drummer" card in 68 days for EE rpt and 1 IRC. Xmsn listed as 10 kw to West Africa. (GionetONB).

VOA-Monrovia, 5110, f/d card and letter on Monrovia 3SB xmsns in 260 days. No rp. V/s Monica Reyes. (Hardester-OKINAWA).

LIBYA: Peoples' Revolution Broadcasting, 6185, EE letter w/only verie statement in 82 days for EE rpt. No rp. V/s B.S. Buzed. (Gionet-NB).

LITHUANIAN SSR: R. Vilnius, 7355, f/d green/white "Flower" card, sked and pennant in 177 days. No rp. (Hoffman-PA): 9720, card in 46 days for 2 IRC's. (Green-TX).

LUXEMBOURG: R. Luxembourg, 6090, f/d "Antenna/Coat-of-Arms" card in 61 days for EE rpt on EE xmsn and 3 IRC's. (Conrad-IA); same f/d card in 97 days. No rp. (Mikell-IL); same f/d card in 12 days for 1 IRC. (Hoffman-PA).

MALAGASY REP: R. Nederland Relay, 11730, f/d "Happy Station" card w/site, pin abd bumper sticker in 23 days for aerogramme rpt. No rp. (Hoffman-PA).

MALAYSIA: BBC Relay, 15435, no-data "Bridge" card in 73 days. No rp. No site on card although it was requested. (Cohen-NJ).

MALI: Radiff. Nationale du Mali, 4783, f/d card in 36 days for FF rpt and 2 IRC's. (Hardester-OKINAWA).

MALTA: R. Mediterran, 6080, f/d letter and info in 2 weeks. No rp. V/s Victor Aquilina. (Schulman-NY).

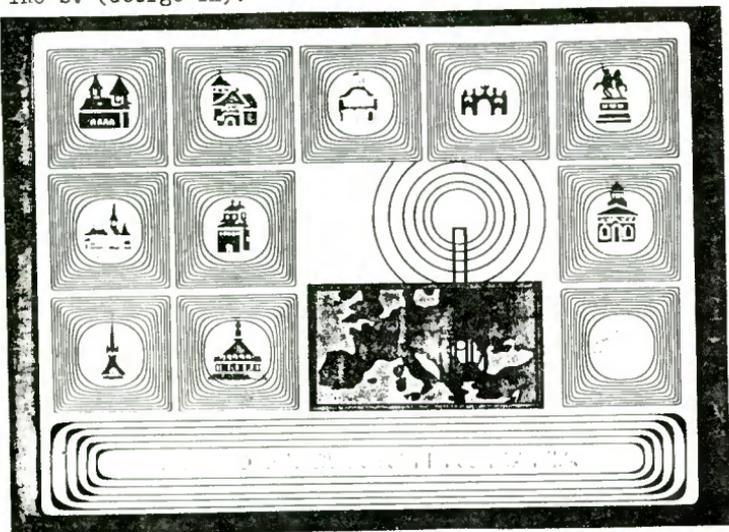
IBRA, 6080, f/d Malta map card and pennant in 6 weeks. No rp. (Overcamp-SC); f/d map card in 32 days for 1 IRC. (Cohen-NJ).

Deutsche Welle Relay, 6100, f/d card w/site in 6 weeks. Note from v/s Thiele said card was issued full data "as a special exception" for my long involvement in monitoring. (Padula-AUST); card and pennant in 31 days for 2 IRC's and EE rpt. (Green-TX).

MAURITANIA: Rdiff. Nationale, 4845, card w/o date in 70 days for 1 IRC. (Schneck-MO).

MEXICO: R. Mexico, 15385, 3 f/d QSL form letters with details galore on special xmsns of July 17,24 and Aug. 4, 1975 for EE/SS/FF rpts. Veries were all in 1 envelope with questionnaire and tourist info, but no pennant or map

of Mexico as promised. Nevertheless, happy to receive the QSLs. (Gionet-NB).
MONACO: TWR, 7105, card in 16 days for 2 IRC's. (Green-TX).
MOROCCO: VOA-Tangier, 9760, f/d card and letter explaining pennant policy in 10 days. No rp. (Alintuck-MA): 11935, f/d "Capitol" card in 8 days. No rp. (Conover-PA).
NETHERLANDS: R. Nederland, 11730, f/d "Happy Station" card in 30 days for aerogramme rpt. No rp. Site on card. (Hoffman-PA); f/d "Harry van Gelder" card in 43 days. No rp. (Cohen-NJ).
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, card in 14 days. No rp. (Schneck-MC); f/d "Harry van Gelder" card, postcards, sked and tourist map of Holland in 52 days. (Myers-AZ).
NEW BRITAIN IS: R. East New Britain, 3385, f/d map card in 6 weeks for 1 IRC. (Legge-VA).
NEWFOUNDLAND: CKZN, 6160, card w/o time in 15 days for 1 IRC. (McManus-BC).
NIGERIA: V. of Nigeria, 7275, f/d "Flag" card in 18 days for taped rpt. They returned my IRC's! (Luce-TX).
NORWAY: R. Norway, 15345, f/d "Winter Scene" card, sked, small flag in 22 days for 3 IRC's. (George-TX).



PAKISTAN: R. Pakistan, 11672, form letter with freq and "OK" written on the bottom in 76 days. (Hall-NY).
PAPUA NEW GUINEA: NBC, 4890, f/d map card in 30 days for EE rpt and 3 IRC's. (Crater-KS); same f/d card in 24 days for 1 IRC. (Rojewski-WA).
 R. Eastern Highlands, 2410-Goroka, letter in 2 weeks for mint stamps. V/s A.R. Nase, Station Manager. (Sparks-CA): 3925, f/d map card in 1 month for 1 IRC. (Legge-VA).
PERU: R. Atlantida, 4790, SS letter in 52 days with about 40 used Peruvian stamps for SS rpt and 1 IRC. Very friendly letter but no mention of verie in it. V/s Julio Reategui Burga. (Gionet-NB); letter w/info on country in 98 days. Also received a note from "una chica" named Socorro Saavedra Angulo who wants to be a pen-pal and who requests that I send her "Playboy" mags! (Hall-NY). Socorro is 24 years old. Anybody want the address? ed.
PHILIPPINES: R. Veritas, 9645/11875, "Quezon City Studios" card, sked and nice selection of used Philippine stamps in exchange for the Australian ones I had sent. Received in 3 weeks. V/s Mrs. Connie C. Javier. (Padula-AUST).
 VOA-Tinang, 11760, beautiful f/d "Stamps" card and sked in 1 week. No rp. (Schulman-NY).
POLAND: Polish Radio, 9675, f/d card and letter in 43 days. Very friendly! (Schneck-MC): 6135, f/d "Heraldic Arms" card, postcard and letter from Lech Stanislawski in 57 days. No rp. (Hall-NY): 6185/7270, f/d cards and letter from Lech in 54 days for 1 IRC. The card for 6185 kHz has 6135 kHz verified. For some reason they refuse to acknowledge 6185 kHz. Lech says they will be reading rpts on "Mail Bag" sessions per my suggestion. (Rockwood-OH).
RHODESIA: RBC, 3396, f/d gigantic map card in 120 days for 1 IRC. V/s C. Woodard. (Hall-NY); card in 15 days for 2 IRC's. (Green-TX).

ROMANIA: R. Bucharest, 5990, card, info and very nice letter with travel folder in 3 months. No rp. (Nicolosi-NJ): 9690, f/d "United Nations Square" card, sked and Listeners Club info in 133 days for EE rpt and a gift of flower seeds. No rp. (Schipelliti-MA)

RWANDA: Deutsche Welle Relay, 7225, f/d "Afrika" card in 116 days for 1 IRC. (Hall-NY): 11785, f/d "Afrika" card w/site in 6 weeks. My best Kigali QSL as this freq is used for daytime only and is rarely heard here. Logged recently for first time in many years at 1045 GMT. (Padula-AUST).

R. Rwanda, 3330, card with EE/FF text but no details. This outlet heard here here in Australia for the first time this last DX season and QSL valued accordingly. (Padula-AUST).

SARAWAK: R. Malaysia, 4950, f/d "Station" card in 26 days for 1 IRC. (McManus-BC).

SAUDI ARABIA: BSKSA, 11855, f/d plain card in 108 days by registered mail for EE rpt and 1 IRC. (Hofmann-PA).

SICILY: RAI, 6060, f/d "Painting" card in 6 months for EE rpt. No rp. (Hywarren-MAN).

SIERRA LEONE: SLBC, 3316, f/d "Coat-of-Arms" card in 1 month for mint stamps and f/up on previous rpt. V/s Alpha Sesay. VIC #100. (Overcamp-SC).

SOUTH AFRICA: R. RSA, 21535, f/d card and "RSA Calling" in 17 days. No rp. (Richardson-NY): 9585, f/d card and "RSA Calling" mag in 22 days. No rp. (Butler-TX): 11900, f/d card in 23 days for aerogramme rpt. No rp. (Hoffman-PA); f/d card in 35 days for 1 IRC. (Luce-TX). "Drakenburg" card rpted.

SUDAN: R. Omdurman, 5039, letter with sked and verie statement with only date, (but then again, they still list 4994 kHz for the 5039 kHz freq) in 1 month for EE Gilfer rpt and postcards of DC. No rp. V/s Abdullahi A. Rahman, Public & International Relations Dept. (McNeil-DC).

SWAZILAND: TWR-Manzini, 3275, f/d card in 1 month for EE rpt and 1 IRC. V/s Mrs. E. Platt. VIC #118! (Nikolich-IL): 11955, f/d folder card in 3 weeks for 1 IRC. (Legge-VA).

SWEDEN: R. Sweden, 9695, f/d map card showing xmtr sites in 46 days. No rp. (Butler-TX); same card and sked in 66 days. No rp. (Davenport-TN): 15305, same f/d card, sked and pamphlets in 18 days for 1 IRC. (Brown-OH).

SWITZERLAND: SBC, 21520, f/d "Palace of Nations" card in 47 days. No rp. (Richardson-NY): 5965, f/d "The Two Bobs" card in 68 days. No rp. (Butler-TX); f/d card and sticker in 43 days for 1 IRC. (McManus-BC): 9725, f/d "The Two Bobs" card in 2 months. No rp. (McNeil-DC).

R. Inter-Red-Cross, 7210, "Earphones on Globe" card w/o time in 38 days for EE rpt on test. No rp. Also received sked and QSL card for three-year old rpt with this rpt. (Mayer-IL).

TAHITI: R. Tahiti, 15175, no-data "Nudie" card in 77 days for FF rpt and 1 IRC. (Mikell-IL). Very popular card for some reason! ed.

TAIWAN: V. of Free China (BC), 17890, f/d card in 25 days for EE rpt. No rp. (Luce-TX).

TOGO: Rdiff. du Togo, 3222-Lama Kara, nice card in 7 weeks for FF rpt and 1 IRC. (Sparks-CA).

TURKEY: V. of Turkey, 9515, f/d card including power, sked booklet in 37 days for 3 IRC's. (George-TX); f/d "Hodja" card in 2 months for 1 IRC. (Nicolosi-NJ): 11880, f/d "Keloglan" card in 33 days for aerogramme rpt. No rp. (Hoffman-PA).

UGANDA: UBC, 9730, verie letter w/o time in 24 days for EE rpt and 1 IRC. V/s David R. Buga. (Crater-KS); verie letter w/o time in 43 days with a promise of sked when they are printed. Sent 1 IRC. (McManus-BC): 5026, mineo verie letter with right date, wrong freq (they put in 9730 kHz) in 2 1/2 weeks for Gilfer EE rpt and postcards. No rp. (McNeil-DC).

UKRAINIAN SSR: R. Kiev, 7150, f/d "Boy/Girl" card in 3 months for 2 IRC's. (Talbot-WI); f/d card in 40 days. No rp. (Crater-KS); f/d "Rusanivka" card, sked, form letter and questionnaire in 38 days. No rp. I asked for xmtr site but no luck. (Schipelliti-MA): 11735, card in 34 days for 1 IRC. (Green-TX): 15100, f/d "Palace of Culture" card, New Year card, "News from Ukraine" and cordial letter from Editorial Board of R. Kiev giving address for exchange of information on Rose Culture between San Francisco Rose Society and the Ukraine. Letter said, "We are happy to hear from you again, an old friend." Also received rpt forms, sked and questionnaire in 65 days. No rp. (Poppin-CA)

R. Moscow via Lvov, 6070, f/d card in 1 month for rpt form. No rp. (Richardson-NY). Via Vinnitsa, 5940, f/d "CMEA" card w/site in 38 days for rpt form. (Hoffman-PA). Via Ivano-Frankovsk, 7110, f/d "Moscow U" card in 31 days. No rp. (Schipelliti-MA).

UNITED STATES: WINB, 11775, f/d card, sked and complete station info in 15 days. No rp. (Schulman-NY).

WYFR, 11855, f/d card in 20 days. No rp. (Bishop-PA).
 United Nations Radio, 15410, card in 20 days. (Green-TX).
 VOA-Greenville, 5995, "Stamps" card w/date only in 1 month.
 No rp. I sent the VOA a full 1 1/2 hour rpt on July 4, 1976 and all I received was a regular "Capitol" card, but the "Stamps" card was well worth the 2nd rpt. (Hywarren-MAN).

APRTS, 6030, f/d blue/white card and info in 16 days. No rp. (Schulman-NY).

WVJ, 5000, f/d card in 2 weeks. V/s John B. Milton. (Swanson-IA): 2500, f/d "Chief Niwot" card in 2 weeks. No rp. (Overcamp-SC): same f/d cards received for rpts on five freqs. No rp. (McManus-BC).
 URUGUAY: R. El Espectador, 11835, plain card with verie message in 9 months for SS rpt and 1 IRC. I almost gave up on this! Card was dated 19 June and received 22 December! (Smith-NY); f/d SS card listing freq as "11.835 kHz" in 106 days for mint stamps. V/s Hector Amengual. (Bishop-PA); f/d card in 27 days for DD rpt and 1 IRC. (Mikell-IL).



from
 BILL
 SPARKS

and
 SAM
 BARTO



VATICAN: Vatican Radio, 11705, "Antenna" card in 12 days. No rp. (Richardson-NY).
 VENEZUELA: R. Nacional, 15390, form letter with date in 41 days for EE rpt. No rp. V/s Charlie Nash. (Carter-KS).
 R. Dif. Venezuela, 4890, letter with only date in 52 days for SS rpt and 1 IRC. V/s Antonio Cajade F. (Gionet-NB).
 R. Barquisimeto, 4990, card w/o time in 73 days for SS rpt and 1 IRC. (Gionet-NB).
 R. Juventud, 4900, "Dancers" card w/o time in 84 days for SS rpt. No rp. (Mikell-IL).
 VIETNAM (N): V. of Vietnam, 10040, f/d 5" x 7" piece of paper with official stamp in 139 days. No rp. (Bishop-PA): 15012, printed letter with details written in and greeting card-type sked in 9 weeks. (Padula-AUST).
 YUGOSLAVIA: R. Beograd, 9620, f/d QSL folder 1 year after EE rpt and 2 IRC's and 1 month after 3rd f/up. They also sent sked and New Year card. Everything came by registered mail. (Lazarus-LA).

What a winter! Terry Krueger writes that there's snow on the ground in Tallahassee, FL and Greg Ravenhorst sent me a note in which he said he was 300 miles north of Hollandale, MN doing a little ice fishing and skiing. Last time I checked, it was -46 degrees up there. Keep moving, Greg!
 Congratulations to Shirley and John Moritz on the new DXer in the family. According to the Hotline, Jeffery John arrived January 10. So far he has QSLed only HCJB and the Bonaire Relay of Radio Nederland, but we all have to start somewhere.

Lots of luck,

Bill

Deadline for March issue: February 12.
 Deadline for April issue: March 12.

naswa AWARDS reports

DAN HENDERSON, CHAIRMAN
317 BROCK BRIDGE ROAD—
LAUREL, MARYLAND 20810

JANUARY, 1977

The following report gives all awards issued during the period 1 October through 31 December 1976. All awards are listed in chronological order of issue.

EUROPEAN CONTINENTAL DXER

Henry Rockwood
John M. Kapinos
Ciro Guarducci
Larry Klassman
Carol D. Long
Jon Cohen
Peter J. Bowen
Dick Jacobson
Ross Taylor
C.J. Stark
Cyril Boone
Brian Mooney
Onil Gionet
Bruce Schoenfeld
Michael Camillo

SOUTH AMERICAN CONTINENTAL DXER

Henry Rockwood
Marlin Field
Larry Klassman

NORTH AMERICAN CONTINENTAL DXER

Bill Whitacre

DXER DE PACIFICA

Larry Klassman

ASIAN CONTINENTAL DXER

Pitt McNeil

WORLD WIDE DXER

Henry Rockwood
Ciro Guarducci
Carol D. Long
Jon Cohen
Kevin Likell
Ross Taylor
Peter J. Bowen
John M. Kapinos
Brian Mooney
Allan Lee Courtney
Michael Camillo

DX CENTURION

David Ball

ALL CONTINENT QRP DXer

Marlin Field--5 kw

MASTER NIGERIAN DXER

Richard T. Pistek

SENIOR ECUADORIAN DXER

Marlin Field

ECCLESIASTIC DXER

Onil Gionet
Gerry Bishop
C.J. Stark
James A. Conrad

VQA DXER

Jon Kapinos
Roger DeRoy

ARAB WORLD DXER

Henry Rockwood
Pitt McNeil
Robert C. Miles

Well, that's all for this quarterly report. It seems as if the number of awards applications have decreased slightly from last quarter. Most people seem to have mastered the requirements mentioned before: Send the cost in stamps (nothing larger than 13¢), coin, or check; and putting your names on each sheet. Hopefully all of you got your awards with no damage.

In the mill is at least one new award for which details will be coming out soon. Keep those suggestions coming, for when they are good, you can expect that a new award will be in the offing!

See you next quarter.

73
Dan Henderson
Dan Henderson
Chairman



DX HOTLINE

JOHN MORITZ JR.
4145 New Road
Youngstown, OHIO 44515
(216) 792-8627

FEBRUARY, 1977 PRENDX
Next deadlines: Feb 11,
Feb 22, Mar 11 and Mar
22.

INDIA - AIR, Bhopal 3315 from 1303-1325 with sub-continent music, anmts by W, and talk by W. Then what sounded like a speech. Gone by 1325. Fair to poor in noise. No other Indians noted this day. (Kent Corson, Iowa)
#Congrats Kit! jm

PAKISTAN - 4935 outlet listed as Islamabad in most recent BBCMS bulletin. Sked shows 0300-0400 and 1045-1245 in the Balti svc., with news at 0320-0330 and 1130-1140. Methinks this may solve a few site speculation problems we have had. jm

NEW HEBRIDES - Vila heard on 1/17 in FF w/talk and music. Poor in ham QRM. Heard on 3945 from 0915-0937, when QRMd out. Several IDs heard during this time. (Gerry Bishop, PA) #Nice going Ger! If anyone is interested, the TBS updater shows the following for Vila: 2kw. W 0030-0200 0545-1000v(Sun at 0900). EE at 0545, Pidgin at 0650 and FF at 0745. jm

NICARAGUA - Radio Atlantico(t) on 6121.6 daily during 1315-1330 period, with YL and OM SS talk, LA pops, commercials. Leaves around 1330, but carrier always noted long after. Horrible slip from VOA on 6125 despite .1 selectivity. How about some help with this one? (Rob Vokes, Texas) #You heard the man, get on this one! jm

PERU - Radio Jaen, 5005, from 0349-0415* at surprising level. Definite ID for Radio Jaen (Ahen). Mostly ballad type music with occasional anmts. Off with anthem. Very deep fades. (Kent Corson) #Nice Kit. This one listed at 250 watts folks! jm

VENEZUELA - (Assumed) 6010, Radio 1040, at 1039 in SS on 1/20 with LA pops with frequent IDs by YL as "Radio Mil Cuarenta." Name change for Radio Los Andes? Their MW freq. is 1040. Squeezed hard by Swan and Reloj. I did not hear Venezuela specifically, but feelsure its Los Andes with new slogan/name. (Jack Jones, Mississinipi)

ANDORRA - Radio Andorra, 6230, 0700-1000 GMT, exclusively in English with "International Program." Music, letters from listeners, occasional dx tips, much use of the word "dx." Address: EMA, World Broadcasting, Radio Andorra P.O. Box 39, French Post office in Andorra. The international service has non-stop music 1000-1100, followed by Dutch. The announcer said: "We'll do dx too, as soon as I figure out what it is all about." (Charles Wooten, Sardinia) #Thanks Charles. jm

ECUADOR - Radio Federacion, Sucua, verified 4960 reception, stating also operate on 3360 (5kw) and 3210 (10kw). So this is probably the 3360 Ecuad. being reported, since they would carry Indian languages. (Roger Legge, Virginia) #Jack, hope this helps you out. jm

DOMINICAN REPUBLIC - 3207a Voz de la Libertad 0000-0010 with vocal song by W, then M in SS with ment of Dom Rep, then another vocal, and ads. Poor in noise and RTTY QRM (John Moritz, OH)

SOMALIA - Radio Hargeisa on 11646a on 1/17 at 1440. Poor in utes, and 7120 not heard. Some talk by OM and local type chants. (Gerry Bishop)

VENEZUELA - 6190, Ecos del Torbes, at *1000 on 1/20 in SS, with NA, IDs, mention of 60 and 31 mb freqs. No mention of 6190, so evidently has not changed tape. Maybe using R 860 xmtr? (Jack Jones)

ANGOLA - RC de Cabinda, 5033v, from *0530 with anthem sung by chorus. S/on info by M. Big Ben like bells, more anmts and into drums and singing. This on 1/19. (Kent Corson)

AZORES - A very reliable source, who must unfortunately remain nameless, tells me that he read in a Portuguese publication over a month ago, that the Azores was slated to receive a new 120kw transmitter. Undoubtedly the one we have all been hearing. jm

LATVIAN SSR - Radio Riga, 5935. With the present mid-winter propagation condx, Radio Riga can be heard from about 2130 until 2200 sign off. A prgm in Swedish is transmitted Tu/Th/Sat. There is sometimes interference from another USSR station, with program in Russian, which signs on at 2130, and believed to be in Soviet Asia. (Roger Legge's USSR High Frequency Broadcast Newsletter, January 1977) #If you are interested in receiving this fine publication put out by Rog, send him \$3 for 12 issues, including overseas subscriptions, which will be sent airmail. What a deal, believe me! jm

BURMA - BBS, 5985 from 1536 to s/off, after anthem, at 1600. Mucho IDs, with some in EE. Cepting for the IDs, it was mostly continuous music. (George Poppin, California) #All you lucky people heading for the big dx event in California on Jan 29th, hosted by Bob Hill and Larry Nebron, will be treated to a talk by George on his recent trip to the Soviet Union, where he got to meet Mrs. S. jm

MONGOLIA - RUB verified in three months via Manhattan Beach, California. Figure that one out! (Kent Corson) Boy Kit, you sure have had some month, what with the logs and the RUB verie! jm

GUAM - TWR Agaña with a 100kw transmitter has a tentative shed. of 0900-1400 to South East Asia and the Far East on 11705, and 1400-1500 on 11850. (Arthur Cushen's Shortwave Review, in January New Zealand DX Times) #If I am not mistaken, this one due on sometime in February or March? jm

NIGERIA - NBC, Benin, on 4932, with African music heard poorly at 0631. Would have been tolerable if the mod was OK, but it was lousy. Too poor for lang ID (Alan Laves, Texas)

HELP WANTED - Brad Lovett, editor of the Miami Valley DX Club's "DX World" is looking for a publisher in the Ohio area. Bob Beck, the current pub. is leaving as of February. Anyone wishing to take on the job please contact Brad at 421 East College Street, Coldwater, OH 45828.

