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*adapted from a 1923 Ludwig Hommel & Co ad.*

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**MAY - 1977**  
P.O. Box 13  
Liberty IN 47353

North American SW Association

# FRENDX FOTOS

Member Richard Swanson of Wellman, Iowa sits at his shack desk which accommodates his receiver and a couple of recorders. Richard also sent a diagram of an excellent antenna he built on his folks' farm. It resembles the fan dipole for several meterband usage, found in NASWA's handbook, "DXing According To NASWA."



Lynn Wineland (WDX8HCM) of Black Lick, OH rests beside his DX-160. We also note a tape recorder atop the speaker enclosure. Where was that desk calendar from, Lynn? Lynn recently completed a term paper in school on the subject of Short Wave Listening.

Regino Rincón of Denton, TX very much enjoys his new-found hobby, and submitted his report of comparison between the new Sony CRF-320 and the Panasonic RF-8000, seen in last months FRENDEX. A native of Venezuela, Regino says he is happy to be of service for any NASWA member desiring Spanish language aid. Write Regino at 625 Ft. Worth Dr. #36, Denton, TX 76201.



Long-time NASWA member Mike Agner displays an attractive shack, complete with wall map, pennants, a down-to-business appearance, all in a corner to call his own. Very nice, Mike!! Mike boasts some impressive gear, such as a Drake R4B, Hallicrafters SX-110, PCL-P preamplifier, Ultima antenna tuner, crystal calibrators, etc. In his fifth year, Mike has logged 130 countries according to the NASWA Country Lists.

GOVERNMENT AND OFFICIALS

- Section 1: This Association shall be managed by an Executive Council of not more than four (4) members, and not less than three (3) members. It shall consist of an Executive Director, and the rest as ordinary council members.
- Section 2: The position of Executive Director and positions of other Councilors shall be nominated and approved by the Executive Director and council members remaining current at time of any vacancy. Final ratification into office shall be made by popular vote of the general NASWA membership, effective at the cut-off date for returning votes. If a nominated Director or Council Member is not ratified by a plurality of returned votes by the cut-off date, a new nomination shall be approved and offered for general ratification.
- (a) Vacancies can occur by emergency in case of illness or death, or abandonment of duty; by voluntary resignation; or by unanimous vote of the remaining Executive Councilors and the Executive Director.
  - (b) A Council Member or the Executive Director may also be recalled by popular consent. Such process may be initiated if specific letters of complaint and intent to recall are received by headquarters (or one of the Council Members) from 2% of the current membership. When sufficient letters of complaint totaling 2% of the membership are received, publication will be made in FRENEX of all details and ask for a YES or NO vote to retain the questioned Council Member. If the Council Member is recalled from office, an alternate shall be nominated and approved and ratified according to Section 2 above.
  - (c) Existing Executive Director and Council Members shall retain their offices for two years, and shall require another ratification by popular vote if they desire to remain in office another two years.
- Section 3: All business and voting among the Executive Council members may be conducted by mail, or by telephone call.
- Section 4: All government business will be printed in FRENEX in the issue immediately following conclusion of the business. NASWA members shall have until the last day of an issue month to vote on subjects presented in the issue.
- Section 5: In the event of vacancies in the Executive Council, the remaining Council Members shall place before themselves at least three names to consider, including those which may have been suggested for nomination from NASWA members. The final approved nomination shall then be offered for ratification by the general NASWA membership.
- Section 6: No NASWA Council Member may serve a similar office in another similar hobby club at the same time. This does not mean a Council Member cannot enjoy ordinary membership in another club. FRENEX editors are not restricted in their associations with other clubs.
- Section 7: Each NASWA member should consider that the Association is NOT a club by which governing officers are appointed directly by popular vote. Only those nominated and approved by the Council may be voted for. This measure intends to prevent succession to office of persons who may not be experienced or qualified. The Council is bound by the Warrant of Trusteeship to offer only experienced, qualified, and devoted nominees.

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# shortwave

## CENTER

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JERRY A. LINEBACK, EDITOR  
P. O. BOX 325  
ST. JOSEPH, IL 61873

MAY 1977

We hope you enjoy Shortwave Center and FRENCH again this month. We thank those who contributed and request that you send us your contribution on any subject related to shortwave broadcast radio.

Don't forget the special antenna issue for September. Deadlines are June (10 May); July (10 June), August (10 July); September (15 July); October (10 September).

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### PULSER

WHAT IS THAT NOISY SOVIET PULSER?

by Larry Magne, Philadelphia PA

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To the dismay of radiocommunications operators and SWLs throughout the world, for several months the Soviet Union has been experimenting with a new form of radio transmission that not only has disrupted normal international communications, but also has mystified western defense and electronic experts since it commenced noisy operation from a site in the Ukraine. Termed the Pulser -- or Woodpecker -- as a result of the staccato sound it produces over shortwave receivers, it thus far has been of concern mainly because of its disruption to worldwide communications.

What are the Russians up to?

Satellite photos and radio direction-finding experiments show it is sited near the city of Kiev, in the western USSR. Using unprecedentedly strong transmitters and highly directional horn antennas beamed to the U.S., it neither contains messages nor has the earmarks of a jammer.

It was initially believed to be similar to the type of over-the-horizon (OTH) radar produced by General Electric for years and recently upgraded for use in Maine. This was discounted when the pulse rate (10 Hz) was found too slow for detecting ICBMs. And unlike American OTH radar, which uses relatively clean continuous-wave (CW) techniques, the Soviet device uses distortion-prone pulses.

The OTH radar hypothesis was bolstered when the Norwegian newspaper Verdens Gang interviewed CIA press spokesman Jim Rattray. As reported in "Sweden Calling DXers", the paper quoted Rattray as saying the Pulser was the same sort of OTH radar as General Electric had been making and planned to make for other U.S. defense installations. In an interview with this writer, however, Rattray flatly denied having made these statements. "The only thing I gave Verdens Gang is that I quoted from Aviation Week stories. I've never heard of the GE operation in Maine."

Researchers have opined the Soviet system either is intended to control natural phenomena or is an entirely new concept in radar. The first category received sensational publicity this frigid winter when it appeared the Russians had been picking the mind of Canadian Arthur H. Matthews, the last known living assistant of Yugoslav electronics pioneer Nikola Tesla. During his lifetime Tesla had managed to transmit electricity without wires by using low frequency radio waves, and he suggested similar transmissions might be used to control the weather. Dr. Andrija Pucharich, a controversial spokesman on scientific esoterica, told The Washington Star Russia may like to push its cold Artic air mass towards America by using the Pulser to alter the movement of electrically-charged particles in the upper atmosphere. If this was the Soviet's intent, it flopped. Far from having balmy winter, the Russians, too, have had a blustery season and are facing reduced crop production as a result.

Another unusual observation was made by New York radio pollution authority Milton M. Zaret. Dr. Zaret, respected for his knowledge about the effects of radio energy on human physiology and behavior, noticed that the Pulser's 10 Hz pulse frequency is equal to the mean of the human brain's own alpha rhythm, which varies from 8-12 Hz. Western researchers know

little about the role of the alpha wave except that it appears to exercise some degree of control over mood and motor functions. In an interview with The New Yorker, Zaret did not speculate as to the Russian's motives, but noted with concern that massive concentration of 10 Hz radio power may be potentially hazardous to the health of those in the transmitter's target zone.

Actual research into alpha waves is limited, but suggests they may be difficult or impossible to control. Hypnotic experiments using 10 Hz light flashes to attempt alpha wave control have been unavailing. In any case, although the Pulser originally did operate at disturbingly high power levels, it now transmits at moderate power -- not enough, after thousands of miles of attenuation, to affect human biological functions.

#### Big Brother Superradar Hypothesis Emerges

Meantime, the OTH radar hypothesis has resurfaced with a startling twist. Heretofore, radar has only indicated -- at most -- the location, speed, and direction or trajectory of objects. With thousands of aircraft aloft at any given moment, sorting out potential attackers has been difficult and unsatisfactory. Among other things, radar limitations have spurred the development of aircraft -- such as the controversial cruise missile -- that can be lost in the herd until it approaches the zone where enemy radar would take notice, then slip to the target by flying near terrain level where it goes undetected by radar.

Now it appears the Russians have revolutionized radar by creating the first system that indicates the exact make and model of any aircraft in its view. Through computer analysis of geometrical shapes, the Pulser can isolate the few potentially hostile aircraft from the thousands aloft and, like a military Big Brother, follow their movements over the globe.

Meanwhile, Western technology is only now grasping the concept of OTH geometrical identification. With funding from the U.S. Air Force and Ohio State University, Yau-Tang Lin and Aharon Ksienski have recently unearthed a technique whereby multiradar may be used on shortwave to distinguish among the F-104, F-4, B-1, MiG-19, Mig 21, and other aircraft. Says Ksienski, "It works, but we have never tested it in an actual operating radar."

Ksienski feels the Soviet Pulser may well be this new form of radar. "It fits very well," he noted in an interview with this writer, his first public comment on the subject. "The shortwave frequencies fit, it has the needed power, and with the four frequencies it uses I wouldn't be surprised if it were quite effective. We have done quite well with as few as two frequencies."

The Russian breakthrough is apparently in part the ability to overcome the inherent distortion produced by pulse reflections off the earth's ionosphere. Commenting on the detailed nature of ascertaining geometric shapes of aircraft, a U.S. Government source marveled, "What's surprising is the Russians could get that kind of definition using pulse, because on reflections off the ionosphere pulse is really distorted." It's probably for this reason, and to minimize phase ("ghost") problems, that the Pulser uses uniquely directional antennas.

Lin and Ksienski's research project was not adequately funded to allow for research on other than line-of-sight radar. "There was some interest in over-the-horizon radar, but we didn't have any support for it so we didn't pursue it," lamented Ksienski, "but our findings are directly applicable to OTH radar."

The remaining unresolved points concerning OTH radar also appear to have been explained. Commenting on the slow pulse rate, the British journal Wireless World pointed out that higher frequency components within the basic pulse train probably contain enough information for detecting faster moving, smaller aircraft -- especially using multiradar. Decorrelation and propagation limitations -- two problems related to skywave radar -- limit use over very long distances, but the establishment of geographically dispersed sites provides an effective solution in a country as broad as the USSR.

Pulser technology may give the Soviet Union a potent defense boost and allow it to influence production decisions on the American B-1 bomber and cruise unmanned bomber, both of which would be easily identifiable. The important element of surprise would be lost, making the concepts of strategic bombers and subsonic drones open to question.

The only available American response may be to counteract the Pulser. In addition to the usual jamming and decoy techniques, aircraft can be fitted with dummy outer hardware -- "falsies" -- to mislead the radar. A more controversial technique is ionospheric heating, whereby the earth's ionosphere has its refractive capability sharply reduced by massive bombardments of radio energy. Both the United States (near Boulder, Colorado) and the Soviet Union have successfully experimented with ionospheric heating in recent years. While it eliminates the unwanted signal -- pulser or what ever -- it simultaneously eliminates nearly all other skywave communication, as well . . . maritime, aeronautical, news services,

amateur, and broadcasting. Particularly in developing nations, where skywave is used for much international contact, its loss would result in a communications brownout.

The Soviets may already foresee this defense. The Pulser's large reserve power, apparently not necessary for routine operation, may be designed to allow operation even with a severely damaged ionosphere.

While Washington wrestles with this latest problem, you can hear the Pulser yourself hammering away at not only such stations as the BBC and Israel Radio, but also at no less than its own Radio Moscow and Radio Kiev.

Honi soit qui mal y pense.

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# Beginners Patch

IDENTIFYING LATIN AMERICAN STATIONS

by Bart Beal, Box 1246, Walla Walla, WA 99362

Latin American stations are easily identified if one listens carefully for the ID or station name. Most stations identify themselves on the hour and half hour and often several times in between. Listen also for IDs around 15, 35, and 45 minutes past the hour.

In the next paragraph are a few stations reported throughout the U.S.A. The phonetics in parentheses are my interpretation and have no relation to correct Spanish or Portuguese. Due to space limitations, a vertical chart cannot be shown. You may, however, prefer to make your own, and lay it beside your receiver, if you believe it will help.

- 4770 R. Bolivar (Boh-lee-varh) Ven.
- 4780 La Voz de Carabobo (Kah-rah-boh-boh) Ven.
- 4807 R. Norte (Nor-tay) Dom. Rep.
- 4810 La Voz de Galapagos (Gah-lop-ah-gose) Galapagos Is. Ecuador.
- 4810 R. Popular (Pop-oo-lair) Ven.
- 4815 R. Guatepuri (Gwah-tay-poo-ree) Colombia.
- 4832 R. Reloj (Ray-loh) Costa Rica.
- 4850 R. Clarin (Clar-een) Dom. Rep.
- 4860 R. Maracaibo (Ma-rah-ky-boh) Ven.
- 4875 Ecos del Combeima (Ay-kohs-dell-kohm-by-mah) Colombia.
- 4945 R. Colosal (Kohl-la-sahl) Colombia.
- 4865 R. Sante Fe (Sahn-tay-fay) Colombia.
- 4970 R. Rumbos (Room-bohs) Colombia.
- 4980 Ecos del Torbes (Ay-kohs-dell-tor-bays) Ven.
- 4885 R. Brazil Central (Bra-seal-scene-trahl) Brazil.

Repeat the words in parentheses very fast to yourself then listen to the station. After you have learned these the rest will come easily.

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# SPECIAL feature



## WHAT DO YOU SAY AFTER YOU'VE HEARD A COUP?

by Dr. James W. Morentz. Dr. Morentz is an Adjunct Professor in the International Communications Program at The American University, Washington, DC, and Information Analyst for the Commission of Federal Paperwork. Dr. Morentz was also the main coordinator for the "American in the Information Age" Bicentennial Conference, for the American Society for Information Science in Washington, DC.

I frequently find that, except for publications like this one, most shortwave listeners view themselves as isolated participants in an exciting experience no one understands. But, if you listened to a foreign radio broadcast last night, you joined ever-increasing millions of people around the world in a relatively new activity which is changing the way international issues affect domestic life in the United States.

But, you protest, shortwave listening is not new and not a hobby of millions. Right you are. But, I didn't mean shortwave listening. You are part of something much bigger -- a growing network of international communication which can profoundly affect the way peoples and nations deal with each other on planet earth.

In the past decade and a half, there has been a revolution in communications technology applications which has produced a network of governmental and non-governmental communication channels which links nations at all levels of society. These communication links are sponsored, staffed, and maintained by governments, of course, but also by voluntary organizations publishing newsletters and magazines, special interest media, the mass media, and individuals.

This network of international contact has, and will increasingly have, an impact on the international issues which are raised in domestic American politics.

Moreover, this international communication network is the focus of study in the field of international communications. Several colleges and universities offer graduate degrees which are designed to examine the flow of information across national boundaries and the impact of that flow on events in the international system.

The study of international communication revolves around the role which the transfer of information plays in creating a domestic impact for international events. This is the study of linkages between world events and life at home.

There are many events in which this linkage is direct and easily followed: war, oil embargo, coup d'etat, peace treaty. But there are also a host of events, less dramatic but nonetheless important, which affect domestic life through international communication. These are the focus of considerable study --- and these are the events which form the great majority of those heard by shortwave listeners.

Prior to the twentieth century, governments controlled nearly all contact with the international community through formal diplomatic and military relations. Merchants and other international travellers provided only irregular sources of information. By being the primary source of information, governments largely controlled the domestic impact of international events.

In this century, technological innovations in communications increased the capability for international contact at a steady pace until the 1960s and 1970s. Then, during recent years, the number and type of organizations and groups with access to information about the international environment increased markedly. This rapid expansion in the number of international actors, many have said, has altered the conduct of international relations. Governments can no longer dominate the collection of information about international events.

This burgeoning contact with the international system through communications is the important link in a two-step process of international influence. The impact of foreign events on domestic issues requires (1) an international linkage from foreign countries to individuals, organizations, or governments; and (2) a domestic linkage from individuals, organizations, or governments to the public.

To understand the relationship between international events and domestic issues, it is necessary to focus on what people do with their knowledge of foreign events and cultures. Or, in other words, for the shortwave listener: What do you say after you've heard a coup?

One can readily see the influence on domestic issues of a front page news story, or a statement by the Secretary of State, or a problem raised by a national union leader. In these cases, influence is a result of a built-in audience which gives the appearance of a groundswell of public opinion.

But, what of shortwave listeners? You may recognize that your first step in the process outlined above is far more direct than any other member of the international communication network. You have choice, selection, and total control over what you hear. Only interest and sunspots can limit your contact with international events. You have almost first hand contact without the mediation of news correspondents who "translate" the events and (of necessity) give their own interpretation. Indeed, shortwave listeners possess an unusually impressive ability to reach foreign events.

But what of the domestic link, the second step? Clearly, shortwave listeners do not have the ready-made audience of television news or newspapers. That does not mean you lack influence. It just means that you must work harder to make a contribution to domestic understanding of international events. It is a contribution worth the effort, so let us examine how.

I have observed shortwave listeners to discover what, in fact, they do with their information. I would suggest that there are four types of shortwave listeners who use their access to the international communications channels as (1) toy, (2) hobby, (3) culture-building, and (4) tool. I would further suggest that these four categories are really stages of entrance into active (and influential) membership in the international communication network described above.

Toy: Shortwave listening is a game, played without affiliation in a club or any recognition of the potential which shortwave listening has for increasing international understanding. This stage is based only on having a receiver and using it.

Hobby: While the shortwave listener is interested in the news and music he hears, the real purpose of the hobby listener lies in logging and verifying an ever-increasing number of countries and stations. This stage is based on competition among organization members or friends and achievement of self-satisfaction.

**Culture-building:** The events, news, music, and general culture of the foreign country begin to take on primary importance for the listener. In this stage, the object is to learn. Listening is based on a desire for self-improvement.

**Tool:** Shortwave listening, in this stage, becomes the means toward making a contribution to increased international understanding. This is achieved through the use of the messages from shortwave listening as a source of information for a variety of secondary audiences. From your children to their schools, from programs for immigrants to letters to the President, shortwave listeners who use radio listening as a tool attempt to make their voices a channel for international events to be heard in the American community. This stage is based on a desire for self-expression and sharing.

Each of these categories is a stage in the progression of a shortwave listener from amateur to experienced, from a listener to a communicator. Throughout the progression, the shortwave listener increases the variety of uses he makes of information heard over the air waves. Most important, however, he increases the variety of contact and communication about what he hears to other members of his community. This progression is not given, it is achieved with effort. From Toy to Hobby, one is drawn by interest, but one must make a conscious effort to participate. Progressing from Hobby to Culture-building is a subconscious inclination to listen and react rather than only listen. Finally, from Culture-building to Tool demands a conscious effort and concomitant commitment to using your special link to international events to promote a useful, intelligent view of foreign cultures.

In each stage in the growth of the shortwave listener from toy user to tool user, the influence of the individual on his community expands. But even at the level of toy user, the shortwave listener is an important member of the international communication network. Even passive influence in favor of international understanding is important, and this is the type of influence any shortwave listener can have. Even though not large, the attitudes of shortwave listeners are felt to impress, indirectly, public officials about the public's encouragement of favorable international cooperation programs.

At the level of tool user, active influence comes into play. When messages from overseas are communicated by the shortwave listener, positive attitudes about international cooperation begin to spread throughout the community. Below, four paths to direct influence are illustrated, each of which is open to the serious user of shortwave as a tool.

**Foreign Influence:** The shortwave listener can play an important part in demonstrating to foreign governments the interest of the American citizenry in events in those countries. By writing to an Ambassador, expressing your understanding of his country's programs and policies gathered from radio listening, you become a factor in the international transfer of information and influence.

**Government Influence:** The shortwave listener, with his more direct access to foreign event information, can contribute to the growth of knowledge about international events among busy Members of Congress and their staffs. The formulation of your own opinion in concise statements, mentioning and based on events you have heard in broadcasts, can be a powerful influence on government thinking.

**Private Influence:** The daily life of foreign radio broadcast listeners offers countless opportunities to enlighten others about foreign events and their potential impact on our lives. Primary communication to groups, friends, school classes, and many others, is one important way to spread awareness and factual information about international events in a process which will broaden the educational experience of many.

**Public Influence:** The editorial writer, news correspondent, headline writer of your local newspaper have little direct contact with the international events about which they write. The sum total of their information usually comes from wire service reports which have been edited several times. Thus, the only facts which end up in the newspaper are the boldest, most dramatic. Your ability to contact the event directly gives you the opportunity to express information on the subtle dimensions of international events. Assess the newspaper coverage of a story in the light of your first hand contact and comment on the disparities. The news media will be responsive and the view given to the citizenry will be more representative of actual events.

Even with these four paths to influence, the comment may be made that change will be slow. That may be true, simply because shortwave listening is individualized. The domestic linkages of shortwave listeners have little of the power of interest groups and lobby associations. The way to increase this influence is through greater understanding of the process of influence as currently practiced by shortwave listeners -- which is part of the study of international communication.

With the goal of better understanding what shortwave listeners do with their information, and how individualized influence can be augmented, several questions are posed below. Your responses will enable some of us at the International Communications Program of the American University to better study the problem and make recommendations to you in a later article

on how shortwave listeners can become more effective and influential communicators about international events in your community.

1. Honestly, now, how would you say you use information heard on shortwave? Please give several examples of how used.

2. How many hours per week to you listen?

3. How many countries do you listen to regularly? Occasionally?

4. Do you understand any foreign languages sufficiently to listen to broadcasts? How many?

5. What percent of your listening is alone? In a group?

6. What types of programming do you listen to?

7. Do you record programs off the air? Often? Seldom?

8. Does the news make you try to tune in to countries where events are happening?

9. Do you consciously compare what you hear with what you read about events in newspapers or other media? How does it compare?

10. Does shortwave listening help you formulate opinions about foreign events in a way or with results which differ from nonlisteners?

11. Would you find it useful to have a subscription to a service which provided information about how to make your views known to foreign ambassadors, the U. S. Government, and gave illustrations about how to broaden the domestic interest in foreign events through shortwave listening? The goal of this magazine or newsletter would be to give you a way to make your voice heard on international issues in a way which non-listeners could not.

(Editors note: If anyone would like to respond to the above questions, please send your answers and comments to Dan Robinson, Box 404, Letts Halls, American University, Washington DC 20016. We thank Dan for working with Dr. Morentz on the above article and forwarding it to SWC.)

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Martin Gallas of Springfield IL writes -- Today I received a copy of "International Broadcasting: a new dimension of Western diplomacy" by David M. Abshire. It is a 90 page paperback published by Sage Publications, 275 South Beverly Drive, Beverly Hills CA, 90212, in 1976 and sells for \$3.00.

It covers the role that the BBC, DW, VoA, RIAS, RCI, Radio Liberty and RFE play in the provision of Western news to the Soviet Union and its satellites in eastern Europe. Soviet attitudes toward this broadcasting effort by the west is covered quite thoroughly.

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We have had requests for antenna designs for apartment dwellers and for adding antenna length to portables for inclusion in the antenna issue. All articles must be in by 15 July.

.....

Robert Stees notes that the transistors number 2N5130 are NPN transistors and not PNP as listed in the parts list for his pre-amp design in the March FRENDX, page 12.

.....

Jim Mulvey, 3866 Hudson Ave. Seaford, L. I., NY 11783, would like to get in touch with other DXers in his area.

# Correction

Marlin A. Field, Hillsdale MI reports from FEBEC- 16 January 1977 was an important day in the history of FEBEC. On that day ground-breaking ceremonies were held for another FEBEC installation in Asia, on the island of Saipan, part of the U. S. Commonwealth of the Northern Marianas. The powerful shortwave transmitters, which will be built on the 25 acre site there, will be beamed primarily to Japan, China, and the Soviet Union. Local medium wave stations will be constructed on each of the six major islands in Micronesia -- Yap, Truk, Ponape, Majuro, Palau, and Saipan. The first, on Saipan, is expected to be in operation by July.

## Ethiopia nationalizes Lutheran radio station

A radio station operated by the Lutheran World Federation in Addis Ababa, Ethiopia, has been nationalized by the Ethiopian government.

The 200,000 watt news and religious-information station, which has been financed in part by the American Lutheran Church and the Lutheran Church in America since 1963, became part of the Ethiopian Ministry of Information and National Guidance last weekend. The takeover occurred without incident.