ICELAND - 12175, VOI, presumed Icelandic with songs, piano music from 1232. ID at 1245, noss IS, ID again, then news by M. (Martin Foltz, Michigan, via GLDXA)

BRASIL - RC de Conquista, on 3335. from 2358 to past 0011 with PP anmts, many many ads, and music. Clear ID at 0010; fair in noise (Andy Robins, Michigan via GLDXA)

BOLIVIA - Radio Riberalta, 4695a from 0303-0319 with instl piano slection to 0309, when M in rapid SS t/k, then into another selection. At 0317 "Theme from the Godfather" heard. This one most always here, but nothing else! Fair on 1/23 (Moritz)

PERU - Radio Apurimac(t), on 4830.8 at good level, no QRM (Tachira and Canital both gone), only fair due to horrible static. OM with SS talk at 0504, preparing to s/off. Into NA. March music. Gone by 0505. (Alan Laves)

TRISTAN DA CUNHA - According to a letter from the director of Post and Telegrams on Tristan da Cunha, station ZOE is a modest one (no kidding!!! jm) consisting of an old 40 watt transmitter, but a new one will be installed. The antenna is a long-wire, and the station is on the air only on Sun., Wed. and Fri 1900-2200. No freq was given in the letter, but the station is listed on 3290 kHz. (Klaus Huspen, Essen, West Germany, via Jan 12, 1977 SCDXers) #We know what the freq and times are, but what's this story about a new transmitter? Wouldn't it be nice if they went to 1kw and an extended sked?!!! jm

Thanks to one and all for the cards, letters, and phone calls in support of my mid-month editorial. Very gratifying. Thank you! Catch ya next month. JM

log report section



DAN ROBINSON, EDITOR
Box 404, Letts
American University,
Washington, DC 20016

1605-4900 kHz

FEBRUARY 1977

537-3691

- 2275 USA Clandestine; noted 0012-0300 w/rock mx, no tlc, just albums; have hrd in past bdcstg shows from FM stns; probably LA area (Rude)
- 2340 PAPUA NEW GUINEA R. West New Britain; 1044 on 1/1 w/South-Sea mx, but poor sigs (Henderson) 1159-1259 Pidgin, C&W and tlc (McCoy)
- 2340 CHINA PLA Fuzhou; CC tlc by M at 1435 12/21 (Bryan)
- 2360 GUATEMALA R. Maya de Barillas; 1200 in SS tlc //3325 (Zilmer 12/29)
- 2370 UNID; stn here 0108 w/fading het, traces of light mx, no ancr hrd.. maybe (Henderson 12/28) I know what you're thinking Daniel----DR
- 2376 PAPUA NEW GUINEA R. Chimbu; 1153 hrd w/nice island mx (Vokes 1/9)
- 2390 GUATEMALA LV de Atitlan; 1159-1215 SS, marimba mx, some vern. tlc, pop mx w/DJ (McCoy 12/31, Jones 12/23, Zilmer) 0200 SS, ID, LA vocals (Yajko) 0236-0248 SS, ID, lcl and pop mx (Krueger)
- 2410 NEW GUINEA R. Eastern Highlands; 1156 in Island mx, time pip, and into poss. mx (Vokes 1/9) 1220 in Pidgin, S.Sea mx (Henderson 1/1) 1253 M in C&W vocal on 1/2-an excellent PNG morning (Moritz)
- 2420.2 BRAZIL R. Sao Carlos; here w/US pop mx, rock format and DJ at 0051; ads for a Brazilian bank 0055; fair but fading (Henderson 12/28)
- 2428 NEW IRELAND R. New Ireland; 1042 on 1/1 under UTE, mx & chants (Henderson) 1158 choral mx, UTE QRM (Vokes 1/9) 1141 w/UTE QRM, thru 1200 w/Pidgin tlc, mx; chimes 1200; other 120m PNG's inaudible, and this one 1300* (Laves 12/19)
- 2430 CHINA PLA-2 Fukien Front Stn; 1439 CC, tlc w/M&W on 12/21 (Bryan)
- 2450 PAPUA R. Western Highlands; 12/28 solid copy at 1215, C&W mx, (Henderson) 1250 choral singing, M in presumed Pidgin (Moritz 1/2)
- 2468 PAPUA NEW GUINEA R. Northern District; 1040 w/Southsea mx and Pidgin anmts on 1/1 (Henderson) 1205 in Pidgin? tlc by M, piano mx, this completes the PNG's for me (Vokes 1/9) Nice going Bob----DR
- 2510 S. KOREA KBC-Taegu; 1434 KK tlc by M (Bryan 12/29) Listed 10kw--DR
- 2800 CHINA PLA; 2217 CC tlc by M, VP under line noise (McNeil)
- 2850 N. KOREA Pyongyang; 2213 w/KK tlc by M&W, must be short path over the pole to come in this well (McNeil 12/22) Amazing--DR
- 3000 CHINA PLA-1; 1428 CC, tlc by M, mx 12/23 (Bryan)
- 3015 N. KOREA Pyongyang; 1449 in JJ, tlc by M and some mx (Bryan)
- 3032 N. KOREA Wonsan; 1444 in KK tlc by M&W (Bryan)
- 3079.8 UNID; cf. rpt in TDXN-53, checking on 3080 stn, found another stn on 12/13 0202, SS anmts; 0229". .la hora nacional en la..."; ID at every break as "La Voz de _____" (Hauser)
- 3200 CHINA PLA-2; 1454 CC, tlc by M&W (Bryan)
- 3205 JAVA RRI-Bandung; 1457 in Indo, with mx/vocals, 12/21 (Bryan) Beware Gorontalo here--DR--Islamic chants, short anmts (Watson) No time..
- 3205 BRAZIL RC Riberao Preto; 0309 PP mx or lcl anmts, E (McNeil 12/29)
- 3210 ECUADOR R. Federacion; veri letter for 4960 states stn also operates 3210 w/10kw, and 3360 w/5kw (Legge) Thanks for the info, Rog--DR
- 3215 DOM REP R. Libertad; 1015 in SS, "LA" mx w/ID 1017, P (Delap 1/1)
- 3220 NEW GUINEA R. Morobe; 0828, weak and poor w/M in Pidgin (Henderson) 1224 w/group chorals, M in Pidgin tlc, F (Moritz 1/2)
- 3220 CHINA RP; 1427 in CC tlc by M (Bryan 12/22)
- 3222 TOGO Lama-Kara; 2223 in FF w/pop mx, vocal and organ (Osterman 1/5) 2153 in FF, ID (Yajko 12/28)
- 3225 VENEZUELA R. Occidente; 1055, ID's and tlc in SS (Yajko 12/31) Tent here at 0030, mx and ID (Abraham 12/21)
- 3227 LIBERIA ELWA; 2143 in vern, "Afr"mx (Yajko 12/27)
- 3230 TAIWAN BCC; 1440 CC tlc by M&W, jammed (Bryan 12/23)
- 3232 MALAGASY REP RTVM; FF at 0304, M in tlc, lcl mx (Henderson 12/28)

- 3235t BRAZIL RC de Marilia; pretty sure the one here 0313 w/LA mx, DJ in PP tlk, ads, UTE QRM (McNeil 12/29)
- 3240 SWAZILAND TWR; 0345 in vern, tlk by M, ID, choral mx, all in EE, (Bryan 12/23)
- 3245 PAPUA NEW GUINEA R. Gulf(Kerema); 0825 w/Island mx (Henderson) 1215 rock mx (Vokes 1/9) 1258-1300* M w/closing anmts in Pidgin, into NA and off after first few notes (Moritz 12/26)
- 3245 VENEZUELA R. Libertador; 0030-0100 a real surprise with their "Voz de Arab" px Tuesday nights; AA mx w/ancr in AA/SS (Abraham 12/21) 0100 SS, Xmas mx, ads (Yajko 12/19) 0128 (Bryan) 0350-0430 (Bishop, Zilmer) Cohen rpts 3,250 possibly drifting--DR
- 3250 KALIMANTAN RRI-Bandjarmasin; the most consistent 90m Indo, fm 1130 F/in to 1215, Indo pops, M ancr, nx 1200 (McNeil) 1145 at good level (Henderson 12/28) 1501 Indo tlk by M&W (Bryan)
- 3250 SOUTH AFRICA SABC; 0130-0228 mx in all night svc (Bryan, Luce)
- 3255 BRAZIL R. Educ do Cariri; 0853 PP DJ w/tlk, into pop Brazilian song, QRM (McNeil 12/23)
- 3255 VENEZUELA LV del Tigre; 1034 SS, LA mx, ID's (Yajko, Tannenwald, Osterman) 0238-0345 LA mx, ID's, anmts, all in SS (Bishop, Bryan)
- 3259 JAPAN NHK-Sendai; 0819 M in JJ tlk (Robinson) None other.....
- 3260 NIGER RTVN; 2130 at s/off in FF (Henderson) 0540 in mx (Field) ID in FF and 0633* (Barto)
- 3260 PAPUA NEW GUINEA R. Madang; 1105-1302* lcl mx, group songs, M ancr in Pidgin tlk and poss EE as well (5 rptrs)
- 3265 SUMATRA RRI-Bengkulu; 1147 M in Indo tlk (Henderson) 1153 Island mx, 1210 in Jakarta nx past 1208//3250 (McNeil) 1506 (Bryan)
- 3265 BRAZIL R. Cultura; 2338 PP DJ in tlk, ads, F (McNeil)
- 3275 PAPUA NEW GUINEA R. So Highlands; 1147 on thru 1302* in Pidgin, 1147 M in EE tlk, island mx, lcl mx (5 rptrs)
- 3275 VENEZUELA R. Mara; 1047 SS, ID's, LA mx (Roberts, Tannenwald) 0055-0340 with the same, mx, anmts, ads (Bryan, Moritz, Delap)
- 3277 JAVA RRI-Jakarta; 1150 w/Metro px, W in light mx, Indo anmts, (Henderson) 1450 Indo, mx and M ancr (Bryan)
- 3280 ECUADOR LV del Napo; 1022-1029 anmts, mx and ID (Agner) in Quechua w/LA ballads, community anmts (McLaughlin)
- 3285 BELIZE RB; 0000-0505* "The Voice of the Central American Rep. of Belize", EE px, mx, dramas, C&W mx, nx & TC's (21 rptrs) !:e-gad-
- 3285 SOUTH AFRICA SABC; 0101-0250 EE, tlk and mx (Tannenwald, Sherman)
- 3290 CHINA RP; W in tlk, CC, 1446 (Bryan)
- 3295 VENEZUELA R. Trujillo; 1055-1105 SS, mx, ads, anmts (Jones, Tannenwald)
- 3300 GUATEMALA R. Cultural; 0145-0428 rel. px, Back to the Bible; wald into SS 0428 fm EE (7 rptrs)
- 3305t BRAZIL RC Rio Grande; 0302 w/LA mx, lang tlk-PP?, (McNeil)
- 3306a RHODESIA RBC; 2133-2140 at good lvl, EE tlk, pop mx--and at *0325-0344 w/IS of drums, this is the Afr. svc (Moritz) 0340 (McNeil)
- 3310 CHINA Changchun; 1023 W in CC tlk (Laves)
- 3315 MARTINIQUE FR3; 1020-1116 FF tlk & pops (5 rptrs) 2215-0230 w/FF dialogue, inst mx, 0359* (4 rptrs)
- 3315 INDIA AIR-Bhopal; EE nx 1545 (Willis)
- 3316 SIERRA LEONE SLBS; 2242-2330*v, Gospel px, Afr. mx, US pops, ID's, (4 rptrs) *0600 w/Koran chants, EE ID, M ancr, 0700 BBC nx (4 rptrs)
- 3322 BOUGAINVILLE IS RB; 1110-1300v* EE/Pidgin tlk, lcl mx, choral and group songs (6 rptrs)
- 3325 VENEZUELA R. Monagas; 0000 SS, NA, tlk, LA mx (Zilmer) 0315 with the same (Bryan) 1020 ID by W, M in nx (Jones)
- 3325 GUATEMALA R. Maya de Barillas; 0115-0135 SS, LA mx, ID (Rude) 1215 w/SS ID, in Indian lang (McClure)
- 3335 PAPUA NEW GUINEA R. East Sepik; 1007 Pidgin tlk, Xmas mx and lcl mx, presumed 1300* (Laves) 1215-1233 Pidgin, pops and tlk (Rude) 1243 M in Pidgin tlk, choral song (Moritz)
- 3336 SENEGAL Ziguinchor; 0705 FF, nx ment, "Senegal" into Afro mx 0715 (Bishop) This is one goody that doesn't QSL so easily--DR
- 3339 ZANZIBAR RTZ; *0250-0300 carrier weak (Sherman) 0340 Afr. mx w/M in lang tlk, not PP (Bishop) Another, needless to say--DR
- 3345t BRAZIL R. Cult Sergipe; 1042 PP, M&W in tlk (Osterman) Watch 4VSO at same time as Nikolich rpts at 1051 in FF/Creole--DR
- 3352 VENEZUELA UNID; just caught NA 0406* (Abraham)
- 3355 VENEZUELA R. Valencia; 0008 SS, ID and tlk (Zilmer)
- 3355 NEW CALEDONIA FR3; 1242 FF anmts, special New Year's px (Ferrell)
- 3355 INDIA AIR-Kurseong; 1100 w/Indian mx and anmts by M (Willis)
- 3360 GUATEMALA LV DE Nahaula; 0245 SS tlk, LA mx (Bryan)

- 3360 PAPUA NEW GUINEA R. Milne Bay; 0811 w/Island mx (Henderson) 1142-
In tlk (Vokes) 1244-1248 M w/TC in EE,E(Moritz) 1308-1320 in Pidgin
and EE, mx lcl and pop, TC, Record requests (Osterman)
- 3365 VENEZUELA R. Puerto La Cruz; 1045 & 0015 SS, ads, ID's; on 12/22
//3325 w/sports net px (Zilmer, Jones)
- 3375 ANGOLA R. Mac.; 2236 in PP, mx, rechecked before listed 0000* and
was gone (Sherman) *0400 w/7 note IS, NA?, ID (Agner) 0455(Mooney)
- 3375 INDIA AIR-Gauhati; 1158 Hindi chants past 1201, VP and fluttery
and HET on freq, poss Jamb? (McNeil) What about somewhere closer?
- 3380 MALAWI MBC; 2137-2210v* pop mx, ID as "MBC" EE/Chichewa tlks;
also 0305-0318 (7 rpters)
- 3380 ECUADOR R. Iris; 1115-1128 SS, mx, TC's, ID (Roberts, Tannenwald)
- 3385 LESSER SUNDA IS RRI-Kupang; 1439 Indo tlk by M, mx (Bryan)
- 3385 NEW BRITAIN RENB; 1125-1303* pop mx, Pidgin ancr, lcl mx(4 rpters)
- 3385 FR. GUIANA FR3; 2201 in FF, nx and ballads (Brooks) 0930 in FF
w/M in tlk (Tannenwald) *1000-1015 La Marseillaise after easy mx
ID and FF tlk (Delap) Sure that was s/on, Joe?? DR
- 3390 ECUADOR R. Zaracay; 1101 SS, ID, mx and ads (Green) 0030-0620
LA mx, ID's, many ads (7 rpters)
- 3396 NIGERIA NBC-Kaduna; 2238 EE/Hausa, pop mx, chants, 2259 ID and
into nx 2300, 2306* (Brooks)
- 3396 RHODESIA RBC; 1955 evening mx px, ID 2000, EE nx (Padula) 2134 EE,
pop mx, vocals on request px (Brooks) 0349-0405 bells, ID, lcl
anmts and into nx (Osterman, McCoy)
- 3400 CHINA PLA-2; 1305 CC tlk, UTE (Sherman) 1443 M in CC tlk (Bryan)
- 3411 BRAZIL R. Xapuri; 1023-1031 on 12/21 PP w/tlks and one song,
(Barto) 1034 PP, LA ballads (Laves) 0025 (Shaw, Ferguson, Jamison)
- 3425 NEPAL RN; *0020 via LP w/Nepalese mx past 0125 (Henderson) 0040
to 0125 M in lang, flute mx (McNeil, Shaw, Ferg, Jam) 1215 w/lcl
mx, tlk by M (Abraham)
- 3450 CHINA RP; 2207 W in CC tlk w/nx (Shingler) 1452 CC, mx (Bryan)
- 3535 CHINA PLA-1; 1455 CC tlk by W, mx (Bryan)
- 3560 N. KOREA Pyongyang; 2208-2231 lang tlk by M&W, sounds KK but isn't
KK (McNeil, Shingler) 0900 IS, into SS px, ID, then nx (Watson)
- 3640 CHINA PLA; 2205 W in CC tlk, weaker on //3535 (Shingler) 2228 w/
CC tlk by W, off at 2245 check (McNeil)
- 3885 CAPE VERDE IS RCCV; 2237 PP on 12/28, 1st and last time hrd, seems
irregular operation (Sherman) 2335-2350 PP, semi-class mx (Mayer)
- 3892 JAVA *RPDK-Sidoarjo; 1423 Indo tlk by W, mx (Bryan)
- 3900 CHINA PLA-Fuzhou; 1504 CC tlk by M&W (Bryan)
- 3904a ADMIRALTY IS R. Manus; 0800-0900 EE, M in tlk, mx (Schneck) 1130
rock mx (Vokes) 0920-1256 group singing, Pidgin DJ, C&W(6 rpters)
My apologies for this disorganized item--DR
- 3905 INDIA AIR-Delhi; 2309 under a terrible mess on 12/30, W in Hindi
mx, M in EE also (Henderson)
- 3910 JAPAN FEN; 0918 w/EE pop song, then EE DJ (McNeil) 1432 in EE mx
px(Bryan)
- 3915 MALAYSIA BBC-Tebrau; 1505 EE, M in nx (Bryan)
- 3925 PAPUA NEW GUINEA NBC; 0847-1400* rel. px, M in EE tlk, lcl mx
over NSB (Mackay, Sherman, Bryan, Moritz)
- 3925 JAPAN NSB; 0845 EE lesson (Grenier)
- 3930a CAPE VERDE IS R. Barlavento; 2132 on 12/30 w/W in tlk (Henderson)
- 3945 NEW HEBRIDES R. Vila; 0900-0936 FF, mx and nx (Nebron, Robinson-CA)
- 3950 CHINA Xining; this one snuck in 1008, M w/CC tlk (Laves) 1435 in
CC mx, and M ancr (Bryan)
- 3952 GT BRITAIN BBC; 0225-0340 EE/RR px (Mooney) 1430 (Willis)
- 3960 SUMATRA RRI-Padang; 1325 Indo, mostly lcl mx, some pop (Sherman)
- 3966+ KALIMANTAN RRI-Pontianak; carrier on and off, 1325* (Sherman)
- 3970 CAMEROUN R. Buea; 2223 w/M in FF, ID 2223 w/mx--almost as good
as Yaounde 4972 1/2 (Henderson) Buea, truly an old friend--DR
- 3970 CHINA Huhahaote; 1509 CC, tlk by W&M (Bryan)
- 3975 JAVA RRI-Surabaya; 1510 Indo, M in tlk (Bryan)
- 3980 W. GERMANY VOA-Munich; 0638 w/poor but readable sigs, VOA break-
fast Show; //5995 except 3980 is 5 sec. ahead (Laves)
- 3980 SOUTH AFRICA SABC; 0300-0330 EE, pop mx, ID's, ads (Bryan, Beirs)
- 3985 ECUADOR Esc. Radiofonicas; 1053 SS tlk by M (Nikolich) 1126-1134
M ancr, mx, ID 1130 (Moritz)
- 3985 SWITZERLAND SBC; 0615 FF to Europe, mx (Bishop)
- 3990 LIBERIA VOA; 0502-0720 EE px, nx for Africa--probably the only
thing coming fm Liberia that hasn't sunk yet(Laves, Overcamp, Strong)
- 3990 W. GERMANY R. Liberty; 0630 RR px, Xmas mx (Bishop)

- 3995 ASIATIC SSR Nikolayevsk; 1337-1354 RR tlc, class mx, M ancr. (Laves, Bryan)
- 3995 W. GERMANY DW; 0500 GG, M w/nx (Strong) Haas rpts 3,998a--DR
- 3995 SOUTH AFRICA SABC; 0355 EE, "Good Morning Africa" (Swanson)
- 3999 GREENLAND Grønlands Radio; 1143 and 0040 tlks by M in Danish/Greenlandic, some orch. mx (6 rptrs.)
- 4000t SULAWESI RRI-Kendari; checking this freq for Godthab, found 1010 Islamic chants, thru to Indo anmts 1030 (Padula 12/18)
- 4005 UNID; 2155-2220 in AA, M w/AA tlc, AA mx, odd freq (Mayer 12/28)
- 4020 CHINA RP; 1402 KK, M w/tlc (Bryan)
- 4040 ASIATIC SSR Vladivostok; 1113 RR, jazz piano, pop mx (McCoy) 1237-1300 in RR songs (Brookwell) 1508 RR, pops, M DJ (Bryan) 2150 to 2240+ w/M2 px of classical mx, RR tlks, nx 2200; all //4930 but not 5015 (McNeil)
- 4045 UNID; stn here 1009 on 12/29 w/W in tlc in lang, followed by mx, gone by 1016; signal wk/fluttery suggesting SEA; RRI-Bengkulu is listed--is not a UTE (Agner) 1315 Bengkulu listed (Sherman 12/18)
- 4055 EUROPEAN RSPSR RM; fair sigs in UTE QRM 0540, M w/RR tlc, RR mx, listed as M3 px; later other ancrs & EL mx--sked *0600 (Laves 12/24) 0555-0608 tlc by M to 0559, silence to 0600, then RR mx (Earhart)
- 4068 CHINA Huhehaote; 1406 M w/tlc in Mongolian, W also (Bryan)
- 4079.7t MONGOLIA Ulan Bator; poor w/Asian sounding chants (Laves) Time? Bryan in CA rpts harmonic of KZIQ-Ridgecrest on 4080--DR--0044
- 4102.6 VIETNAM Viet Bac; 1246 t/in w/M in chants (Laves)
- 4115 CLANDESTINE; V. of Party for Reunification; 0757 w/tlks by M, //4556-7 had another stn, possibly a feeder (Shaw, Ferguson, Jam)
- 4115 BRAZIL R. Difusora; 0430 cont. mx on late for New Years, no def ID hrd on this one (Hauser 1/1) Glenn adds--FBIS lists this on 4815.
- 4180 CHINA UNID; 1237-1300 site unknown in CC tlc by W and CC songs, Internationale IS & TC (Brookwell)
- 4217 UNID; noted 1/1 0440 w/mx, SS anmts in GMT-5 zone giving countdown to 1977; W ancr; checked tape before 0500 and found ID like "R. Nacional" or similar, if so, might be Peruvian regional--doesn't seem like a harmonic (Hauser)
- 4250 CHINA RP; 0854=0950 CC 2nd px, songs by W, W ancr (Brookwell, S,F,J)
- 4380 CHINA PLA-Pouzhou; 1115 in CC, W ancr in tlc, rev. mx (McLaughlin) 1523 CC vocals by W (Bryan) 1015 w/tlc in CC by W (Agner)
- 4395 ASIATIC SSR Yakutsk; 1345 in RR, W in vocal (Bryan)
- 4424.6 BOLIVIA R. Paititi; 0327 w/strong choral mx (Vokes 1/2)
- 4464 BOLIVIA R. Movima; 1002 at threshold lvl, UTE (Shaw, Fergi, Jami)
- 4460 CHINA RP; 0825 W in CC tlc, piano mx (Brookwell) 1527 CC vocals, W DJ (Bryan) Out of order...DR
- 4485 USSR Petropavlovsk-Kam; 1532 two M in RR tlks (Bryan)
- 4525 CHINA Xilinhaote; 1350 CC, mx, W DJ (Bryan)
- 4545 KAZAKH SSR Alma Ata; 1150-1200 dual Tashkent 4850 after 1200; time pips, classical mx, ID's (Barto)
- 4610 ASIATIC SSR Khabarovsk; 1356 RR, classical mx (Bryan)
- 4620 CHINA RP; 1403 KK, M in tlc (Bryan)
- 4635 TADZHIK SSR Dushanbe; 0142 RR, M w/tlc, brief mx (Bryan) *0000 fluttery signal (Henderson) 0126 (Laves) 2338-2340 classical mx, W in RR (Shingler) 0100 (Nebron) 1149-1215 class. mx (McNeil, Barto)
- 4654 UNID; 1200 constant tlc by W in lang--don't think Laos (Laves) McNeil rpts Laos on 4652 last months LR-A--DR
- 4669t LAOS UNID; 1423 in Lao, lcl mx (vy nice), and tlc, noted only for few dws around 12/20, not since (Junqua)
- 4680 ECUADOR R. Nac Espejo; 0230-0552 SS, mx, tlc, ID's (Green, Bryan)
- 4684 UNID USSR; 1300 poor, seems to s/off and on w/o set sked; M&W in RR tlc, no mx (Laves)
- 4695 USSR RM; 2nd px, 1026-1054 RR, lite pops, 1029 Mayak IS, 1030 more mx and //6130,5970,7185,7230,7290 (Junqua)
- 4696v BOLIVIA R. Riberalta; 0242-0350v* w/some vy nice Bolivian mx, ads, and vocals; s/off varies sometimes to 0422* (5 rptrs)
- 4696 VIETNAM Quang Ninh; 1320-1326* VV, tlc before enthusiastic audience; ID per Ugusa who says 1200-1225 and 1300-1325 (Junqua)
- 4699 JAVA RKIP-Surabaya; 1305 vy wk, but def here (Sherman) 2kw--DR
- 4710 UNID; 0623-0630 in lang tlc by W, abruptly off 0629 (Bogel)
- 4719 SULAWESI RRI-Ujung Pandang; *1230-1535+ Indo tlc, variety of lcl mx, pop mx, ment. of Ujung Pandang, outstanding lvl (9 rptrs)
- 4721t CAPE VERDE IS RC Mindelo; Sao Vicente on 12/4 2050-2100 in PP tlc by M; vy wk and QRM'd (Barto) I am always wary of rpts of this stn w/o def ID's--DR

- 4725 BURMA BRS; 1230-1356 in lang w/vocalists, tlk ty W (5 rpters)
- 4735t PAKISTAN Karachi; 1420-1505 in lang, poss radio play, (Bogel)
- 4738 BOLIVIA R. Abaroa; 1035 w/nice songs and big sig(Shaw, Ferg, Jami) 0335-0408 ballads, M ancr (Laves, Bryan, Henderson, Vokes)
- 4743.8 UNID; 1314 w/fair-poor sigs, subcont chants, tlk by M, gone at 1352 check-Pakistan drifting? (Laves 12/27)
- 4750 ZAIRE Lubumbashi; 0359-0401 drums, Afr. lcl mx, M in tlk (Bryan, Henderson) Also 0006 on New Years, says Henderson--DR
- 4755 BRAZIL Rdif. Maranhao; 0210 w/mx, M DJ (Bryan) 0845-0905 ID and TC 0900 (Roberts)
- 4755 VENEZUELA Em. Nuevo Mundo; 1156 ID, ads, mx, tlk in SS (McClure) 0425-0445 SS, LA mx, nx 0500 (Bryan, Macris)
- 4760 SWAZILAND TWR; 0403 on 12/29 rel. px, W in lang, M w/ID and tlk in lcl lang (McNeil)
- 4760 CHINA Kunming; 1413-1440 M&W in CC tlk(Bryan, Brookwell)
- 4760 VENEZUELA R. Frontera; 1147 SS, many ads, ID (Miller) 0210 w/ads, ID's, mx, lots of tlk (Moritz)
- 4763 PERU R. Inca del Peru; simply BOOMING in 1045 w/many TC's (Shaw, Ferguson, Jamison) Nice!--DR
- 4765 CONGO RTV; noted w/EE nx 2139-2145 w/good sigs, back to FF at 2146 (McNeil, Henderson, Miller) 0439 in FF (Bryan)
- 4770 VENEZUELA R. Bolivar; noted fm 2300 thru 0100 LA mx, ID's, ads, the usual (9rpters)
- 4770nf CHINA Peking HS-1; now here *2000, CC anmts, mx, //4800 and 4905 where also hrd(Padula) 1220 CC tlk (Shingler) 1548 (Bryan)
- 4775v AFGHANISTAN RA; *1257 carrier s/on, into flute IS, then tlk by M in lang, HET fm RRI (McNeil, Barto, Sherman)
- 4775 INDIA AIR-Gauhati; 1130-1215 daily, mostly Hindi mx, chants, EE ID and Assamese tlk by M at s/off; over RRI (Henderson, McNeil)
- 4775 JAVA RRI-Jakarta; 1213 under AIR w/tlks by W, in clear 1225 after Gauhati 1217* (Henderson, Bryan)
- 4775.2 BOLIVIA R. Los Andes; 0315-0336* SS, EL mx w/clear ID 0330(Tuchsc)
- 4777 GABON RTVG; 2204 and 0512-0600 w/FF tlks, vocals, lcl mx(7 rpters)
- 4780v AFARS & ISAAS Djibouti; hrd w/clear signal 12/11 1956-2000 w/NA and close(Barto) 0330-0450 AA mx, chants, drums (5 rpters)
- 4780 HONDURAS R. Juticalpa; 1145-1158 M in SS tlk to 1147, Mexican type mx, off suddenly 1158(Moritz) 1255 SS, M in tlk, hymns (Bryan)
- 4780 KARELO-FINNISH SSR Petrozavodsk; 0720 in lang, RR? M&W in tlk, class. mx (Bishop) 1130-1329 in tlk, piano mx, RR; time tick and into RR M1 px 1200; this channel stronger than //5065 (6 rpters)
- 4782 DOM REP R. Norte; 0440-0520 SS w/good sigs, mx, ID's(Krueger, Barto, Nikolich)
- 4783 MALI Rdif Nationale; 2035-2359 FF, Afr. lcl mx, 2359* (Bryan, Schwartz)
- 4785 TANZANIA RT; *0255-0315 Swahili, chanting, mx w/drum beats, tlk by M, //4825, and also 5050; E on 1/5 (5 rpters)
- 4787 UNID; 1300, wk, nothing rptd here (Sherman)
- 4785 AZER SSR Baku; 2120-2158 class mx, M in lang, near-east mx(Bishop, Shingler) 0512 w/M&W in lcl nx fm Azerbaijan (Henderson) Order...
- 4790 PERU R. Atlantida; 1123 w/lcl quality sigs, nice ID's (Shaw, Ferguson, Jamison) 0133-0552 SS, guitar mx, Peruvian mx (5 rpters)
- 4790 ECUADOR Sistema de Em. Atalaya; 1117 SS, LA mx, ID (Bryan)
- 4795 BOLIVIA R. Nueva America; 1040-1047 M in SS tlk, ID 1041, and inst mx after, G (Moritz) 0055 SS, M in tlk (Bryan)
- 4795 ASIATIC SSR Ulan Ude; 2235 probably the one w/RR tlks, heavy flutter(Henderson) 0730-0753 RR, singing lessons; -//5015 (Watson)
- 4795 ECUADOR LV de los Caras; 0337-0500 SS, LA MX, M&W ancrcs(Jones, Bryan)
- 4800 INDIA AIR-Hyderabad; 1225 EE tlk by M ancr to 1230, 6 pips, then M w/EE nx, 1235 ID--this stn always hrd well Xmas morning(McNeil)
- 4800 CHINA RP; 1252-1553 CC mx, W DJ (Sherman, Bryan, Brookwell)
- 4800 ECUADOR R. Pop Independiente; 1032-1040 w/folklorico, vocals and inst. mx; M in SS between cuts (Moritz)
- 4804 KENYA VOK; 1955 w/light pop mx, fading in (Henderson)
- 4805 BRAZIL R. Itatiaia; 0400 w/soft mx (Vokes)
- 4805 JAVA RRI-Jakarta; 1300 w/"Song of the Coconut Is" (Sherman 1/3)
- 4806j SAO TOME & PRINCIPE R. Nac; 2110-2301* PP, wk but clear, lcl mx, HET w/Brazil at s/off(Sherman, Bishop) 0605(Shaw, Ferguson, Jami)
- 4807 DOM REP R. Norte; 1200 SS, wild LA mx, ID, back here fm 4782 on 12/28(Miller) 0658 w/ID's; hrd back on 4781v another day(McNeil)
- 4810 GALAPAGOS IS LVG; 1212 and 0200-0404* (4 rpters) The usual px....

- 4810 ARMENIAN SSR Yerevan; finally hrd 1940, lcl mx, tlk in lang, off at 2000* (McNeil)
- 4815 COLOMBIA R. Guatapuri; 1041 and 0000-0500 SS, LA mx, ID's (8 rpters)
- 4815 UPPER VOLTA Ouagadougou; 2235/0705 FF, Afr. mx (Bryan, Bishop)
- 4820 ANGOLA R. Nac; 1946-1955 in PP, orch mx (Padula) 2122 w/Afr. mx, PP tlk, and 0535 w/PP nx (McNeil)
- 4825 USSR Kiev; 1924 RR, pop song, then RR tlk by W (McNeil)
- 4825 DOM REP. LV de las Fuerzas Armadas; 9 rpters have this one at *1000 and fm 2315, mx, ID's, TC's: "En Santo Domingo" (9rpters)
- 4825 PERU LV de la Selva; 0059 LA mx, M w/ID (Bryan)
- 4830.8 PERU R. Apurimac; good lvl, Tachira on 4829.3 gone as well as Capital 4832; M in SS tlk 0504, into NA, march mx (Laves)
- 4832 COSTA RICA R. Relej; 0500-1100; 0705 EE ID (6 rpters)
- 4835 GUATEMALA R. Tesulutlan; 1310 SS, LA pop mx, anmts (Macris)
- 4835 SARAWAK RMS; 1413-1500, Malay, mx, M w/tlk, songs, 4895/4950/5030 all in on 1/3 (Sherman, Bryan)
- 4839 ZAIRE R. Bukavu; on late for Xmas eve 2217 w/Xmas mx (Henderson)
- 4840 VENEZUELA R. Valera; 2330-0140 w/mx, TC's, SS tlk (Ware, Bryan, Tannenwald)
- 4840 CHINA PLA-Fuzhou; CC at 1418, songs (Bryan)
- 4843 CONGO Pt. Noire; from 0359 in FF/vern, chants, Afr. mx, better than Botswana at same time (6 rpters)
- 4845 BOTSWANA RB; Cow bells fm 0355, NA, choir, into tlk (7 rpters)
- 4845 MOLUCCAS RRI-Ambon; 1155 Indo tlk, mx vy wk (Bishop) 1447 w/chants and tlk by M&W (Bryan)
- 4850 INDIA AIR-Kohima; subcont mx 1243 at good lvl on 12/19 (Shaw, Ferg, Jamison)
- 4850 UNID; 2215 on 12/30 w/M wailing in lang, Hindu type mx, all when SEA LP was good (Henderson) India not listed this time--DR
- 4850 DOM REP. R. Clarin; 1000 & 2330 in EE px, mx, ads (11 rpters)
- 4850 CHINA RP; 1430 CC, W w/tlk in CC, mx (Bryan)
- 4852.4 YEMEN R. Sanaa; M & W in AA tlk 1950 (Henderson)
- 4854.7 UNID; 2027 stn here w/M in FF sounding tlk squeezed by Yemen on 4852.4; into native songs 2030--who?? (Henderson)
- 4855 SUMATRA RRI-Palembang; 1300--LA's gone and doubt Mozambique or Kenya, vy wk (Sherman)
- 4855 COLOMBIA R. Neiva; 0510-0528 SS, US pops, ID (Tuchscer)
- 4860 USSR UNID; 0700 presumed Asian site in RR HS mx px, W ancr, UNID IS at 0730, E lvl (Hall)
- 4860 PERU R. Chinchaycocha; 0245-0530 SS, mx px, ID's at various times between Andean tunes (Bishop, Field)
- 4865 AZORES Em Reg dos Acores; From as early as 2000, 20 reporters rpt Ponta Delgada w/PP vocals, mx, lite mx: Radiodifusao Portuguesa ID 2205 after mx; obviously off-air relay ruling out Portugal itself, and found to be //6185 SSB feeder from Portugal (Hauser) Rather than rpt details fm all 20 rpts, it seems correct to state at this time that this was probably Azores with a supposed new Xmtr of 120 kw (rptd shipped to Azores fm Portugal a few months ago). I say was because as of this moment they are off 4865--DR
- 4870 ECUADOR R. Rio Amazonas; 1132-1202 Indian dialect, vocal mx with piano, rel. tlks, no def ID (Roberts)
- 4880 UNID; 2123 w/brassy NA, quick s/off, no anmts hrd-HELP! (Nikolich)
- 4895 USSR Ashkhabad; //4930 2118 w/classical mx (McNeil)
- 4899.7 SULAWESI RRI-Gorontalo; 1400 vy wk, with "Coconut Is" (Sherman)
- 4900 NIGERIA Enugu; Still presumed at this time fm 1930-2306* and fm 0430+ "Radio Nigeria" Natl px ID's, EE anmts, mx, bdcst of Nigerian Arts Festival fm Lagos, ads; some rpts of CORDAC for this freq are actually Nigeria (24 rpters!!!) It is possible that this new Xmtr was inaugurated in time for the "Pan African Arts Festival"--purposely--at any rate it breaks the record for rpts this time around--DR
- 4900 ECUADOR LV de Saquisilí; SS 0315, Ecuadorian mx, M ancr. (Shotola) Was in once when Juventud was off--DR Date for this one 11/10

Well, I really got it this time! Over 400 items, 95 rpters..... I would like to apologize for the rather condensed, and slightly disorganized format this time-I attended the inauguration of our new President and ran into some time problems. For those whose rpts were cut, PLEASE don't feel put down or send any letter bombs...