# RADIO MOSCOW

RADIO MOSCOW SCORES RFE/RL

by Kim Andrew Elliott, Minneapolis

International broadcasting has been a major element in the communication of charges and counter-charges in the recent world uproar over human rights, dissidents, and political prisoners. Western broadcasters have been speaking of Bukovsky, Ginzberg, and Sakharov in their programs aimed at the Soviet Union and the socialist countries. Radio Moscow has reacted by telling the West about human rights violations in Israel, South Africa, Rhodesia, and the United States. We shortwave listeners are right in the middle of this verbal altercation. And most interesting from our point of view is when one radio station mean- mouths another radio station. In the March SWG I reported what Radio Moscow had to say about the VOA's coverage of Soviet dissidents. A few weeks after that commentary, Radio Moscow had some choice words for its other Western broadcast adversaries, Radio Free Europe and Radio Liberty. Below is a transcript of Vladimir Bolshekov's analysis on March 1, 1977:

"Now that a new budget is under examination in Washington, there is much talk in the American press about the "humanitarian mission" the two American stations are allegedly performing in Western Europe. The stations' leaders are seeking a new expansion of their 60 million budget and therefore are doing all they can to give the CIA mouthpieces a touch of respectability.

"American taxpayers are made to believe that the freedom of information as defined by the Helsinki decisions is at stake. This calls for the allocation of an additional ten or even twenty million dollars to meet the two stations' needs. Yet any American who has a chance to listen to Radio Free Europe or Liberty broadcasts to the socialist countries would see for himself that they have nothing in common with the freedom of information or the Helsinki accords. Their purpose is to spread falsehoods and slanders, sew dissension and didtrust in world relations.

"You probably know that in the final Helsinki act, the signatory states have committed themselves to build their relations in accordance with the principles of respect for one another's sovereignty and non-interference in the domestic affairs of one another. The participants in the Helsinki conference have agreed that information exchange should serve to promote understanding, trust, and friendship between nations. If looked at from the viewpoint of these commitments, Radio Free Europe and Radio Liberty are engaged in activities incompatible with the letter and the spirit of the Helsinki agreement.

"I recall that back in 1972, the activities of Radio Free Europe and Liberty were qualified in the American Congress as an outgrowth of the Cold War policy. Ever since, the two stations have been the champions of the now-bankrupt policy of confrontation and world tension. Small wonder that many listeners are the former Nazi associates and traitors. The two stations have been lately offering jobs to the so-called dissidents, people who've broken ties with their own countries and have been recruited as agents of foreign espionage centers.

"Commenting on the issue, the West German magazine Blaetter fuer Deutsche und Internationale Politik wrote that while employing its workers, Radio Liberty gives priority to former Soviet citizens. Many of them had left the Soviet Union under the pretext of going to Israel and found themselves in Munich shortly. Not only the CIA has had its hand in these affairs, but also the Institute of East European Studies under the auspices of the United States Army, the magazine added. Western newspapers reported on many occasions that that Radio Free Europe and Radio Liberty not only prepared broadcasts but carried out espionage activities and engineered subversive acts against the socialist countries.

"In short, the stations are instruments that the CIA is using to carry out its subversion against the socialist countries. Incidentally, the head of the Liberty station, F. Ronalds, is a CIA official. The chief of the Russian service also works for the CIA. He was once deported from the Soviet Union for activities incompatible with the status of a diplomat.

"The activities of these stations runs contrary to the relaxation spirit and the elementary norms of international law. The section of the Final Act dealing with the exchange of information lays heavy emphasis on the idea that cooperation in this field should agree with the interest of mutual understanding between nations. This is not what the CIA-run stations in Europe are doing. They're spending dozens of millions of the taxpayers' money on activities aimed at undermining friendship and cooperation between nations and are planting the seeds of distrust and hatred among nations."

HELPING HAND: Will trade. New FRG-7, ICF-5900W, KS Preselector and Autek QF-1 Filter for SPR4. Contact Larry Brookwell, 1826 Cypress St., San Diego, CA 92164 or call 714/429-9721.

HELPING HAND: Items for sale. Realistic DX-150A receiver, good condition, but probably needs realignment. \$90.00 plus shipping. ....Lafayette HE-48C speaker. \$5.00 plus shipping. ....Telex H7C-2 "Twinsset" headphones. \$10.00 plus shipping. ....Franklin 24 hour wall clock. \$11.00 plus shipping. Contact David Ball, 62 Lexfield Avenue, Downsview, Ont., Canada M3M 1M5

# Sir One - Passé?

by Bart Beal, Walla Walla, WA

No, this article is not meant to be an obituary for the Drake SSR-1 communications receiver, inimically dubbed the "Sir One" by DXers according to Communications World 1977. However, as an exercise in Schadenfreude (which the dictionary defines as "malicious joy at the misfortunes of others") let's review some unhappy facts.

"Sir Ones" are poppin' up all over in the for sale sections of SW club bulletins at prices ranging from \$190-240.

During recent months few Drake SSR-1s are appearing as new or second receivers in club bulletins member listings.

Drake does not advertise what their sales are, but if the factors above are an indication that sales are down, some of the user's reviews may shed some light on the problem. Problems like overloading, images, and cross modulation.

However, at least two reviews gave "Sir One" a good grade and did not mention any problems, only kind words. One reviewer stated the attenuator switch had not been used at all, yet. Popular Electronics, a magazine of practicality, although pointing out some minor flaws, concluded the SSR-1 "to be a fine choice for the serious SWL with limited funds."

Regardless of the pro's and con's of whether or not "Sir One" is on the decline, this may not signal the demise of this handsome receiver, but the factors indicated above are certainly an ominous sign.

Moreover, "Sir One" has a problem not mentioned in reviews or statistics; competition from the Yaesu FRC-7, affectionately labeled "Frog-seven". The "Frog-seven" now far outnumbers the "Sir One" in club bulletin listings of members receivers in the past few months. And not one "Frog-seven" has been noted for sale in any club bulletin received here.

Why does "Frog-Seven" apparently outsell "Sir One"? For starters, "Frog-seven" offers features not available on the "Sir One" and sells at a lower price. In addition, it is now sold by Sears Roebuck, although at a higher price, it will make this receiver available on credit to persons who otherwise do not have enough cash on hand. Also excellent reviews by Jim Ronda and Ed Insinger of NASWA's FRENDX and a positive recommendation by Ralph Sanserino, editor of Technical Topics for SPEEDX, along with some encouraging remarks by veteran DXer and writer Glenn Hauser of FRENDX Listener Notebook, have given "Frog-seven" a big push. Thus apparently leaving "Sir One" second in sales to club members, if not the world.

No, "Sir One" is not passe, yet. But watch out, "Frog-seven" is rumored coming out with digital frequency readout!

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## Propagation Conditions

by Jerry A. Lineback

The solar flux peak predicted for 5 April did not materialize until 15 April, giving a period of 38 days between peaks. Good geomagnetic peaks occurred on 7 April, before the solar flux peak, and on 19 April, after the solar flux peak. An intermediate geomagnetic disturbance was taking place on 25 April. The next solar flux peak might occur about 12 May, with minor geomagnetic disturbances a few days before and after.

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SPECIAL PUBLICATIONS- Don't forget that NASWA Special Publications 1) Keep it Quiet by Morgan Monroe, and 2) Precision Frequency Measurement by Charles Taylor are available for \$1.00 each and 3) Introduction to Shortwave Propagation by John Tuchscherer is available for \$0.75. Send orders and payment to Jerry A. Lineback at the SWC address.

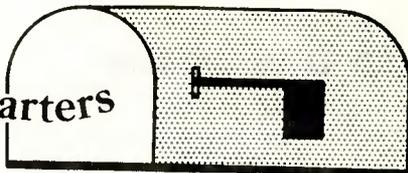
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HELPING HAND: For sale: Autek QF-1 Audio Filter, \$42.00 postpaid. Heath model HD-20 100kc crystal calibrator, \$12.00. Both in mint condition. Contact Andrew Pappas, 11421 S. Maplewood Avenue, Chicago, IL 60655

HELPING HAND: For sale. Sony 10 band Earth Orbiter portable receiver. Mint condition, 2 months old, CRF-5100. \$179.00 including postage and insurance. Also Sony ICF-5900W SWI-3, FM, MW portable receiver. Dual conversion with built-in 250 crystal calibrator. Tune to plus minus 5 kHz. Mint condition, \$105.00 including shipping and insurance. Contact Jon Weber, 5230 Sunset Trail, Marietta, GA 30062.

# QSO/NASWA

letters to headquarters



EDWARD C. SHAW, QSO EDITOR  
P.O. BOX 7053  
LEXINGTON, KENTUCKY 40502

MORE CARE FOR YOUR DX MACHINE: Jay Golden in Chicago shares with us the news about yet another technician able to put your receiver in top-notch shape. He is Robert J. Orwin, W9YKA, 531 Homestead, La Grange Park, IL 60525. Robert is a former chief design engineer for Hallicrafters. He resurrected Jay's 51J-4 receiver from its deathbed, and has also worked on R-390s and Drake F4 series, etc. Obviously, he dabbles in Hallicrafters as well. Hi! Anyone needing him may call (312) 352-2333 to discuss terms and shipping. (Jay Golden, IL)

ASIAN DX HELP: NASWA members may like to investigate the services of an old established DX club in the Asian field. Japan Short Wave Club (JSWC), CPO Box 1665, Tokyo 100-91, JAPAN offers their bulletin for \$6 seairmail or \$15 airmail. Especially helpful for the young members, since JSWC caters with great success to Japan's booming SW enthusiasts. Congratulations to JSWC on its 25th anniversary! (Toshimichi Ohtake, PA)

## IN MEMORIAM

We have been advised that FRANK TESTA succumbed to a stroke on April 6, 1977. Frank Testa was well known to DXers in New England area where he helped to charter the Boston Area DXers (BAD GUYS). Bad Guys remember fondly the many spaghetti, lasagna, ravioli dinners when they met at Frank's place. Although I never met him personally, Frank Testa was known to me as one of the most amiable DXers one could hope to meet in this hobby. This was one Bad Guy who really knew what it took to be a Good Guy. We'll miss his delightful stories.

PETER SCHIPELLITI, BOB BUTTERFIELD, and GREG CALIRI spent the night DXing on 26 March, at Peter's house on top of the hill. Receivers at hand were the FRG-7, SW-4, and a BC-221 Frequency Meter. An especially good African evening started with Sierra Leone at SIO = 444 on 3,316 KHz! Malawi on 3380. These three had such a fine meet that they suggest meetings of 2, 3, or 4 local SWLs is the way to go. (Peter Schipelliti, MA.)

STATIONERY TO PUBLICIZE YOUR HOBBY: We've mentioned before lots of ways to tell others about what you are doing. One NASWA member will help you out. Doug McClure, 109 East Lafayette Road, Medina, OH 44256, offers small-job printing and rubber stamp service. Drop him a line to ask for rates and to discuss designs.

GEORGE HERAGHTY, WB2FKP, a NASWA member from Ronkonkoma, NY would like information on island landings, i.e. safest possible way! Info for DXpedition for himself and friends to Clipperton Island off the coast of Mexico. Write 2561 Motor Parkway, Ronkonkoma, NY 11779

ANARC DIRECTORY OF DX CLUB PUBLICATIONS is out and now available for a legal size return envelope with your address and 24c postage affixed. This directory lists all clubs adhering to ANARC and tells what publications are offered by those clubs. Get yours this week! And, while we are talking about ANARC, why not subscribe to the ANARC Newsletter itself - keeps you up to date on what's going on in and among the various clubs in North America. Both of these publications by ANARC are a worthy investment. ANARC Newsletter is a monthly...\$2.50/year. Write Dave Browne, ANARC Executive Secretary, 557 North Madison Avenue, Pasadena, CA 91101. Incidentally, Dave intends to be at the Chicago convention 15-17 July.

FREQUENCY COUNTERS ARE CATCHING ON: The latest nifty deal for DXing seems to be the frequency counter. Only a few of these articles are on the market at present for a reasonably modest price (Less than \$100 in my opinion). Look for a NASWA article to come. Input on kits made by NASWA members welcomed.

LETTERS IN RESPONSE TO THE RECENT EDITOR SITUATION AND ABOUT NASWA MATTERS

Editor's Note: The following letters are, of course, condensations of correspondence received. We simply could not print every letter word for word. We tried earnestly to get the meat out of every one. Anyone is welcomed to have actual copies of letters if they desire to read them for cost of xeroxing and postage. The letters published here are those received as a result of the recent controversy over Editorial Standards and NASWA matters. The letters which appear here are based on the writer knowing BOTH sides of the story, having heard from both editor and HQ and seen the Standards. We are awaiting more replies from the membership and will devote as much space in FRENEX as necessary to print them all. Let's hear from you, please. Thanks, Ed C. Shaw, QSO/NASWA Editor, P.O. 7053, Lex. KY 40502

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DIANE LEVESQUE: The only things I'd change are; sentence one in #3; and #7. I'd omit sentence 1 in #3 altogether because personalities are what make an editor and his column interesting. Or does it mean one should avoid criticism of personalities? If it does, then I agree and request that it should be rewritten to mean that. #4 is self-contradicting inasmuch as religion and politics is what SWBC is mostly about. Or is this another vague statement that should read, "Avoid criticism of politics and religion and treat them as you would descriptive detail in reports." Or some such? It needs to be defined more or omitted. #7 also needs definition. How does an editor stick to "SWBC" and avoid utilities, harmonics, etc. at the same time? I suggest a canvass of the entire membership is necessary to determine what they want in their club and what they don't want. I think standards are very necessary. Without standards, we would have a literary free-for-all that would accomplish nothing and no one would benefit.

MICHAEL G. WORST: After reading the Standards, I thought to myself, sheesh, is that all it is? I think what happened is you insulted the intelligence of your editors. Standards stating the obvious are 1, 2, 4, 6, and 11 thru 14. Numbers 2, 3, 4, 5, 9, and 10 especially come across with the attitude that your editors are guilty until proven innocent. Numbers 3, 4, 5, 8, 10 and 14 should not have been mentioned unless there was a definite need, and then only to the particular editor. You should have gone to your editors for their opinions first and found out if any standards were really necessary at all. IRCA has its Editorial Policy, which gives editors authority for any decisions, but we still assume that they know something about running their own columns. Since CL disappeared, some of my interest in NASWA also disappeared. But, good grief, you executed without a trial on the complaint of one member. You mentioned space used for irrelevant trivia could be used for more useful items. Well, in my opinion, QSLs and newspaper clippings as filler material are not useful. Also, I remember reading about the R. Sweden program and don't think Glenn has to apologize to anyone for it. If I was the editor, I might not have printed it myself, but as the publisher I would have let it go through. (And, so did we, Mike)

SAM BARTO: As an editor, I would like to say that I fully support the Executive Council. There must be some semblance of order among the editors. Any deviations from the Standards should be a matter between the editor and the Council.

GERALD BISHOP: If there has never been one word censored, then why is CL not in print? You should have suspended the column, placed the matter before the membership, then made a decision. I agree with the majority of the standards, except for #3, #4, #5, and #7. #3 is too broad; I agree that someone should not be called a liar in print, or unreliable, or totally unsound mentally, provided that person is a NASWA member. But, there are people who need to be trimmed down now and then. Perhaps expletives should be deleted, but reporting only what is heard (ala Glenn Hauser)

AND, MORE LETTERS.....

should be permitted. I think harmonics are fascinating and should be reported. Also, in light of Don Jensen's recent DX Central column in the May Elementary Electronics magazine, perhaps NASWA should prepare a list of utility frequencies used in such as Barbadoes, Fiji, Trinidad, Jamaica, Bermuda, etc. to have us ready in case one or all go on SWBC when Queen Elizabeth visits.

HADLEY CRESS: One former editor said that everyone should write, so I am, but not for the reason he advocated. I am not in support of that editor. I did write to him and took issue with him as politely as possible. He seemed to be incognizant of advice in his own editorials, such as "You should strive to reach them, not chastise them.", then he proceeds to chastise everyone in sight who doesn't think as he does. I am well satisfied with the operation of NASWA and am grateful to you and others concerned with that good operation. Incidentally, I do not miss CL!

TED POWERS: I think Hauser overreacted to what are, ingeneral, very mild guide lines. I do not agree with all of them, but I support them. For example, number 7 restricts use of utilities, but I could NNRC which covers this type of information. Since #7 meets the stated objectives of this club, I support it. I think that the standards were interpreted as potentially binding as the Ten Commandments, and they probably should have been considered something very different. About Bad Words, et al ; I doubt that an occasional bad word will cause a significant number to switch to PRENDX from Hustler. However, we should look at the objectives of PRENDX and judge whether use of obscenities adds any significant DX information. In my view, the Swedish program was of interest, but the wording of the report was not of particular interest and added no significant information. About Don't You Believe, et al; I think that the editor's public relations with HQ needs work. The use of Don't You Believe may imply to some that GH has certain unique qualities that make him a final judge in the world of SWL. In the early 50's some pretty good clubs disbanded with members divided over trivial matters. I think NASWA's HQ is simply trying to prevent this same kind of thing, and although I might have approached the problem differently, I support their efforts in the matter.

DAN HENDERSON: I really do believe that a number of persons are overreacting to the whole thing. Particularly some of the editors, and others who have been rather vociferous. However, HQ must share some of the blame. Remember, NASWA is SWBC in scope. It was always a DXer's club. Let's be a DXer's club and new DXers will follow - they always have. There cannot be a thing called "management" which can control ideas, etc that editors may have. There are things that have to do with DXing that may mention politics and the editors should have the right to state their cases as long as they don't harp on it month after month. In my opinion, the membership is still interested in DXing, and not interested in becoming a SWBC listener's club like (two other clubs). I am attempting to formulate an Awards Program oriented toward DXing. I believe we want to emphasize DXing in NASWA, not how to filter out noise from sewing machines.

ROBERT FRASER: I thought the 14 points of editorial standards covered everything. The only addition I can think of is to always remember it is a hobby club, that members join of their own free will, and that the club will exist and prosper only as long as the member's interest is kept.

WERNER HOFFMAN: What is meant by NASWA government? I thought NASWA was a club. Reading the standards, I can't disagree with or add anything useful. Why does PRENDX need a DXH section, which seems a duplication of LR?

KEVIN MIKELL: Last week I sent you a letter voicing my opinions about the recent cancellations. After reading your side, I realize how I jumped to conclusions too soon. I apologize for doing that. I hope that CL can come back, but perhaps not with the bite he once had. What about the issue with Glenn? I was indifferent to Don't You Believe, but I liked In My Opinion.

JON COHEN, Willingboro, NJ: I have read the standards list for editors with interest. In general, the list seems quite sensible, but I would like to raise an objection to a strict interpretation of the seventh item. It seems to me an occasional mention of transmissions outside SWBC is worthwhile. It serves to remind us that there are many interesting things to be heard in the radio spectrum. In fact, such items have commonly appeared in the pages of FRENDDX. In the April issue there is a utility item in Log Report A, and an amateur item in Log Report D. The QSL column once reproduced an amateur AMSAT card and QSO/NASWA reproduced an amateur card. I was pleased by these items. In fact, anything which expands the enjoyment of radio is worth encouraging. (Ed. note: Log A used a utility report for the purpose of illustrating what some NASWA members were reporting as SWBC. Log D did report the interesting Pitcairn Island logging as a singular item. QSL Report did illustrate an AMSAT card, and QSO/NASWA did depict an amateur call card once, but the interest was in the cryptography hobby it showed on behalf of a NASWA member. Not that he was an amateur radio operator. At present, this editor and most long-time NASWA associates both past and present deem it is essential to NASWA's success that it remain exclusively SWBC, at least for the present.

RICHARD LARSON, Mpls, MN: Now that I have heard from both sides in the brouhaha at hand, I have the following comments. You complain that we haven't heard your side of the story, but this is because you never told us until the April issue. It seems you have been reluctant, for whatever reasons, to tell us your motives for your actions. Only now do we find that CL was forcibly retired, and not voluntarily as had been our previous impression. (Richard means to say his previous impression.) How can you justify banning CL on the strength of one complaint? How many complaints will it take to get him back? As regards bad words in LN, I personally am against censoring these words, since I'm a big boy now. How many were offended by them? Or was it only HQ? How many besides HQ considered In My Opinion, Program Reviews, and Don't You Believe to be trivial? In my opinion, these were the best parts and without them LN is overwhelmingly statistical. IMO provides a forum for the expression of opinion by the membership. Are you planning to replace it? What's wrong with expressing our opinion about what we hear on SW? We don't have to sit mutely by and absorb whatever propaganda the bible-thumpers or commies/socialists/marxists or VOA or BBC or whoever push at us. I use the word "censorship" because it fits. Whenever some words, opinions, or other statements are not allowed to appear, no matter how honorable the intentions, or how good the motives, then that's censorship. And, if the ability to recognize it when I see it makes me shallow, so be it. In closing, let me say I am resigned, but not calmed. I still want CL back and I want GH editorial independence restored. (Ed. comment: Many thanks for a great letter Richard. It shows you thought long and hard on the subject. Amazing how parallel your thinking and writing are to GH! You realize, of course, from the April editorial that CL is invited back...but nobody answers. Regards Opinions from the membership, you ask if we are replacing In My Opinion? No, there was nothing to replace. Opinions always were properly addressed to QSO/NASWA...QSO means communication with... You have always been invited to express your opinions to NASWA in the QSO/NASWA section.)

MIKE HARDESTER in Japan advises that upon his arrival in Japan he purchased a FRG-7 by Yaesu for U.S. \$191.92. With the dollar weakening and the Yen growing, the exchange rate soon jumped the FRG-7 price to \$209.56...within a month. Japanese exports can be expected to increase in price. Get 'em now if you're seriously thinking about it.

CHARLES TAYLOR in Indianapolis advises that R-390/R-390A owners needing 3TF7 ballast tubes can get them easily and readily from him. He also repairs these and R-392 or AR-88 receivers..among others. 936 N. Temple Ave., Indianapolis, IN 46201 (317) 635-2164.

WILLIAM TRUBEE in Hawaii relates that his SWL call letters recently caused him some excitement. Upon his application for a novice ham license, send in an envelope bearing his SWL call sign, a return letter invited William to explain to the FCC just what those call letters were. His explanation apparently satisfied the curious officials and William was thanked for his cooperation. But, it was shaky moment or two there.

# listeners NOTEBOOK



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

## PROPER CREDIT

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## REVIEW OF INTERNATIONAL BROADCASTING

is a new monthly bulletin edited and published by gh, devoted to the free discussion of SW programming, and any other topics related to the DX hobby. Some of the features in it were formerly allowed in LN--but a publication of this length (20 pages maximum) could not have fit into FRENEX under the most friendly of circumstances. RIB appears mid-monthly, so it also carries DX news and schedules too late for FRENEX, but which might be stale or useless by the following month. A 12-issue subscription by first class in NAm or surface mail elsewhere, is US\$6.00; international airmail, \$11.00. Samples, 50¢ NAm/surface; \$1.00 or 5 IRCs international air. Please remit in US funds by international money order; or make checks payable to Glenn Hauser; address above.

## ENGLISH SCHEDULES

USSR On 6/3 R Vilnius revised its NAm svc so that Eng is daily ex-weekends, at 2300-2330, also to Eu 2230-2300 on 6100, while 0100-0130 is all-Lith ex-Eng weekends. Fqs changed since (BBC MS 24/3) Mrs. Stepanova says R Moscow changes freqs to NAm on 21/4 to: 15100/15180/11690/12000/12050/9710 (George J. Poppin, CA, 8/4) Try 15425/15210/11750/9720/9685/9665/9530/7250/7165.

TURKEY VOT operates 2200-2430 on 11880, and at 2230-2430 on 9515 (Frank Labelle, PQ, DX Party Line 26/3) Maybe, unconfirmed (gh)

TANZANIA R Tanzania and 3/4 this sked; 0330-0500 EC&Saf 15435/6105; 0900-1030(Sat/Sun to 1530) Eaf 9750; 1530-1915 EC&Saf 15435/6105 (BBCMS 6/4) SRI LANKA LN-5

SEYCHELLES FEBU's new morning sked includes Eng to Eaf 0400 on 11785 (Mainland, NZ and Lorenz, Austria, Sweden Calling DXers 5/4) Maybe changed again by now (gh)

ROMANIA R Bucharest to Eu at 1930 is now on 9510/7195 (BBCMS 14/4)

PHILIPPINES FEBC sked dated 6/3 to 3/9, so perhaps no changes made on 1/5; to Indonesia/Japan, NAm; 0800-1000 on 11850; 2330-0100 on 17810. To Au/NZ 0800-1000 on 11765; 2300-0230 on 21515. To SEAs/India; 2300-0100 on 11890; 2330-0000 on 15440; 2345-0230 on 15235; 0100-0600 on 17810; 0100-0600(Sun 0800) on 15390; 0800-0900 on 9505; 1215-1400 on 15440; 1400-1630 on 11855/6120. All are 50 kW exc 21515; 2 kW (via G. Rubone, NY; T. Overcamp, SC)

PAKISTAN RP 0500-0815 21575 ex-21570; 1630-1645 add 11680 (Junqua) NORWAY, NETH. ANTS. LN-2

MONGOLIA R. Ulan Bator announced this sked at 1250 4/4 and 8/4 on 11860; daily except Sunday at 1220-1250 on 9.57, 11.86; 1715-1745 on 17.78, 17.86 MHz. 9.57 is actually 9575v. Formerly they slipped a decimal, with "95.7, 63.8". 6383 was dropped at end of March. I have no idea where 1715 xmsn is beamed, but with luck it might reach ENAm over the pole (Gib Junqua, Japan, 11/4) In mid-summer, when mostly sunlit path (gh)

MALAYSIA VOM to SEAs 0625-0855 is on 15295 ex-15275; // 9750/6175 (BBCMS 6/4)

LEBANON pro-Phalangist clandestine Voice of Lebanon, "the Voice of Freedom & Dignity" has English & French at 1600-1715 on 6850 (BBCMS 3/77)

JORDAN HKBS sked matches WRIVH 77 except for addition of commercial English program on 9560 at 1800-1830; 100 kW (Geoff Gosier, Victoria 5/4) JAPAN, ISRAEL LN-2

IRAN All external services of VOI have been transmitted one hour earlier since the intro of summer time on 21/3 (BBCMS 31/3) So English would be 1900-1930 on 9022. A station out of touch with the world; maybe they'll learn to keep on GMT like Israel did (gh) DST will last 5 months and save about 1,500 million rials in electricity, per Energy Ministry (BBCMS 24/3)

HUNGARY R Budapest's erstwhile oob of 9833 has not been heard for some time, and is missing from May sked. Now all in-band; NAm 0200-0230 (exc Mon) 17710/15225/11910/9585/6000. It 0300-0330 daily, and DX Wed/Sat 0400-0415 same except for 17720 (R. Budapest sked via gh)

GREECE For J77 (the broadcasting season 1 May to 3 September 1977), VOG sked may be entirely different. During M77, fq changes were reported almost every week! GRENADEA Below  
1015-1030 to Japan now on 11760/15945 (BECMS 10/3)  
2115-2130 to Australia now on 9675/6140 (BECMS 17/3)  
2115-2130 to Australia is not on 9675, but 9760, also on new 9655 and usual 6140 (BECMS 24/3)  
0015-0030 and 0215-0230 to NAM, is now on 11730 and 9760 only (BECMS 31/3)  
1915-1930 to Europe is on 9530 ex-9675; parallel to usual 7215/6140 (BECMS 14/4)

FINLAND For J77, R. Finland merges two morn xmsns into one at new time: 1300-1325, still on 15105 100 kW to NAM; and 15260 250 kW to FE. RHC permitting, maybe the 2330-2355 to NAM, 250 kW on 11755 will be audible this summer; other English blocks are 1900-1925, 11755 250kW to SEBU/ME and 15265 100 kW WEU/WAF; 2030-2055 11755 250 kW to C&SEU; 15265 100 kW WEU/WAF. Sat/Sun only at 0930-0955 9550, 100kW WEU; 11755 15 kW CEU; 15270 250 kW C&SEU (RF sked, gh)  
During the summer, the HS relay on 6120 at 0630 has English news from international wire services, intended for tourists in Finland (Finn-DX 2/4 via gh)

ETHIOPIA Voice of Revolutionary Ethiopia retimed to 1630-1700, still 7180/6015 (BECWRC 20/4)  
Down under DXers hear this with no trouble, but in NAM, it's another story! If sked remains only extreme west-coast listeners may hear it, and not until late fall or winter (gh)

ECUADOR 19/3 at 0705 I heard English ID on R. Nacional Progreso, Loja, on 5060, 5 kW, asking for reports, but not promising to reply or QSL (Arthur J. Watson, BC) Perhaps, like Costa Rica, aimed at Euro or Spac DXers due to timing (gh)

EGYPT (oops) R. Cairo has added 7120 to 9475 for NAM at 0200-0330 (BECMS 3/77) No doubt a belated and well-intentioned measure for winter's low MUFs, but ill-fated and unconsidered due to Peking via Tirana near same fq! (gh) Other English: 1315-1445 to SEAs 17920; in the 'Voice of Africa' pgm, 1715-1845 on 15255; 2030-2200 on 11790. To Eu but NAM too, 2200-2315 on 9805 (BECMS 3/77)

COSTA RICA Eng annt on "Aqui Costa Rica" on 9/4 at 0709 offered a souvenir QSL; on R. Reloj 4832 (George Poppin, CA) I gather rest of pgm to 0815 you heard was in Spanish (gh)

CONGO V. of Congolese Revolution ancd 21/3 that thenceforth domestic news in English would be at 2100-2115; currently audible on 15190/4765 (BECMS 24/3) CANADA see ANTIGUA & below

BRAZIL RNB at 2100-2200 was QRM'd by WYFR on 11780, so has moved to 15245 (David Ansel sp? BBC WRC 20/4) So now everyone should be happy (Frank Hennig, WRC host) Are you kidding? or are you listening? If it's not WYFR QRM on 11780, it's Zaire QRM on 15245: (gh)

BERLIZE R Belize on 3285, the listing 3300, sked English at: 1100-1600, 1700-1845, 1900-2200 0030-0115, 0130-0510; rest Spanish (Dan Carrier, FL, SPEEDX 4/77) Or 90 min Sp per day (gh)

BELGIUM (Cf Apr LN-1) BRT/SW sked was wrong, judging from later card saying that at 0015-0045 3/4 to 24/9, 9725 would be used. Dumb move, under VOA at least in April; when will they wise up? (gh)

ASCENSION Full J77 BECWS sked not to hand, but 'London Calling', compiled months in advance projected for May that 5960 would be this site at 2000-2245; 9580 would be UK until 0030; and 15260 would revert for the summer to UK (gh) Later; sked in, and it says so too (gh)

ANTIGUA The 2nd BBC xmtr here was activated around 1/4, on this sked: 2000-2330 on 6195; 2330-0730 on 6175; 0500-0730 on 9510. So Sackville changes too: 2300-2330 on 6175; 2330-0430 on 6120 (BBC WRC 20/4) 6120 rotten choice, Sweden to 2400; Spain after 0052 already on it. Extension on 6195 ignored VOA Portuguese there from 2130; however BBC audible clearly on 24780 (4th harmonic) and sometimes from 6175 on 12350 or 24700. Unannounced and unsked on 9700, freq apparently loaned from DW, at 0400 17/4, off already at 0455 check; may replace; (gh) Also testing on 11850, on abruptly around 0419 5, 8, 9, 10 April, off at 0444. (Hadley Cress, VA) Who knows, some of these tests maybe Montserrat? (gh) BBC test relay 15070 on 9510 1700-1830; Barquisimeto inactive (Wood, St. Lucia, 19/4) Both LC and BECWS J77 freq skeds did not take 2nd xmtr into consideration, and are thus wrong (gh) LIMITIES:

CANADA J77 as planned 28/3. RCI resumes morn nx for Eu/Af; 0615-0630, 0645-0700 on 11790/9660/6150/6140 and DL1720/7155. 1800-1830 15260 escaping Uganda/17820; 1900-1930 too. 1930-1959 17760/15325/11855; 2030-2100 17820/15325/11855; 0200, 0300, 0400 add 11845 (RGI)

GRENADEA R. Grenada 9560 ex-9550 avoiding Habana, sked 1545-1800, hrd 1400, weak (Wood, St I)

ISRAEL IBA J77 times unchanged. 0500 9820/7412½ Eu/NAM; 11960 WNA/M; 12045 ANZ. 1200 17815/15405/15100/11655 Eu/NAM; 15485 SEAs. 2000 11655/9915 Eu/NAM; 15312½/9425/9009 Af. 2230, 15485/11655/9815/9435 Eu/NAM; 9815 best for CAm/Carib (DX Corner 24/4) skeds Mon 2255 -gh)

JAPAN RJ J77 to NAM, 2345-0045 15300 ex-11800; 0130 17725 ex-11840/15195/15420/17825 (Wood)

NORWAY NRK J77, Eng Suns & GMT Mons ½ hour. 0800 6015/9590/11850/15135; 1200 6015/15135/15175/21730; 1400 9590/\*15175/\*17840/21730; 1600 15175/\*17795/\*17800/21730; 1800 6015/11935/15175/\*21730; 2000 9550/11850/15175; 2200 11870/\*15175/\*17795; 0000 6015/9550/\*11860; 0200, 6015/\*9645/\*11860; 0400 \*11860/11895/15135; 0600 11895/11860/15135. \*NAM: 250 kW (NRK)

NETHERLANDS ANTILLES Only J77 change is 1640-1650 Eng/Dutch from RN on 17825 ex-17775 (RADX)

OTHER SCHEDULES

VIETNAM On 4680, V. of the Government (tentative name) observed from fade in 1003 to 1530\* with Hanoi HS-1 relay except for own pgm at 1200-1230. 1300-1330, 1500-1530. On 4780, Liberation Radio (also tentative name, location unknown), observed relaying Hanoi-HS-I from 1007 f/in to 1230\* except for own pgm at 1030-1100, 1200-1230. On 4687-90, R. Quang Ninh has own pgm only, at 1200-1225, 1300-1325. On 4770/6330, R. Tay Bac from 1001 f/in to 1430\* with HS-I relay at 1100-1130, rest own pgm. And on 4102/6896-8, was on 6904 till 4/3, R Viet Bac own pgms only at \*1125-1430\* (Isao Ugusa, Japan, FEDX Review 25/3)

VATICAN VR Esperanto is at 2005-2015 on 6190/7250/9645 Eu; 9625/11705/15120 Af (Robert Kukan) I thought it was Sunday only, and in fact on 11700 usually (gh)

USSR Arkhangelsk on 5015 relays Mayak, except: Fri 0330-0400; 0410-0440; exc Mon 0515-0525; Tue 0525-0600; 1010-1200; 1500-1530 exc Sa/Su; 1530-1540; daily u.o.s. Local announcements are broadcast on VHF only (BBCMS 2/77) Estonian Pgm-I is on 6085 at 0300-2205, including Moscow relays, Finnish, Swedish and "Stereoradio" (BBCMS 2/77) Vilnius Pgm-I is on 9710 at 0200-2300, includes Moscow relays, Polish and English 2230-2300 (BBCMS 1/77) 10/3)

TANZANIA After R. Tanzania's external svc closes at 0530, 6105 relays the Nat'l svc (BBCMS/

SWEDEN The SSB xmtx no longer carries the FS, just the HS in Swedish: 0500-0800 on 17775; 0930-1400 21555; 1400-1800 21590; 1800-2130 15190 (SGDX 5/4)

SEYCHELLES FEBA new morn sked: Farsi 11810 0310-0340; Arabic 11845 0345- (Credits as LN-1)

SA'UDI ARABIA Holy Quran Station, Riyad, now 11930 ex-11960, 1700-2000 to N&GAF (BBCMS 24/3) Riyad HS on HF currently monitored: 0700-0730 17875, 11950, 12920, 17220, 7165, 6085, 5970, 7220, 7165, 6085, 5970,

0300-0500 11950, 9720, 7220, 5970, \*5390 \*SSB  
0500-0700 11950, 11870, 9720, 7220, 7165, 6085, 5970, \*5390 \*5390  
0730-1000 17875, 11950 Fri, 11870 from 0815, 9720 Fri, 9580 from 0830, 7220 Fri, 7165 to 0815, 6085 to 0830, 5970 Fri, \*5390 Fri (confusing, but so arranged by BBCMS -g)  
1000-1600 21590, 11950, 11870 to 1350, 9720, 9580, 7220, 5970, \*5390  
1600-2300 21590 to 1700, 11950, 9730 from 1700, 9720, 7220, 6130, 5970, \*5390 (BBCMS 14/4)

PHILIPPINES FEBC announced these changes until 3/9: 2505 ex-11890 1200-1620; 11855 ex-11890 2300-0600; 15385 ex-15300 0000-0200; 15390 ex-15300 1300-1400 (Arthur Cushman, NZDXT 4/77)

PAPUA NEW GUINEA Kavieng, New Ireland on 2428 has this sked in "EST", I assume 10h ahead of GMT: 0600-0800, 1700-2300; tests begin 15min earlier (QSL from Otto Malatana, mgr to Bill Whitacre, MI, in GLDXA Newsmemo 25/3)

PAKISTAN (Cf LN-1) The 0500-0815 xmsn on 21575 is primarily in non-English (gh)

MOZAMBIQUE Maputo radio said that as from 7/3 skeds would be modified to coincide with new work time-tables; both "A" National Service and "B" pgms would open at 0255; provincial stations would open at 0400 instead of 0355 (BBCMS 17/3)

MONTSERAT Registered for M77 and J77 on 11970 1200-1220 and 1300-1320, 15 kW with 90° vertical angle of radiation!! and continental SAM given as target zone, per ITU (Magne 4/4) These xmsns are in fact heard, from DW, and sound like more than 15 kW to me (gh)

MONGOLIA RUB's 1300-1500 FS, list 4950 is no longer there but on 7235/7262, per monitoring; and Chinese and Mongolian have been reversed to Chinese on the hour, Mong on half-hour (Gib)

MAURITIUS MBC operates on 9710 at 0200-1300; 4850 1300-1830 (Sat 1900), in Indian languages, Chinese languages, French and English (MBC via BBCMS 3/77)

MALTA & PORTUGAL Vox Fidel sked via Cyclops & Sines; French Sat 0600-0630 6185, 0730-0800 9670, German Sat/Sun 1010-1100 9670, Sat 1630-1645 9670, Sun 1610-1700 9670, Russian Sat 1600-1630 9670. All pgms are available on cassette from Vox Fidel. CH-8040 Zurich, Switzerland (Adam Gaffin, NY, 12/4)

LIBERIA ELWA sked updating WRTVH 77: 3277 daily 0610-0800 1805-2220; 4770 Sun 0655-2245 M-F 0630-0800 & 1555-2300, Sat 0630-2300, 11950 Sun 0625-0930 & 1340-1700, Sat 0625-0815, 11945 daily 1700-2050; 9550 Sun 1210-1400, Sat 1210-1400, M-F 1210-1330, 6075 daily 1810-1945; 11940 daily 0625-0800 (Bob Padula, Australian DX News 4/77)

LESOTHO R. Lesotho, Maseru, 4800 operates in English and Sesotho from 0400; s/off is at 2105 on Mon/Thu/Fri/Sat; 2050 Tue; 2135 Wed/Sun (BBC MS 2/77)

LAOS National Radio Broadcasting Station. Vientiane operates HS in Laotian at 2230-0200 on 6130/3900; 0400-0700 on 7480/7385/6200/6130; 0900-1530 on 7480/7310/6240/6200/6130/4645/3900 (BBCMS 2/77) 4665 is heard at \*1000-1430\* in mid-Mar, ID as "Thini Withayu heng Sat"; 6200 and 6240--likely former 6215--have been untraceable for a long time (Ugusa, FEDXR 25/3)

KOREA NORTH R. Pyongyang HS sked on 6600 at 2000-0830, 1500-1800; 6290 at 2000-0830; 3015 at 1500-1800; 11350/2850 thruout. Relayed by regional stns exc. approx. 2230-2300 (Irreg.) and 0430-0255 (sic) and 1100-1110 when local pgms are on; Chongjin-2695, Hamhung-2775, Hye-san-2302, Kanggye-4030, Sariwon-2670, Sinuiju-2745, Wonsan-3030. These are named e.g. "North Hwanghae Provincial Service" on 2670 (BBCMS 2/77) ISRAEL LN-5

**IRAQ** R. Baghdad - International, sked supposed to be valid thruout 1977; on 2745; 1930-2030 Eng, 2030-2130 Ger, 2130-2230 Fre; on 7180 1900-2000 Rus; on 3225/6030 1900-2100 Turk. On 3225/3960/6095 0800-1100, 1600-1900 Per; 15400 1400-1500 Urdu; 6155 1630-1730 Hebrew. (via W. Noel Brown, MI) This differs somewhat from WRTVH 77 which also attempted to show actual freqs, the ones listed above being subject to considerable variation (gh)

**INDONESIA (SULAWESI)** RRI Gorontalo QSL skeds 3205 10 kW at 0830-1515; said 4900 was 1 kW with 15m high dipole beamed N/S, but no time; heard to 1515\* (Geoff Costler, Victoria, 5/4)

**GUAM** TWR Field Director V. Rodger Groff says "we expect to be on the air from Guam in the very early part of May. We just do not have the exact date established as we are trying to get on the air as soon as possible. We will be testing with simple tones and voice identification before going into our broadcast schedule" and this is the sked projected for J77:

Transmitter A		Transmitter B	
0900-1000	Eng-Jap 11780	Japan	---
1000-1100	Japanese 11780	Japan	Indonesian 11900
1100-1130	Cantonese 11705	China	Cantonese 9520 or 9575
1130-1300	Mandarin 11705	China	Mandarin 9520 or 9575
1300-1330	Laotian 11705	SE Asia	Laotian 9520 or 9575
1330-1400	Cambodian 11705	SE Asia	Cambodian 9520 or 9575
1400-1500	Vietnamese 11705	SE Asia	Vietnamese 9520 or 9575
2100-2200	Russian 15155	Asiatic USSR	---
2200-2300	Japanese 11705	Japan	Indonesian 9530
2300-2400	Mandarin 11705	China	Mandarin 9530
0000-0030	Russian 11705	Asiatic USSR	Vietnamese 11900
0030-0100	Russian 11705	Asiatic USSR	English 11900
0100-0130	---	---	English 11900



(via W. Noel Brown, MI) I suspect we may say goodbye to the TWR-Bonfire English "to FE" at 0035-0135 on 11925 once Guam is in regular operation, or will they call it 'to NAM?' (gh)

**FRANCE** (Cf LN-7) Relays by RFI of France-Inter to C&EEU are monitored as follows:  
 0500-0700 11715 0500-0700 7280 0700-1600 11825 1000-1600 11855 1600-1900 11805  
 0500-0700 9610 0700-0900 7295 0700-2000 9595 1500-2000 7135 1900-2000 11810  
 Also a spurious transmission on 5720; special IDs in French at 155 (BGC MS 14/4 and 6/4)

**ETHIOPIA** R. Ethiopia's Arabic HS on 9610v/6185 1300-1400 (Sun 1400-1500) were discontinued 12/3 with introduction of R. Voice of Rev. Ethiopia; the 2 HF xmtxs go off the air at these times (BEGMS 24/3) R.VRE has revised its sked on 6015/7180 on ex-ETLF xmtxs: 1500-1600 Arabic, 1600-1630 Amharic, 1630-1700 English, 1700-1730 French (BEGMS 14/4 & WRC 20/4)

**EGYPT** Holy Qur'an Station operates on 2755 at 0230-0905, 1200-2100. Other Arabic pgms: Voice of the Arabs to ME/N&Caf/SEU 0300-0600 on 9850/7050; 0800-1400 on 17745/17625/15475 1500-1900 17745/15475; 1900-2430 11630/7050. Palestine Service 0600-0800 17745/17625/15475. and 1400-1500 on same. Sudan Corner 0400-0600 on 9475; 1200-1525 on 15135; 1200-1625 11915 General Program HS 0400-0700 9455/7075; 0700-1300 15175/11785/11630/9495 exc Fri/7225/6170. 1300-1800 17670/11785/11630 to 1700/7225/6170; 1800-2355 17670 to 1830/12005/9850 from 1830/9475/7075 (BEGMS 2/77, which adds that May-Sept operates per DST 1 hr earlier) R Cairo:  
 0045-0200 Sp SAm 9740/9475 1430-1530 Hindi SAs 15175 1930-2045 French Eur 9805  
 0200-0300 Ar SAm 11715/9740 1445-1545 Bengali SAs 17920 2045-2200 German Eur 9805  
 0330-0430 Ar NAm 9475 1530-1655 Persian ME 9550 2330-2445 Port SAm 11715  
 1000-1200 Ar S&SEAs 17920 Urdu SAs 15175 9620  
 1200-1345 Indo SEAs 21465 1700-1755 Russian USSR 9805 2345-2445 French SAm 9475  
 1330-1430 Pushtu ME 15175 Turkish NE 6230 And to Africa, Cairo's  
 1345-1500 Malay SEAs 21465 1830-1930 Italian Eur 9805 Voice of Africa  
 1530-1730 Swahili 9770 1745-1845 Amharic 17725 1930-2030 Fulani 15335  
 1545-1645 Somali 17725 1845-1915 Zulu 15255 1945-2045 Lingala 17890  
 1600-1645 Zulu 17785 1845-1945 Portug. 17890 2000-2100 Bambara 15375  
 1645-1745 Shona 17785 1900-2000 Wolof 15375 2030-2200 French 15335  
 1645-1745 Zulu 17725 1900-2100 Hausa 15210 2100-2200 Arabic 15375  
 1745-1845 Ndebele 17785 1915-2000 Nyanja 15255 (BEGMS 3/77) Yoruba 15210

**ECUADOR** HCJB as from March has considerably expanded its broadcasts to NAM in weird languages: 15115 after English to 1630 sked with Czech, 1700 French, 1730 German; 15375 at 2230 Russian, 2300 German, 2330 Japanese, 0000 German. 15300/11885 at 0130-Russian, 0200 French. More or less, as M77 Fq sked and Intl Pgm Sked contradict each other (gh)

**CYPRUS (TURKISH)** R. Bayrak, a commercial stn, operates on 6140v (e.g. 6137) at 0424-2100, in Turkish, Greek, English (BEGMS 3/77; 10/3)

**CHINA** R. Peking broadcasts, observed since seasonal adjustments on 20/3; to Taiwan, 2000-0610 (Sun to 0705) and 0830-1903:  
 15880 0015-0610, 0630-0959 9170 2200-0610, 0830-1437 4770 2000-2314, 1300-1903  
 15710 2350-0610, 0030-1114 6790 2000-2414, 1000-1903 3830 2000-2159, 1438-1903  
 11100 2315-0610, 0830-1259 5125 2000-2349. 1115-1903 (BEG MS 6/4)  
 Latest skeds for other Peking-Taiwan, and HS follow on LN-5...by popular request.