Zdrastvooitye to Bob Hill!!

log report section **B**

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4900 kHz - 6200 kHz

FEBRUARY 1977

274-1142

- 4900.5 ECUADOR LV de Saquisilí; 1107-1210 in SS w/ accordion, to's, DJ-M, sev. ID's, Juventud never came on. (McNeil, 12/25).
- 4902v SRI LANKA SLBC; 1210-1242 in Sinhala w/ all tlks (Brookwell, McNeil).
- 4904.5 CHAD RNT; *0430-0622 in FF w/ Af. mx & tlks (McClure, Bryan, Nebron, Schwartz). 0110* on 11/16 (Brooks). 2302* (Mooney 12/19).
- 4905 CHINA Nanning; 1429-1504 in CC w/ tlks. (Brookwell, Bryan).
- 4905 BRASIL R. Relógio Federal; 2315-0130 in PP w/ ads, tlks and TC's every minute. (Ware 1/8, Watson 12/16). Good level.
- 4905 ETHIOPIA ETLF; 0300-0325 in Amharic for Ethiopia. (McNeil 12/23).
- 4908v KHMER REP. R. Phnom Penh; 1145-1435 in lang. w/ tlks, folk mx and instrumentals. (Bryan, McNeil, Rude, Brookwell, Ferrell, Henderson).
- 4910 ECUADOR Emis. Gran Colombia; *1104 w/ ID, nx and "Sandman" theme. (Jones). 0345-0420 w/ vocals in Quechuan(?) (Krueger 12/4).
- 4910v GUINEA Rdf. Nationale; 0505-0730 in FF w/ Af. mx // 7125.8 (Hauser, Bishop, Bryan). 2215-2245 w/ mx & nx (Grant, Schwartz). 0030 (Zilmer). 0300-0400 in FF/vern. (Lineback). 2300-0012 w/ flute mx, chanting, ID's // 1403 which was better! (Barto 12/21).
- 4915 BRASIL R. Anhangera; till 0400* daily in PP w/ EE rock mx (Sherman).
- 4915v BRASIL Rdf. de Macapa; 0033 w/ DJ tlk and EE mx (McNeil 12/31).
- 4915 CHINA Nanning; 1330-1515 in CC HS at 1515. 1330 slot carried an EE lang. lesson pgm. 111 (Bryan, Brookwell). (Schwartz, Bryan).
- 4915 GHANA GBC; 0615-0630 in EE & lang. w/ cmtry on educational system.
- 4915 KENYA VOK; 2215 in vern. w/ Af. & pop mx (Zilmer 12/25).
- 4920 AUSTRALIA ABC Brisbane; 0846 in EE w/ classical mx (Bryan 12/19).
- 4920nf CHINA Peking; 1200-1400 in CC // 4180. no mx. (Brookwell 1/3).
- 4920v ECUADOR R. Quito; 0320-0400 in SS w/ nx & mx (Bryan, Brookwell).
- 4920 HONDURAS R. Progreso; 1200-1305 in SS w/ mx & ads (Tannenwald). 1300 relayed Vatican Radio in SS w/ their IS (McNeil 12/26) 0205 (Green).
- 4920 UKRAINE R. Kiev; 2045 in GG, 2120 in RR (Schwartz). 1944 w/ classical mx (Henderson, Ferrell). 1714 in lang. earliest ever hrd (McNeil 12/26)
- 4925 CHINA Haerbin; *1300 in VV // 9755 at 0845 (Brookwell 1/3). 1333 in CC w/ typical mx. (Bryan 12/15).
- 4925 COLOMBIA Emis. Meridiano 70; 1047 in SS w/ ID and LA mx (Jones 12/14)
- 4926 RIO MUNI R. Bata; 2220 w/ tam-tam mx (Henderson 12/24). McNeil).
- 4927 SUMATRA RRI Jambi; 1133-1300 in II w/ tlks and local mx (Sherman, 4930 GEORGIAN SSR R. Tbilisi; 1946 w/ mx pgm. (Henderson) 0512 in RR w/ mx 4930 TURKMAN SSR R. Ashkhabad; 1218 in RR w/ opera (McNeil). (Bishop) 4930 VENEZUELA LV de la Fe; 0032 in SS w/ ads, pop mx, network ID (Brooks) 4930 UNID. 12/12 at 0453 w/ live SS pgm. mentioned Colombia (Brookwell).
- 4932v JAVA RRI Surakarta; 1038-1315 in II w/ EE and II songs, violin mx, (McNeil 12/25). 1500 in II w/ tlks & Love Ambon (Sherman 1/3).
- 4932 NIGERIA NBC Benin; 2155-2205 in EE w/ local mx then nx (Mayer 12/28).
- 4935t BRASIL R. Capixaba; 0055-0230 in PP w/ sports (Field 11/21).
- 4935 PAKISTAN Rawalpindi; 1200-1245* in Urdu w/ local mx, IS and ID along w/ anthem at s/off. (Shaw, Feri, Jamison, McClure, Junqua, Mayer, Moritz).
- 4940 ASIATIC RUSSIA R. Yakutsk; 1500-1615 in RR w/ class. mx (Brookwell, 4940 IVORY COAST RTVI; 0620 in FF w/ Af. mx (Schwartz, Bryan). Bryan). 2130-2150 in FF w/ local mx (Anderson 12/28).
- 4940 SRI LANKA SLBC; 1700-1730* in EE carrying channel #2 pgm., oldie mx and ads (Junqua 12/23). 1540 // 4968 in EE (Willis 12/10). Bryan).
- 4940 VENEZUELA R. Yaracay; 0010-0332 in SS w/ tlks & LA mx (Tannenwald, 4943v VIETNAM VOV Hanoi; 1145-1256 in VV w/ tlksby W(x+4932), (Laves, Junqua says // 3999, 6445, 7375, 10060. McNeil, Ferrell).

- 4945 COLOMBIA R. Colosal; 0100-0500 in SS w/ pop mx, vocals, ID's. (Pyatt, McClure, Ware, Osterman, Bryan, Anderson, Hoffman).
- 4945v JAVA RRI Bandung; 1300 in II w/ tlks. (Sherman 12/18).
- 4948v BRASIL A Voz Sao Francisco; 0204* in PP (Sherman 12/27).
- 4950 SARAWAK R. Malaysia; 1339-1602 in EE w/ opera, pop and rock mx. many ID's (Brookwell, Sherman, Bryan, Bogel). 1600* (?).
- 4951nf VIETNAM Hanoi HS; 1100 in VV (x-4932) (Willis 12/8).
- 4952 CHINA Xilinhaote; 1138 in CC HS w/ tlks. Military band mx (Brookwell)
- 4955 PERU R. Cultura Amauta; *1100-1122 in SS w/ ID & hymns (Tuchscher).
- 4955 SUMATRA RRI Banda Aceh; 1218-1300 in II w/ local pop mx and nx by a man in II. (Field, McNeil, Sherman, Henderson, Brookwell).
- 4960 CHINA R. Peking; 1015-1344 in JJ w/ operas (McNeil, Brookwell). Heard later at 1344 in CC (Bryan 12/15).
- 4960 ECUADOR R. Federacion; 0158 in SS w/ ID (Sherman 12/28). Sherman).
- 4960 VENEZUELA R. Sucre; 2315-0240 in SS w/ LA mx, sports (Tannenwald, COLOMBIA R. Santa Fe; 0535-0801 in SS w/ LA & pop mx, Bryan). solo and chorus mx (Earhart, Bryan, Jordan).
- 4965 HONDURAS R. Landia; 1220 in SS w/ TC, ID, pop mx, coke ads (Jones).
- 4968 SRI LANKA SLBC; 1540 in EE // 4940 (Willis 12/10).
- 4970 SABAH RM Kota Kinabalu; 1407 in lang. Asian mx (McCoy 12/15).
- 4970 VENEZUELA R. Rumbos; 0200-0643 in SS w/ LA vocals, ID's (Anderson, FRENCH GUIANA FR3; 0940 in FF w/ nx and mx (Gionet). Bryan, Jordan)
- 4972.5 CAMEROON R. Yaounde; 2110-2215 in FF w/ Af. & FF mx (Zilmer, Gionet). 0440-0507 in FF w/ local mx and then into EE nx (Bishop, Brooks).
- 4975 CHINA Fochow; 1404 in CC Ext. Ser. w/ tlks. (Brookwell 1/1).
- 4980 BOLIVIA R. Batallon Topater; 0941 in SS w/ lively LA mx (Tuchscher
- 4980 GHANA GBC Ejura; 0617-0647 in EE w/ nx, rel. pgm. and 12/27). cmntry. (Bryan, Schwartz). 2100-2117 in EE w/ nx (Yajko, Snyder).
- 4980 SWAZILAND SCR; *0358-0430 in EE w/ ID's, East Indian mx, pop mx, ads, TC's, "Popcorn" IS. (Watson, Agner, Henderson, McNeil, McCoy, Bryan
- 4980 VENEZUELA Ecos del Torbes; 2130-0000 in SS w/ Lineback, Mayer). EE ID giving freq. of 5990, LA mx, telephone conversations, tlks in SS (Anderson, Green, Agner). 1013-1145 w/ LA mx (Alvi, Luce).
- 4980 UNID. 1230-1255 in a CC dialect. Mixing w/ another Asian station. Any help? (Willis 12/11).
- 4985 BRASIL R. Brasil Central; 0412-0920 in PP w/ TC's, ID's, .pop mx, many announcements. (Brookwell, Tannenwald, Jordan, Bryan).
- 4985 DOMINICAN REP. R. Neyba; 0844 in SS w/ LA mx // 1580 (Brookwell 12/5)
- 4985v MALAYSIA RM Penang; 1345-1422 in CC w/ EE nx at 1400, pop mx. (Luce, 4990 ARMENIAN SSR R. Yerevan; 0459-0520 in RR w/ piano mx, Brookwell) anmts, 6 pips, TC and ID, organ mx (McNeil 1/2).
- 4990 CHINA Changsha; 1134 in CC w/ tlks by a M (Bryan 12/19).
- 4990 NIGERIA NBC; 0600-0640 in EE w/ nx and commercials (Bernstein 12/31)
- 4990 VENEZUELA R. Barquisimeto; 2330-0400* in SS w/ LA mx, tlks, ads
- 4990 UNID. 1205-1229* in Asian lang. Indo or Malay? (Green, Jordan). Don't know Mr. Field. Hope someone can help you.
- 4993 VIETNAM VOV Hanoi; 1130-1230 in VV (Shaw, Ferguson, Jamison, Ferrell).
- 4995 PERU R. Andina; 1030-1052 in SS w/ beautiful folk mx on guitar, ID, (Moritz 12/24). 0341-0430 in SS w/ flute and SS pop mx, vocals, (Bryan 12/20, Krueger 12/5). (Henderson
- 5000 HAWAII WWVH; 0750 w/ AccuWeather & storm warnings for Oahu. 12/18).
- 5005 PERU R. Jaen; 0200-0217 in SS w/ LA mx. (Bishop 12/31).
- 5005 SARAWAK RMS Sibiu; 1130-1355 in Iban w/ local mx and W w/ nx at 1130 (Bryan, Ferrell). 2207-2230 in Iban w/ XMAS mx (McNeil 12/24).
- 5006v NEPAL R. Nepal; *1140 in lang. w/ xylophone IS, drum mx, tlks by a M, // 3425 (McNeil, Ferrell).
- 5010 CAMEROON R. Garoua; 2050-2251 in FF/vern. w/ Af. mx, flute mx and chants. (Gionet, Snyder, Abraham, Schwartz, Pyatt). 0610-0630 in EE/FF w/ cmntry and nx (Agner, Bishop). 0555 flute mx (Shaw, Ferguson, Jamison)
- 5010 DOMINICAN REP. R. Cristal; 0245 in SS w/ light mx. (Shotola 11/23).
- 5010 PERU R. Eco; 0100-0735 in SS w/ LA & US pop mx, classical mx, DJ pgm (Jordan, McClure, Bryan, Bishop, Moritz). 1030-1100 w/ nonstop mx (Ferr-
- 5010 SINGAPORE R.S.; 1140 w/ light mx. (Ferrell). ell)

- 5015 ASIATIC RUSSIA Vladivostok; 1100-1210 in RR w/ class. mx (Earhart, Ferrell) 0700-0800 w/ mx and nx(Padula,Bryan)2158-2230 in RR w/ time pips and classical mx. (Henderson,McNeil)
- 5015 BRASIL R. Cultura Cuiaba; 0140 in PP w/ US disco mx, ads, ID(Bishop)
- 5015.6 BRASIL R. Pioneira de Teresina; 0019 in PP w/ light mx, DJ w/ 2 ID's of medium and shortwave freqs. (McNeil).
- 5016 RHODESIA RBC Gwelo; 1542 in EE w/ classical mx (Bryan 12/12).
- 5020 CHINA Nanchang; 1324 in CC w/ W singing (Bryan 12/19).
- 5020 COLOMBIA Ecos del Atrato; 0225 in SS w/ sports (Bryan 12/17).
- 5020 NIGER ORTN Niamey; 0600-0632* in FF w/ EE mx and FF tlks(Bishop,
- 5020 SRI LANKA SLBC; 1224-1236 in Tamil w/ tamera mx, Schwartz,Bryan) tlk by W, vocals, Tamil nx at 1230 (McNeil 12/26).
- 5020 UNID. carrier on 1143 into ranhero mx. R. Nacional Caracus?(Ferrell)
- 5025 BRASIL R. Borborema; 0511* in PP w/ NA (Jordan 1/1).
- 5025 BRASIL R. Vitoria; 0255 in PP w/ local mx, 3 clear ID's(Bryan 12/20).
- 5025 ECUADOR R. Splendit; 0930-0955 in SS w/ mx, ads, ID(Tannenwald,Jones)
- 5025 PERU R. Quillabamba; 0624 in SS w/ LA mx(Brookwell) 1222 w/ campesino ballads (Abraham 12/24).
- 5026 UGANDA UBC; 1942-2112* in EE w/ choral mx, EE pops, freq. and sked., cmntry by Amin, rel. mx. (Moritz 12/24, Mayer 12/24, McNeil 12/24).
- 5030 SARAWAK RM Kuching; 1350-1410 in Bidayah w/ EE ID and nx(Luce,Bryan)
- 5030 VENEZUELA R. Reloj Continente; 0137-0449* in SS w/ LA mx, DJ pgm., pop mx and tlks(Brookwell,Anderson,Macris,Bryan). 1000-1116 w/ ads, and LA mx (Jones 1/6,Luce 12/12).
- 5035 BRASIL R. Aparecida; 0905 in PP w/ tlks. (McNeil 12/23).
- 5035 KAZAKH SSR Alma Ata; 0148 in CC(Bryan),Relay Tashkent at 1227 in RR (Ferrell). 2055-2123 in CC w/ tlks(McNeil 12/30).2205 in RR(Henderson).*1230 //5260 in RR (Shaw,Ferguson,Jamison,Ferrell).
- 5038 CENTRAL AFR. REP. RNC; 0539 in FF w/ native mx(Brookwell). 2115-2301* in FF w/ tlks, flute mx, western mx(Gionet,Macris,Anderson,Snyder). 2340-2350 in FF w/ native mx (Nebron 12/24).
- 5039 SUDAN R. Omdurman; 2055 in AA w/ chanting(Schwartz 12/25).
- 5040 CHINA PLA Fuzhou; 0924 in CC w/ local mx and cmntry by a W(Bryan).
- 5040 COLOMBIA R. Cinco; 0520 in SS w/ LA mx (Bryan 12/17).
- 5040 GEORGIAN SSR R. Tbilisi; 1358-1418 in RR w/ vocals, pips, operatic mx. (Laves,Bryan). 0050-0100* in RR w/ folk mx, pips(Watson 12/17).
- 5040 VENEZUELA R. Maturin; 0233 in SS w/ ads, ID, MoR mx (Ware 1/6).
- 5041 GUINEA-BISSAU Rdf. Nacional; 0615 in lang. w/ Af. mx(Bryan 12/26).
- 5045 BRASIL R. Presidente Prudente; 0133 in PP w/ pop mx, DJ(Bryan 12/27).
- 5045t COOK ISLANDS Rorotonga; 0845-0906 in EE relaying the nx from ABC Brisbane on 4920. Only ABC ID. Light classical mx. (Conrad 12/23).
- 5045 UNID. 0742 weak under Brazilian w/ same fade pattern as Solomons.
- 5046 JAVA RRI Yogyakarta; 1200-1425 in II w/ nx and local (Henderson). mx, some cmntry type tlks.(Bryan,Sherman,Ferrell).
- 5047 TOGO RTVT; *0530-0730 in FF w/ US pops, DJ, ID's, chanting and drum mx. 2200-2303* in FF w/ Af. mx and tlks. (14 reporters). Bishop).
- 5050 TANZANIA RT; 0351-0425 in Swahili w/ ads,tlks//4785(Henderson,
- 5050 VENEZUELA R. Mundial; 2320 in SS w/ lively mx,ads(Lombardo). 0708 in SS w/ LA mx and ID's (Bryan 12/12). (Brookwell).
- 5050 USSR UNID. Vladivostok IS heard 0700 . Could be Petro w/ Vlad relay.
- 5052.5 SINGAPORE RS; 2207-2235 w/ W in CC and mx(Henderson). 2235 in EE on 12/24 (Henderson).1630 in EE w/ pop & MoR mx(Hall,Bryan). 1154 in EE w/ cmntry. (Ferrell).
- 5053v MONGOLIA RUB; 0952-1040 in lang. w/ short mx, tlks, nx, revolutionary mx, fluttery and bad modulation(McNeil 12/26). 1240 in lang. w/ cmntry. QF-1 came in handy(Shaw,Ferguson,Jamison).0826 in MM (Brookwell 12/29). 2350-0115 in lang. (Sherman 12/18).
- 5055 BRASIL R. Educ. Sobral; 0150 in PP w/ class. mx, ads(Bryan 12/20).
- 5055 BRASIL UNID. 2315-0100 in PP w/ possible ID as R. Quitandinha. Hrd Copacabana ID in Feb. 76 here. Any help? (Field 12/31).
- 5055t PERU R. Onda Imperial; 1030 in SS. Very weak. (Field 11/19).
- 5055 SWAZILAND TWR; *0424 w/ bells IS, EE ID, gospel mx, rel. tlks(McNeil)
- 5055 UNID. 1043 in SS w/ mx pgm. referred to as "Colombrana"(Field 11/18).
- 5057 ALBANIA Gjirokastra; 0458-0750 in Albanian w/ operatic mx, cmntry, classical and local mx(Krueger,Bryan,Agner,Henderson).

- 5060 ECUADOR R. Nacional Progreso; 0143-0415 in SS w/ great Andean mx LA pop mx, ID's (Macris, Bryan, Ware, Roberts). 1114 w/ ID, TC (Jones).
- 5060 PAKISTAN RP; *1159 in lang. (Legge 12/15).
- 5060 SOUTH YEMEN Aden; 2026-2032* in AA w/ orchestral mx, chanting, NA of march mx (McNeil 12/25).
- 5065 KARELO-FINNISH REP. Petrozavodsk; 1255-1305 in RR w/ classical piano mx, TC's, tlks by W (Moritz 12/5).
- 5066.5 PAKISTAN RP. (Peshawar?). 1205-1230 w/ nx by W in lang. mx after 1230 then fade out. (Ferrell 1/4).
- 5075 CHINA R. Peking; 1204-1409 in CC w/ classical mx (Bryan, Brookwell).
- 5075 COLOMBIA R. Sutatenza; 1204 w/ DJ pgm. (Brookwell). 0110-0401* in SS w/ nx, LA mx, ID's & TC's (Kay, Jones, Bryan, Anderson, Grenier, Luce).
- 5095 COLOMBIA R. Sutatenza; 0146-0330 in SS w/ class. mx, ID's (Jordan, Bryan).
- 5125 CHINA R. Peking; 1412 in CC w/ cmntry. (Bryan 12/17).
- 5143.6 UNID. 1229-1257* w/ W chorus & South Sea mx w/ ukulele (Brookwell).
- 5145 CHINA R. Peking; 1420 in lang. w/ semi-classical mx (Bryan 12/17).
- 5163 LAOS Vientiane; 1205 in lang. (Shaw, Ferguson, Jamison 12/19).
- 5170 CHINA PLA 2; 0854 in CC w/ accordian mx (Brookwell 12/29).
- 5200 CHINA PLA Fuzhou; 0400 in CC w/ cmntry. (Jordan 12/30).
- 5237 PARAGUAY R. Nacional; 0415-0425 in SS w/ LA mx, ID's (Jordan 12/30).
- 5239 UNID. Numbers station w/ bullfight mx in SS (Brookwell 12/23).
- 5290 ASIATIC RUSSIA Krasnoyarsk; 2350 in RR w/ tlks (Shaw, Ferguson, Jamison).
- 5320 CHINA R. Peking; 0808 in CC w/ nx by a W (Brookwell 12/7).
- 5455 USSR Zhigulevsk, Kuybychev; 1228 w/ mx pgm. in SSB (Shaw, Ferguson, Bernstein, Dunnigan, Haas, Schwartz) 0500-0540 in EE/FF (Woltman, Edelstein).
- 5810 BONAIRE RN; 0434 in EE w/ mx, ID, tlks (Edelstein) Freq?
- 5810 USA VOA-UNR; 0223-0232 in lang. possibly AA w/ nx (Edelstein) Freq?
- 5815 USA WYFR; 0410 in SS // 6325. Also in EE. (Overcamp).
- 5873.5 HONDURAS Voz de Honduras; 1103 in SS w/ light CA mx (McNeil 12/28).
- 5882v ISREAL IBA; 0430-0557 in Hebrew w/ mx, nx, ID's, cmntry (McCoy, Brown, Mooney, Luce, Zilmer, Green, Earhart). past 0600 // 9355 (Padula).
- 5900 ISREAL IBA; *2000-2300 in EE w/ "Mailbag" pgm, nx, tlks, (Hoffman, Bernstein, Dunnigan, Haas, Schwartz) 0500-0540 in EE/FF (Woltman, Edelstein).
- 5915 USSR; Plovdiv-Bulgaria relay? in SS at 0345 (Brookwell).
- 5920 NICARAGUA Rdf. Nacional; 0220-0332* in SS w/ requests for reports, classical mx, mentions of 100kws. (Mayer 12/29, Watson 12/29).
- 5930 CZECHOSLOVAKIA R. Prague; *2130 in EE (Nikolich). 0100-0200 in EE to NA (Schneck, Edelstein, Green).
- 5935 LATVIA R. Riga; *2132 in Swedish w/ class. mx, tlks (Nikolich 1/4).
- 5940 EUROPEAN RUSSIA RM via Nikolayev; 0200-0341 in EE to NA (Brookwell).
- 5950 GUYANA GBS; 2200* in EE moving to 90mb. (Legge). Dunnigan, Edelstein).
- 5951.5 PERU R. Arequipa; 1046 in SS w/ TC's, ID's LA mx (Laves 12/11).
- 5954 COSTA RICA R. Casino; 0430 in EE w/ pop mx pgm. (Pyatt 1/7).
- 5955 NETHERLANDS RN Lopik; 0945-1000 in EE for Europe (Padula 11/12).
- 5960 ANTIGUA DW; *0530-0548* in EE w/ nx and "Sat. Magazine" (McClure, Beirs).
- 5960 CANADA RCI; 2300-0100 in EE w/ nx // 6040 (Davenport).
- 5960 PED. REP. OF GERMANY DW; 0145 in EE w/ nx (Swanson 12/29).
- 5960 INDIA AIR Delhi; 0948 in lang. w/ singing and cymbals (Brookwell).
- 5960 JAPAN R. Japan; 0900 in JJ, 1030 in SS. mixed w/ USSR JJ Svc. which runs from 0900-0930. This freq. x-9530. (Padula 12/18).
- 5960 LITHUANIA RM via Kaunas; 2000 in GG, 2100 in Polish (Legge 12/30).
- 5962 COLOMBIA LV de los Centauros; 0200 in SS w/ LA & US mx (Tuchscher). 0720-0800 w/ ID, TC and mx (Earhart, Padula). 0455-1234 in SS w/ LA mx, DJ pgm, TC's (Hall, Edelstein, Yajko, Jones, Roberts).
- 5970 BORNEO RRI Banjarmasin; 1058 in II w/ C&W mx, nx (Miller 12/18).
- 5972.3 HONDURAS La Voz Centroamerica; 1015 in SS w/ theme mx and ads (Laves)
- 5975 GREAT BRITAIN BBC; 1035 in EE w/ Church Service (Padula). 0450 in EE w/ religious programs (Edelstein 12/27).
- 5980 GREAT BRITAIN BBC; 1847 w/ XMAS pgm. (Haas 12/26).
- 5980 MEXICO R. Mexico; 0200-0330* in SS w/ LA mx, ID's (Jones, Grow, Hall). 0510* in SS w/ TC (Bishop). 1515 w/ mx, nx, tlks (Luce, Macris).
- 5980 PERU R. Panamerica; 0645-1045 in SS w/ light mx, ads, ID's (Grenier).
- 5980 SIERRA LEONE SLBS; 0815 in EE w/ hotel & food tlk (Nebron, Jones).
- 5980 SOUTH AFRICA R. RSA; 2311 in EE w/ "DX Corner" (Swanson 12/11).