GHINA (contd) PLA Fukien Front sked:	2490 1200-0118	6000 0230-11 9	3400
Net-One 1000-0530	5265/2245-0530	4045 1000-0530	5770 0230-0944
7850 0159-0530	5240/1000-1259	Net-2 0230-1900*	5170 0230-1254
1000-1059	4330 1100-0158	8195	4840
6765 0119-0530	3640	7280	0230-1119
1000-1200	3535/1300-2244	7025	4380
5900 2315-0530	3000 1227-2314	6400	0230-1127
			4140 0945-1900
			3900 1128-1900

R. Peking HS for national minorities: Uighur 0030-0125 9920/8565; 1300-1355 8565/6645, relayed by Wulumqi 7050/4110, Kazakh 0130-0225 9920/8565, 1400-1445 8565/6645, relayed by Wulumqi 5440/4970, Korean 2130-2225 6430/4620, 0400-0455 8260/6430, 1000-1055 6430/4620, Tibetan 2330-0025 9920/8565, 1100-1155 8565/6645, relayed by Lasa 9655/9490/4035 at 1100, Mongolian 2230-2325 5915/4190, relayed by Hailar 6080/3900; 0500-0555 6645/5915, relayed by Huhehot 4895/4068, Wulumqi 5060/4220, Hailar 6080/3900, Tungsheng 6045, Silinhot 7200; 1200-1255 5915/4190, relayed by Huhehot 4895/4068, Hailar 6080/3900, Tungsheng 6045, Silinhot 7200

R. Peking HS Pgm I	*not Fri 0500-0800	7095 1100-1735	5320 0845-1735	(BBC MS 8/4)
2000-1735 exc. Tue	11330 2315-1230	6750 2000-0100	Tue 0840-1735	3220 2000-2314
break 0600-0845	10245 2302-0100	1100-1735	4905 2000-2300	1231-1735
17605 0431-0725	1100-1230	6225 2000-0100	1131-1735	11920
15600 0021-0930	9080 2000-2300	1100-1735	4800 2000-0100	9064
15590 2331-1040	2301-1130	5880 2000-0100	1100-1735	7504
15550 0101-0845	1131-1735	1100-1735	4460 2000-0020	6665 thruout ex
12420 2301-0430	7935 2000-2330	5860 2000-0100	0931-1735	cept Tu 06-0932,
0726-1130	1041-1735	1100-1735	3450 2000-2300	Fri 0455-0932
12120 2301-0800*	7095 2000-0100	5320 2000-0100	1231-1735	(BBCMS 31/3)

R. Peking HS Pgm II	2100-1600; Wed/Fri 2100-0600, 0950-1700;			4250 2100-2400
15030 2300-0800	9670 0700-1100	7770 2100-0130	5163 2100-2400	1031-1600
12200 0101-0900	9510 2100-2400	1000-1600	1101-1600	3290 2100-2243
11505 0131-1000	0700-1600	W/F 0950-1600	5075 2100-0100	1201-1600
11040 0001-0900	9020 thruout	7190 0000-1030	0901-1600	(BBC MS 31/3)
10260 2243-1200	8010 2100-2400	6345 2100-2400	4850 2100-2400	
9745 0700-1115	0700-1600	0901-1600	1116-1600	

CAMBODIA At mid-Mar check, Democratic Cambodian Radio's experimental freq 11938 hrd daily at \*1200a-1300a\*--occasionally to 1500\*. // 4908-9; opens and closes suddenly with ID. But 9697, formerly used \*2300-0000v\* untraced in Mar (Ugusa, FEDXR) Measured 11937.6 13/4 (gh)

BULGARIA R. Sofia has made many changes; 9560 is used simultaneously for English and Arabic at 2030-2100. (BBCMS 24/3) In the following sked, BBCMS indicates only 6070 at 0130-0400 is a R. Moscow relay, not having caught on about 5915/7115. 9705 Nam 2330 Bul, 0000 Eng, 0100-0130 Bul. 9560/7255; Sim 2200 Port, 2230 Sp, 2300 Bul. 2330 Sp, 0030 Bul, 0100 Port, 0130 Sp, 0230-0300 Port. 7670/7255/6085/6070 Eu; 0400 Gk. 0430 Alb; exc. Sun; 7670/7255/7115/6085/6070/5915 0500 S-C, 7115/6085/6070/5915 0530 Turk, 0600 Gk; 7115/6085/5915 0630-0700 SC Sun; 7670/7255/7115/6070/5915 0500 Gk, 0600 Turk; 7670/7255/7115/5915 0730-0855 S-C; 11970/9700/7255/7115/5915 0900-1000 Gk. Rest daily; 11970/9700/9550/7115/5915 1000 Turk, 1100-1125 Gk. 15310/11765/9700 1130-1230 Arab. 7670 1530-1600 S-C. 7670/6085 1600 Alb, 1630-1655 Gk. 9700/9560/6135/6070 1600-1700 Turk; 9700/6070 1700 Ital, 1730-1800 Germ, 1830 Fren, 1900 Ital, 1930 Eng-2000. 11765/9560/7670/6160 1700-1755 Arab; 7670/6160/6085 1800-1830 Alb 17825/11765 Af 1830 Eng, 1900-1955 Fren. 9560/7670/6160 1830-1900 Turk. 7670/6160 1900 Bul 1930 Gk, 2000 Alb, 2030 Gk-2100. 9560/7270 1900-2000 Turk; 9560 2000-2100 Arab; 7270/6070 2000-2100 Germ. 11765/11730/9560 Af 2030 Eng, 2130-2155 Fren. 7670/6070 Eu 2100-2130 Fren. 9530/7115 2130-2200 Eng; 7670 2130-2200 S-C; unconfirmed; 2200-2225 Bul. 9700/7670 2200-2230 Ital. 6085 2200 Port, 2230-2300 Span. (BBCMS 3/77) Sorry abt format; but, all there.

AUSTRALIA Freqs may have changed, but as of M77, R. Australia retired Vietnamese to 2230-2330 (ex 2230-2300, 0000-0030) 11935/9700. Thai to 2330-0030 (ex 2300-2330, 0030-0100) on 15205/11935. French to 0030-0130 (ex 2330-2400, 0100-0130) on 15205/11935 (BBCMS 3/3)

ISRAEL (late) IBA J77 Hebrew HS; 0400-0610 15545/12077/9355; 0610-1030 15545/12077; 1030-1400 17630/12077; 1400-2000 15545/12077; 2000-2305 15545/12077/11625/9355 (DX Corner 24/4)

**TIME JUMPS**

22 Mar-22 Oct; UKOGBANI & Eire GMT +1; 27 Mar-24 Sept; Portugal +1; 3 Apr-24 Sept; Canary Is +1, Spain/France/Belgium/Holland/Luxembourg/Poland all +2; Greece 3; Cuba -4, 3 Apr-15 Oct; Turkey +3; 17 Apr-17 Sept; Malta +2; 24 Apr-29 Oct; Bermuda -3; Bahamas/Jamaica/Turks & Caicos all -4; 1 May-3 Aug; Morocco +1; 1 May-31 Aug; Syria & Jordan +3; 1 May-30 Sep; Albania +2, Lebanon +3, 22 May-24 Sep; Italy +2. (exclusive, NZ DX Times 4/77) And as of 21/3, Iranian new year day, 4+2. Switzerland and GPR not GMT+2 until 22 May. 3 Apr-16 Oct Turkish Cyprus +3. Chile left DST 12 Mar to become GMT -4 (BBC MS)

SRI LANKA (late) SLEB English; 0030-0230 6006/9720/15425; 0230-0430 9720/15425; 1230-1730 6075/9720/and 15425 closes earlier--1445?; 1030-1130 11835/15120/17890; 1845-1945 11955/15120 (Oliver T. Goonawardena, SL, RA DX 24/4 copied with some difficulty by gh)

MISCELÁNEA RADIAL

(I've been trying to remember where I got the idea for this title; now I see a Vozandes pgm 2000-2100: gh)

ZAMBIA Someone on the same course as me installed the xmr for 4911. He says 4911 is the allocated fq, the ant. is omni on 4911, but there are 2 dipoles for other services beaming south, and the xmr is a gift from the Chinese govt (Andrew Kerr, UK, DSWGI SW News 4/77)

ZAIRE Lubumbashi radio operates on 7205, at times relayng VOZ-Kinshasa (BBC MS 6/4)

VIETNAM Careful on the name; WRTVH lists as Socialist Republic of, while sked they sent indicatives Democratic Republic of. Hrd w/Russian & Eng lessons 6435 1405-1430 (Poppin, CA)

VENEZUELA YVLG, R. Visión had emphatic ID L207 7/3 on 2440, mentioned Noti-Rumbos (S. Mik-lejewski, MN, SPERDX) WRTVH 77 listed inactive. That Visión & Rumbos different nets (gh)

USSR As Satoshi Wakisaka visited 10/4 we caught some interesting harmonics; Radiostantsiya Tikhly Okean on 2865 at 0750, 3 x 9621; also see Philippines (Gib Junqua, Japan)

USA Travelers' Information Service (TIS) is a new radio concept being considered by the FCC. Xmrts up to 10 watts would be authorized on 530, 1606 and/or 1612 kHz to provide travelers info on weather, gas, food, lodging, etc. For instance, my list shows 100-milliwatt stns on 1606 kHz in Tennessee designated Andrew Johnson @ 36.09N/84.50W; Ft. Donelson @ 36.28N/75 00 W (sic); Shiloh 35.00N/88.21W; Stone Reserve @ 35.52/86.25; "MRNTRLS NATCHEZ" @ 35.30N/82.28W (MIKEHARDESTEROKINAWA) Not heard here; those defining SW starting at 1605 kHz will have to include these, unless they can shove them into the ute category, non-BC (gh)

UK/USSR Simferopol's horrendous spurs every 30 kHz from 7355 ceased abruptly 1/4; at times they were so bad they covered BBC 7325 (Larry Magne, PA) And bothered Israel-7412½ (gh)

TAIWAN (?) (Cf Apr LN-7 THAILAND) On 23/3 I hrd a stn on 1700, and measuring the freq, found it no longer on 1700.5, but 1700.008 or so, so probably a different station. Several times it played a 60-to-90 second version of "Stars & Stripes". The woman announcer would repeat some phrases twice in the 1303-1325 period; still no definite ID (Hardester, 23/3) Last yr I heard an uID or 1700 around 1500, in Chinese or Chinese dialect, mainly popular song, including old Jap pop mx, to 1600\*. I think it was Hong Kong Commercial Station (2 x 850) or Taiwan stn (Satoshi Wakisaka, Japan, 8/4) Well, I did go into listening to the tape with a mind-set toward Thai, and may have let some cognates fool me into thinking it was Thai (gh)

TAHITI Some R. Tahiti pgms are heard in SSB on 4975 via a ute xmr // 6135 to 0730\* (Bryan Clark and John Durham, NZ DX Times 4/77) On 4976, maybe ex-3232 (Bob Padula, ADXN 4/77) AM?

SWITZERLAND QSL for 3985 gives site as Lenk, in the Bernese alps; another 250 kW is at Sarnen on 9535; 6165 is Beromunster (Geoff Gosler, Victoria, 5/4) These are omni, and thus referred to as serving 'other parts of the world' than beamed xmsns from SBC (gh)

SURINAM SRS, new on SW 4780, noted 6/4 0110 tune in with much Dutch, English songs, played mostly in part; 0312 'a special HI to DXers all over the world'; SINPO 3333; 0321 anthem and off air abruptly (Jerry Stuart, OK) Hrd here in Dutch 2/4 0938to f/out 1000, with Dutch news 0945--my best ever logging (Gosler, Victoria) Hrd poorly 0050-0331\* (Hadley Cress, VA) 25/3 0225 had English ID and asked for reports (Jack Jones, MS) 11/4 0320-0331\* frequent DT TGs 'before midnight' proving Newfie isn't alone with its weird timezone (gh)

SUDAN Omdurman HS observed on 9508 // 11835/7200 (BBCMS 10/3)

SRI LANKA Loud and clear, fantastic reception for 2 hrs 5/4 1520-1732\* on 11800 (Poppin, CA)

SINGAPORE Same goes for Singapore 11940 6/4 1500-1631\*, excellent oldies (Geo. Poppin, CA)

SEYCHELLES FEBR, on 11850 in mid-March 0300-0445\* now faintly on 11845, frequently mentioning Islamabad, Pakistan (Hadley Cress, VA, 9/4) Weird that a Christian pgm would have its HQ in Islamabad, or is it, Gregg? (gh)

PORTUGAL A letter received 21/3 from R. Portugal says '4865 is not Ponta Delgada but of Radiodifusão Portuguesa at present transmitted to the Azores on trial' (Mike Hardester, Okinawa) Now closes 2405v, ex-0110v\* (Pitt McNeil, DC, 11/4) This does not explain the off-the-air news relay reported by Hauser in FRENDX (SWNS 4/77) In retrospect, I think it must have been a correspondent report already 'off-the-air' when taped at Lisbon (gh)

PHILIPPINES R. Filipinas hrd around 0800 on 28736, 3 x 9578.6. Very interesting catching these things way up in the outer reaches of the SW spectrum (Wakisaka & Junqua, Japan, 10/4)

PAPUA NEW GUINEA NBC has begun commercial broadcasting; my reporters hear Coke and other ads, tho I've just heard PSAs. On 2/1 NBC said the question had not been resolved in Parliament, but it looks like it has been now (Bob Bodell, OR, 16/3) Goodbye Stone Age (gh)

NORTH SOLOMONS (Cf Mar LN-5) One of the conditions by which Bougainville remained within PNG was that the province would become known as the North Solomons... (Gib Junqua, 16/3)

NIGARAGUA Open carrier on 5945, seems always here around late March, Nicaragua hrd faintly beneath couple of times; a jealous, enraged ute perhaps? (Jack Jones, MS) Or maybe it's Nic with modulation problems? (gh) On 5955 19/3 0420-0501½\* 16/3 5915 (Poppin, CA) Sure not mocú? # Ecos de las Brumas 2919.4 wavers, 26/4 0322 3 IDs, 2 x 1459.7 (gh)

LIBYA Per QSL, 6185 and 11755 are each 100 kW, but I believe 6185 is currently 500 kW; 11755 not heard here for ages, either (Geoff Cosier, Victoria) KAZAKH bottom

LEBANON Since 13/3, Beirut Arabic HS in an evening has been on 11905 ex-11915 (BBCMS 17/3)

KOREA SOUTH KBS is playing ping-pong game, hi. In Nov, Jan and April is on 3930; for about 10 days in Dec, and in Feb, Mar was on 3918 (Satoshi Wakieaka, Japan, 8/4) Tho they still ID as "KBS" it's now officially the Korean Broadcasting Corporation (Y. Hayashi, FEDXR 25/3)

JAPAN Seattlebutt indicates VOA Okinawa to be closed down near future; noted on 7165 at 1330 (George Poplin, CA) Yes, to be history by 14/5...if they bothered to go into J77 on SW the sked for which has not arrived, but see Mar LN-3 for the sked up to 30/4 (gh)

ISRAEL IBA is to run all-night 17-18 May with election results -0345; planned to mix Hebrew, French and English but I suggest separating them. Channels not yet determined, but should be on known IBA frequencies, possibly 11625 or 12077½ for Hebrew (Larry Magne, USA) A similar thing occurred 20-21 April for Independence Day, but all-Hebrew; they used 11625/9009/7465 then. This is a good chance to assess reception during the eventual 'prime-time' (gh)

IRAN NIRT on 15260 Farsi 0600 // 15084 3/4, no sign of 9022 etc. (Cosier, Victoria)

INDONESIA Letter from RDK Serang says they use an Indo-made 1 kW xmtr on 3105 at 0400-0730, 0900-1600, 2245-0200. Burhan Nursaih adds this explanation of the three kinds of radio in Indonesia: 1) RRI--under the Dept. Penerangan/Dir. Gen of RRI-TV; they are in large cities like Ibu Kota Propinsi and Daerah2 Istimewa. 2) R Daerah Kabupaten, under the Dept. Dalam Negeri, in Ibu Kota Kabupaten, etc., intended for local BC. 3) R. Swasta Niaga, commercial stations (Toshiaki Takehara, JADX News Sheet 10/3 via FE DX Review)

(SULAWESI UTARA) RRI Gorontalo now on 3205 to 1520v\*, regular, letter says 10 kW omni; On 3215 RRI Manado now heard to 1330\* //5987, don't confuse with Ujung Pandang around 1400 (Mr Takamatsu, Japan, FEDXR)

(IRILIAN JAYA) Stn on 4755 after 0900, RRI Jayapura news at 0930; bad 4756 ute QRM prevents ID, since 1/4; still //6070 after nx unlike 4790/4875, indicating that this possibly is RRI Jayapura (Cosier, Victoria)

(TIMOR) RRI Kupang back on 3550 ex-3385; hrd 6/3 after few days on 3385 (Cosier, Vic.)

ICELAND Reykjavik 12175 finally logged after 3 years of trying! After PTP marker 1158 4/3, into HS relay 1203, piano, nx 1225, 1300 back to PTP. Much QRM from Moscow SSB feeder on 12175 and occasional BBC PTP 12175.5, but very good during quiet spots (Cosier, Victoria)

(not GUAM) (Cf Apr LN-6) The 11850 stn always in Chinese; hrd at earlier hour in English and was definitely FEBC. (Junqua) Not sked on 11850 anymore at 1426, but 11915 Mandarin, 11855 English (via Overcamp & Rabone)

GILBERT ISLANDS R. Tarawa is able to resume xmsns temporarily with a SW xmtr kindly offered for use by the Ministry of Communications Works & Utilities. This is a commercial transmitter and cannot produce quality music. Our sincere apologies to our music fans, but we hope they will understand, and that our own transmitter will soon be repaired (The Atoll Pioneer, Tarawa, quoted in the Pacific Islands Monthly, 2/77 via Steve Moss, CO, and Bob Bodell, OR) Frequency??:! 4912½ unlikely (gh)

GERMANY WEST Reorganization of East European services of DW and DLF has caused a lot of trouble, and the WG press speaks of direct Kremlin interference. Since Solzhenitsyn's Gulag Archipelago was read over DW, Russia has protested repeatedly of 'cold war' programming. Now the Polish, Czech, Hungarian pgms are produced by DLF which is more influenced by the Bonn coalition, while DW has the less politically significant Roumanian and Croatian programs. The present director of the Russian service, Mr Botho Kirsch, is to be dismissed but this has aroused so much public protest that a decision has been delayed (Thomas Drescher, WDXG Contact, 3/77 via SWNS)

FRANCE (This goes a long way toward explaining RFI's reason for no Eng to NAM -gh): France Inter 24/3 carried interview with RFI director Albert Aycard, about resumption of BCs to EBU as of 1/4: "We shall be transmitting towards the East 15h per day, but in French. We shall not be participating in that harsh radio war... We shall ensure a cultural presence and a presence of our language. As far as Moscow, Athens, in the whole of Europe from the Atlantic to the Urals, it will be possible to hear French during the whole day. We shall not make propaganda, because we shall be transmitting national programmes, not programmes specifically addressed to these countries. It will be possible in all these countries to hear in French what we say every day..." (Cf LN-4; that's a lot of bureaucratic bull-do, as I'm sure France was already easily audible thruout EBU on LW, MW and other SW services -gh) During April, IDs in Polish, Romanian, Russian, S-C were to be included; and from May, live relays from the 3 R. France HSes; and this summer, four daily 15-min newscasts in French containing info of interest to EBU will be introduced (BBCMS 31/3) France too is broadcasting on SSB. R. Monte Carlo feeder to Cyprus MW relay on 15662 around 1730 and earlier, the frequency may change, Arabic anmts but western pop mx; France-Inter, very clear on 13715.2 at 1825 with sports (gh, Review of International Broadcasting 7/4) 27/3 and 3/4 respectively.

KAZAKH SSR R. Alma-Ata 11950 remarkable signals at \*0000 anthems, billing IDs (Wood, 19/4)

## LWF's 'Radio Voice of the Gospel' is seized by Ethiopian government

THE LUTHERAN WORLD FEDERATION's powerful radio station at Addis Ababa, Ethiopia, was taken over March 12 by the military regime which now controls the country. The 200,000-watt short- and medium-wave transmitters of the "Radio Voice of the Gospel" can reach an estimated one billion people in Africa and parts of Asia. Nine hours after the takeover the station was back on the air, identifying itself as the "Radio Voice of the Revolution in Ethiopia."

The 200 staff members, including some 30 Europeans and Americans, were reported safe. The Rev. Manfred Lundgren, a minister of the Church of Sweden who is station director, said there was "not any pressure" to repatriate the foreign staff and that "negotiations continue in good faith."

Operations of the station were being conducted by employees of the Ethiopian Ministry of Information and National Guidance. The only explanation given by the government was an official announcement that the takeover was in line with the official policy of treating all religions equally.

The station, erected in 1963 at a cost of \$1.7 million, normally carries a mixture of religious programs and news broadcasts, plus educational programs on hygiene, literacy, agriculture and the arts. Programs are prepared in 15 studios in various parts of Asia, Africa and the Near East. They are broadcast in a dozen languages. Only a small amount of the programming is intended for Ethiopia itself. Operating budget for the station in 1977 is \$1.5 million, of which \$250,000 comes from the World Association for Christian Communication and the rest from LWF funds.

Two days after the seizure of the station, Lundgren reported that "operation has been reduced to evening transmissions in four languages." He said some of the foreign staff were giving "professional assistance" to the Ethiopians. Dr. Carl Mau, LWF general secretary, and the Rev. Holger Bennetson, chairman of the station's advisory committee, reached Addis Ababa shortly after the station was seized, to discuss the implications of the government's action. African sources held little hope that the station would be returned, however, and said the action of the government was not unexpected. A Lutheran "media center" in Addis Ababa was also reported "nationalized."

The station had strong support from

the late Emperor Haile Selassie, who was dethroned by a military coup in 1974. The 50-member military junta which took over the government had pledged to establish a one-party socialist state in Ethiopia. In its initial crackdown the new rulers imprisoned hundreds of church leaders, including some from the indigenous Lutheran Mekane Yesus Church. It was surmised that the Marxist group wanted to use the station to broadcast its own material.

It was expected that the "cooperating program studios" which prepared tapes for broadcast to their particular areas would become communications centers for their sponsoring denominations. This plan had been suggested several times in recent years.

In addition to its broadcasting operations, RVOG had conducted vocational training programs in broadcasting for Ethiopians and had also provided opportunities for the station staff and the staff of the area studios to learn more about mass communications.

(via Howard Louderback, FL)

Macias Nguema Bilyogo Negue Ndong, Chinese Ambassador Hu Ching-ju and other notables. Work on the station began in 1/75. NCNA did not mention its operational frequency (BBC MS 17/3)

**ECUADOR** How many people are there in NAM who listen to SW, speak Russian, and are ripe for conversion to HCJB's religion? Enough for HCJB to start a daily half-hour in Russian at 0130-0200 on 15300, and hrd 22/3 on 15 other freqs. approx. 14849/14905/14961/15019/15075/15130/15187/15244/15356/15411/15469/15522/15581/15638/15693 Some strong, some weak, most with readable audio tho BFO showed wavering FM carrier. All these spurs are approx. multiples of 56 kHz separation from 15300, so this is likely mixing problem with FM STL subcarrier. Not the first time (cf Mar & Apr LN-5) HCJB has messed up more than an entire SWBC band (gh) We were aware of a spur problem on the 15300 for a very brief period. I think the situation has been dealt with. We can find no further problem at present (Roger Stubbe, HCJB, 30/3) In contrast, harmonics from HCJB are rare indeed, but besides appearing on 18150, 6050 xmtz hrd barely on 24200 (x4) 2020 23/4 (gh) R. Costa Azul, heard on 4950 at 0555-0605 14/3 (Greg Viscusi, France, SWN) Rarely rep'd (gh)

**DOMINICAN REPUBLIC** R. Samaná's harmonic on 3160 has been noted at SWNS HQ to 0155\* (SWNS 4/77) 2 x 1580 (gh) RTVD pounding in on 9505 recent evenings; must have been inactive (gh) "We were told that R. Neyba has been heard in the USA on 4896; we do not broadcast there, but we even received recordings where that station's programs can be heard very weak. Recordings were sent to us from different places, including the GFR. Maybe it's possible, but we were surprised." (Rodolfo Lama Jaar, Barahona, cousin to Victor C. Jaar PQ, 18/4 who adds that Rodolfo's firm "Empresas Radiofónicas SA" owns MW stns HICV/HIMR/HIPK/HIPZ. HICV, R. Barahona seems to have a license for 4930, HI5V, per Rodolfo's letterhead. 4930 was R. Mill's outlet in the past)

**CUBA** R. Rebelde-590, incredibly on 17th harmonic 10030 logged 23/3 at 1259 ID. Not found on 9440, 10620 or 11210, which were QRM'd unlike 10030 (gh) Also on 2950, 5 x 590 with Voz de Cuba pgn // 590 at 0522 6/4; and an unID Cuban on 2860 0454 6/4, no MW // found, but may be 2 x 1430, your unID in April LN-10? (Terry L. Krüger, FL) Maybe (gh) HAITI also on 2950 (gh)

**COSTA RICA** TIPC is now using 5055 kHz // their others (Dir. Alvaro H. Muñoz, via Adam Gaffin)

**COLOMBIA** Ecos del Combelma, new on 19501.2, 2/4 2300 ID, 4 x 4875.5 (gh)

COOK ISLANDS A critical report of the Cook Islands Broadcasting & Newspaper Corp.: "On the radio side, the equipment is so bad that the announcers bring their own records and cassettes. They also supply their own cassette players, because the wonderful studio does not own one. The tape recorders are so old that you never know if the program is being recorded properly or not." (Cook Islands News via Pacific Islands Monthly 2/77 via Steve Moss, GO and Bob Bodell, OR) Well, anyway it's not all relays from RA, RNZ, etc., it seems (gh)

CHINA (Cf Apr LN-5) More on R. Peking's backward Russian: I'm wondering if this might not be a feed to Tirana for re-broadcast, an unscheduled xmsn to the SU not shown in WRTVH. Many times idiocy brings comment, so idiotic things are done. Could this be one such instance? (Jim Conrad, IA) I read somewhere that this was to allow repeaters to tape the program, then to replay it without rewinding tape (David L Ames, MA) How about this?: (gh) This is done to avoid Soviet jamming. The pgms are intended for the Chinese province stations at the Soviet border, which do not have facilities to get the programs via landbased xmslnes. The province stations tape the pgms and retransmit them--forwards--with strong xmts to the USSR (FE Economic Review via Danish newspaper "Aktuelst" 26/1 via Carol Feil, SWN 4/77 who adds:) Seems unplausible. Why wouldn't the Russian jam these to prevent retransmission?

I've sent R. Peking reception reports on 41 frequencies, asking for freq sked for easier ID of regionals; received a 'thank you' form. They are most cooperative and pleasant, but be damned if they'll QSL a Russian or other language reception report. I will keep striving however. Comes the day! (George J. Poppin, GA)

CANADA CHNX-6130 is back after one year off, noted 1/4 (Pitt McNeil, DC)

BURUNDI Per a decree law issued 28/2, the state alone is authorized to control broadcasting to the public (BBCMS 10/3) Negotiations are now going on between R. Cordac and the authorities to determine whether our station will be allowed to remain on the air as a Christian broadcasting ministry. In the meantime, we are being allowed to continue our broadcasts pending the outcome of these negotiations. Please remember this special request in prayer. (R. Cordac, 15/3 via SWN) R. Cordac has been nationalised (Arthur Cushen, NZDXT 4/77) R Cordac heard just below 4900 at 0406 2/4 with religious choral song, man talking in vernacular; weak but no QRM (Pitt McNeil, DC, Tropical DX Newsletter)

BURMA BES moved off 5040 to 5985 on advice of ITU due to QRM on 5040 (BBC MS 6/4)

BRAZIL R. Cultura de Sergipe is heard at 0030 on new 4775 tho other stns are listed here (Jan Tuner, R. Nederland 14/4) R. Carajá, Anápolis GO, has been fined for using incorrect frequencies thus QRMing other stns (BBCMS 31/3) Is there a Brazilian on 9612?? I once had an UNID there, and now I've heard, 10/4 at 2045, 2125, sports coverage on 2883, 3x. Or, it could be 6 x 4806; or 9 x 3204; or even 2 x 14418 if a feeder, unchecked (gh)

BISSAU (GUINEA) Not noted on 4780 lately. BENIN running all-night still 4870 (Pitt McNeil)

AUSTRALIA RA reported 11/3 that the Carnarvon xmts would remain off air for 24h while the towers were lowered to prevent damage from an approaching cyclone (Bodell, OR)

ARGENTINA R. El Mundo again hrd on 18670 13/4 0058, all talk past 0200, still detectable at 0230; just a touch on low side of freq; not harmonic; what're they doing here? (gh)

ANTARCTICA AFAN seems to have left 6012 (Pitt McNeil 12/4) No, AFAN is still on 6012. 13/4 at 0910 (Pitt McNeil) AFAN did not change from 6012 to 7215 last month, and is still heard well around 0950 with full ID (Arthur Cushen, NZ DX Times 4/77)

(Broadcasting 14/3 Sidel. TN)

## FUTURE PLANS

UK Big Ben is expected to be back in action 2nd week of May (BBC 23/4)

SURINAME SRS is planning a SW service on 15450 (Wouter Martijn, Benelux DXC, 1/77) Old AVROS freq; will 4780 suffice? (gh)

SINGAPORE Construxion is underway for relocated BBC FES. Tests are not expected for some months (Adrian Peterson, ADXN 4/77)

SA'UDI ARABIA The Islamic States Broadcasting Union proposed 27/3 in Abu Dhabi to set up in Mecca 'Sawt al-Islam'--the Voice of Islam, controlled by Moslem thinkers, to propagate Islamic principles and defend Islamic issues, per Riyadh Radio (BBC MS)

PORTUGAL TACC reported 4/3 that the RFE/RL contract for use of transmitters in Portugal had been extended for a further 16 years (BBCMS 10/3)

PAPUA NEW GUINEA The first elections since independence will be late May/early June (Bodell)

NIGERIA Per letter from NBC Lagos, NBC plans new BC stns in the capital of each of the newly created states: 1) Abeokuta, Ogun; 2) Akure, Ondo; 3) Banchi, Banchi; 4) Makurdi, Benue; 5) Minna, Niger; 6) Owerri, Imo; 7) Yola, Gongola. (Satoshi Wakisaka, Japan, 8/4)

LESOTHO BBC to supply HF xmttr in exchange for airtime to improve S/f coverage (SGDX 26/4)

IRAN During the coming year there would be an additional 200 hours of radio programs in Teh ran; and an increase of about 6000 hours of radio programs in other cities (BBCMS 3/3)

## Raising voices

President Carter is expected soon to ask Congress to appropriate \$48 million for additional transmitters for Voice of America and Radio Free Europe/Radio Liberty Plan, submitted to White House shortly before President Ford completed his term, was produced by representatives of various cabinet officers and international broadcasting groups. It calls for 28 new transmitting facilities--11 for RFE/RL in Europe and, for VOA, five in Europe, eight in western Pacific and four in Africa.

INDIA Delhi GOS says the government is considering a proposal to convert AIR into an autonomous corporation (BBCMS 14/4)

FINLAND We hope to be able to tell about Finland in several languages in the future (sked)

CENTRAL AFRICAN EMPIRE If the country is to revert to its old name, it would be Oubangi-Chari (Ubangi-Shari in English) (Victor C Jaar, PQ) As we philatelists know, hi (gh)

AZANIA R. RSA's new 500 kW xmtr installation is almost complete. Tests are to commence shortly, but depend on antennae facilities being available (Bob Padula, ADXN 4/77)

AFARS & ISSAS Reportedly, plebiscite to take place 8/5 and independence 27/6 (Victor Jaar) Independence set for 1/7, per AP (Weltweit Hören, via SWN 3/77) Check 4780 for returns (gh)

## CLANDESTINE CRANNY

V. of the Rev. Party for Reunification has dropped Th 1230-1250 BC to US compatriots (BBCMS 3/3)

V. of the People of Thailand sked on 9423/6033 after slight changes 1/3, 50 min programs at: Thai, 0900/0500/1000/1200/1530/2300; Laotian 0400/1100/1430; Mung=White Meo Tu/Th/Su 0000 & 1300. Thai ID: "Thi Ni Sathani Vithayu Sieng Prachachon Heang Prathet Thai" (BBCMS 3/77)

Voice of Burmese People sked in Burmese Tu/Th/Fri/Sun 1330-1430 on 6304, repeating the 1200-1300 xmsn on 5110 (BBCMS 6/4) The latter xmsn is yet unidentified (Ugusa, FEDXR 25/3)

Voice of the Malayan Revolution, Changsha, Hunan, China, said from 9/4 it would use 15790/11830 instead of 9620 in Malay at 0430-0515, 1030-1115, 1245-1330; prob. rest too (BBCMS)

R. Echo of Hops, 6348, to N, Korea daily 0200-0505, 0900-1205, 1230-1535. The last two are repeats of the first; opening amt: "REH will serve as a bright beacon for peaceful reunification and national harmony desired by the 50 million brethren and as a guide for a hopeful morrow" (BBC MS 3/3)

R. Magallanes, the Voice of Chilean Patriots, via R. Moscow, at 0200-0230 and retimed 1000-1030 both on 15455/15170/12070/12020; 1000 also on 17855 (BBCMS 17/3)

Voice of Arab Syria is still on at 1800-1900 but on 6060 ex-6170; repeated 0500 and 0800, all three on 6060, and morning repeats are also on 9510 (BBCMS 3/3)

V. of Palestine, V. of the Palestinian Revolution via Cairo 1800-1930 on 7050 (BBCMS 2/77) Jerusalem TV reported 23/2 that VOPVOPR suspended xmsns without notice 3 days earlier 'as its installations /on 1515 kHz/ had apparently been seized by Syrian troops in Lebanon. It was announced on the 1700 Arabic pgm via Algiers 26/2 that French would be added (BBCMS 3/3)

Voice of Lebanon on 6850 has added Armenian 1530-1600; Arabic 0530-0930, 1100-1530, 1715-2030. Arabic ID: "Huna Sawt Lubnan, Sawt al-Hurriyah wa al-Karimah (BBCMS 3/77)

Voice of Free Ethiopia & Voice of Eritrea Revolution began via Omdurman 24/2, curtailing some Sudanese programs. VOFE in Amharic: Sun 0630-0700 on 5038, Sat 1230-1300 on 6150/5038, Mon-Fri 1600-1630 on 6150/5038. VOER in Arabic/Tigrigna at 1500-1600 on 6150/5038 (BBC 3/3)

R. Tanzania transmits various African political pgms 1815-1900 on 15435 (BBCMS 14/4)

European Pirates The "R. Nordsee International" now on 6225 is not the Bebo-bourne xmtr, but a hobby pirate, ex-R. Sovereign International (Roland Höller, GFR, SGDX 5/4) R. Rastafari International, a Dutch-based land pirate, address Arnhem, ex-6277, but now 103.5 FM. is planning on giving airtime to the Southwest Africa People's Organization (SWN 4/77) Stations heard in Ireland to 22/3: 6202, R. Valleri, Dublin, 1000-1200 weekends, 40 watts; 6210, R. Maniac, Essex, 1215-1335; 6225, RNI (as above) 0900-1000 750 watts, in England. 6230, R. Andorra/WMR, every Sunday, Dutch only, 0900 past 1400. 6238, R. Gemini, England. bizarre wacko skits, 1000-1100\*; 6265, European Music Radio England, 0930-1000, 1130-1230, 50w, Surrey. 6270, ABC England, Cambridge, 1115-1130, DX pgm, 40 watts; 6280, R. Solent City International, Isle of Wight, 1000-1045\* (Andy Robins, Galway, who includes much more details and addresses for these and others, I will supply for SASE & 10¢ xeroxing -gh)

American Pirates On 1617.8, 24/3 0705 Wolfman Jack tapes, WMYQ-Miami Alncheck, drifted to 1617.6 by 0712, off at 0729; location unID (Robert L. Foxworth, NY, TDXN)

Españoleros 30/3 on 7341, numbers, woman ancr, Spanish, continuous 0606-0623\* Signal steady 80-85 db on HRO-500 meter, equivalent to 5 kW local on 550, 5 km away. No other xmsn on band above 40 db; a few seconds after s/off, came back on at only 15 db (Cress, VA)

## DX PROGRAMS

USA (Cf Apr LN-9) KGEI has a DX session Mns 0710-0720 on 5980 (Arthur Cushen, NZDXT 4/77) If KGEI has a DX pgm on its Japanese xmsn it sure as hell is not on Tues, as per Mar LN-6; listened to whole xmsn (Junqua, 11/4)

SOUTH AFRICA R. RSA invites DXers to contribute any material they may have for a series of DX programs on broadcasting stations in Africa. Also, listeners are invited to submit tapes for broadcast, dealing with a radio topic, for about 5 minutes, on high quality cassette, or reel-to-reel at 7½ ips, minimizing extraneous sounds. All tapes will be returned with recordings of SABC IS and programming (Gerry Wood, R. RSA) Good idea! (gh)

**PHILIPPINES** R. Veritas Overseas Listeners International is the English DX pgm, Mons 1440-1500, host Miss Evelyn Salvador; pgm sponsors a Lucky Letter Contest raffle monthly, for a special gift from RVO (Jack Searle, NZ DX Times 4/77)

**ECUADOR** The Woodfield International DX Club is doing a weekly program on the mid-week HCJB DX Party Line, called "¿Qué Pasa?" ("What's Happening?"), 5 mins long on a variety of topics related to SWling and DXing (Jeff White, IL) WINDX is the host for 1977 ANARC Convention (gh) The 1200 edition of DXPL doesn't always show up, as on 9/4 (gh) The reactivated Programa DX in Spanish is reaching an almost entirely new audience, as it is now on regional and local xtrs 6050/690 kHz; hence some of the very simple material we are covering (R. Stubbe, HCJB)

## PUBLICATIONS

Federal Register, Dec. 13, 1976, Part IV, FCC preparation for WARC, shows the US proposals for spectrum reallocation from 10KHz to 300 GHz, compared to present allocations. Maritime and amateur expansions are called for but not international broadcasting. The problem is that the FCC does not represent the listener-consumer-taxpayer who suffers most from overcrowded bands, but the four private ISWBC stns it licenses, which do not really need expanded bands themselves (gh)

**Dansk DX Lytter Klub Hobby Pirate List No. 1**, a comprehensive leaflet dated 7/3, by freq in 6.2 MHz band shows power, call, details, is 2 IRCs per copy or 6 for the next 4 issues. Next deadline for info, including MW, is 18/5. DDXLK. Box 392, DK-8100 Aarhus C, Denmark.

**Far Eastern DX Review** Nr. 7 is 24p features TV skeds from Indonesia, Singapore, Thailand; random number BCs from N. Korea with musical notation of themes, and a survey of Indonesians below 6 MHz. See previous LNs for address and prices.

**BBCMS World Broadcasting Information**, quoted in LN, offers free samples: Organiser, News & Publications, BBCMS, Caversham Park, Reading, England. (BBC WRC 30/3)

**VV Aniversario de Radio Habana-Cuba**, text of Spanish speech recounting station's origin and history, by Isidoro Malalercia, 25 page booklet available from RHC. (gh) in Eng too (Wood)

**Die Macht des Radios**, Weltpolitik u. Auslandsrundfunk 1924-1976, by Prof. Willi A. Boelcke, book published 1/4 by Ullstein-Verlag, (W)Berlin, DM 98.00 (Rudolf Heim, EDXC, SCDX 22/3)

**Radio Power**, Propaganda and International Broadcasting, by Julian Hale, Temple University Press, 1975, \$12.50, begins with the Nazi model and covers third-world, clandestine, jamming VOA's, BBC; bibliography (gh)

**Broadcast Monographs** No. 2, Issues in International Broadcasting, 1976, includes papers on R. Sutatenza, NZBS, Voice of the Arabs. BEA, 1711 N St NW, Washington, DC

**"Censorship and Man's Right to Know? Implications of the Transistor Age,"** by VOA director Kenneth Giddens, in Vital Speeches, Feb. 15, 1977, pp. 280-283 (Klm Andrew Elliott, MN)

**So You Think You're Covered?** a guide to homeowners' insurance by RFE/RL's Stanley Leinwoll.

**Handler Enterprises**, PO Drawer CC, Northfield IL 60093, offers a Catalog #P477, listing available publications, primarily lists of military/govt utility stations. (Overcamp, SG)

**QST April**, Feedback column p. 39 lists some corrections to the BC-221 article (Mar LN-7) /

**Bestätigerliste - Amerika** covers QSL policy of 900 stns from Alaska to Tierra del Fuego, 40p, 5.00 DM, or 7 IRCs (overseas, 8) from Wilhelm Herbst, Cornelmüster Str. 2, D-5000 Köln 41.

**Broadcasting in Papua New Guinea**, new book by Ian K. Mackay, published by Melbourne University Press, PO Box 278, Carlton South, Vic. 3053, \$A15 (Pacific Islands Monthly 1/77, Bodell)

**Directory of DX Club Publications and Services Available in North America**, 3rd edn, 1977. Send a #10 SASE with 24¢ postage, or your equivalent mint to ANARC, 557 N Madison Ave., Pasadena CA 91101. (gh)

**Broadcasting Stations of the World**, by FBIS. is being discontinued; try WRTVH. Info on BC in a certain country or area may be available; contact FBIS, Box 2604, Wash DC 20013 (Hutton)

## DX CALENDAR

<u>May</u>	25 Jordan: Independence Day	2 Italy: Republic Day
17 Norway: Constitution Day	26 Guyana: Independence Day	Haiti: 4VEH, 27 years
18 Czech: R. Prague, 54	27 Afghanistan: Independ. D	4 Philippines: FEBC, 29
20 Cameroun: National Day	30 Brazil: RNB, 19	6 Brazil: Mundo Melhor, 17
22 Sri Lanka: Republic Day	31 S Africa: Republic Day	8 India: AIR, 41
24 Ecuador: R Nacional, 16	Monaco: Ranier's Birthday	10 Portugal: National Day
25 Argentina: Constitution D	<u>June</u>	12 Brazil: Feira Santana, 13
	1 Tunisia: National Day	Philippines: Independence D
	En: Casa de la Cultura, 31	13 Portugal: Lisbon Day (BDXC)

**UNIDENTIFIED** 2305x US Stn w/ABC-Enter nx 1030 26/4; not a harmonic freq. (gh)  
 3364 12/3 0527, repeated IS, and repeated voice anmt...a real  
 mystery (Robert L. Foxworth, NY) **Hear it yourself** on my 13-14/5 Spanish and 19-20/5 English  
 DX reports on R. Netherland: (gh) 4892 0420 after HC off, Peruvian? to 0452\* (Pitt McNeil)  
 9600 1057-1105 multiple flutes IS; Tashkent? (Perdue) 10081 0330 Sp. SW stn; harm? (gh) 72:

# QSL REPORT



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Levittown, PA 19057

MAY 1977

Another record! The 118 countries reported this month include some almost unbelievable South and Central Americans. We also have the first verie from Central African Empire which used to be a republic.

I have had to revise my method of compiling QSL Report because of the increasing number of items being reported. It is now all right to cut your items into individual strips. You don't have to do this but if you don't, please be sure to leave enough space between items and put your name and state after each one. Thanks. Here we go....

AFARS & ISSAS: FR3-Djibouti, 4780, white FR3 card with only date in 38 days for cassette tape rpt and 1 IRC. African C/V #38! (Gionet-NB).

ALGERIA: RTVA, 6145, blue/white f/d card in 3 months for EE rpt on AA xmsn and 2 IRC's. (DeRoy-KE).

ANDORRA: R. Andorra, 6230, freq and meter band card with FF text in 2 months for EE rpt. No rp. (Hywarren-MAN).

ANTIGUA: BBC Relay, 6175, f/d Thames card with site in 3 weeks. No rp. (Barker-TX): 9560, no-data card in 24 days. No rp. (Alintuck-MA).

DW Relay, 9605, no-data card in 4 months for 1 IRC and rpt on GG xmsn. (Rockwood-OH): 6040, no-data, no-site card in 61 days. No rp either. (Ebert-WI); no-data card in 107 days. I sent an SASE which was not used and 2 IRC's, asking for a f/d card, but no deal. (Alexander-PA); f/d (requested) "Circles" card in 3 months. No rp. Has anyone tried to QSL Montserrat? Please let me know! (Hywarren-MAN). You must know somebody, Aaron!

ARGENTINA: LOL, 10000, card-like form w/date and inspecific freq and time in 78 days, registered mail, for EE aerogramme rpt. (Sarrazin-CO).

ARMENIAN SSR: R. Yerevan, 11690, small white plain paper with full data on it in 60 days for EE rpt on RR xmsn and 1 IRC. (McManus-BC).

ASCENSION IS: BBC Relay, 9580, no-data Thames card in 6 weeks. No site despite request. No rp. (Alexander-PA): 9765, no-data card in 19 days. No rp. (Alintuck-MA).

ASIATIC RSFSR: R. Moscow QSL's received in 27 to 65 days for these sites: Novosibirsk, 7185; Nikolayevsk-on-Amur, 9735; Petropavlovsk-Kamchatsky, 6180/15450/15140/15180. No rp. (Granone-NM, Seymour-NC, McManus-BC, Cannon-NC and Rojewski-WA).

AUSTRALIA: R. Australia, 9580, f/d "Blue Wren" card in 41 days for 1 IRC. (Rockwood-OH); f/d "Parakeet" card, pennant and rpt form in 6 months. No rp. (Ray-NY); same card in 2 months. (Gercken-IL): 9515, same card in 119 days. (Swanson-IA): 17795, same card in 11 days. (Sciaccia-CA). Eleven days?!!

VW15-Perth, 15425, f/d card in 15 days for 1 IRC. (Hermann-ONT).

VW9-Perth, 9610, f/d card in 23 days for 1 IRC. (Cohen-NJ).

VW9-Perth, 9610; VLI6-Sidney, 6090; VLR9-Melbourne, 9680; VLM4-Brisbane, 4920, cards in 20 to 30 days for 1 IRC each. (Cannon-NC).

BELGIUM: BRTV, 6080, f/d card, sked, rpt forms and transcript of prgm in which my letter was used in 25 days for postcard and 1 IRC. (Fogue-IN); f/d CRU card in 30 days. No rp. Didn't get requested pennant. (Valko-PA).

BELIZE: R. Belize, 3285, f/d yellow map card w/wrong freq (3300) in 21 days. (Ottaway-CC); card w/o time giving freq as 3300 kHz in 1 month for 1 IRC. (Alintuck-MA).

BOLIVIA: R. Nueva America, 4795, letter in 2 1/2 months for SS rpt. V/s Raul Salmon, Gerente-Director. (Barto-CT).

R. Tropico, 4775, card in 2 months for an SASE which was not used. V/s Carlos Avila A., Director. (Field-MI).

BRAZIL: R. Nacional, 11780, f/d card and sked in 33 days. No rp. (Alintuck-PA); f/d card with xmtr info in 62 days. No rp. (Valko-PA).

R. Pioneira de Teresina, 5015, letter w/o freq from Pedro Mendes Ribeiro in 5 weeks for 1 IRC. (Legge-VA).

R. Educ. de Limeira, 2380, f/d handwritten letter from V. Bortolon in 112 days for SS rpt and 1 IRC. (Granone-NM).

R. Soc. Feira de Santana, 4865, f/d card and Brazilian stamps in 1 month for 1 IRC. (Legge-VA).

R. Clube de Pernambuco, 11865, no-data "50 Years" card in 5 1/2 months for mint stamps. V/s Lucy Moreira. (Mikell-IL).

R. Guaiba, 5965, f/d QSL letter and two R. Guaiba car stickers in 54 days for EE rpt on PP xmsn. (McManus-BC).

BULGARIA: R. Sofia, 9700, f/d "Kukery" card, rpt forms and sked in 66 days. No rp. (Fraser-MA): 7115, "Sofia U" card w/o freq, sked, rpt forms and letter in 45 days for 1 IRC and 3 mint stamps. (J. Smith-NY): 9560, f/d "Mausoleum" card and rpt forms in 60 days for EE rpt on Turkish xmsn. No rp. (Poppin-CA).

BURUNDI: R. Cordac, 4900, large QSL card with note on card thanking me for rpt and color photo and stating v/s Irma Morris was born and grew up in Cadiz, OH. Received in 1 year for EE rpt on Swahili xmsn, 3 IRC's and color portrait of a church. Cadiz is only a 20 minute drive from Wheeling, WV. I imagine that's why Irma made that statement. (Wiles-WV); f/d map card w/call letters and "Thank you for a good report" from v/s Jim Morris in 5 weeks for EE rpt, 2 IRC's and postcard. (McNeil-DC). Where was Jim born, Pitt? 3972, f/d card in 8 months for 2 IRC's and EE rpt on Swahili xmsn. Card said, "Your report okay. We play only music from 1000-1200 GMT." (Barker-TX).

BYELORUSSIAN SSR: R. Moscow via Orsha, 7100, f/d card in 1 month. No rp. (DeRoy-ME, Cannon-NC): 5920, f/d card in 1 month for rpt on Britain Svc. (Legge-VA). Via Minsk, 7420, large f/d card in 3 months. (Legge-VA).

CANADA: CBC Northern Svc, 9625, f/d "Eskimo" card in 15 days for 1 IRC. (Zajda-MA).

CFRX, 6070, f/d "Carnival" card in 12 days. No rp. (Hoffman-PA).

CFCX, 6005, "Studio Building" card w/o time in 7 days on 2nd try for mint stamp. (Ward-NB); same in 14 days for 1 IRC. (Hoffman-PA).

CKZU, 6160, "Regional Broadcast Center" card w/o time in 27 days for 1 IRC. (Rojewski-WA); same in 4 days. No rp. Power s/b 500 watts, not 400 as in WRTVH, and postal code s/b V6B 4A2, not 6VB 4A2. (McManus-BC).

CENTRAL AFRICAN EMPIRE: Voix de l'Empire Centrafricaine, 5038, no-data FF verie letter from Henri Gustave Hytahe asking for more rpts, comments on disco prgms and continuing correspondence. Also received photos of station and beautiful stamps in 58 days for FF rpt and 2 IRC's. Adress: H.G. Hytahe, c/o B.P. 940, Bangui, l'Empire Centrafricaine. (McIntosh-ONT). Nice, Bob!

CHAD: Rdiff. Nationale Tchadienne, 4904.5, f/d "Three Scenes" card in 16 days. No rp. I reminded them that my last rpt, containing 1 IRC, had not been answered so would they please reply by air. (Bishop-PA); same card in 40 days after f/up for FF rpt and 2 IRC's. (Cannon-NC); card in 19 days for EE rpt and 2 IRC's. (Ewing-IL).

CHINA: R. Peking, 11945, "Red Flag Canal" card w/o time, sked, brochure and personal letter in 20 days w/promise of mags for 1 IRC and 2 mint stamps. (J. Smith-NY): 11675, same w/pennant in 22 days for postcard. No rp. (Ebert-WI): 9940, same in 22 days. No rp. Canadian Post Office returned this rpt a month after it was mailed, saying address must state "Peoples Republic of China" or no go! It took a full month to get to Vancouver and back! (Ward-NB) 15060, no-data card and sked in 32 days. No rp. Pennant and nice calendar arrived 15 days later. (Myers-AZ).

COLOMBIA: La Voz del Cinaruco, 4860, letter verie in 1 month for an SASE which was not used. V/s Garrid Munuz Tello, Gerente. (Field-MI).