- 5980 USA KGEI; 0856 & 1400 in JJ w/ nx (Hauser, Swanson). 1050-1300 in EE w/ nx and 1330-1400 in Asian languages. (Snyder, Swanson).
- 5985 USA WYFR; 0100 in SS w/ tlks and ID (Edelstein 12/26).
- 5987 CELEBES RRI Menado; 1440-1525* in II w/ soft vocal mx (Sherman 12/18).
- 5990 GREAT BRITAIN BBC; 1100 in EE w/ nx (Swanson). Probably Caribbean. Ed.
- 5990 JAPAN RJ; 1000-1110 in EE w/ nx and cmtry. (Davenport, Grenier).
- 5990 ROMANIA R. Bucharest; 0130-0200 in EE w/ nx and cmtry (Schneck).
- 5995 AUSTRALIA RA; 0230-1100 in EE //6005 and 5990. NX, mx and DX pgm. They are testing on this freq. (Imbert, Willis, Davenport, Grenier).
- 5995 GREAT BRITAIN BBC; 0100 in EE w/ rock mx (Swanson 12/2). Lombardo.
- 5995 MALI RdF. du Mali; 2220-2356 in FF/lang. w/ Af, mx, singing (Earhart, USA VOA; 0445 in EE w/ "Breakfast Show", nx (Edelstein). Edelstein).
- 5995 VATICAN RV; *0100-0115 in EE w/ Nx and religious pgm. (Green, Schneck, 6000 CANADA RCI; 0200-0230 in EE w/ nx and magazine reviews (Schneck).
- 6000 COLOMBIA R. Super; 0650-1050 in SS w/ ads, TC's, LA mx (Hathaway, 6000 HUNGARY RB; 0300 in EE w/ nx and cmtry. (Anderson 12/17). Miller).
- 6000 UNID. 0511-0547 in SS w/ mentions of LV de Argentina. (Edelstein).
- 6005 ASCENSION BBC; 0328 in EE w/ IS, ID, nx (Edelstein 12/9).
- 6005 AUSTRALIA RA; 1640 in EE w/ pop mx (Grenier 12/25). Schwartz).
- 6005 CANADA CFCX; 1805-1907 in EE w/ ads, pop mx, nx, sports (Bishop, Macris 6005 JAPAN NHK HS; 1015 in JJ w/ Reloj off. (Padula 12/25).
- 6005 WEST BERLIN RIAS; 0814-0830 in GG w/ songs, instrumental mx, ID, nx at 0830. Reloj was off. (McNeil 12/23). Edelstein).
- 6006 COSTA RICA R. Reloj; 0524-0822 in SS w/ LA mx, ID's & TC's (Hathaway, 6010 FED. REP. OF GERMANY DW; 0125 in EE w/ IS, ID and nx (Cole). Green).
- 6010 ITALY RAI; 0100-0120* in EE w/ world & local nx (Sherman, Gearhart, 6010 USA BBC relay Dixon; 0215-0415 in SS w/ BBC pgms. (Legge).
- 6013 UNID. 0845-1115 in RR, tlks by a W. Who? (Henderson 1/1, 1/2).
- 6015 HONDURAS R. Swan; 0524 in SS w/ nx, pop mx, ID in EE (Earhart). 1010-1255 in SS w/ LA mx, ID's, "Transmite R. Swan, desde Honduras en America Central" (Roberts, Mayer, Jones, Miller, Zilmer).
- 6015 NORWAY RN; 1215 in EE w/ sports tlks, life in Norway (Yajko 12/19).
- 6015 VATICAN RV; 0100 in EE //5995 w/ IS, ID, rel. pgm. (Sherman, Hall).
- 6021 COLOMBIA R. Super; 0707 in SS w/ ID, LA mx (Hathaway 11/27).
- 6025 FED. REP. OF GERMANY DW; 0535 in AA w/ tlks and chanting (Mooney).
- 6025 NIGERIA NBC Enugu; 2230 in lang. w/ Af. mx, tlks (Zilmer 12/11).
- 6025 PORTUGAL RP; 0230-0500 in EE w/ nx, mx, cmtry. (Woltman, Mooney, Luce, Schneck, Swanson, Bernstein, Edelstein). 0117-0200 in PP w/ sports.
- 6025 UZBEK R. Tashkent; 1215-1230 in EE w/ ID, nx, cmtry. (Edelstein) *1400-1430* in EE w/ nx (Earhart, Beirs, Imbert, Mooney, Alvi).
- 6030 USA AFRTS; 0130 in EE w/ ID (Cole). (Overcamp).
- 6030 FED. REP. OF GERMANY VOA Munich; 1957-2025 in AA w/ mx, ID, nx 6035 AUSTRALIA RA; 2155 in EE w/ ID, IS, rare at this time (Overcamp 1/9).
- 6035 SWEDEN RS; *0000 in SS w/ IS and ID (Brown 12/11). Kay).
- 6040 ANTIGUA DW; *0130-0150* in EE w/ nx, cmtry (Alvi, Pyatt, Cole, Jordan, 6040 LIBERIA VOA Monrovia; 2130 in EE w/ "Magazine Show" (Beirs 12/24).
- 6040 USSR RMP; 1000 in RR w/ romantic vocals, IS, nx (Brookwell 12/6).
- 6045 AUSTRALIA RA; 1205-1435 in EE w/ nx, mx //5995 (Brooks, Mooney, Yajko).
- 6045 BRASIL R. Clube Paraese; 0010 in PP w/ soccer game (Brooks 11/28).
- 6045 PERU R. Santa Rosa; 1104 in SS w/ devotional and ID (Jones 1/5).
- 6045 SWEDEN RS; 2300 in EE w/ New Years Day pgm. (Luce 1/2).
- 6045 SWITZERLAND SBC; 0430 in EE w/ ID & nx (Swanson, Gesell, McKrell). 0525 II to GG w/ IS (Guarducci), 0800 in FF w/ Swiss mx, nx (McLaughlin).
- 6045 USSR RM; 2130, 0000 in EE w/ nx and cmtry. (Wineland, Woltman).
- 6050 ASIATIC RUSSIA Nikolayevsk; 0830 in JJ (Brookwell 12/14).
- 6055 BELGIUM BRT; 0030 in EE w/ nx (Dunnigan 12/18).
- 6055 CZECHOSLOVAKIA R. Prague; 2300 in EE w/ tlks. (Luce 1/2). Grenier).
- 6055 JAPAN NSB; 1515-1706 in JJ, into EE at 1530 w/ pop mx (Sherman, DeLap, 6055 USA UNR; 0500-0527* in EE/Hebrew w/ nx (Grow 12/21). Green).
- 6060 CUBA RHC; 0200 in FF w/ speech (Gionet). 0530 in SS to 0601* (Edelstein, 6060 SARAWAK RM Miri; 0957-1030 in Iban w/ chanting, children songs, ID's as "Inilah Radio Malaysia, Miri" (Padula 1/1).
- 6060 SICILY RAI Caltanissetta; 2131 in Italian w/ drama, ID (Agner 12/28).
- 6065 CANADA RCI; 0540 in EE w/ pop mx, ID's (Edelstein 12/28).
- 6065 COLOMBIA R. Super; 0600 in SS w/ LA mx, ID, nx (Imbert, Hathaway, Grow)

- 6065 SPAIN RNE; 0150-0300 in EE w/ nx, cmntry(Jordan,Gearhart,Schneck).
 6065 SWEDEN RS; 1615 in EE //9665,11735 w/ bell IS, tlks(McNeil,Sherman).
 6070 CANADA CFX; 1205 w/ mx, 1700 in EE w/ nx & sports(7 reporters).
 6070 INDONESIA RRI Jayapura; 1230 in II w/ local mx, irregular(Willis).
 6075 FED. REP. OF GERMANY DW; 0238 in SS, 1105 in GG(McNeil,Edelstein).
 6075 ITALY RAI; 0430 in EE w/ IS, nx by a W, tlks(Gionet 12/27). Zilmer).
 6080 BELGIUM BRT; 0030-0045* in EE w/ DX Corner, ID, rock mx(Sherman,
 6080 MALTA IBRA; 2030-2115* in EE w/ nx, rel. pgm.(Brooks,Beirs).Earhart).
 6085 ESTONIAN SSR R. Tallin; 0825-0900 in Finnish w/ local mx (Brookwell).
 6085 INDIA Madras; 1242-1321 in EE w/ sub-cont. mx(Henderson,Vokes,
 6090 AUSTRALIA ABC Sydney; 1145 w/ XMAS mx(Ferrell 12/24) Moritz,Ferrell).
 6090 LUXEMBOURG RL; 0000-0030 w/ nx, rock mx, ID's(Conrad,Gionet,Grow).
 6095 PERU R. Nacional Mil Ochenta; 1113 in SS w/ Peruvian mx (Barto 12/15)
 6095 ECUADOR HCJB; 0230-0405 in EE w/ mx, DX Party Line (Swanson,Kay).
 6100 FED. REP. OF GERMANY DW; *0530 in EE w/ nx,*0130 w/ ID in EE(Daven-
 6100 USSR RMP; 1000 in JJ w/ TC (Brookwell 12/7). port).
 6105 MEXICO XEQM; 0215 in SS w/ US pop mx, ads,1405 MoR mx(Ware,Bishop).
 6110 PARAGUAY R. Charitas; 1550 in SS w/ US rock mx, mentioned QTH(DeLap).
 6115 COLOMBIA LV de Llano;0005-0150 in SS w/ LA pops,tlks (Shotoca,Bishop)
 6115 MEXICO R. Univ. de Sonora; 1950 w/ classical mx, 0040 in SS w/ ID as
 Desde Hermosillo, Sonora en la Republica Mexicana(Roberts,Grenier).
 6115 PAKISTAN RP; 1842 in Turki ,2018 in EE w/ World Svc. x-9445(Padula).
 6115 USSR R. P&P; 2300 in Creole w/ ID, nx & cmntry, 2330* (Brooks 11/27).
 6119 VENEZUELA R. Angostura; 0958 in SS w/ bells,ID (Laves 12/6).
 6120 SWEDEN RS; 2308 in EE w/ "Panorama" pgm., mx, //6045 (Gionet).
 6125 USSR RM; 2300 in EE w/ nx, ID (Beirs 12/19).
 6130 ECUADOR HCJB; 0600 in GG w/ rel. tlks, mx, ID (Edelstein). Chicky).
 6130 SAUDI ARABIA BSKSA; 1830-2300 in AA w/ chants, cmntry, ID(Schwartz).
 6135 SOUTH KOREA KBS; 1720 in KK w/ pop mx, W w/ nx(Rojewski). Luce).
 6135 SWITZERLAND SBC; 0145-0215 in EE w/ nx,ID,TC's(Imbert,Davenport).
 6135 TAHITI R. Tahiti; 0450 in Tahitian w/ Island mx (Hill 12/16).
 6140 BURUNDI RTVB; 0353 in FF w/ tlks and native mx (Henderson 12/31).
 6145 ALGERIA RTVA; 0600 in AA w/ chanting, stringed mx (Edelstein).
 6145 GERMAN DEM. REP. RBI; 2125 in FF w/ nx, 2130 into AA (Gionet 12/23).
 6150 SEYCHELLES FEBA; 0112 in Asian lang. w/ ID, 0115 into another Indian
 dialect. Very unusual opening at this time.(Padula 12/18).
 6155 JAPAN FEN; 1330 in EE w/ pop mx, ads(Jones 12/11).
 6160 CANADA CKZU Vancouver; 0800 in EE w/ sports,wx,pop mx(Junqua 12/29).
 1830 w/ relay of CBU w/ ID(Rojewski 12/12). (Jones,Schneck).
 6160 COLOMBIA Emis. Nueva Granada; 1227 in SS w/ ID, comls, TC's,RCN ID's.
 6160 GREAT BRITAIN BBC; 2210 in EE //6180 w/ World Svc,ID (McLaughlin,BP).
 6165 NETH. ANTILLES RN; 0200-0500 in EE w/ pop mx, DX Juke Box(11 reports)
 6165 USSR RMF; 1046 in CC //6145 w/ oriental mx, tlks(Brookwell 12/7).
 6170 COLOMBIA Voz de la Selva; 0730-0815 in SS w/ LA mx, ID's(Brown).
 6170 MOROCCO RTM; 2325 in AA w/ chanting, //9615(Imbert).
 6170 VENEZUELA R. Nacional; 1009 in SS w/ ID, mx pgm. (Jones 1/6).
 6175 ANTIGUA BBC; 2330-0020 in EE w/ nx, folk mx, World Svc.(Haas,Kay).
 6175 GREAT BRITAIN BBC; 0430-0700 in EE w/ World Svc. pgm. (Peterson).
 6180 CYPRUS BBC; 2100 in EE //6195 w/ mx, ID's(Beirs,Hauser). Davenport).
 6180 GUATEMALA Voz de Guatemala; 1247-1337 in SS w/ "Panorama del Mundo",
 ID's, TC's, pop vocals(Brooks,Sherman).
 6180 MOROCCO RTVM Tangier; *0000-0200* in AA //9615(Libya 2300*)(Legge).
 6185 FED. REP. OF GERMANY DW; 0530 in EE w/ nx,"Magazine Show"(Schneck).
 6185 LIBYA PRB; 2030-2300* in AA w/ chants,ID,tlks by a M(Krueger,Niko-
 6190 FED. REP. OF GERMANY Sender Freies Berlin; via R. Bremen llich).
 0748-0805 in GG w/ ads,ID,pips,nx about Berlin(McNeil 12/23).
 6190 VATICAN RV; *0630 into Latin Mass. (Padula 12/28). Jones,Zilmer).
 6190 VENEZUELA Ecos del Torbes; 1100 & 2300 tx w/ pop mx,ads //4980(Legge
 6195 ANTIGUA BBC; 1955-2022 in EE w/ world nx(Raper 12/21).
 6195 CHILE R. Nacional de Chile; 1014 in SS w/ nx, ID (Jones).
 6195 GERMAN DEM. REP. RBI; 0530 in GG to No. Af. (Padula 12/19).
 6197.2 USSR RM; 2311 //6125 in EE w/ cmntry, also //6088.8(Hauser 12/16).
 6200 USSR Mayak; 2059 in RR w/ ID, nx (Hauser 12/14).
 6200 ALBANIA R. Tirana; 0345 in EE w/ nx and cmntry(Dunnigan 12/16).
 BEST OF DX TILL NEXT MONTH.....73's.....

log report section

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6201 kHz - 11700 kHz

FEBRUARY, 1977

- 6210nf PAKISTAN RP; 2055 national mx, nx by W in lang, 2115 EE nx (ex 6115) (Padula 12/4).
6212 UNID; 2045-2100 w/AA nx. Heard almost every day. Help! (Barto). -Pakistan? (ed).-
6225 CHINA R. Peking; 1404 CC 1st HS pgm // 6320 & 6750 (Brookwell 12/27).
6230t ANDORRA R. Andorra; 0758 pop mx w/no ID heard. Utility QRM (Bishop 1/2).
6250a KOREA (NORTH) KCBC; 0915-0930* KK tlk by YL, ID, Violin mx to 0930* (Delap 1/1).
6290 KOREA (NORTH) KCBS; 2330 Korean talk //11350 and 6600 (Zilmer 12/23).
6290 CHINA R. Peking; 1350 CC tlk. Switch to Chaochou lang at 1400 (Brookwell 12/27).
6320mf CHINA R. Peking; 1330 CC HS w/ tlk. Switch to vernacular at 1400//6225 & 6750 (Brookwell 12/27). 2155 FF talk (Hauser 12/18).
6345 CHINA R. Peking; 1326 CC HS 2nd pgm w/talk by man (Brookwell 12/27).
6400 CHINA Chinese Peoples Liberation Army; 1426 Amoy lang w/talk by man (Brookwell).
6430 CHINA R. Peking; 1330 CC with talk & Oriental mx (Brookwell 12/27).
6500nf CHINA R. Peking; 1329 CC HS 1st pgm w/talk by man //6663 (Brookwell 12/27).
6540 KOREA (NORTH) R. Pyongyang; 1338 JJ w/talk by man & Chorus mx (Brookwell 12/27).
6580 LEBANON V. of Lebanon; 0614-0621 FF w/W announcer. Weak & faded quickly (Barto 12/10)
6600 KOREA (NORTH) KCBS; 2300 Korean talk, nx, chorus //6290 & 11350 (Zilmer 12/23).
6645 CHINA R. Peking; 1418 Kazah lang w/talk by woman. FS. (Brookwell 12/27).
6663 CHINA R. Peking; 1342 CC HS 1st pgm w/talk by man // 6500 (Brookwell 12/27).
6684.5 CHILE; R. Colo-Colo formerly reported here, but another Chilean being relayed 0743 SS, R. Cooperativa ID in passing on RSCSSB; rock, EE & SS ads for something in Santiago, Christmas wishes (Hauser 12/25).
6695 LAOS (Xiang Khauang); Heard to 1400*. //4603 not heard (Willis 12/4, 12/20).
6750 CHINA R. Peking; 1346 CC HS 1st pgm//6225, 6320, 6500, 6663 (Brookwell 12/27).
6770nf CHINA R. Peking; 1342 CC w/ talk. International IS at 1350 (Brookwell 12/27).
6840 CHINA (Inner Mongolia) Hahehaote; 1349 CC 1st pgm w/talk //6750 (Brookwell 12/27).
6885nf CHINA R. Peking; 1350-1442 CC w/talk// 6290 before 1400 (Brookwell 12/27).
6936 CHINA R. Peking (Kunming); 1409 CC 2nd pgm w/talk. Very weak (Brookwell 12/27).
6955 CHINA R. Peking; 1351 CC w/talk & choral mx (Brookwell 12/27).
7065 ALBANIA R. Tirana; 0000 EE nx (Swanson). 2030+ EE nx abt USA & USSR (Bernstein, Delap)
7080 CHINA R. Peking; 1753* Cantonese w/talk & Orient mx, ID, International IS and off. (Brookwell 12/5). 2010 EE ID, 'China in Construction' pgm (Rojewski 12/7).
7100 BULGARIA R. Moscow Relay; 2250 EE Mailbag pgm (Swanson 1/8).-I have 7105 listed (ed)-
7105 MONACO TWR; 0630-0900* EE Religious pgm (Chicky, Hoffman, Green).
7105 SPAIN RTVE; 1155-1205 SS w/light mx, talk, TC, etc (Earhart 12/11).
7110 MALI Rdf du Mali; 0900 FF ID, guitar mx, etc (McNeil 12/25, Schwartz 12/25).
7115 BULGARIA R. Sofia; RS has retimed its 2nd xmsn to NAM & put it on a freq that gets through well, unlike 9700 or 6070. This xmtx is also used earlier for R. Moscow relays. First noted 12/11 0448-0457* w/DX Pgm (Hauser).
7120 ALBANIA R. Peking; 0300 EE w/nx, mx, cmntry abt crime in USA (Bernstein 12/8).
7120 USSR R. Moscow; *2130 EE nx, People & Events, etc.// 9800 & 9490 (Gionet 12/22).
7120 UNID; 1245-1315 CW & SSB int, tlk bt man & woman in lang, Orient & AA mx (Snyder 12/26
7125.8 GUINEA Rdf Nationale; 0339 FF (presumed), Afro mx//4910 (Sherman). 0505 w/w. African strumming, ID (Hauser). 0910 FF mx, ID, announcements (Schwartz).
7125 POLAND Polish R; 2005 EE nx, tlk abt Brezhnev (Gionet 12/18). -I Have Swedish listed-
7130 CHINA R. Peking; 0927 CC Sing Song w/talk by female, CC mx, etc. (Brookwell 12/19).
7130 USSR (Vladivostok); RR w/MAYAK IS. CW QRM at 1800 (Brookwell 12/5).
7130 USSR R. Yerevan; 0322 EE ID, nx, freq, ID, EE off at 0326 (Rojewski 12/22).
7135 MONACO TWR; 0800 EE w/Bible Class (Grenier 12/26).
7135 TADZHIK SSR R. Moscow Relay; 2115 EE nx, cmntry (Grow). 2205 EE r.c, cmntry (Bishop).
7135 UNID; 1245 w/talk in lang, class mx, AA chants. 1323 FF talk & mx (Snyder 12/26).
7150 USSR R. Kiev; 0030 EE. Gave sked: 1930 to Europe 7360/6020/5920; 0030 NAM 15100/11690 9610/7215/7150/5980; 0300 NAM 11860/9780/9580/7400/7245/7215/5980 (Hauser, Hathaway, Janko)
7155 JORDAN HKBS; 0623 AA tlk, chants, flutes (McLaughlin). 1800 AA w/ARO ARM (Schwartz).
7170 GREECE VOA (Kavala); 2113 EE nx & ID (McClure 1/5). Gesell).
7170 NEW CALEDONIA R. Noumea; 0600-1105* FF (Earhart, Schwartz, McClure, Grenier, Brookwell,
7180 ENGLAND VOA; 0753-0800* EE to West Africa (Brookwell 12/9).
7180t USSR (Blagoveshchensk); 0822 RR MAYAK pgm w/Opera//7200. (Brookwell 12/9).
7190 MOROCCO VOA; 0325 EE w/information on Africa & News (Beirs 12/5).
7190 YEMEN PDR DYBS; 2005 AA mx, ID, nx, light mx, etc (Roberts 12/5).