Ondas del Orteguaza, 4975, letter verie and pennant in 1 month on 3rd try for SASE which was not used. V/s Fred Emiro Munez C. (Field-MI).

La Voz de los Centauros, 5962, no-data card in 28 days for SS rpt and mint stamps which were returned unused. V/s Guillermo Torres Bernal. (Mikell-IL).

Ecós del Combeima, 4875, long verie letter, 25 Colombian stamps, coin, paper money and a nice personal letter from Alfonso Tovar S. offering to record some Colombian music if I send him a cassette tape. Received in 3 months. No rp. (Mikell-IL). Jackpot award! ed.

R. Super, 6065, card in 15 days for SS rpt. No rp. V/s Judith Rodriguez. (Mikell-IL).

La Voz del Centro, 6095, f/d personal letter verie 2 years and 8 months after SS rpt and mint stamps and after 10 f/ups! (Lazarus-LA).

COSTA RICA: R. Casino, 5954, f/d card and pennant in 127 days. No rp. (Bishop-PA).

R. Capital, 4832, f/d "Irazu Volcano" card in 10 months for EE rpt on EE plea for RRs (Russians? Railroads?). No rp. Glad to have this since they're off the air. (Twiggs-CT).

TIFP, 6175, f/d EE/SS card w/freq given as 6137 kHz in 32 days for SS rpt and 1 IRC. V/s Alvaro H. Munroz Mora, Director. (Gaffin-NY).

**CUBA:** R. Progreso, 5310, card in 3 months. No rp. (Field-MI).

RHC, 17750, f/d card in 21 days for 1 IRC. (Peterson-CT): 9685/11760, f/d cards and thanks for my rpts and the IRC's I sent in 90 days for EE rpt and 3 IRC's. (McManus-BC). You ought to get a Havana cigar for 3 IRC's, Kev! **CZECHOSLOVAKIA:** R. Prague, 5930, f/d "Cathedral/Castle" card in 66 days for rpt form. No rp. (Hoffman-PA); f/d "Trade Fair" card in 67 days. No rp. (Troster-ONT): 5930/11990, 3 f/d cards, 6 FDC stamps and letter in 35 days for 1 IRC. (Rockwood-OH).

OMA, 2500, f/d card in 4 months. No rp. (Muick-PA).

**DENMARK:** R. Denmark, 15165, f/d card in 37 days for 1 IRC. (Crater-KS); f/d card in 17 days for 1 IRC. (Hermann-ONT); f/d "Radiohouse" card in 21 days for EE rpt on Danish xmsn. (Mikell-IL).

**DOECANESE IS:** VOA-Rhodes, 6160, f/d Capitol card in 1 week. No rp. (Barker-TX): 6015, Stamps card w/o date in 5 days. No rp. (Oliver-PA).

**DOMINICAN REP:** La Nueva Voz del Papagayo, 5030, personal verie letter 2 years, 7 months after SS rpt, tape and mint stamps and 3 weeks after 9th f/up. V/s Hugo A. Romero says this station is off the air at the present time due to repairs. This is a strange one for me because my tape and letter, sent registered mail on Aug. 31, 1974, was returned to me undelivered in Oct. of 1975. Why it laid around in post offices in the Dominican Rep. and/or the US is beyond me. I sent it back at that time but it took another 1½ years to finally get the verie. (Lazarus-LA).

La Voz de la Fuerzas Armadas, 4825, no-data personal letter in 33 days for EE rpt and mint stamps. (Pogue-IN).

R. Clarin, 11700, SS verie letter w/o time in 60 days for EE rpt on EE xmsn and 1 IRC. (Crater-KS); SS letter w/only date and prgm book in 1 month for SS rpt on EE xmsn, IRC's, postcards, baseball cards and stamps. (Ebert-WI): 4850, SS form letter in 4 months for EE rpt on EE xmsn. No rp. My 15th NAM! (Overcamp-SC).

**ECUADOR:** R. Federacion, 4960, verie letter in 2 months on 11th try for SASE which they used for the reply. They said they didn't get the other 10 rpts although they've been sending me "Chicham", their SS/Indian mag. (Field-MI).

R. Rio Amazonas, 4870, prepared card signed by Jim Hedlund in 2 months for 1 IRC. (Legge-VA).

R. Zaracay, 3390, f/d SS letter with sked on it and a black/white pennant in 38 days for EE rpt on SS xmsn and 1 IRC. (McManus-BC).

HCJB, 11745, f/d "Indian Couple" card and sked in 24 days for 2 IRC's. (Zajda-MA).

**EGYPT:** R. Cairo, 9475, f/d "3rd Scene" card, postcard and sked in 43 days. No rp. (Gaffin-NY): 9805, f/d "1st Scene" card and sked in 37 days for rpt to Mrs. Waked mentioning receipt of sked and no verie cards for previous rpts. That did it! (Poppin-CA). Congratulations, George! How are the roses?

**ENGLAND:** BBC, 9580, Bridge card in 30 days. No rp. (Neff-IL): 15070, no-data Bridge card in 52 days for EE aerogramme rpt. No rp. (Glazzy-CA); same no-data card and sked in 21 days. No rp. (Frank-SASK).

**EUROPEAN RSFSR:** R. Moscow, 4920, f/d card w/o site in 3 weeks for rpt on GG Svc. (Legge-VA): 6120, f/d "CMEA" card in 26 days with a sked and "Thank You" card. No rp. (Neff-IL). Ask for the site on RM cards, Chuk. No request, no site. R. Moscow via Armavir, 7200, cards in 1 month. No rp. (Poole-GA, Cannon-NC). Via Tula, 17760, f/d card in 47 days. No rp. (Schipelliti-MA).

Radio Station Peace & Progress, 11695, f/d red card with drawing of forest and with freq given as "25 mb" and EE/CC shed in 26 days. No rp. (Brooker-ONT).

**FINLAND:** R. Finland, 6120, f/d "Winter" card in 61 days. No rp. (Granone-NM): 11755, same card with FinnDX info and sked in 32 days for 1 IRC. (McIntosh-ONT).

**FRANCE:** RFI, 11705, f/d "Couleurs et Lumiere" card, wallet calendar and sked in 191 days for 1 IRC. (A. Smith-OH); f/d card, sked, pennant and note in 30 days. No rp. (Alintuck-MA): 9505, f/d "Telediffusion de France" card, sked and pennant in 19 days for 2 IRC's. (Zajda-MA).

**FRENCH GUIANA:** FR3, 3385, plain no-data card in 2 weeks for FF rpt and mint stamps which were not used. (Herkimer-NY); freq-only card in 22 days for FF rpt and 1 IRC. (Mikell-IL).

**GALAPAGOS IS:** La Voz de Galapagos, 4810, large embossed green card in 6 weeks for 1 IRC. Also received a f/d prepared card mailed separately and signed by the Director and Secretaria. If others didn't receive QSL's in past months, the prepared card apparently is a help in getting a reply as previous rpts I sent were not answered. (Legge-VA).

**GEORGIAN SSR:** R. Moscow via Tbilisi, 7185, f/d card in 5 weeks for special request to Gertudis Fiodorova for a card with site. (Legge-VA): 9695, card

in 28 days for EE rpt on EE xmsn of African Svc. No rp. (Cannon-NC).  
**GERMANY (E)**: RBI, 9730, "Zitzmann Painting" card, RBI Journal and letter in 35 days. No rp. (Schatten-MI); f/d "Children" card in 1 month. (Valko-PA).  
 DIZ, 4525, f/d program card in 5 months. No rp. (Muick-PA).

**GERMANY (W)**: Deutsche Welle, 6010, card with only name in 95 days. No rp. (Valko-PA).

Suddeutscher Rundfunk, 6030, f/d yellow card, rpt forms and GG letter in 74 days for 2 IRC's. Received now most nights at my location. (McIntosh-ONT).

R. Liberty, 7245, card w/o freq or time in 38 days. No rp. (Schulman-NY).

R. Free Europe, 7245, blue/white "RFE" card w/o time or freq in 10 days for rpt sent to Washington with stamp, not used. (Twiggs-CT).

Sudwestfunk, 7265, "Strange Ear" card w/o time in 32 days for EE rpt and 1 IRC. My 5th W. German regional! (McNeil-DC); f/d card in 6 weeks for EE rpt on GG xmsn and 2 IRC's. Card from Baden-Baden notes 20 kw xmtr at Rohrdorf. (Barker-TX); f/d card in 1 1/2 months for EE rpt on GG pop prgm. No rp. (DeRoy-ME).

VOA-Munich, 6195, Stamps card w/only date and site and sked for European xmsnx in 47 days. No rp. Requested f/d, no luck. (McManus-BC).

**GHANA**: GBC, f/d card stapled to sked which served as the envelope in 13 months for 1 IRC. Never give up!. (Oliver-PA): 6130, f/d card, sked and rpt forms in 9 weeks for 2 IRC's. (Barker-TX). Lucky, Bruce, lucky!

**GREECE**: V. of Greece, 9760, f/d white card in 14 days for 2 IRC's. (Ward-NB): 17830, same card in 16 days for aerogramme rpt. (Hoffman-PA).

VOA-Kavala, 7205, f/d card as requested in 1 week. No rp. (Barker-TX): 7170, f/d Stamps card in 8 days. No rp. (Poole-GA).

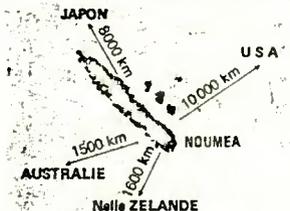
**GREENLAND**: Gronlands Radio, 3999, folder card w/o time with UHF repeater station photo on front in 32 days for EE rpt on Danish xmsn and 1 IRC. V/s B. Hansen, Program Director. (McManus-BC).

**GRENADA**: R. Grenada, 15105, f/d card in 70 days for 2 IRC's. (Ewing-IL); f/d plain yellow card w/sked on it in 3 1/2 months for 2 IRC's. Card was mailed Nov. 12 and got here Jan. 24. (Florian-IL); f/d card in 84 days for 1 IRC. Not a very original card. (Fedor-CT).

**GUATEMALA**: TGNA, 3300, f/d "Quetzal Bird" card, sked, tourist and religious in from 14 to 30 days. No rp and 1 IRC. (Ebert-WI, Kay-NY, Myers-AZ and Cohen-NJ).

R. Tezulutlan, 4835, f/d letter in 2 weeks for 1 IRC. (Legge-VA).  
**GUYANA**: GBS, 3290, f/d form letter in 41 days. No rp. (Schulman-NY).

from  
 GERRY  
 BISHOP

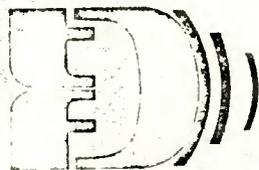


**NOUVELLE CALEDONIE**

22° 18' 04" S  
 166° 29' 02" E

**FREQUENCES**

670 Khz	-	20 Kw
1 420 Khz	-	4 Kw
3 355 Khz	-	20 Kw
7 170 Khz	-	20 Kw
11 710 Khz	-	4 Kw



TELEDIFFUSION DE FRANCE

**HAWAII**: WWVH, 2500, f/d "Aloha" card in 10 days. This one is 5 kw. An easy way to lower QRP. (Overcamp-SC). What do you have for QRM, Tom? 15000, f/d card in 8 days. No rp. (Myers-AZ).

**HONDURAS**: HRCV, 4820, f/d map card in 9 days for \$1.04 in US stamps. (George-TX); same in 19 days for 1 IRC and used stamps. (Glazzy-CA).

**HUNGARY**: R. Budapest, 6000, "Museum" card and DX Club info in 80 days. No rp. (Peterson-CT); f/d RBDX Club card in 27 days for 1 IRC. (Dammeyer-NY).

**ICELAND**: Reykjavik Radio, 12175, f/d "Seven Scenes" card with beautiful

stamps in 1½ months for 2 IRC's and EE rpt on Icelandic xmsn. QRP = 5 kw. (DeRoy-ME); same f/d card in 35 days for EE rpt and 2 IRC's. (Herkimer-NY); f/d card in 2 months for EE rpt. No rp. European #35! (McNeil-DG).

**INDIA:** AIR, 9912, f/d card in 7 months for 3 IRC's. (Ewing-IL).

**IRAN:** V. of Iran, 9022, f/d "Zahedan TV" card and plastic pennant in 30 days for a postcard. No rp. (Schipelliti-MA, Brooker-ONT).

**IRAQ:** R. Baghdad, 9745, f/d "Monument" card, sked and booklet on Zionism (anti) in 76 days for 1 IRC. (Dammeyer-NY); f/d "Nargal Gate" card, eagle logo, Fall '76 sked and anti-Zionist booklet in 74 days for 1 IRC. (Fraser-MA): 3243.5, card w/right date but other info as "9745 kHz, 1930-2030 GMT". This is the 2nd time they've done this for 3 MHz Home Svc prgms, so I guess they'll never verify them. This came with sked and "Steadfast Programme in Dealing with the Masses" pamphlet in 2 months. No rp. (McNeil-DC).

**ISRAEL:** IBA, 9435, "Golden City" card and sked in 39 days. (Schatten-MI): 5900, same f/d card, sked, booklet and rpt forms in 41 days for 2 IRC's and mint stamps. (J. Smith-NY): 7412, f/d "Sunset" card, rpt form and Winter '76/77 sked in 43 days for 1 IRC. (Fraser-MA).

**ITALY:** RAI, 6010, f/d "Medici Tomb" card in 58 days for 1 IRC. (Fraser-MA, Schatten-MI): 9575, f/d "Il Giorno" card in 195 days. No rp. (Bishop-PA).

**JAPAN:** R. Japan, 9585, "Hakata Dolls" card w/o time in 12 days. (Sciaccia-CA): 15105, "Tachibina Dolls" card, RJ News and sked in 13 days. (Schatten-MI): 15270, "Bamboo Grove" card, request forms, sked, rpt form and RJ News in 19 days for aerogramme rpt. No rp. (Desrosiers-MA): 5990, "Hakata Dolls" card w/o time, RJ News, comment and rpt forms in 16 days for RJ rpt form. No rp. (Lambard-MT).

**FEN,** 3910, card w/o time in 10 days for EE rpt. No rp. (M. Smith-NY); same in 61 days for EE rpt. No rp. (Poppin-CA).

**JORDAN:** HSB, 9530 (Home Svc), f/d "Petra" card, freq/prgm skeds in 24 days for EE rpt on AA xmsn and used stamps. V/s R. Alshubakey. (Sarrazin-CO): 9560, f/d "Forum of Jerash" card in 1 month. No rp. (Twiggs-CT); "Bethlehem Bell" card in 26 days for EE rpt on AA xmsn. No rp. (Cannon-NC).

**KIRGHIZ SSR:** R. Moscow via Frunze, 9710, f/d card and long SS letter from Gertrudis Fiodorova in 1 month. No rp. (Herkimer-NY).

**KOREA (S):** R. Korea, 9640, "Hyangwon Pavilion" card in 9 months. No rp. (Ewing-IL).

**KUWAIT:** R. Kuwait, 9580, f/d "Castle" card in 31 days for 1 IRC. (Poole-GA).

**LIBERIA:** ELWA, 11945, f/d "Drummer" card, sked and religious pamphlets in 48 days for EE rpt and a packet of flower seeds. (Schipelliti-MA); same in 81 days for 1 IRC. (Brooker-ONT).

**VOA-Monrovia,** 17870, f/d card in 5 days. No rp. (Cohen-NJ); same in 7 days. (Fedor-CT): 6035, card w/site, no time in 43 days. No rp. (Ward-NB).

**LITHUANIAN SSR:** R. Vilnius, 9600, f/d card in 96 days. No rp. (Crater-KS): 15100, f/d "Buildings" card in 43 days for 1 IRC. (Rojewski-WA): 7150, f/d "Antenna" card in 38 days. (Schatten-MI).

**LUXEMBOURG:** R. Luxembourg, 6090, f/d card in 76 days for 1 IRC. (Crater-KS); in 90 days. No rp. (Granone-NM); in 79 days for 1 IRC. (Peterson-CT).

**MALAGASY REP:** R. Nederland Relay, 11730, f/d "Tom Meyer" card in 24 days. No rp. (Granone-NM).

**MALAYSIA:** BBC Relay, 6195, no-data Bridge card in 49 days. No rp. (Mikell-IL): 7180, two Bridge cards with site indicated in 21 days. (Poppin-CA).

**MALI:** Rdiff. Nationale du Mali, 5995, f/d "Africa" card in 101 days for FF rpt on FF xmsn sent by registered mail. Finally, on my 6th attempt! Reply received on the only rpt in which I had not enclosed at least 2 IRC's! (Gionet-NB). I guess they figured the well ran dry, Onil.

**MALTA:** R. Mediterran, 6080, f/d letter and tourist info in 78 days for 1 IRC. (Rockwood-OH); f/d card in 71 days for 3 IRC's. (Peterson-CT); f/d letter in 3 months. No rp. (Muick-PA).

**Vox Fidei,** 6185, f/d "Bookburning" card w/freq given as 9670 kHz and sked in 12 days for EE rpt on FF xmsn and 1 IRC. (Gaffin-NY).

**AWR,** 9670, f/d "Sanitorium/Hospital" card stamped "Malta in bold letters in 3 months. No rp. Also got a slip which, if returned, will put me on the mailing list and get me a pennant. (Hywarren-MAN)

**MARTINIQUE:** FR3, 3315, black/white "Beach Scene" card w/o time in 7 months for 2 IRC's and EE/FF rpt on FF xmsn. It took 2 months to reach me by sea mail. (Florian-IL); same card in 12 weeks. No rp. (Schulman-NY); same card w/date and verie statement in 7 months. No rp. (Bishop-PA).

**MONACO:** TWR, 7105, green map card, sked and sticker-type pennant in 31 days. No rp. (Fedor-CT): 7125, f/d card in 35 days for 1 IRC. (Poole-GA); f/d map card, sked and religious info in 23 days for mint stamps which were used on the envelope. (Glazzy-CA).

**MONGOLIA:** R. Ulan Bator, 4080, f/d "Ying-Yang" card, personal letter, sked, tourist info, several mags and literature in 60 days for EE rpt on Mongolian Home Svc. No rp. (Poppin-CA): 5053.8, f/d blue/gold card in 3½ months for EE rpt, 1 IRC and postcard. (McNeil-DC).

**MOROCCO:** VOA-Tangier, 15205, f/d Stamps card in 5 days. No rp. (Cohen-NJ); Stamps card in 59 days. No rp. (Alexander-PA).

**NETHERLANDS:** R. Nederland, 9715, f/d "Harry van Gelder" card in 2 weeks for 1 IRC. (Glazzy-CA): 11730, f/d "Tom Meyer" card in 15 days with EE/SS sked and Happy Station history. No rp. (Neff-IL).

**NETHERLANDS ANTILLES:** R. Nederland Relay, 6165, f/d "Harry van Gelder" card in 10 days. No rp. (Zajda-MA); same card w/o time in 13 days for 1 IRC. (Sciaccia-CA). Without time? Are you sure? ed

TWR, 11925, f/d "PJB" card, sked and decal in 16 days for 3 IRC's. (Zajda-MA); same card, sked, religious info and bumper sticker in 26 days. (Swanson-IA).

**NEWFOUNDLAND:** CKZN, 6160, "CBC St. Johns" card w/date, freq and QRP in 1 week. No rp. Power = 300 watts! Wow! (Hywarren-MAN).

**NEW HEBREDES:** R. Vila, 3945, folder QSL in 3 weeks on 3rd try for an SASE which was not used. (Field-MI).

**NEW IRELAND:** 2428, verie letter with only time and freq in 1 month for EE rpt. No rp. Also received a two-toea piece which I requested. V/s Otto Malatana, Station Manager. (Hywarren-MAN). This is R. New Ireland. ed

**NEW ZEALAND:** RNZ, 6105, 2 f/d cards and skeds in 13 days for 1 IRC and a mint stamp and 26 days for no rp. (Frank-SASK).

**NIGERIA:** V. of Nigeria, 7275, f/d green/white "Flag" card in 3½ months. No rp. Also received Nov/Dec sked with note saying the freqs were still useful. (Brooker-ONT); same f/d card in 90 days for 1 IRC. (Crater-KS).

NBC-Sogunle, 4900, card and letter indicating this site as "drift" from 4990 kHz in 1½ months for EE rpt. No rp. (McNeil-DC).

NBC-Jos, 5965, f/d VON "Flag" card w/site in 52 days for EE rpt. No rp. (Mayer-IL); same card in 1 month. No rp. (Herkimer-NY); same in 1½ months for EE rpt to Lagos. No rp. (McNeil-DC).

**NORWAY:** R. Norway, 15345, f/d "Romsdal" card and 2 RN mags in 22 days. No rp. (Frank-SASK): 15175, f/d "Fjord" card, sked and small flag in 22 days. No rp. (Brooker-ONT).

**PAPUA NEW GUINEA:** NBC, 4890; f/d 3-color map card and tourist/historical info in 28 days for 2 IRC's and local postcard. (Lambard-MT); f/d map card in 37 days for 3 IRC's and used stamps. In return I got some used PNG stamps and a note saying sked is coming by surface mail. (Troster-ONT); f/d map card, sked and interesting travel folder in 5 months. No rp. (Schulman-NY).

R. East Sepik, 3335, verie letter in 1 month for EE rpt and 2 IRC's. (M. Smith-NY); letter in 33 days for 1 IRC. (Cannon-NC).

R. Milne Bay, 3360, no-data verie letter from Trevor Webamo in 1 month. No rp. Also received some beautiful PNG stamps and a 1 toea piece. (Hywarren-MAN); no-freq letter in 1 month for 1 IRC. (Legge-VA).

R. East New Britain, 3385, f/d black/white map card in 55 days for mint stamps and EE rpt on Fidgin xmsn. (Florian-IL).

R. West New Britain, 2340, verie letter in 6 weeks on 4th try for an SASE which was used for the reply. V/s Terry Nandali. (Field-MI).

R. North Solomons, 3322, f/d letter noting change from R. Bougainville in 3 weeks. No rp. (Hywarren-MAN); same in 32 days for EE rpt on EE/PP xmsn and 1 IRC. (Gionet-NB).

R. Madang 3260, f/d verie folder in 1 month for 1 IRC. (Legge-VA).

**PERU:** R. del Pacifico, 9675, f/d white map card, personal letter, pennant and window decal in 1 year, 87 days after 2nd SS f/up with mint stamps. Very friendly EE letter said they answer all DXers' letters. Maybe my others lost in the mail. This one sent registered mail. V/s Mary Ruth Antara. (Iogue-IL).

**PHILIPPINES:** FEBC, 15440, f/d map card in 2½ weeks for 2 IRC's. (Twiggs-CT).

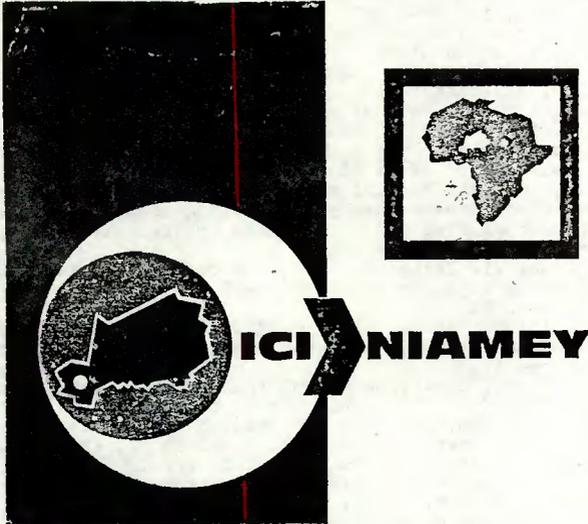
VOA-Foro/Tinang, 15290, f/d Stamps card in 5 days. (Cohen-NJ); Capitol card w/o date, VOA booklet and xmtr sked in 5 days. I asked for a pennant but they do not distribute them inside the US. (Schipelliti-MA); Stamps card and 7 skeds in 5 days. No rp. (Fedor-CT).

**POLAND:** Polish Radio, 6183, f/d card w/wrong freq and wrong date and a nice letter from Lech in 100 days for 1 IRC and FR rpt form. I wrote the rpt Dec. 13 telling them I couldn't hear FR on 9525 kHz. This is the date and freq on the QSL. (Rockwood-OH): 15120, f/d card in 25 days for 2 IRC's. Several books and mags on Poland came in another month. (Ewing-IL): 11815, f/d "Heraldic Arms" card in 63 days. No rp. (Granone-NM).

**PORTUGAL:** R. Portugal, 4865, f/d postcard verie with "Portugal" listed as

site in 19 days for EE rpt. No rp. (McNeil-DC).  
RHODESIA: RBC, 3396, f/d map card in 3 weeks. (Schulman-NY); map card in 25 days. No rp. (Ewing-IL); large map card in 21 days for 2 IRC's which they returned. (Cannon-NC). No return postage here. They do return IRC's. ed  
ROMANIA: R. Bucharest, 5990, f/d "Village Museum" card in 83 days for aerogramme rpt. No rp. (Hoffman-PA): 9570, same card w/o time, sked, "Thank You" letter and Listeners Club info in 123 days. No rp. (Ward-NB): 11940, f/d card in 128 days. No rp. (Peterson-CT): 9590, f/d "UN Square" card and personal letter in 4 months. No rp. (Florian-IL).  
RWANDA: DW Relay, 7225, f/d card in 2 months for 2 IRC's. (Twigg-CT).  
RYUKYU IS: VOA-Okinawa, 7165, Capitol card w/o time in 9 days. (Glazzy-CA); in 5 days. (Gaffin-NY); in 3 days. Unbelievable! By courier?!? (Poppin-CA).

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SABAH: R. Malaysia Sabah, 4970, map card w/o time, sked and letter from Ramlah Amir in 2 months for EE rpt and 2 IRC's. (Glazzy-CA).  
SARAWAK: R. Malaysia Sarawak, 4950, f/d "Broadcasting House" card in 2 weeks for EE rpt. No rp. (Hywarren-MAN): 5005, postcard-type QSL in 6 weeks on 3rd try for an SASE which was not used. (Field-MI).  
SAUDI ARABIA: BSKSA, 11870, f/d "Crossed Swords" card w/wrong date and time in 8 1/2 months by registered mail for a total of 6 different rpts and used stamps. V/s Sadek Payoumie. Outdated sked came registered 2 months earlier. Finally verified this one! (Sarrazin-CO).  
SENEGAL: R. Senegal, 4890, f/d card in 32 days for EE rpt and 2 IRC's. (Ewing-IL): 7170, "Antenna" card w/o time in 2 months for FF rpt on FF xmsn and 2 IRC's. This is 30 kw xmtr according to note on the card. (Barker-TX).  
SEYCHELLES: FEBA, 9700, f/d orange map card, sked and religious info in 26 days for 1 IRC. (Cohen-NJ); 29 days for 1 IRC. (Gaffin-NY); 29 days for 3 IRC's. (Kay-NY); 17 days for 1 IRC and used US stamps. (Fedor-CT): 9510, card in 71 days. No rp. (Schulman-NY).  
SIERRA LEONE: SLBS, 3316, "Coat-of-Arms" card w/o time in 1 month for EE rpt and 1 IRC. V/s B.D.H. Taylor. (Cannon-NC).  
SINGAPORE: R. Singapore, 5052, f/d purple "RS Logo" card and tour guide book in 69 days for two EE rpts and 1 IRC. Beauty is in the eye of the beholder! I think the card is neat and clever! (Poppin-CA). Any more votes?  
SOLOMON IS: SIBS, 5020, f/d "SIBS/Map" card in 5 weeks for EE rpt, 2 IRC's and used stamps. (Glazzy-CA).  
SOMALI REP: R. Mogadishu, 9585, black/white SBS card w/o date in 40 days for EE rpt on Somali xmsn and 1 IRC. (Herkimer-NY).  
SOUTH AFRICA: R. RSA, 11900, f/d "Diamonds" card, sked and "RSA Calling" in 17 days for 2 IRC's. (Zajda-MA); same in 20 days for 2 IRC's. (Sciacca-CA).  
 SABC, 4810, f/d "Montage" card and sked in 38 days. No rp. (Myers-AZ); same in 28 days for EE rpt on EE/Afrikaans xmsn. (Ebert-WI).  
 ZUO, 5000, EE letter and station info in 21 days for EE rpt. No rp. (Fedor-CT).

**SPAIN:** RTVE, 6065, f/d card in 25 days. No rp. (Pogue-IN); two different f/d cards, pennant and 25 rpt cards! in 23/27 days for 1 IRC. (McIntosh-ONT).

R. Liberty, 9680, card with site in 35 days. No rp. (Hermann-ONT).

**SRI LANKA:** VOA-Colombo, 11745, Stamps card with only date in 55 days. I reported for full data but didn't get it. V/s A.L. Case. (McManus-BC).

**SWAZILAND:** TWR, 11955, f/d "Native/Antenna" folder and religious info in 28 days for 1 IRC. (Gaffin-NY); same f/d folder and sked in 20 days for 1 IRC. (Seymour-NC): 9590, same in 35 days for 2 IRC's. (Florian-IL): 3240, same in 32 days for EE rpt on lang xmsn and 1 IRC. (Gionet-NB).

**SWEDEN:** R. Sweden, 6045, f/d yellow/blue xmtr sites card, sked, RS mag and reception tips by Arne Skoog in 22 days. No rp. (Derosiers-MA); same card in 14 days. No rp. (Delong-PA): 15305, same card in 16 days. No rp. (Seymour-NC)

**SWITZERLAND:** SBC, 6045, f/d "Two Bobs" card in 17 days for 2 IRC's. (Zajda-MA); same in 22 days for 2 IRC's. (Sciaccia-CA): 15140, same in 22 days for 1 IRC. Winter/Spring sked and sticker received a few days before. (Fraser-MA) 9725, same in 77 days with note saying sticker and rpt sheets I requested were sent separately. (Alexander-PA).

ICRC, 7210, f/d "Globe/Mike" card in 18 days. (Bishop-PA).

**SYRIA:** SARBS, 9655, f/d map card, small logo, postcard, sked, handicraft brochure and 3 stamps in a mere 754 days for EE rpt and 2 IRC's. V/s Khder Omran. I couldn't believe it! After all that time I never expected to get anything! I love it! (Gionet-NB); QSL card, Aleppo tourist guide, pennant, postcard and letter from Emma-Srouhi Pyamdjian in 2 months. (Barto-CT): 9585, f/d map card w/wrong freq and time, cloth emblem, sked and tourist info in 10 1/2 months. No rp. (Bishop-PA).

**TADZHIK SSR:** R. Moscow via Dushanbe, 7135, f/d cards for rpts on GB/Ireland Svc received in 30 to 39 days. No rp. (Barker-TZ, DeRoy-ME, Cannon-NC, Gaffin-NY and M. Smith-NY).

**TAHITI:** R. Tahiti, 15170, "Native Girl" card and sked in 29 days for FF rpt and 1 IRC. (McIntosh-ONT): 11825, same card in 17 days for EE aerogramme rpt. No rp. (Derosiers-MA).

**TAIWAN:** V. of Free China, 15345, beautiful f/d "City of Cathay" card in 341 days, 93 days after f/up for 1 IRC. This has to be the nicest QSL I've ever received. (Gionet-NB): 15425, f/d card and sked in 32 days for 1 IRC.

(Grater-KS); f/d card and station info in 38 days. No rp. (Myers-AZ).

**TOGO:** R. Togo, 3222, card in 2 months for 1 IRC. (Field-MI): 5047, f/d card in 38 days for 2 IRC's. Received by air mail almost mutilated! (Pogue-IN); f/d card in 30 days for FF rpt. No rp. (McIntosh-ONT); "Map/Globe" card w/o freq in 2 1/2 months for EE rpt on FF xmsn and 1 IRC. Also received a letter from one El Anouassa, a staff member who studied at RCA Institute here in NYC and who wants pen-pals here. He sent his letter in a Ghana aerogramme!

(Gaffin-NY). Yes. With a Ghanan aerogramme he would naturally want pen-pals!

**TUNISIA:** RTV Tunisienne, 15225, f/d card in 1 month for tape rpt, EE letter and 2 IRC's. (Ottaway-CO); f/d card in 20 days. No rp. (Bishop-PA).

**TURKEY:** Turkish State Meteorological Svc, 6900, EE verie letter from Assoc. Prof. Dr. Ahmet Rumeli, Director General, giving power as 2.5 kw in 1 month for EE rpt and 2 IRC's. (McNeil-DC).

**UGANDA:** UBC, letter w/o time in 52 days for 2 IRC's. (Ewing-IL); same in 25 days for mint stamps. My 2nd rpt. First still unanswered. (Florian-IL); no-data mimeo letter in 4 weeks for 1 IRC. What a letdown! (McIntosh-ONT); QSL letter in 5 weeks. (Barto-CT).

**UKRAINIAN SSR:** R. Kiev, 7215, f/d card, sked, contest info, rpt forms, etc. in 36 days. no rp. Note said pennants only to regular reporters, i.e., 5 or more rpts. (Pogue-IN): 7260, f/d "Hotel" card w/o site in 42 days. No rp. (Hermann-ONT): 7150/7215/9610/15100, four f/d new cards in 31 days for RK rpt forms. Beautiful colored QSL cards well worth a rpt! (Poppin-CA).

R. Moscow via Ivano-Frankovsk, 7110, f/d cards in 2 1/2 weeks and 1 month. No rp. (Glazzy-CA, Twiggs-CT). Via Lvov, 6120, f/d cards in 30 to 35 days. No rp. (Poole-GA, Seymour-NC, Barker-TX, Cannon-NC).

**UNITED STATES:** VOA-Greenville, 6130, f/d card in 4 days. No rp. (Alexander-PA): 5995, f/d card in 6 days. No rp. (J. Smith-NY). With date, too!

VOA-Delano, 15250, card w/o date in 5 days. (Schipelliti-MA); date-only Stamps card in 44 days. No rp. (McManus-BC).

VOA-Dixon, 17820, card w/o date in 5 days. (Schipelliti-MA): 15365, date-only card and sticker in 26 days. No rp. I asked for f/d on these cards but didn't get it. (McManus-BC).

AFRTS, 6030, "Symbols" card and sked in 95 days. (Schatten-MI): 17765, f/d card in 70 days. No rp. (Peterson-CT).

WVV, 5000, f/d "Arapahoe Chiefs" card in 28 days. No rp. (George-TX): 25000/20000, two f/d "Chiefs" cards in 26 days for 26¢ in US

stamps and a rpt on last day of xmsn. Lucky to get QSL for 25 MHz since it wasn't heard here very often. (Hoffman-PA).

WINB, 11775, f/d card in 14 days. No rp. (DeLong-PA).

WYFR, 6155, f/d card, sked, religious material, pocket calendar and offer to make me a monitor in 17 days. No rp. (Frank-SASK).

KGEL, 5980, f/d "San Francisco" card, sked, letter and religious info in 50 days. (Swanson-IA); same with pennant in 43 days for US stamps. Program asked if listeners would be interested in a DX segment at 1000-1030 GMT. (Dammeyer-NY). Not me, Henry. That's 5:00 am EST!

URUGUAY: R. El Espectador, 11835, f/d white card in 25 days for SS rpt and 2 IRC's. (Gower-IL); same in 23 days for SS rpt, 1 IRC and used US stamps. I think the stamps helped for fast service. (Seymour-NC).

S.O.D.R.E., 15275/9620, letter in 5 months for SS rpt and mint stamps. V/s Jaime Bravo, Director. (Barto-CT).

UZBEK SSR: R. Tashkent, 9540, f/d map card in 42 days. No rp. (Fraser-MA): 9600, same in 1 month. No rp. (Twiggs-CT).

VATICAN: Vatican Radio, 5995, f/d "Antenna" card, sked and nice stamps in 19 days. (Swanson-IA); f/d card and stamps in 26 days. No rp. (Neff-IL):

6015, f/d "Stato Citta" card and sked in 18 days. No rp. (Frank-SASK).

VENEZUELA: R. Rumbos, 4970, f/d "Diablos de Yare" card in 7<sup>1/2</sup> months for SS rpt. No rp. (Mikell-IL): 9660, f/d card in 197 days for SS rpt and 1 IRC. (Poole-GA).

R. Barquisimeto, 4990, card in 43 days for SS rpt and mint stamps. (Mikell-IL).

R. Lara, 4800, green/white card w/o time in 76 days for EE/SS rpt and 1 IRC. (McManus-BC).

R. San Cristobal, 9570, personal business card with full data on the back from C.A. Calderon in 1 month for for a SS rpt on the "Impact of God" prgm of Feb. 27. WRTVH shows station as inactive. (Ottaway-CO).

R. Universo, 4880, card w/o time in 76 days for EE/SS rpt on SS xmsn and 1 IRC. (McManus-BC).

Ecos del Torbes, 4980, date-only verie letter in 4 months. No rp. (Muick-PA).

R. Juventud, 4900, "Dancers" card w/o time in 91 days for EE/SS rpt on SS xmsn and 1 IRC. (McManus-BC).

YVTO, Observatorio Naval, 6100, "Juan Manuel Cagigal" card w/o date or time in 4 months for EE rpt and mint stamps. My QRP = 24.4 kw for 6 continents! (Overcamp-SC); card in 36 days for SS rpt and 1 IRC. (Hermann-ONT)

VIETNAM: V. of Vietnam, 15012, f/d plain white paper verie w/official stamp, copy of "Vietnam Courier" and '77 calendar in 106 days. No rp. (Brooker-ONT).

ZAIRE: La Voix de Zaire, 15245, date only verie letter received in 6 weeks for FF rpt on FF xmsn and 1 IRC. Earlier rpt was ignored. (Seltzer-ONT); in 63 days for EE rpt on 2nd try. No rp. (Dubrick-IL); in 5 months. No rp. (Mikell-IL); in 2 months for EE rpt. No rp. My VIC #135! (Hywarren-MAN); in 3 months for EE rpt on FF xmsn and mint stamps. (Florian-IL); in 53 days for EE rpt, letter and ski brochure. (Sarrazin-CC). J. Florian sends the address: La Voix de Zaire, Bureau de Coordination des Programmes Exterieurs et de Radios Regionales, B. P. 3171, Kinshasa, Zaire.

ZAMBIA: R. Zambia, 4911, f/d white card listing 50 kw, not 10 per WRTVH 77, in 5 weeks for EE rpt on Lozi xmsn, 2 IRC's. V/s P.L. Musuba. (Overcamp-SC).

And that's it for May. I had to use an extra page to get these rpts in. If they continue at the present rate, I'll have to cut a little more out. Probably the time stations which aren't really SWBC. Keep smiling.  
Deadline for June issue: May 14.  
Deadline for July issue: June 11.

*Bill*

**HELPING HAND:** For sale. DX-160, 2 years old, excellent condition. Modified to allow direct tape recording without influence by volume control. \$115.00 postpaid. Contact Neal Greenidge, 5700 Arlington Avenue, Riverdale, NY 10471.

**HELPING HAND:** For sale. Just purchased Drake SPR-4, so would like to sell DX-160, 1 $\frac{1}{2}$  years old and in excellent condition. \$100.00 including speaker and shipping. Contact Irving Leffler, Box 1608 GPO, Brooklyn, NY 11202.

**HELPING HAND:** For sale. R-390, excellent condition, aligned, etc., \$300.00 BC 221 frequency meter, best offer, but at least \$25.00. Contact Forester Isen, 493 Shade Woods Park, Louisville, KY 40219.

# naswa AWARDS reports

Dan Henderson, chairman  
317 Brock Bridge Road  
Laurel, Maryland 20810

MAY , 1977

The following report gives all awards issued during the period 1 January 1977 through 31 March 1977. All awards are listed in chronological order of issue.

## AFRICAN CONTINENTAL DXER

Myron Smith

## AFRICAN CONTINENTAL DXPERT

Albert A. Miller, Jr.

## EUROPEAN CONTINENTAL DXER

Wendell E. Carrington

Eric Falkenham  
Randolph Macris  
Chris Jones  
Horace Davis  
Kevin Mikell  
Roger Ward  
John Sillings  
Stuart Grossman  
John J. Garner  
J. M. Huniwell  
Leonard Kay  
Steve Shotola  
Paul Buer  
Roger Peterson  
Albert J. Muick  
Jay Hamilton

## EUROPEAN CONTINENTAL DXPERT

Pitt McNeil

## SOUTH AMERICAN CONTINENTAL DXER

Albert Garrou  
John Herkimer

## SOUTH AMERICAN CONT. DXPERT

John Sgrulletta

## NORTH AMERICAN CONTINENTAL DXER

Roger DeRoy  
Myron Smith  
Gerry Bishop

## NORTH AMERICAN CONT. DXPERT

Gerry Dexter

## DXER DE PACIFICA

Robert F. Leamy, Jr.

## ASIAN CONTINENTAL DXER

Myron Smith  
Albert Garrou

## WORLD WIDE DXER

Wendell E. Carrington  
Stephen Pitts  
Steve Shotola  
Joe Schreiber  
Carroll Senn  
George R. Crox  
Hans Schelke  
Randolph Macris  
Jay Hamilton  
John J. Garner  
Eric Rude  
Michael Glazzy  
David Sarrazin  
Kent Magill

## DX CENTURION

Stephen Pitts  
Onil Gionet  
Gerry Bishop  
Paul Buer

## SENIOR DX CENTURION

Myron Smith  
Bill Whitacre

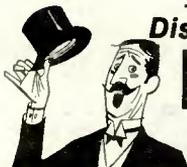
## ALL CONTINENT QRP DXER

Joe Schreiber--50 Kw  
Myron Smith--25 Kw  
Troy E. Gower--25 Kw  
Dave Twiggs--50 Kw  
Paul Buer--25 Kw  
Albert J. Muick--50 Kw  
Bob Underdown--50 Kw

## SENIOR NIGERIAN DXER

Bruce Churchill  
John Sgrulletta  
Myron Smith

- 15335 AUSTRIA ORF; 1620-1659 GG, fair (Schwartz 3/20, Jones 4/2); 1830-1855\* EE, ann'd //6155, 17770, good (Brown 3/4, Zilmer 4/2).
- 15335 COLOMBIA R. Nacional; \*1155-0014 SS, classical mx (8 reporters).
- 15340 CUBA RHC; 2035 AA pgm began (Hersh 3/17); 2225 SS (McManus 3/19).
- 15345 ARGENTINA R. Nacional; 1442-1630 SS, lt. mx, ID as "LR1 R. Nac. Buenos Aires", good (Tuchscher 4/9, Krueger 3/6).
- 15345 KUWAIT RK; 1105-1132\* AA, nx, mx (Bunn 3/20, Sherman 3/18).
- 15345 TAIWAN VOFC; 0135-0200 EE, 0200-0300 CC, 0300+ EE, Chinese mx & vocals, nx (Thompson 4/1, Russell 3/10, Hoffmann 3/12).
- 15349.4 LUXEMBOURG RTL; 1200-1642 FF, US & French pops, DJ, ads, fair w/ het (Roberts 3/27, Schwartz 3/19, Cosier-AUST 3/10).
- 15385 ITALY RAI; 1702 II, IS, ID, into nx, poor (Jones 4/2).
- 15385 USSR RM; 0132 Chinese, R. Peking used this freq a year or two ago to N.Am. but now it's R. Moscow, stronger than 15455 (Hauser 4/2).
- 15395 USSR "R. Tashkent Alma Ata"; 1500 EE, nx, //12010 (Zilmer 4/2).
- 15400 ITALY RAI; 1825-1905\* II, IS, to L.A. (Green 3/17, Noonan 4/8).
- 15415 HUNGARY R. Budapest; \*2030-2040 GG, nx, cmtry, poor (Hermann 4/2).
- 15420 BRAZIL R. Clube de Ribeirão Preto; 0000 PP, sports, p (Zilmer 3/24).
- 15420 CANADA RCI; 1853 Czech to 1900 FF to Eur. (Padula 3/13) Not Daventry -ed. 1959\* EE, freq allocation discussion (Hoffmann 4/2).
- 15420 JAPAN NHK; 0059 JJ, 0130-0200 EE (Florian 3/8, Brown 3/28).
- 15425 AUSTRALIA ABC-Perth; 2350-0015, nx, time "8:00", hamburger report, QRM from Taiwan (Hermann 3/7, Hauser 3/15).
- 15425 TAIWAN VOFC; 0002-0100 CC, 0100-0200\* EE (6 reporters).
- 15435 MALAYSIA BBC W.S.-Tebrau; 2315-0022 (Thompson, Mackay, & McManus).
- 15440 PHILIPPINES FEBC; 2330-0009 EE, 0049-0142 CC (6 reporters).
- 15455 USSR-Simferopol (Ukrainian SSR) Rodina; Atlantika (5 reporters).
- 15512.5 ISRAEL IBA; 1613 ?-lang; M&W, IS, ID, poor, //12025 (v. poor), 11960 (fair), 9815 (fair) (Hutchins 3/20); 1710-1725 Hebrew (Mahler 3/13).
- 15520 PAKISTAN RP; 1428-1500 EE, Cricket matches, QRM from anti-IBA jammer (Richardson 3/22, Sherman 4/2, Hauser 4/2).
- 15545NF SPAIN RTVE; variable sked roughly Mon-Sat (off Sun) \*1140-2300\*, possibly 20kw Arganda xmr, //584khz per Noel Green. (Magne 3/23+); 1230 SS, hard to figure any reason for them appearing on this oob, unlisted channel other than to spoil Israel (Hauser 3/30) Well, of course not RTVE's first oob, e.g. 9360 -ed. 2140 SS, IS, mx & nx in SS, also heard 1400 & 2224 other days (Richardson 3/28).
- 15662 FRANCE R. Monte Carlo feeder, ex-15575, 1720 AA, pops (Hauser 3/27).
- 17670 EGYPT R. Cairo; 1830\* AA, HS, clock chimes on 1/2-hour and off, seldom noted here, //17745 much stronger (Hauser 3/27).
- 17690NF EGYPT R. Cairo; 1555-1615 African langs, chimes, ID, usual Arab mx theme at 1600, good now that BBC has vacated 17685 (Magne 4/3+).
- 17700 HOLLAND RN-Lopik; 1830 EE, "Happy Station" pgm, poor (Zilmer 3/13).
- 17720 FRANCE RFI; 1757\* EE, PCA end (Jones 3/12). Now FF at this hour-ed.
- 17745 EGYPT R. Cairo; 1430 AA, ID, ann'ts, mx (Schwartz 3/19). Last month I mistyped "1"s for "7"s but order is correct, not mis-sorted -ed.
- 17755 ECUADOR HCJB; 1701-1931 EE, "DX Party Line", "Passport", //15310, to Europe (Schipelliti 4/11, Noonan 4/8, Schwartz 3/27).
- 17755 ITALY RAI; 1405 Italian, nx, ID, fair (Schwartz 3/27).
- 17760 NETH. ANTILLES RN-Bonaire; \*1830-1950\* AA (Bogel 3/25, Lambard 3/21).
- 17770 SWEDEN RS; 1359+ FF after multilingual IDs (Jones 4/3).
- 17775NF AUSTRIA 1206-1230 GG to 1230 EE for Aus/S.As. (Bunn 3/14, Padula 3/7).
- 17795NF SWEDEN RS; 1402+ EE to S.As., ex-11925 (Padula-AUST 3/11).
- 17800 NORWAY RN; 1625 SS to L.Am., good (Jones 4/2).
- 17800 TAIWAN VOFC; 2325 SS, US/CC melodies, bad modulat. (Hoffmann 3/26).
- 17825 JAPAN NHK; 0138-0200 EE, nx, weekly nx review (McManus 3/28).
- 17870 AUSTRALIA RA; 0220-0521 EE (Thompson 3/26, Hoffmann 3/12, Bogel 3/25).
- 17880 GERMANY E RBI; \*1200 EE to S.E.As., QRM DW 17875, poor (C. Hoffmann 3/23); 1435 EE (Schwartz 3/19); 1530-1540 EE (Hermann 4/3).
- 17890 TAIWAN VOFC; 2140-2240 EE/?-lang, nx, mx (5 reporters).
- 17900 VATICAN VR; \*1630-1715 AA?/EE, rel. nx (Jones 3/12, Brown 3/19).
- 18226 HONDURAS LV del Junco; 2144 SS, 6075.3 x 3, frequently noted here, PSA about Honduran coffee (Hauser 3/10). The fact that it is a 3rd harmonic implies they are using a center-fed dipole antenna -ed.
- 21460 BELGIUM BRT; 1315 FF, tlk by M, mx (Green 3/24).
- 21500 USA AFRTS via VOA-Greenville; 1443 EE, back on 13 m. (Hauser 3/19).
- 21604NF KUWAIT RK; 1050 AA svc., songs & ann'ts, ex-15415 (Padula nd); 1357 "Huna al Kuwait", good for at least an hour (Hauser 3/19).
- 21700 PORTUGAL RP; 1530-1557 PP, soccer, mx (Gaffin 3/20, Hones 4/2).
- 23420 ARGENTINA RAE; 2230 SS, 11710 x 2, mx, p, but //11710; 'tis the season for trans-equatorial openings as high as 30 MHz. (Hauser 4/2).