- 7195 LIBERIA VOA; 0315 EE w/African Safari (Anderson). 0513 EE (Hathaway).
 7195 ROMANIA R. Bucharest; 1945 EE tlk about Economy (Miller 12/28).
 7195nf PAKISTAN R. Pakistan; 0027 (ex 7135) national mx, World Svce (Padula 12/18).
 7200 HUNGARY R. Budapest; 0100 SS. Good signal (Hauser 12/7).
 7200 USSR (Yakutsk); 0030-0630 RR HS w/IDs in RR & Yakut w/IS (Brookwell 12/16).
 7203 KOREA (NORTH) R. Pyongyang; 1000 EE w/IS, ID, nx, mx, etc. (Imbert 12/31).
 7205 USSR R. Moscow; 0345 EE information about Soviet Life (Luce 12/18).
 7205 USSR; 0648 RR 1st pgm w/ballad,orch(Earhart). 1020 MAYAK 2nd pgm. IS sounded like Tallin in '73 & '74 WRTVH (Earhart).
 7210 SENEGAL Rdf du Senegal; 0745 FF w/mx, ID & nx. Mention of St. Louis (Delap 12/23).
 7215nf IRAN NIRT; 2015 HS Farsi relay. Clear after 2050 Athens s/off (Padula 12/11).
 7215 USSR R. Vilnius; *0100 EE nx, mailbag, mx. Strong signal (Klassman 12/27).
 7220 USSR (Irkutsk); 0030 CC w/ P&P ID. Organ IS. Same tune as P&P Trumpets (Brookwell).
 7225 TUNISIA RTVE; 0750 AA chorus & tlk//15225 (McNeil). (t) 2130 AA singing (Sherman). *0430-2400* (ex 7275) //11970 & 15225. This is the AA station here (Legge).
 7225a EGYPT R. Cairo; 0650 AA mx & cmtry (Gesell 12/21).
 7225 IRAQ R. Baghdad; 0340+ V. of Masses pgm, ID, Bird IS, etc (Brookwell, Willis).
 7235 AUSTRALIA R. Australia; 1618 EE pgm w/ARO QRM (Sherman 12/15).
 7240 AUSTRALIA R. Australia; 1155 EE w/classical & Jazz mx (Yajko 12/19).
 7255 RYUKYU ISLAND VOA; 1138+ CC talk by lady (McClure 12/29).
 7260 GERMANY (EAST) RBI; 0525 GG cmtry (Schwartz 12/20). -I have Portugese listed!-(Ed).
 7260 INDIA AIR; 1228 Hindi mx to 1232 ID. Fair/poor w/flutter (McNeil 12/28).
 7260 UNITD; 0945-1100+ w/Orient lang, RR IS & CC pgm. Could this be Ulan Bator w/FS & Radio Moscow Relay? Horrible audio. //7295 (stronger). (Brookwell, Watson).
 7265 GERMANY (WEST) Sudwestfunk; 0000 GG M & W mx (Abraham).
 7270 INDONESIA RRI (Jakarta); 0027 Indonesian talk by lady, pops (Padula 1/1).
 7270 SOUTH AFRICA RSA; 0428 EE & Lozi ID, NA, ID, Lozi pgm w/nx (Green 12/4).
 7275 NIGERIA VON; *0645-0830 Bell IS, Drums, NA, ID, nx, etc. (Brown,Hauser,McClure, Green,Sarrazin, Gesell,Peterson,Schneck,Hathaway,Beirs). 2020 FF to Anthem & Lang29 s/off (Brooks). NBC (Not the BS) hrd w/fine level 0800-0930 (Willis 12/10). -Lang?-
 7280 LIBERIA VOA; 0300 EE news & music (Luce 1/6).
 7295 GREECE VOA (Kavala); 0400 EE ID, nx (Grow). 0520 EE Breakfast Show (Dunnigan).
 7300 GERMANY (EAST) RBI; 1900 EE tlk on Youth Organizations & Sports (Gionet 12/18).
 7310 USSR (Novosibirsk?); 1415 RR tlk, classical piano mx, etc. (Agner 12/24).
 7315 CHINA R.Peking; 1410 EE tlk on Imperialists(Grenier)-I wonder who they could be?(hi!)
 7325 CANADA CHU; 1553 Time pips with EE & FF announcements & time (Alintuck 12/19).
 7335 USSR Radio Peace & Progress; 0210 SS talk on SAM. CHU QRM (McLaughlin 11/18).
 7345 CZECHOSLOVAKIA R. Prague; 0100 EE s/on, ID, Nx, cmtry, features (Davenport,Green).
 7350 USSR R. Moscow; 2115 EE letter pgm beamed to UK & Ireland (Klassman 12/5).
 7373 VIETNAM VOV; 1230 Lang talk, mx, chorus, singing//10060 (Zilmer 12/19).
 7374 ISRAEL IBA; *2000 Hebrew HS with Jazz music (Zilmer 12/24).
 7412.5 ISRAEL IBA; *0500 EE news, press review; 0515 FF (Hoffman, Klassman). *2230-2300* EE nx, 'Thank Goodness this is Friday' pgm, Voices from Israel (Woltman,Haas).
 7417 VIETNAM VOV; 1245 lang talk, laughing audience, mx//10224 (Zilmer 12/19).
 7440 USSR R. Moscow; 2300 EE Mailbag w/questions abt Soviet TV Strong signal (Luce 12/20)
 7460 ISRAEL IBA; 0445 lang w/classical mx (Guarducci). 2000 Hebrew w/Jazz mx (Zilmer).
 7470rf VIETNAM VOV; 1300 FF tlk//10040,12035,7512 (Zilmer). 1530 EE FS (Willis).(Overcamp).
 7500 AUSTRALIA VNG; Time pips & EE ID at 0759 (Cohen). 2100 but didn't hear voice ID
 7512 VIETNAM (Tay Nguyen); 1241 Indonesian tlk (Henderson). 1300 Cantonese tlk (Zilmer).
 7620 CHINA R. Peking; 1738 EE tlk abt commie productivity, etc//9860 (Brookwell 12/5).
 7780 CHINA R. Peking; 2257* closing PP to Brazil & Internationale (Hauser 12/13).
 7925.2 USSR R. Moscow; 0047 EE. 1st time I recall hearing a RM NAM svc feeder & on RCSSB
 9009 ISRAEL IBA; *2000-2030* EE nx & Voices from Israel (Haas 12/22). (Hauser).
 9022 IRAN VOI; *1930 FF nx. 2000 EE nx (Gionet, Beirs, Hauser, Nebron, Snyder). 2216 Farsi w/Koran chants (McCoy)
 9064 CHINA R. Peking; 1959-2005 w/unusual ID signal (Nebron 12/26). -Language? (ed)-
 9355nf ISRAEL IBA; 0608 Hebrew HS//5882 (ex15512.5) w/ads (Padula) 2000 Hebrew (Zilmer).
 9360 SPAIN RTVE; 2327 SS pgm (Hathaway). 0100 SS pgm to Central & SAM (Sarrazin).
 9370 UNITD; 1333 CC tlk by woman. WRTVH says Pyongam but I suspect Peking (Sarrazin 11/26)
 9390 CHINA R. Peking; 1300 RR(?) w/IS, talk by female & no mx (Earhart 12/31).
 9410 ENGLAND BBC; 1237 EE tlk about mx (Earhart). 1405 EE mx, etc.(Mooney,Sarrazin).
 9420 KOREA (NORTH) R. Pyongyang; 2000 EE nx, cmtry (Zilmer 12/24).
 9425 ISRAEL IBA; 2000 EE nx, cmtry, Israel Hit Parade, etc. (Hoffmann 12/14).
 9430 ALBANIA R. Tirana; 2120-2128 SS tlk by W, International, IS, off air. (Sarrazin).
 9435 ISRAEL IBA; *2230-2300* EE nx & calling all listeners (Haas 12/12).
 9440 CHINA R. Peking; 1135 FF nx (McLaughlin). 2335 mx pgm including long ETR (Sarrazin)
 9445 CANADA RCI Armed Forces Service; 2215 EE talk on Fishing in Canada (Grenier 12/31).
 9450 USSR R. Moscow; *1130 EE nx, pgm abt Christmas//11705,11830,15190(McLaughlin,Gionet).
 9460 CHINA R. Peking; 0103 PP w/EIR, ID, nx, etc. (Sarrazin 11/28).
 9460 PAKISTAN RP; 1325 EE & lang IS, EE ID, Local mx & talk in language (Zilmer 12/27).

- 9470 CHINA R. Peking; 1205 EE nx (Gionet). 1330 EE talk about Mao (Sarrazin).
 9470 USSR MAYAK; 0200 RR w/IS, classical mx, etc(Sarrazin). 1320-1330* Orchestra mx featuring trumpet, then music featuring a banjo, mx, IS, off w/no ID (Sarnhart).
 9475 EGYPT R. Cairo; 1800+ AA talk & chant, etc. (Sarrazin 11/21, Bogel 12/12).
 9480 ALBANIA R. Tirana; 1830 EE ID, nx, etc. (Rojewski). 2050 EE nx, ID (Green).
 9490t CHINA (Tibet) Lasa; 1218 Chime like IS underneath QRM ex Soviet RR bc (McLaughlin)
 9490 USSR R. Moscow; *0630 FF w/classical mx (Sarrazin). -I have French listed here (ed)-
 9505 DOMINICAN REP; R TV Dominicana; 0000 SS mx, tkl, ID (Davenport 12/21).
 9505 JAPAN NHK; 0600 EE nx, current topics pgm. JJ at 0615 (McKrell 12/29).
 9510 FRANCE RFI; 1700 EE Paris Calling Africa (Zilmer, Hall, Rojewski) 1850 FF(Brown).
 9510 INDONESIA RRI (Ujung Pandang); *0500 w/nx relay from Jarkarta (Padula 1/3).
 9510 SEYCHELLES FEBA; *1656 EE w/IS, ID in EE to N.E. Africa then into Farsi (Osterman).
 9510 USA (Greenville) BBC; 0100 EE w/Duke Ellington concert. BBC uses Sackville from 2300-0030 then switches to Greenville to 0330. Confirmed by K. Andrews of BBC(Zilmer).
 9510 VENEZUELA R. Barquisimeto; 1157 SS ID, LAm mx. Good signal (Yajko 12/31).
 9515 TURKEY VOT; 1200 Turkish pgm (Willis 12/5). 1850 TT tkl & mx (Schwartz 12/25).
 2202-2235 TT/EE ID, nx, ID, DX pgm, etc. (Wineland 12/27, Green 12/14).
 9515 AUSTRALIA R. Australia; 0800 EE nx, International Report, etc. (Schneck 12/12).
 9520 ANTIGUA BBC; 0930 EE w/one-time-only freq for Queen Xmas message (Hauser 12/25).
 9520 CHILE R. Centinela; 1158 SS man & female announcer, ads, chimes, etc (Earhart).
 9520 PAPUA NEW GUINEA NBC; 0800 EE New Years Eve Celebration(Schneck, Sarrazin, Schneck).
 9520mf SWAZILAND TWR; *0355-0500 GG/Africans ID, NA, GG Religious pgm (Nebron 12/30).
 9525 CUBA RHC; *0630 EE nx, cmntry, 'Spotlight on LAm', etc. (Bernstein, McKrell).
 9525 INDIA AIR; 1821 Hindi mx, flutes, Fair level (Nikolich 1/3). 2045-2112 EE news, cmntry, interviews, etc (Zilmer 1/1, Alvi 12/15).
 9530t JORDAN HKBS; 1200-1400*. No ID heard although I'm positive it is Aman (Willis).
 9530 MONACO TWR; 1030 EE s/on, IS, ID, Family Bible Hour, etc. (Green 12/16).
 9535 ANGOLA R. Nacional; 0458 w/weird tuning signal, 0500 Anthem at s/on, woman said what appeared to be one word "Luanda". Then immediate s/off! Strangest thing I've heard for many years! (Padula 12/19).
 9535 CANADA RCI; 0100 EE nx into features for Nam (Davenport 12/6).
 9535 SARAWAK R. Malaysia; 0050 w/EE talk about SEAsian events by Lady (Padula 12/12).
 9535 SWITZERLAND SBC; 2100 EE sked. and world news (Alintuck 12/19).
 9545 ANTIGUA DW; *0359 EE ID into GG pgm (McClure 1/7, Hathaway 11/26).
 9540 AUSTRALIA R. Ausrealia; 1930 EE mailbag pgm to Pacific Isles (Zilmer 12/29).
 9545 IRAQ R. Baghdad; 1935 EE talk by woman w/ID. Fair signal (Overcamp 1/9).
 9545 LEBANON R. Beirut; 0600 AA nx by lady. Abrupt s/off 0611. Very strong (Padula 12/3)
 9545mf SWEDEN R. Sweden; *1400 EE nx & looking back at Sweden in 1976//15305, 11925 (Zilmer)
 9545 UZBEK SSR R. Tashkent; 1400 EE nx, mx & features //9600 (Brooks, Mooney 12/18).
 9550 CUBA RHC; 1640-1645* SS Cuban mx w/sign-off amts. V. Good signal (Krueger 12/26).
 9550 FRANCE RFI; 1700 EE Paris Calling Africa//9715, 9505, 9695. 9585 not hrd(Cohen, Zilmer)
 9550 FINLAND R. Finland; *0930 EE for W. Africa on a Sunday. New EE svce for Sat & Sunday only 0930-1000 (Padula 12/26).
 9555 KUWAIT R. Kuwait; 1735 EE w/list of All Nite Drug Stores, nx, wx, pop mx(Lombardo).
 9560 AUSTRALIA Radio Australia; 0750 EE mailbag pgm (Grenier 12/19). 1030 CC w/ID & tkl (Delap 1/1). 1529 CC nx, talk by man. Good signal (Krueger 12/23).
 9560 BULGARIA R. Sofia; 1909 AA tkl & mx. It seems like it could be Jordan but don't be fooled as they IDed at 1941 as Radio Sofia (Snyder 12/8).
 9560 ECUADOR HCJB; 0100-0550 EE pgm (Davenport, Alintuck, Green, Swanson, Bogel).
 9560 JORDAN R. Jordan; 1700 EE nx, mx, cmntry, etc (Gionet, Yajko, Beirs).
 9560 SOUTH AFRICA RSA; 0632 Afrikaans svce w/talk & mx. 0715 fade/out (Padula 12/18).
 9566v CHILE VOC; 0120 EE nx & ID (Bishop, Yajko). 0218 EE nx, mx, ID (Mooney, Beirs).
 9570 AUSTRALIA R. Australia; 0800 EE pgm (Hathaway 12/25).
 9570 QATAR QBS; 1345 AA w/AA chants (Cress 12/14). 1200-1500 Good level (Willis 12/6).
 9575 AUSTRALIA R. Australia; 1456 Club Forum, nx, sports. Announced that for Nam listeners, Mailbag has been resked to 1240 Sundays (ex 1340). (Hauser 12/25).
 9575 ITALY RAI; 0100 EE to Nam (Sherman 12/20). 0206 Italian ID (Conover 12/28). 1835 Italian nx, cmntry & ID. 1856* (Schwartz 12/25, Haas 12/26).
 9580 AUSTRALIA R. Australia; 1100-1215 EE nx, mx, etc (Davenport, Woltman, Swanson).
 9580mf KUWAIT R. Kuwait; 1815 EE ID, pop mx (Schwartz 12/19).
 9580 PHILIPPINES VOP; 0805 EE mx & cmntry (Grenier 12/19).
 9585 JAPAN NHK; 0100 EE in General Service (Padula 1/1).
 9585 SOMALIA R. Mogadishu; Excellent level at 1235 in Somali (Willis 12/14). 1817-2100* Somali & AA talk and mx (McClure, Bogel, Snyder, Sarrazin, Chicky, Earhart).
 9585 SOUTH AFRICA RSA; 2230 EE nx, Panorama, etc. (Schneck, Davenport). 0340 EE to East Africa with a superb signal. Recent NF (additional freq for this svce)(Padula)
 9585 SYRIA SARBS; 1925 AA cmntry & ID (Schwartz 12/25).
 9590 CHILE R. Balmaceda; 0125-0150 SS Fdtbol game, question & answer session(Roberts, Bishop)
 9590 SWAZILAND TWR; 0512 EE DX Special. Some weeks this DX pgm is to be different from other TWR outlets, produced by the South African DX-ers (Hauser 12/11).

- 9595 BRAZIL R. Cultural da Bahia; 2343 PP w/Brazilian pops, amnt of "Beisbol" game w/much mention "Bahia", sports, nx, mx, ID, ads, etc. (Roberts 12/10).
- 9595 JAPAN NSB; 0530 JJ talk (Grenier 12/14).
- 9595 VATICAN STATE Vatican R; *1505 EE tlk & Indian mx//11845. (Willis 12/10).
- 9600 UZBEK SSR R. Tashkent; *1230-1230* EE (Chicky). 1400 EE nx (Brooks, Jones).
- 9600 TAIWAN WFOC; 2340 SS pgm w/CC mx to Sam (Padula 1/2).
- 9605 ANTIGUA DW; 1345-1415 EE ID into SS pgm (Alintuch 12/25).
- 9610 USSR R. Peace & Progress; 1200 EE tlk on glories of Soviet Socialism (Brooks).
- 9608.5 ALGERIA RTVA; 2030-2120* FF pgm w/ID, AA to 2200*. Listed 9610 (Sherman 1/5).
- 9615 INDONESIA RRI (Jayapura); 0500 w/Indo pops & tlk by W. Also 0000-0100 at good level w/seemed religious presentation w/chants & apparent religious discussion (Padula).
- 9615 LIBERIA VOA; *0400 EE ID, then Bulgarian pgm (Brown 1/2).
- 9615 MOROCCO RTVM; 1607-1630 AA. Mx w/many instrumentals, tlk by man (Sarrazin 11/21).
- 9620t YUGOSLAVIA R. Belgrade; 1832 EE nx (Gionet) 1942 Slov M&W tlk w/no mx (FF pgm sked in WRTVH) (Brookwell). 2000 EE nx (Nebron). *2200 EE pgm (Imbert, Cohen).
- 9620nf CHINA (CLANDESTINE) V. of the Malayan Revolution; 1005 EE political tlk & revolution songs (ex 11830) (Padula 12/2). 1445-1530* EE service (Willis 12/9).
- 9620t MOZAMBIQUE R. Mocambique; *1800 V. of Zimbabwe w/several ID's, TC, slogans, African mx, nx, cmtry, "...after liberation, the reins of power must be in the people's hands." Said at 1815 that they were in the 25, 31, 41, 49, 60 & 92 metre bands, and 917 MW. This was repeated in PP. A pgm of PP tlk & African mx followed. (Watson 12/21). (t) 2030-2100* PP tlk. Fairly strong but unreadable. (Sherman 1/5).
- 9620 VIETNAM (Ho Chi Minh City); 0140 fade/in w/Vietnamese play & traditional VV mx. 1st time I've heard this outlet for many months, used to be rather consistent in evenings before unification of Vietnam (Padula 1/1).
- 9625 USSR R. Moscow; *0100 CC service pgm (Padula 1/1).
- 9635 PORTUGAL R. Liberdade; 2000-2100* Special xmas pgm w/hyms & childrens' messages. After 2030 HCJB QRM. PP ID as "Radio Liberdade Portugal" often (Padula 12/24).
- 9635 USSR R. Moscow; 0105 EE nx & propaganda which was anti US & Israel (Bogel 12/15).
- 9640 KOREA (SOUTH) WFOC; *0058 KK ID into JJ pgm. Also, 2335 SS pgm to Lam (Padula).
- 9645 COSTA RICA TIPC; 1300 SS pop & xmas mx (Zilmer). 1700 SS ID, relig. mx (Krueger).
- 9645 PHILIPPINES R. Veritas; 1400 EE & announces 9550, 11780 & 15260 none of which are there. (Strange. (Willis 12/10).
- 9645 VATICAN STATE Vatican R; 2130 EE news Roundup. Go My Way pgm, etc. (Hoffman 12/18).
- 9655 THAILAND R. Thailand; 0108 EE nx, mentioning various Thailand events (Padula 12/31). 0005 EE w/commentary program (Padula 1/1).
- 9654.3 COLOMBIA R. Nacional; NFI 1125 SS w/NA, ID, classical mx. Tnx to Hadley Cress for tip (Krueger). 1215 SS ID, tlk, mx (Earhart). 1820 (t) in Operatic mx (ex 9682) (Hauser)
- 9660 VENEZUELA R. Rumbos; 2352 SS sports, nx, ID for "La Cadena Rumbos" (Roberts 12/10).
- 9660 USA WYFR; 0000 SS Relig. pgm. Announced freqs: 11855, 11875, 9690 & 9525 but was only on 9660. (Brookwell 12/30).
- 9665 BRAZIL R. Nac. Brasilia; 0043 PP ID. Good signal (Sherman 12/20).
- 9665 MALAYSIA R. Malaysia; 0000 EE svce past 0200 (Padula). *0426 w/HS ID, chimes, anct by lady in MM, TC, CC service. 0500 EE nx. Same pgm also heard on 11900 (Padula 1/3).
- 9665 SWEDEN R. Sweden; 1600 EE nx to Europe//6065 & 11735 (Zilmer 12/22, Sherman 12/27).
- 9665 USSR R. Peace & Progress; 1230 EE cmtry (Woltman). 1445 EE Political cmtry (Mooney).
- 9670 GERMANY (Presumed) VOA; 2130-2200 PP. Listed on 9770 but not heard this day (Padula).
- 9675 GREECE VOG; 1920-1940* EE news into FF pgm (Agner, Yajko, Gionet, Cress).
- 9675 PHILIPPINES R. Veritas; 0135 EE nx//11875 & 15280. Sked shows 0130* (Padula 12/31).
- 9685t ALGERIA RTVA; 2214-2228 AA chants then fade/out at 2228. No ID. Ideas? (Snyder)
- 9685 BRAZIL R. Gazeta; 0530 PP w/several ID's, ads (Yajko 12/29).
- 9685 CUBA REC; 0130-0300 EE nx, cmtry, etc. (Swanson, Klassman, Brown).
- 9685 TAIWAN VCFC; 1745 EE w/Asian mx, cmtry, ID's, anti-Feking propaganda (Hall 12/14).
- 9690 ARGENTINA RAE; 0300 SS into EE nx, interview, ID, etc. (Luce, Beirs, Bernstein).
- 9690 ANTIGUA DW Relay; 0800 GG tlk, mx, ID to Sam (Hechenlively 11/10).
- 9690rf ROMANIA R. Bucharest; 1300 EE nx, cmtry, sports//11940 (Zilmer, Willis).
- 9690 USA WYFR; 1915-1930 GG & EE Bi-lingual religious pgm (Brown 1/2).
- 9595 BRAZIL R. Rio Mar; 1203 PP ads, ID, etc. (Miller). 2320 PP ads, mx, ID (Brooks).
- 9695rf CAMBODIA VNUPK; fade-in 0020, traditional Cambodian mx, vocal groups, anctns in Cambodian (or Cambodian dialect) by lady at 0025. Either s/off or last at 0055 on 1/1. 1st time heard this outlet for many years & 1st time noted in lcl daytime (Padula)
- 9695 FRANCE RFI; 1735 EE contest for 'African Man of the Year', ID, etc (Schwartz). 2130 FF past normal s/off w/Special Event broadcast //9715. Extended sked. (Padula 12/18).
- 9700 BULGARIA R. Sofia; 1930 EE ID, nx (Miller). 2130 EE (Schneck). 0036 EE (Earhart).
- 9705 ALGERIA RTVA; 1720 AA tlk pgm (Sarrazin). 1400 AA pgm (Willis).
- 9705 INDIA AIR; 1300 Tibetan nx pgm. Poor signal (Yajko 12/26).
- 9705 MEXICO R. Mexico; 0255 SS mx w/certain songs speed up & slow down. Unstable AC power? Tlk about coffee & announcement of R. Union meeting (Brookwell, Sarrazin).
- 9705 SEYCHELLES FEBA; 0330 EE relig pgm (Luce). 1725 FF into EE pgm (Sarrazin).
- 9710 SOUTH AFRICA Springbok R; 0530 EE nx. Dominant over Rome co-channel (Padula 12/18).

- 9710 INDONESIA RRI (Jakarta); 0017 Indonesian w/political tlk for Malaysia (Padula 1/1).
- 9715 NETHERLAND ANTILLES RN; 0500 EE pgm (Dunnigan, Swanson, Mooney, Green).
- 9715 MOROCCO VOA; 0215 AA feed to R. Kuwait. 6873 SSB is Grenville with // pgm (Legge).
- 9715 ENGLAND VOA; 1400 EE ID into Georgian pgm (Alintuck 12/21).
- 9715nf ENGLAND BBC; *1045 RR pgm. Co-channel Havana inaudible this night (Padula 12/4).
- 9720 KOREA (SOUTH) R. Korea; 1800 EE nx, mx, etc. (McKrell 1/1, Sherman).
- 9720 SRI LANKA SLBC; 0115 EE pgm (Hall). 1300 EE//15425 (Willis, Brown). 1930 EE (Brookwell)
- 9720 SWEDEN R. Sweden; 1830 EE nx to Africa//11780 (Zilmer 12/20).
- 9720 USSR R. Sta Atlantika; 1250 RR mx, IS, ID, nx//15455 (Earhart 12/9).
- 9725 USA VOA (Greenville); 0015 SS nx to Sam (Fraser 12/21).
- 9730 BELGIUM BRT-4; *2245 SS w/IS, ID, mx to Sam (Zilmer 12/30).
- 9730 BURMA BBS; 0430 Burmese tlk & mx. Good daytime mode signals (Padula 1/3).
- 9730 SAUDI ARABIA BSKSA; 2005 AA nx, ID, lite Western mx. (Roberts 12/25).
- 9730 UGANDA UBC; 2015-2100* EE ID, nx, mx, cmtry (Imbert, Roberts, Bishop, Osterman, Bogel).
- 9735 RWANDA DW; 1730 EE ID into GG pgm//9640 (Bogel, Rojewski)
- 9735 USSR R. Moscow; 0350 EE DX pgm, Jingle Bells (Watson 12/24).
- 9740 ARGENTINA R. Splendid; 0038* SS ID. Off abruptly. Good (Sherman 12/20).
- 9740 CZECHOSLOVAKIA R. Prague; 0100 EE ID, nx. Poor w/het (Delap 12/23).
- 9740 LIBERIA VOA; 0615 EE nx & cmtry (Guarducci). -I have Kavala listed (ed)-.
- 9740 PORTUGAL R. Portugal; 1815-1830* EE nx, weekly press review. 1830 FF (Gionet 12/19).
- 9745 ANTIGUA BBC; 0015 PP pgm w/ID, s/off (Green 12/28).
- 9745 ECUADOR HCJB; 0645 w/Italian svce to 0659* (Padula). 9754 EE religious pgm (Hathaway).
- 9745 IRAQ R. Baghdad; *1930-2030 EE ID, nx, rock mx, etc. (Sherman, Schwartz, Brown, Grow, McClure, Raper, Zilmer, Schneck). 2120 GG nx, contest, mx, ID (Schwartz).
- 9745nf USA UN (Greenville); 0005 PP for Brazil (ex 9650) (Padula 12/10).
- 9750 CHILE R. Mineria; 2202 SS tlk & xmas mx (Gionet). 2305 Futbol cmtry, ID (Roberts).
- 9750nf BELGIUM BRT-4; 2155 Dutch w/mx, TC, nx to 2207* (Padula 12/17).
- 9750 ENGLAND BBC; 1428 EE Report on Religion, sked & "Outlook" (Alintuck 12/21).
- 9750 GREECE VOG; 0020 EE & 0030 FF pgm. (Rude 12/29).
- 9750nf SWEDEN R. Sweden; 1300 Swedish. Listed as 9745 (Willis 12/10).
- 9755 GERMANY (EAST) RBI; Greek svce extended thru 2230*. Sked: 1815-2230 (Padula 12/17).
- 9755 UNID; rptd last month repetitious VV tlk on 4925. 0845 also heard here. Help (Brookwell)
- 9760 ECUADOR HCJB; 0752 w/EE Religious pgm (Hathaway 12/25).
- 9760 GREECE VOG; *0000 Greek (Brown). 0015 EE nx, cmtry (Schneck, Bogel). 0040 FF to Nam (Sherman). 0315 Greek mx, tlk, ID (Roberts). 0800 Greek tlk. Fine level (Willis).
- 9760 JAPAN NSB; 0120 JJ tlk. Different pgm to that noted on 9595 (Padula).
- 9765 GREECE VOG; 1820 EE nx to 1830 FF (Sarrazin). -Isn't the freq. 9760? (ed)-.
- 9765 ASCENSION IS. BBC; 2200-0415 PP/SS. Not Antigua which moved to 9560/6055 (Legge).
- 9765 TAIWAN VOPC; 0010 Mandarin nx read by man. Sked: *0000-0200* (Padula).
- 9768 KOREA (NORTH) R. Pyonyang; *0400 IS, SS ID, Anthem, ID, Freq, Nx, etc. (Roberts).
- 9770 AUSTRALIA R. Australia; 0900-1100 EE nx & countdown (Davenport 12/22).
- 9770 AUSTRIA ORF; 2315 lang to 0000 GG nx (Gearhart 1/5).
- 9770 HAITI 4VEH; *1100+ EE xmas pgm, 4VEH Today, etc. (Sarrazin, Dunnigan).
- 9770 USSR R. Kiev; 0300 EE Nx, mx from the Ukraine (Luce 1/3).
- 9780 CHINA R. Peking; 0125 EE talk about Mao (Yajko 12/28).
- 9780 YEMEN R. Sanaa; 1616-2125 AA talk, mx, ID (Hauser, Watson, Snyder, McCoy, Bogel).
- 9790 ALBANIA R. Tirana; 1840 FF talk by man, Albanian mx, etc. (Sarrazin 11/21).
- 9815 ISRAEL IBA; 2235-2301* EE nx, ID, Press Review, etc.. (Sarrazin, Bogel).
- 9820 KOREA (NORTH) R. Pyonyang; 0632 EE w/political talk. Fair signal (Watson 12/18).
- 9840 VIETNAM VOV (Tay Nguyen); 0050 CC lang (?) w/mx (Bogel). 1230 Indo//7512 (Zilmer).
- 9890 CHINA R. Peking; 1237 Probably CC w/tlk & Revolutionary mx (Sarrazin 11/26).
- 9912 INDIA AIR; 2110 EE nx & cmtry, mailbag, xmas greetings//9525 (Osterman 12/20).
- 9940 CHINA R. Peking; 0015 EE (Yajko, Hoffman). 0100 EE (Sarrazin). 0305 EE (Grenier). 0427 EE nx (Brookwell).
- 10040 VIETNAM VOV; 1000 EE (Schneck). 1350 FF (Sarrazin). 1800 EE Id & nx (Grenier).
- 10060 VIETNAM (Hanoi); 0445 HS-1 VV w/tlk & mx. Excellent level (Padula 1/3).
- 10110 CLANDESTINE R. Espana Ind; 2128 SS nx (Nebron). 2335-2351* SS tlk & jammed (Sarrazin)
- 10225 VIETNAM (Hanoi); 2345 HS-2 w/VV cmtry by man via Daytime mode (Padula 1/2).
- 11350 KOREA (NORTH) KCBS; 2300 Korean HS pgm w/tlk & mx//6600 & 6290 (Zilmer 12/23).
- 11515 CHINA R. Peking; 0010-0028* lang. *0031 CC w/International, etc. (McLaughlin 12/19).
- 11535 ESPIONUMEROS; 1634 w/Matador mx then SS 4-digit numbers by woman (Hauser 1/1).
- 11600 USSR; RR light mx 2334 on RCSSB. Probably Mayak feeder (Hauser 12/11).
- 11620 INDIA AIR; 1822 flutes & local mx//9525 (Nikolich 1/3). M. Smith).
- 11645.3 SOMALIA R. Hargeisa; 1459-1630* Somali (Hauser, Henderson, Abraham, Sherman, McNeil,
- 11675 CHINA R. Peking; 0027-0055* EE political talk, mailbag, etc. (Hathaway, Swanson).
- 11675 PAKISTAN R. Pakistan; 1530 Urdu //9640. No longer on 11672 (Willis 12/10).
- 11700nf IRAQ R. Baghdad; 2040 AA pgm (Padula). 2200 AA HS w/mx & talk (Hall).
- 11700 DOMINICAN REPUBLIC R. Clarin; *1900 SS "Clarin Informative", etc. (McCoy 1/10).

Remember! All reports for the log report sections should be sent to: Greg Ravenhorst, Rural Route, Hollandale, MN 56045! Thank you to all who sent in reports this month! 73, *Yajko*

log report

section



David L. Walcutt, Ed.
R-4B/XCR-30

11701+ kiloHertz

FEBRUARY, 1977

- 11705 AUSTRALIA RA-Shepparton; 0820 EE, mx pgm (Classman 12/30).
11705 FRANCE RFI; 1705-1800 EE, "Paris Calling Africa" best 25 m freq.
(Haas 12/24). 1705 (Grenier 12/25). 1735-1800 (Bernstein 12/18).
11705 NEW ZEALAND RNZ; 0430-0550 EE, pop & cl mx, cricket talks, goes
to 11780 at 0600 (Gesell 12/23, Zilmer 12/26).
11710 ARGENTINA RAE; 2305-2320 EE, nx, fair (Beirs 12/22, Imbert 12/27).
11710 NEW CALEDONIA R. Noumea; 0600-0630 FF, poor, //1170 (Yajko 12/29,
Gesell 12/24).
11725 AUSTRALIA RA-Shepparton; 2150 EE, fair, QRM CBC N.S. (Walcutt 1/22).
11730 GREECE VOG; 1515-1525 EE to N.A. (Hynes 12/20, Yajko 12/29).
11730 USSR "R.S.P.&P."; 1350 EE, 1400+ CC; Russian folk songs (Earhart
12/25). To S.E.Asia, //11900, 9625 & other freqs per BBCMS -ed.
11735 SWEDEN RS; 1602-1610 EE, nx, ID & then "Panorama on Portuguese
elections, etc. QRM w/Morocco co-channel (Bogel 12/15).
11737v INDIA AIR; 1230 EE, nx, drift from 11735 (M. Willis-AUST 12/12).
11737.5 BRAZIL R. Clube de Goiania; 0014 PP, QRM VOA 11740 (Hauser 12/7).
11740 AUSTRALIA RA; 0625-0744 EE, weak, //11845 (5 reporters).
11745 ECUADOR HCJB; 1445-1630* EE, exc. (Alintuck 12/21, Jordan 12/31).
11755 ARGENTINA R. El Mundo; 0011-0405 SS, EE rock mx, poor (McLaughlin
12/7, Hauser 12/7). 0612-0709 SS, mx (Hathaway 12/25).
11755 FINLAND RF; 1330-1356 EE, nx, cmntry, Finnish mx (Gionet 12/12,
Earhart 12/31). 1455-1500 EE, good (Bernstein 12/19). 1500+ Fin-
nish; //15110; 1530, USSR audible underneath w/IS (Walcutt 1/23).
11756.6 SAUDI ARABIA BSKSA; 0845 AA ID, drifting (M. Willis-AUST 12/15).
11765 USSR "R.S.P.&P."; 1235-1300* EE to Asia (Chicky 1/3).
11770 S. YEMEN (ADEN) D.Y.B.S.; 2012 AA, Mideast mx (Bishop 12/6).
11775 INDIA AIR; 1005 EE, nx by W, strong sig w/flutter (Cohen 1/1).
11775 SPAIN RNE/RTVE; 0050-0100 SS to America (Edelstein 1/2).
11780 BRAZIL RNB; 1941 PP, ID, Brazilian pop mx, good (Miller 12/30);
2100-2200 EE, nx, mx, cmntry, at 2157 gives details of the next
day's program (Earhart 12/9, Alintuck 12/14, Hall 12/23).
11780 NEW ZEALAND RNZ; *0603-1631 EE, cl mx, EZ & MOR mx, Xmas pgm
(Zilmer 12/25, Gesell 12/23, W. Noel Brown 1/1, Edelstein 12/12).
11780 SWEDEN RS; 1830 EE, nx to Africa, poor (Zilmer 12/20).
11790 AUSTRALIA RA; 0730 EE, pop mx then nx, v. faint (Gesell 12/23).
11790 ECUADOR HCJB; 1700 EE, "DX Party Line" (Zilmer 12/23).
11790NF PORTUGAL RP; 0000 PP, 0030 SS, //11840 (Legge 1/1).
11795 RWANDA DW-Kigali; 0044-0050 GG, "Deutschland" tlks (Edelstein 1/2).
11800 JAPAN NHK; *2345-0045* EE (Haas 12/17, Swanson 1/8, Lombardo 1/1).
11800 SOUTH AFRICA R. RSA; *2100-2148* EE "Saturday Night Show", "DX
Corner" (geomagnetic fields) (Bernstein 12/18, Mooney 12/18);
2230-2250 EE, cmntry, "South African Panorama" (Wineland 12/1).
11800 SRI LANKA SIBC; 1515-1640 Hindi w/EE ads (Mooney 12/18 Abraham 12/21).
11800 USSR "R.S.P.&P."; *1430-1500* EE to Afr., //17765 (Gionet 11/19).
11810 ALGERIA (tent.) RTVA; 1303-1306 AA, nx. with musical intervals
(Earhart 12/29). BBCMS sched. indicates this is Algeria -ed.
11810 INDIA AIR; *1330-1335 EE, nx & cmntry (Luce 12/19, Zilmer 12/23,
Conover 12/27); 1414-1430 ?-lang, sitar, yl (McClure 12/12).
11815NF INDIA AIR; 0043-0115* EE, Indian folk songs, nx (Padula-AUS 12/19).
11820 ASCENSION IS. BBC; 0014 SS to Latin America (Edelstein 12/26).
11825 AUSTRALIA RA-Shep.; 1030-1035 CC to Island S.E. Asia (Earhart 12/11).
11825 KUWAIT RK; 0830 AA chants, *0800? (M. Willis-AUST 12/08).
11830NF AUSTRALIA RA-Shep.; *2300-0100* Indonesian, ex-11820 (Padula 12/18).
11830 ETHIOPIA ETELE; 1830-1846 Fulfulde, EE ID, Afr. mx (McClure 12/31).
11830 ROMANIA R. Bucharest; 1200 EE for Asia, good level, over VOA (Ka-
vala -ed.) & USSR HS at this time (Willis-AUST 12/17).
11830 UNT 1305-1329, oriental mx (David Snyder 12/28). Romania? -ed.
11830 USA Voz de la OEA; 0029 SS, EE ID, then into UN Radio, SS, ann'd
//s 11830, 9650, 6040. Formerly on 11740. (Hauser 12/7).

- 11835 SRI LANKA SLBC; 1503-1528* EE/?-lang, bells 1505, Indian mx, 1525 EE prayer. On top of Sudan. (Sarrazin 12/30).
- 11835 SUDAN R. Omdurman; 0400 AA, good (Willis-AUST 12/11); 1528-1544 AA, M vocal mx, jamming QRM (Sarrazin 12/30); 1853-1909 AA, M&W, local music, weak, fade out at 1909 (Rude 12/31).
- 11835 URUGUAY R. El Espectador; 2330-0100 (5 reporters).
- 11845 ALBANIA R. Tirana; 1800 SS to Eur., M&W tlk, nx w/ anti-capital slant - nice people!!! (Brookwell 12/26). I suspect sarcasm.-ed.
- 11845 AUSTRALIA RA-Shep.; 0630 EE, pop mx (Gesell 12/24).
- 11845 SEYCHELLES FEBA; 1630-1652* EE, freq/time sched (Zilmer 12/31).
- 11850 SWITZERLAND SBC; *2300 PP to S.Am, mx, nx, fair (Hall 12/25).
- 11850 PHILIPPINES FEBC; 1700 RR, 1715-1745 GG, returning to RR from 1745-1800*, poor (Brookwell 12/22).
- 11860 ASCENSION IS. BBC W.S.; 1040-1056, to Afr., poor (Earhart 12/11).
- 11865 PHILIPPINES FEBC; 1430 CC, Cuba on same freq (Brookwell 12/24).
- 11875 ANTIGUA? BBC W.S.; 0930, special freq for Queen's Christmas message, //11860 (Ascension), 9520 (Hauser 12/25).
- 11875 PHILIPPINES R. Veritas; 0000-0040, ?-lang, NF?, EE ID (Hall 12/26).
- 11875 PORTUGAL RP; 0205-0233* PP, ID, nx, anthem (Edelstein 1/2).
- 11877 BRAZIL R. Soc. da Bahia; 0002-0052 PP, ads (Miller 12/24, Earhart).
- 11880 UNID (BRAZIL); 0235, mx of Brazil, good (Field 12/30). 11877? -ed.
- 11885 BRAZIL R. Ipanema; 2337 PP, presumed, offering advice on sex & other problems by writing to a Paraná address (Hauser 12/11). Jim Whitehead reports ID "R. Maua" still used most frequently -ed.
- 11890 FRANCE RFI; 1737 EE, discussion of French hunting (Schwartz 1/1).
- 11890 OMAN (tent.) OBS; 1348 AA chants & music, poor, under the Brazilian and Russian stations at this time today (Henderson 12/29). 1535-1545, mx pgm followed by solid talk, 1540 (Sarrazin 12/25).
- 11895 NORWAY RN; 1800 EE, "Norway This Week", nx & views, fair, //11850, 15345 (Zilmer 12/19); 1800, tlk on fishing (Grenier 12/19); 1800 EE, ID, nx, "Norway This Week" (Rojewski 12/12).
- 11900 MALAYSIA VOM-Kuala Lumpur; relay of the HS: 0430 IDs, then CC to 0450*, reopens *0500 EE, nx; //9665, also heard (Padula-AUST 1/3).
- 11900 SOUTH AFRICA R. RSA; *0515 FF to C. Afr., good (Walcutt 1/23); 0615 EE, nx (Peterson 12/9); *2100-2320* EE (5 reporters).
- 11905 TAIWAN VOFC; 0200-0210 CC, HS relay, jammed (Padula 1/3).
- 11905 THAILAND RT; 0433 EE, nx by W, g, //9655 (Padula 1/3).
- 11915 BRAZIL RTV Gaucha; 0030-0035 PP, "Gaucha Informa" into Cat Stevens mx after jingle, fair (J. Roberts 12/11).
- 11915 ECUADOR HCJB; 0233-0420 EE, rel. tlk (Edelstein 1/2, Swanson 1/7).
- 11920 IVORY COAST R. Abidjan; 1907-2001 EE, 2059-0030 FF (9 reporters).
- 11920 SWEDEN RS; 1400 EE, enormous signal (Willis-AUST 12/16).
- 11925 PORTUGAL Rdf Portuguesa; now signs off at 1930 (instead of 0000) for move to 4865 (Legge 1/4).
- 11925NF SWEDEN RS; 1400 EE, nx to S. Asia, //15305; poor (Zilmer 12/21).
- 11930 FRANCE RFI; 1701-1730 EE to Africa (Green 12/25, Dunnigan 12/21).
- 11935 PORTUGAL RP; 0106-0113 PP, "Story of Portugal" (Edelstein 12/27); 0237-0300* EE w/pgm on the arts; carrier 0310+ (Alvi 12/22).
- 11940 CANADA RCI; 0031-0034 SS, nx, cmtry, mx (Edelstein 1/2).
- 11940 ROMANIA R. Bucharest; 1300-1320 EE, nx, sports results, Listeners Club info (Earhart 12/29, Peterson 12/8).
- 11940 USSR R. Moscow; 0953-0957 EE, Au/NZ service, but seems to be repeat of N.Am. Svc, with American accents; good but heavy flutter, amnt gave 15.38, 15.13, 11.94, 11.69, 9.78 (Hauser 12/25).
- 11945 LIBERIA ELWA; 1930-2055* EE, req. for rel. mx, rel. tlk; appears to use an African lang. as well during this time period, possibly re-arranged sched (Dunn 1/10, David Snyder 12/19, Padula 12/15).
- 11945 MOROCCO VOA-Tangier; 1700-1715 EE, nx (Sarrazin 12/21). 2000-2010 EE, nx in special EE (Jordan 1/2). Schedule shows 1900* -ed.
- 11950 SAUDI ARABIA BSKSA; 0300 AA, good (Willis-AUST 12/10); 1610-1615 AA, mx pgm w/no announcement, fair/poor (Sarrazin 12/25).
- 11955 ETHIOPIA ETLF; *1945-2030* EE, nx, cmtry, rel. pgm (David Snyder at BDXC meeting 12/19, Osterman 1/1, Conover 12/28).
- 11955 SWAZILAND TWR-Manzini; *1800-1902* PP (to Angola, South West Africa, Botswana, Western Zaire per sched -ed.), "Onward Christian Soldiers" used as IS, poor (Brookwell 12/15); 1915 Lingala, 1930-2000* FF, ex-17775 (Legge 1/2). ELWA:11945, ETLF&TWR:11955, HCJB:11960 -ed.
- 11960 ECUADOR HCJB; 0020-0030 SS, M&W, ID, tlk, pop mx (Edelstein 1/2).

- 11960 MALI Rdf Nationale du Mali; 1700 FF, ballgame between Mali & another nation (Glonet 12/12). Is this bc Sundays only? -ed.
- 11960 NEW ZEALAND RNZ; 1815-1830 EE, "National Program" (Hall 1/5, Rojewski 12/23).
- 11980NF GERMANY E. RBI; 1540 EE, Staatsoper Berlin (Schwartz 12/25).
- 11985 ALBANIA R. Tirana; 1415-1427 & 1542 EE (Earhart & Schwartz 12/25).
- 12010NF LIBERIA VOA-Liberia; PP to 1815* w/EE ID, site not announced but I believe this is same xmtr heard on 12050 last mo. (Walcutt 1/23).
- 12020 USSR-Armavir (European RSPSR); 1250-1305 RR, "Radiostantsiya Atlan-tika" w/orch mx to 1259, ID by W&M, at 1400 "Radiostantsiya Rodina" pgm, good, //15455 (Earhart 12/18). Site: USSR HFBC Newsletter -ed.
- 12025 ISRAEL IBA; 1550 YY, 1623 RR, latter //11960 (Schwartz 12/25, 1/1).
- 12070 USSR-Kiev (Ukrainian SSR); 0627+ RR, "First Program" IS (Walcutt 1/23); 1500-1530 RR "Mayak" w/soft rock, L.A. mx, s/off at 1530 with IS, good (Fraser 12/23). Site per USSR HFBC Newsletter -ed.
- 12077 ISRAEL IBA; 1500 Hebrew, HS relay, tlk, pop mx (Zilmer 1/1).
- 14480 ROMANIA R. Espana Independiente; 1345-1400 SS, M&W, no ID but unusual known frequency and Spanish-type jamming style identify it, very poor before jamming hit (Hauser 12/19).
- 15060 CHINA R. Peking; *0000+ EE, nx (Swanson 1/8).
- 15070 UK BBC W.S.; 1245-1356 (Haas 12/19); 1610 (Sarrazin 12/30).
- 15105 GRENADA RG; 2030-2155 EE, nx, ads, requests (5 reporters).
- 15105 JAPAN NHK; 2200-2215 EE, Gen. Svc, good (Hoffman-PA 12/26); 0100 EE, ID, news (J. Cole-CO).
- 15105 NEW ZEALAND RNZ; 0530-0550 EE w/pop mx into sports pgm, //15130, 15215, 11705, all fair; very interesting opening this night, as at 0300 no stations were on 19m (McNeil 12/29).
- 15110 FINLAND RF; 1440-1445 EE, Xmas in Finland, mx, good (Mooney 12/18).
- 15115 ECUADOR HCJB; 1944-2117 SS, relig. pgm (Raper 12/29, Edelstein 1/2).
- 15120 HOLLAND RN-Lopik; *1400+ EE to S.E. Asia, poor (Fraser 1/1).
- 15125 PORTUGAL RP; *1800 EE, IS, chimes, anthem at 1801, nx, QRM from WYFR on 15130 (Raper 12/31).
- 15130 NEW ZEALAND RNZ; 0000 EE, sports report, poor (Zilmer 12/31); 0410-0415 EE, wx, songs, very weak (Overcamp 12/22).
- 15130 USA WYFR; 1830 EE, Christmas around the world (Dunnigan 12/23).
- 15140 SWITZERLAND SBC; 1315-1345 EE, nx, "Dateline", "The Swiss Cantons" & pgm on bell casting (K.Hoffmann 12/20, Lombardo 12/18, Haas 1/7).
- 15145 PORTUGAL R. Free Europe; 1305-1410 continuous lt. & cl. mx; ID in EE by M at 1343, 1400+ RR, nx by W (Fraser 12/29).
- 15155 SOUTH AFRICA R. RSA; 1753-1815, IS & EE ID into GG at 1800 (Delap 12/25); 1800-1820 GG to Europe (Fraser 12/24, K.Hoffmann 12/23).
- 15165 DENMARK RD; *1330 IS, ID into Danish, fair (Jones 12/19); 1557 EE, ID (Beirs 12/24).
- 15170 TAHITI RT; 1600 FF (Luce 12/12); 1840-1900 FF into EE newscast at 1900 (McNeil 12/27, Pyatt 1/8); into EE at 1910 (Raper 12/31).
- 15175 NORWAY RN; 1500-1540 EE/NN, good (Schwartz 1/1, Mooney 12/18).
- 15185 ANTIGUA DW relay; 1200-1220 GG w/EE ID, fair (Zilmer 1/2).
- 15190 CONGO RTVC; 2100-2145 FF pgm w/EE nx at 2130 (Luce 12/11).
- 15260 PHILIPPINES R. Veritas; 1106 CC svc. w/vocal mx & "Greensleeves" rendition, //9645 where also heard (Padula 1/2).
- 15265 FRANCE RFI; 1200 FF, strangely this still is not listed in their schedule (M.Willis-AUST 12/10).
- 15275NF ETHIOPIA ETLF; 1200-1300 w/continuous IS, must have been some sort of test schedule, fine level (M.Willis 12/11); *1313 EE, announcements, 1315 Tamil prob. (Legge 12/27).
- 15280 USA KGEI; 2200-0010 SS, //15355 (Edelstein 1/2, Pyatt 1/6).
- 15280NF SEYCHELLES FEBA; 0645 EE, religious talks, ex-15160; believe schedule is *0600-0830* (Padula-AUST 12/11).
- 15290 PULSER (USSR); 15175-15405 but centered here at 1303 (Hauser 12/7).
- 15305 AUSTRIA ORF; *1500-1545 GG, tlk, mx (Zilmer 1/3, Schwartz 1/1).
- 15305 SWEDEN RS; 1400 EE to 1430 Swedish to N.Am., multilingual IDs (Pyatt 1/7, K.Hoffmann 12/14, Schwartz 12/25).
- 15315 FRANCE RFI; *0900-1700* FF, fine level (M.Willis 12/8).
- 15320 AUSTRALIA RA; 0130-0200 EE, pops, world & local nx (Grenier 12/13, Green 12/19); 0555 EE, best of all 19m Australians w/pops, DJ, //15140, 15240, 15290; unusual opening (McNeil 12/29); 0630-0700 EE, nx, mx, tlks between selections (McKrell 12/31). Shepparton -ed.
- 15320 NETH. ANTILLES RN-Bonaire; 0013 SS, letters pgm (Edelstein 1/2).
- 15325 CANADA RCI; *1800 EE, IDs, nx (Jordan 12/31).

- 15325 UGANDA UBC; 1820 w/Afr.mx, giving RCI a battle (Abraham 12/21).
- 15330 USA AFRTS via VOA-Dixon; 0014+ EE, nx relays (Edelstein 1/2).
- 15330 USA AFRTS via VOA-Bethany; 1831, football (Haas 12/26).
- 15335 AUSTRIA ORF; 1658-1829 GG, nx, etc. (Green 12/7, Jordan 12/31); 1830-1840 EE, nx, weak (Haas 12/18).
- 15345NF ROMANIA R. Bucharest; 1205-1213 EE (M. Willis 12/15, Padula 1/2).
- 15360 MOROCCO RTVM; 1305-1655+ AA, tlks, M.E. mx & Koranic chanting (David Snyder 12/21, Schwartz 1/1); YL tlk, AA mx, heavy QRM from Sackville at 1700 (McClure 12/18).
- 15365 CANADA BBC W.S. - Sackville; 1500-1830 EE, "Saturday Special" (Davenport 12/25). *1600-1700* weekdays -ed.
- 15375 ECUADOR HCJB; 2200-2215 SS, nx, mx (Dunnigan 12/13).
- 15375 HOLLAND RN-Lopik; 1900 EE, "DX Jukebox", //11730 (Cohen 12/23).
- 15375 USA WINB; 1800 EE, dx pgm & QSL info, fair (Zilmer 1/2).
- 15385 MEXICO XERMx; 2133 SS, ID, mx (Mooney 12/18).
- 15395 USA VOA-Greenville; 2050-2130* Serbo-Croat, nx (Lang 1/1).
- 15400 IRAQ R. Baghdad; 2045-2100 AA, main AA pgm noted here w/AA national mx, vocals, seems NF for this time period (Padula 12/31).
- 15410 JAPAN NHK; *2300 EE/JJ/Vietnamese to S.E.Asia, poor (Hall 12/24).
- 15410 RWANDA DW-Kigali; 2200-0150 GG, this is no Antigua (Legge).
- 15420 CYPRUS BBC-Limassol; 1700-1730 EE, pgm to Africa (Grow 1/5).
- 15420 JAPAN NHK; 0205 EE, tlks on Japan (Grenier 12/20).
- 15420t USSR R.Rodina pgm, 1400-1410 RR, cl mx & tlk, anyone know location? (Luce 1/4). If correct, this would be a NF -ed.
- 15425 FRANCE RFI; 1600 FF (Luce 12/12); 1745-1756 EE (Wineland 12/13).
- 15425 SRI LANKA SLBC; 0330-0400 EE, Adventist World Radio pgm "Voice of Prophecy", //heard 9720 (Padula 12/5); 1300 EE, //9720 - 7190 & 11725 off air at this time (M.Willis 12/11); 1350+ EE, finally hrd Adrian Peterson's DX pgm "R. Monitors International", at 1400 jamming hit freq following IBA IS (Hauser 1/2).
- 1525 TAIWAN VORC; 0010-0100 CC, 0100+ EE, flute mx, long talks, news, fair/poor (Sarrazin-00 12/31, Overcamp 1/3).
- 15430 SWITZERLAND SBC; 1545+ EE, AFRTS QRM (Mooney 12/8, C.Hoffman 1/7)
- 15435 TANZANIA (tent.) RT; 1812-1840 AA/EE, mx & tlk, pops and rock to AA Influenced vocals by W. M on in EE at times but hard to get anything in the noise; thought heard "Dar es Salaam" (Moritz 12/19)
- 15440 PHILIPPINES FEBC; 2336 EE, nx, fair (Yajko 12/22).
- 15440 USA WYFR; 1841-1817 GG, M,W, tlk, relig. mx (Edelstein 12/24).
- 15445 LIBERIA VOA-Monrovia; 1730-1841 EE, "Africana", good signals (Sarrazin 12/21, Edelstein 12/24). Finally got this one in! -ed.
- 15465 ISRAEL IBA; 1200 EE (M.Willis 12/16).
- 15576v UNID; AA/FF & maybe some YY, everything suggests ISRAEL but (1) not //12077, (2) no ID from 1200-1400, (3) mentioned almost non-stop Damascus, (4) poorly modulated & drifted while I listened. What in the world is this station? (M.Willis-AUST 12/14).
- 16454 GUYANA GBS (not Action R.); (presume 3290.8 x 5 -ed.); 1425-1430 EE, ads e.g. Guyana Airways (Hauser 1/2). Cf. LN for details! -ed.
- 17625 EGYPT R. Cairo; 1448 AA, mx (Schwartz 12/25).
- 17705 VATICAN VR; 1450 EE, Xmas pgm, poor (Schwartz 12/25).
- 17710 USA VOA-Bethany; 1900-1942 EE, //15140 (Dunnigan 12/13, Edelstein 1/7)
- 17735NF SPAIN RTVE; *0830-0930* SS, ex-15440, //9530 (Padula 12/21).
- 17750 CUBA RHC; 1705-2143* SS, EE (5 reporters).
- 17765 USSR RM-Tula; 1330 EE to Afr., //17855, 12055, 11800 Kiev; 1500 EE to Afr., //17710, 15470 (Legge 1/9).
- 17775 SWAZILAND TWR-Manzini; 1500-1530 FF, //15165; 1615-1645* CC (Legge 1/9); 1933 FF pgm w/electronic mx theme, good (Hauser 12/22 1922 ?-lang to 1930 Xmas hymn and bell IS into FF (Brookwell 12/24)
- 17785 USA VOA-Greenville; 1648-1741 EE (Hathaway 12/21, Edelstein 12/24)
- 17795 AUSTRALIA RA-Shepparton; mx, IS, TC, scheds (Brookwell 12/19).
- 17880 GERMANY E. RBI; 1400-1440 EE, S.E.Asia Svc., editorials & nx features (Schneck 12/27, Lombardo 12/18, Conover 12/27, Cohen 12/23).
- 17895 PORTUGAL RP; 1420 ?-lang w/EE ID at 1430 (Gearhart 1/3); 1610 EE, ideal of 21 April 1974; 1630 FF (Gionet 12/27).
- 17895 USA VOA-Dixon; 2345 CC, fair but unstable (W.Noel Brown 12/30).
- 17920.0 EGYPT R. Cairo; 1355 EE, Arabic By Radio, poor (Hauser 12/11). 1441-1445* EE, AA mx until s/off (Yajko 12/25).
- 21555NF SAUDI ARABIA BSKSA; 1315-1330 AA, Riyadh moved here from 21590, good (Ferrell 1/1). Glad to get a report from you Perry! -e.
- 21580 FRANCE RFI; 1430-1455 FF, usual pgm; just got their sched & this is on 12 other freqs!; 15440 is to N.Am. (Earhart 12/31).



LR REPORTING DEADLINE: 12th of each month.

FRENDX CREDITS

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RURAL ROUTE
HOLLANDALE, MN 56045

We had 99 reporters this month. Thank you one and all!

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 Frank WOLTMAN, Cambridge, WI (DX-160)...Robert YAJKO, Leechburg, PA (SPR4)..
 Robert ZILMER, Milwaukee, WI (SPR4/R390A)...Please excuse these mistakes, I
 ran out of correction ink, and I make plenty of mistakes in typing!!!

* * * * *
HELPING HAND: Wanted. I would like to borrow some Arabic and Russian
 reception report forms so I can Xerox them off. I will, of course, send back
 your originals. Jon Chicky, Jr, 444 Skyline Drive, Jensen Beach, FL 33457.

REPORTING FORMS are available from me for a business size envelope, and 28¢
 in postage, which will get you 20 forms via 3rd class mail.

TAKING MY MEDICINE You saw my predictions for the SuperBowl last month, so
 this month I must eat my words. When the Vikings fumbled on the 2 yard line,
 I saw my \$5 leaving me, and saw the Vikings jumpin their boats for Norway.
 I think they were confused by the lack of snow. Well, at least I got my
 fish!!! Couldn't get to sleep until I tried counting QSL cards. We are now
 on the end of the DX season, so get 'em now! 73's from the -30's! *Greg*

NASWA

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Publishing **FRENDX** Monthly

Unity and Friendship

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