Distr. Editor: Greg Ravenhorst

# FRENDX CREDITS

Rural Route, Hollandale, MN. 56045

Thank you to 86 reporters this month. Quite a bit down from last month.

Brian ALEXANDER, Mechanicsburg, PA (DX-160)...Martin ALINTUCK, Natick, MA (DX-160)...Gerry BISHOP, Christiana, PA (DX-160)...Bill BOGEL, Santa Barbara, CA (FRG7)...William BREEDEN, Biloxi, MS (R4B)...Mike BROOKER, Toronto, Ont, Canada (TFM 8000W)...Larry BROOKWELL, San Diego, CA (R4B)...W. Noel BROWN, Ann Arbor, MI (SB-313)...Peter BUNN, Hightett, Vic, Australia, (HA-600A)...Geoff COSLER, Burwood, Vic, Australia (Trio 9R5DS)...Robert CRAIG, Danvers, MA.... Hadley CRESS, Harrisonburg, VA (R4C)...William DAVENPORT, Nashville, TN(DX160) Kenneth DELONG, Topton, PA (IGF-5900W)...Ken DUKE, Columbus, OH (HRO-500)... Kenneth EARHART, Allentown, PA (FRG7)...Larry EDELSTEIN, Centereach, NY (SPR4) Don ERICKSON, Riverside, CA (R390A)...Jay FLORIAN, Round Lake, IL (SPR4)... Barry FRAJER, New York, NY (DX-160)...Robert FRASER, Cohasset, MA (XCR30)... Adam GAFFIN, Brooklyn, NY (SSR1)...Dan GALLAGHER, Denton, TX...George GREEN, Houston, TX (DX-160)...Peter GRENIER, Azusa, CA (FRG7)...Editor Glenn HAUSER, Knoxville, TN (FRG7)...Frank HERMANN, Kitchener, Ont, Canada (DX-160)...Daniel HERSH, Hollsopple, PA (SPR4)...Charles HOFFMAN, Manheim, PA (DX-160)...Werner HOFFMANN, Santa Barbara, CA (CRF320)...Charles HUTCHINS, Rumfort Pt., ME (FRG7) Chris HYNES, Erie, PA (Zenith Oceanic)...Aaron HYWARREN, Winnipeg, Man,Canada (AR2A)...Dale JOHNSON, Winnipeg, Man, Canada (SX-42)...Jack JONES, Jackson, MS (dx-160)...Terry KRUEGER, Casselberry, FL (QR-666)...Robert KUKAN, Irvington, NJ, (DX-160)...Creede LAMBARD, Billings, MT (FRG7)...Dan LAWRENCE, Wynyard, Sask, Canada...Irving LEFFLER, Brooklyn, NY (DX-160)...Diane LEVESQUE, Carbondale, IL (XCR-30)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...Daniel LUCE, Austin, TX (SW-717)...Chris McLANAHAN, Rohnert Park, CA (SX-190)...Bob MCCOY, Lincoln, NE (DX-150B)...Pete McLAUGHLIN, Dover, DE (SPR4)...Kevin McMANUS, Fort St. John, BC, Canada (DX-160)...Don MACKAY, Newark, DE (SPR4)... Larry MAGNE, Philadelphia, PA (R4B)...Ernie MAHLER, Milwaukee, WI (FRG7)... Albert MILLER, Jr, Youngstown, OH (HRO-500)...James MULVEY, Seaford, NY(DX160) Timothy NOONAN, Milwaukee, WI (SW4A)...John ONKEN, Metamora, IL...Robert OTTAWAY, Denver, CO (FRG7)...Bob PADULA, Surrey Hills, Vic, Australia (CR100) Andre PINEAULT, Ancienne-Lorette, PQ, Canada (SX-190)...Alan PLOTNICK, Hamden CT (SPR4)...George POPPIN, San Francisco, CA (FRG7)...David POWELL, W. Glamorgan, Great Britian (FRG7)...Edward PYATT, Philadelphia, PA (XCR-30)...Editor Greg RAVENHORST, Hollandale, MN (R4C)...W. Conrad RICHARDSON, Lynchburg, VA (SRR-13)...Jim ROBERTS, Winnipeg, Man, Canada (Eddystone 940)...Don ROJEWSKI, Tacoma, WA (SPR4)...Keith RUSSELL, Santa Fe, NM (SX-100)...Garry SAPOZNIKOW, Winnipeg, Man, Canada (FRG7)...David SARRAZIN, Denver, CO (Unelco 1914)... Neil SCHULMAN, Brooklyn, NY (FRG7)...Richard SCHWARTZ, Dover, DE (SX-190)... Clayton SHERMAN, Hoosick Falls, NY (SPR4)...James SMALLWOOD, Highland Home, AL (Mark 4)...Editor Myron SMITH, Spencerport, NY (SX-190)...Dan STAUNER, Madison WI (DX-120)...Richard SWANSON, Wellman, IA (DX-160)...Leon TANNENWALD, New York, NY (SPR4)...Glenn THOMPSON, Deming, NM (HQ-145A)...Allan TROSTER, Toronto, Ont, Canada (XCR-30)...John TUCHSCHERER, Neenah, WI (HQ-180A)...Dave VALKO, Dunlo, Pa...Mike WILLIS, Hampton, Vic, Australia (Trio 9R59DE)...James WILSON, Jr, Lincoln, NE (SW4A)...Frank WOLTMAN, Cambridge, WI (DX-160)...John WRIGHT, Jr, Morristown, TN (DX-160)...James YOUNG, Wrightwood, CA (HQ-180A)... Finally, my cleanup man, Robert ZILMER, Milwaukee, WI (R390A).....

**THINGS HAVE CHANGED** You will notice that beginning with this issue, I am only listing the primary reciever of each contributor. This is an effort to save space for other items. I had to guess as to the primary reciever for many of you, so correct me if I put down the wrong reciever as your best one.

**WANTED** Alignment procedure for Lafayette KT-320 reciever. Contact:R.F.Craig 370 Olde Maple Street, Danvers, MA 01923

**HELPING HAND** For Sale. One pair of Telex C-1210 Headphones. \$20 including mail via UPS. Send cashier check or money order. Almost new, but they don't match my reciever's impedance. In original packing. Good for from 4-20 ohms. Ideal for 16 ohms.Contact: Regino Rincon, 625 Ft. Worth Dr. #36, Denton, TX

**IN CLOSING** Special thanks for you 10 reporters from Canada this month, 76201 especially my friends from Winnipeg. The DX-160 was the most used reciever this month, with FRG7-2nd, & SPR4-3rd.Glad you're still with, Glenn. Too bad, John. SUPPORT YOUR EDITORS! THEY NEED TO HEAR IT! ALL 15 OF US! 73's. *Greg*

# NASWA

A REPORT FROM  
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION    POST OFFICE BOX 13    LIBERTY, INDIANA 47353 U.S.A.  
MAY, 1977

MORE ABOUT LAST MONTHS EDITORIAL: So far it's too early to get too many replies to last month's editorial. By the time most people got the April FRENEX until the time this is prepared for the May issue, only a couple of weeks have elapsed, so we look to have more responses next month. Some of the replies received are published elsewhere in this issue.

During the past recent weeks and months, we have had a number of letters to call our attention to certain spots in the club Constitution which apparently need additional discussion despite the overwhelming vote of ratification. We urge all NASWA members to re-read the Constitution and consider the alterations presented here in this issue of FRENEX.

The two major points of controversy were articles C and E. Some members were not satisfied with leaving appointments of editors and other officials solely to the discretion of the Council. So be it. A compromise has been worked out and is offered here. In order to preserve the best measure of professionalism and service to the members, we propose that the Council and the general membership together decide who serves NASWA. On the subject of reimbursement for officers, some members hesitate to leave such an authority to the discretion of the Council Members who appeared to have authority to pay themselves. We intend to define this more positively.

Please consider the proposed amendments. Write to HQ and let us know what you think. If everything is workable to the organizations satisfaction, another vote for ratification of the amendments will be called for in June. Those who may be new members since the Constitution was proposed in October 1976, may request a copy by sending a self addressed and stamped envelope to HQ requesting a copy for their examination.

DX HOTLINE TO RETURN: Several applications were received in response to our announcement in the April FRENEX for a new DXH editor. We had hoped to be able to make an announcement in this issue on the new editor, however we are still in the process of firming up our choice and as to when DXH can continue. As mentioned in the April FRENEX, all who have subscribed for the mid month DXH will receive the full twelve issues they paid for.

NASWA COUNTRY LIST CHANGES: Don Jensen, NASWA Country List Chairman reports his committee is adding the following new countries to the list, effective when the stations involved begin broadcasting:

<u>COUNTRY</u>	<u>STATION SITES</u>	<u>CONTINENT</u>	<u>NOTES</u>
Monserrat	-----	NA	Deutsche Welle and BBC relay station
Guam	-----	OC	Transworld Radio
Commonwealth of the Northern Marianas	Saipan	OC	FEBC

All who are maintaining a NASWA country list should make the proper notations as above.

CENTRAL INDIANA DXING GROUP FORMING: Word has been received that an effort is underway to create an informal group of Mediumwave and Shortwave listeners from the central Indiana area. This will be a "cost-you-nothing-to-participate" group to exchange information about hobbyists living in the same general geographic area.

Those central Indiana DXers interested in knowing more, contact Serge Peter Neumann, 5365 North Guilford Avenue, Indianapolis. IN 46220. or call mornings before noon or anytime weekends. 317/255-9140

ONTARIO DX ASSOCIATION SEEKING NEW MEMBERS: The ODXA has a membership drive underway. Membership is limited to Ontarians. Dues are only \$7.00 for students and \$10.00 for non-students. A sample bulletin and additional club info is free of charge and can be obtained by writing to the Membership Secretary, 134 Clarke Road, London, Ont., Canada N5W 5E1

**HAP CASSETTE TAPE SALE:** The Handicapped Aid Program is having a special clearance sale of their popular Ident & Interval Signal Series Cassettes in order to make way for a new series to be available around the middle of the year. The African stations Ident & IS cassette is now priced a \$3.00; the European Ident & IS cassette is now \$3.50; the Pacific, Asian, Americas Ident & IS cassette is also \$3.50; the Foreign Language Recognition Course is now \$3.75. All four cassettes as a complete set is \$13.00. Order from Wayne A. Davis, Director, HAP-US, 27 Cleveland Avenue, Trenton, NJ 08609, or Bill Dulmage, Chairman, CHAP, RR#3, Colborne, Ont., Canada K0K 1S0. Payment must be by bank or postal money order only and payable to the Handicapped Aid Program. No personal checks accepted.

**DIRECTORY OF DX CLUB PUBLICATIONS:** The third edition of the Association of North American Radio Clubs (ANARC) "Directory of DX Club Publications and Services in North America", compiled by Jim Thornton, Chairman of the ANARC Public Relations Committee is now available to anyone interested and who writes to ANARC, 557 North Madison Avenue, Pasadena, CA 91101 and sends a large business size (#10) self-addressed envelope with .24¢ U.S. postage. Canada, send a SAE plus .24¢ in mint Canadian stamps. Overseas, send the equivalent of .62¢ U.S. postage in mint postage of your country, or three IRC's.

**ANARC CONVENTION PLANS TAKING FORM:** It is confirmed that the 1977 Association of North American Radio Clubs annual convention will be held July 15, 16, and 17, 1977 in Schaumburg, Illinois under the leadership of the Woodfield International DX Club. Schaumburg is approximately 30 miles northwest of downtown Chicago, Illinois. Registration fee will be \$10.00. Additional details to appear in the June issue, or send a large size, self addressed envelope to WIDXC - ANARC 1977, P.O. Box 95073, Schaumburg, IL 60195.

REVISED ARTICLE E

COMPENSATION FOR SERVICES

Section 1: The editor staff is authorized to be reimbursed for any personal monies they spend on behalf of their responsibilities to NASWA. Such reimbursements may include clerical necessities such as typewriter ribbons, paper, envelopes, postage, and necessary telephone calls. Other expenses will be considered. A monthly statement of such expenses will be required for reimbursement.

Section 2: The Executive Director and Council Members are authorized to be reimbursed for any personal monies they spend on behalf of their responsibilities to NASWA. Such reimbursements may include clerical necessities mentioned in section 1 above. In addition, the Executive Director and Council Members are authorized to be reimbursed for their additional expenses related to club officership; including telephone bills, gasoline used in line of duty, heavy-weight mail and shipments, post box fees, and authorized promotion expenses. A monthly statement of such expenses will be required for reimbursement.

Another change not mentioned above, but agreed upon was a slight revision in ARTICLE A, Section 3, to add the word broadcast to refine what our Objectives are, SWBC ONLY, (SWBC is defined in pages 1 and 2 of latest NASWA Country List). The revised Section 3 reads: The Objective of this Association shall be to promote unity and friendship in the hobby of radio monitoring; to disseminate information useful to and relative to the shortwave broadcast listening hobby; and to foster and encourage the hobby of shortwave broadcast listening only.

## MASTER NIGERIAN DXER

John Sgrulletta

## SOVIET SPHERE DXER

Myron Smith

## ECCOESIASTIC DXER

Roger DeRoy  
 Albert Garrou  
 Adam Gaffin  
 Paul Buer  
 Carroll W. Senn

## VOA DXER

James B. Wilson, Jr.  
 William Trubee  
 Bob Underdown  
 Paul Buea

## SENIOR BRITISH COMMONWEALTH DXER

Myron Smith

## MASTER BRITISH COMMONWEALTH DXER

Bruce Churchill

## ARAB WORLD DXER

Bruce Churchill  
 Myron Smith

Well, that takes of the first 3 months of 1977. It was a very busy 3 months for the awards program, with a total of 75 awards issued. This tells me that a lot of people are really interested in the awards program and this really pleases me. Thank each and every one of you that have expressed pleasure in the program. This awards program is yours and I do hope that I can keep it challenging for the NASWA membership. In the next 3 months, I will be announcing the requirements for 3 new awards--One for a Senior Ecclesiastic Dxer award, and two for receiving verifications from Papua New Guinea. Please do not flood me with requests for information regarding the requirements for these awards, for the announcement will be in FRENDX in the very near future. Thanks to all of you who suggested ideas for new awards--they are under active consideration. Keep those cards and letters coming.

I am going to have to request that in the future, you only send 10¢, 3¢, or 13¢ stamps for payment for awards fees. You can of course still send checks, money orders, cash, or IRCs. PLEASE DO NOT SEND STAMPS UNLESS YOU SEND THEM IN THE ABOVE AMOUNTS. It is impossible for me to use things like 23 ¢ stamps or 9¢ stamps in the awards programs. Since this program is essentially non-profit I would appreciate this very much. Until next time,

*Dan Henderson*  
 Dan Henderson  
 chairman

HELPING HAND: For sale. Unmodified AX-190 with speaker and assortment of crystals for SWEC bands. Asking \$170.00. Contact Brandon Lovett, 421 East College Street, Coldwater, OH 45828, or call 419/678-3138 (not collect)

HELPING HAND: For sale. Will sacrifice AX-190 for \$100.00 including shipping anywhere in U.S.A. Is unconditionally mint and with owners and service manuals. Speaker included. Must sell to buy FRG-7. Contact Carroll Senn, 226 South Maple St., Columbia, SC 29205 or call 803/799-1941 after 0030 GMT.

HELPING HAND: MUST SELL. Drake SPR4, 10 months old, mint condition, basic equipment, best offer will be accepted, postpaid in Canada (original manual and spare parts list included), Contact, Ciro Guarducci, P. O. BOX 173, Cassiar, B.C., V0C 1E0, CANADA, 604-778-7745.

HELPING HAND: For Sale; Drake SW-4A, in excellent condx, Gilfer mods, retubed and retuned, w/in past 6 months comes w/3 widely acclaimed books on the hobby - all for \$250 and I'll pay UPS. Write, Bill Whitacre, 2609 Devonshire, Lansing, MI 48910 or call 517-482-7996; also for sale, Dictaphone Dual 24 hour logger tape station; 2 decks, common rcd amp, spkr in super strong 6 ft. steel rack-cabinet & 12 10 in. NAB reels of tape, 8 channels on each deck - perfect for those mornings when you can't stay up 'til Andorra signs on - yours for just \$500, pick-up preferred - rough to ship. Same address and phone as above.

# log report section



Daniel A. Robinson, EDITOR  
Box 404, Letts Hall  
American University,  
Washington, DC 20016

1605-4900 kHz

MAY 1977

A welcome to all our new reporters for this month, and I hope you will all be supporting LR-A during the summer months. I can say tentatively, at this point, that the above address may not be valid beginning around May 8, so all correspondence should go to 44 Spring Valley Rd., Levittown, PA 19056. LR-A has been honored by some excellent DX this past season, the last of which was the reappearance of Surinam, so read on for the news!

- 2360 GUATEMALA R Maya de Berillas; 1037-1125 SS/Indian, ID, hymns, polka mx, w/low pitch HET (Jones, McCoy)
- 2390 GUATEMALA La Vos de Atitlan; 0130-0200 in SS w/orch mx, vocals, guitar mx and tks, ID's (Thompson 3/30)
- 2400 VENEZUELA R. Tiempo; 1155 in SS with LA inst mx (Grenier 4/2) WRTH lists this one on both 1200 and 2400 but w/different powers--DR
- 2566 USA WJW/R Huayacocotla; XEJN, the 500 watt Mexican Peasant station is now relayed by WJW, Jacksonville, Florida at irregular hours; first noted 3/10 at 2337 w/SS mx, ID as "XEJN" and off briefly at 0053. .poor quality pickup including relayed noise bursts, sounds like mike-to-speaker; 2358 ID as R. Huayacocotla, mx, and at 2359 replaced by WJW marine operator w/wx; 2390 is rx freq for WJW but they relay XEJN much of time(Hauser) WRTH '76 lists XEJN 2390, but not '77--DR
- 3200 CHINA PLA-Fushou; 1412 CC, flute type oriental mx, W w/poss ID (Hoffmann 3/12)
- 3205 BRAZIL R Ribeirao Preto; 0025-0042 PP, light PP vocals, M ancr (Krueger 3/21)
- 3206a DOM REP LV de la Libertad; 0045 SS, native vocals, M in tlk, mention of "República Dominicana" thru noise (Florian 3/21)
- 3210 MOZAMBIQUE R Mocambique; 0354-0435 PP, must have been on earlier, chimes 0400 w/ment "Mocambique" anmts, lcl & some EE pop mx (Krueger 3/13)
- 3205t JAVA RRI-Bandung; 1358 Indo, Song of Coconut Is, mx (Hoffmann)Out of order--DR
- 3222 TOGO Lama Kara; 0530 in FF w/group songs, ID; 5047 carried same px but not // (Hoffmann 3/26)
- 3223 SWAZILAND Swazi Commercial Radio; \*0400 EE ID, for "Radio Truro" but vy weak and HET from UTE (Mackay 4/8)
- 3232† UNID; African w/FF tlk and mx, some anmts at 0224; hrd til fade 0330--seems like it could be Malagasy. Any ideas?(Young 3/20) Yes Jim, Congo was noted here a few months back and this early. I too, thought Malagasy until they ID'd--DR
- 3235 MOZAMBIQUE Beira; IS under RTTY 0350, anmts in PP, then heavy RTTY buried them (Young 3/4)
- 3235 INDIA AIR-Gauhati; Presumed the one here w/EE mx about elections 2035, special all-night svc//other outlets-3295, 3315, 3355 (Padula)
- 3240 PERU R. America; 0450-0504 SS, US pop mx, ID 0503 (Tuchscher) SS mx, ID 0641 and //6010, hrd past 0653 (Young 3/3)
- 3240 SWAZILAND TNR; Rel singing, EE ID and IS at 0416, 0417\* (Mackay 4/7)
- 3245 VENEZUELA R. Libertador; 0155-0357 SS tlk by M&W, LA mx, ID's (Schwartz, Brook-wall, Green)
- 3250 SOUTH AFRICA SABC; 0141-0158 w/light mx, EE tlks, GRM Libertador (Green, Schwartz)
- 3255 VENEZUELA LV del Tigre; 0220 in SS, mx (Schwartz)
- 3260 ECUADOR LV del Rio Carrisal; 0445-0449\* in SS w/closing anmts, ID (Tuchscher)
- 3260 UNID; 0428-0435 GG, bells IS and into W w/numbers(Schulman) For these who are new to SWL/DX, these numbers stns often GRM real bdst stns. They are, as of now, unexplained. Repeating them is optional, but not necessary--get the drift?--
- 3275 VENEZUELA R. Mara; 0145-0225 SS, drum mx, LA mx, ID's and ads(Schwartz,Tannenwald)
- 3275 UNID; 2344-0000e in AA cnty, Western classical mx--Beethoven(Schwartz) No idea now, but perhaps Mara w/AA px? Other than that-- freq error, rx pblm???
- 3280 ECUADOR LV del Napo; 0132-0150 in SS, tlk by M, ID, mx (Tuchscher)Id for this: "Desde la ciudad de Tena, capital de la provincia del Napo en Ecuador, transmite.."
- 3285 HELIZE RB; \*1200 EE, anthem, ID, freqs-SW freq anod as 3.3 mcs, all this on Sunday morning late s/on(Jones) 0150-0507 EE, rock mx, frequent;ID's/TC's(s 6 rpters)
- 3295t BRAZIL R Tapuyo; PP anmts, pop mx, "Aqui....." at 0829 (Young 3/19)
- 3295 VENEZUELA R. Trujillo; 0010-0020 SS, Venezuelan pops, M ancr, ads(Krueger)

- 3300 GUATEMALA R. Cultural; 0110-0345 in SS & EE rel. px, hymns, "Back to the Bible" M w/ID 0300 (7 rpters)
- 3306 RHODESIA RBC; 0411 in EE tlk, poor w/QRN (Schulman)
- 3315 MARTINIQUE Fort de France; 1007-1019 w/flute and drums mx, pops, Excellent sigs (MacKay, Jones) 0045-0135 FF tlks, EE ballads (Lineback, Wright)
- 3315 ECUADOR R Pastaza; 0245-0405\* SS, M in tlk, NA at s/off(Tuchscher) 0342 SS, Andean mx, M in tlks, ID (Miller)
- 3316 SIERRA LEONE SLBS; 2345-0015\* w/lcl mx, ID 0000, rel px to 0015 and ID, off w/anthem; apparently on late on Saturday(McGonnell, Schulman, Alintuck, Schipelliti) \*0600-0710 EE/vern, IS, band, and into EE rel px, Vern mx 0630, EBC 0700 Krueger, Hoffmann, Luce)
- 3325 GUATEMALA R Maya de Barillas; 0003-0340 in SS, ID's orch mx, tlks, vocals, pops. (Green, Luce, Thompson, Schwartz) \*1000 ID, march mx (Mackay)
- 3325 VENEZUELA R Monagas; \*1002 w/marly ID's, "Buenos dias," YV mx(Jones) \*0955 NA played twice through, ID (Mackay)
- 3335 1/2 SENEGAL Ziguinchor; 0610 w/AA chants, little QRN (Young 3/8)
- 3337 v UNID: 0350-0410 in lang, exact time given 0400, station theme, song seemed to be "A Walk in the Black Forest," no ID hrd(Ravenhorst 4/2) Mozambique-city? New type drum IS 0250, not like normal Maputo IS, into PP 0255, mx anmts, // 3210; starts at either 3336 or 3337 and drifts slowly upwards to either 3338 or 3339 in 1 hours time(Young 3/8) 0405-0426 lang, M w/tlk, vocal mx(Duke)I very much doubt Zanzibar from descriptions of programming--DR
- 3350 GHANA GBC; 2246-2304\* in vern, rx, hymns, NA (Krueger)
- 3355 VENEZUELA R Impacto Valencia; \*0958 NA, chorus, ID, freqs (Jones) 0223-0400\* SS, LA mx, pop mx, vocals, QRN Nahuala (Bishop, Schwartz, Tuchscher, Duke)
- 3360 GUATEMALA LV de Nahuala; 0030-0050 LA mx, frequent ID's and SS tlk(Gallagher)
- 3365 VENEZUELA R Puerto La Cruz; 1039 SS, ID, TC, commls, mx(Jones) 0342-0359\* LA mx, ID, NA at s/off (Tuchscher)
- 3366 GHANA GBC; 2235-2307\* EE, mx, hymns, NA at s/off (Schwartz, Krueger)
- 3380 MALAWI MBC; 0345-0350 in Chichewa, African rythms, EE TC's (Schipelliti)
- 3380 ECUADOR R Iris; 1121-1130 SS, W ancr, Ecuadorian mx, ID (Tannenwald, Jones)
- 3380 GUATEMALA R Chortis; 0006-0300 SS, LA mx, marimba mx, vocals; ad for Coffee... (Schwartz, Luce, Thompson)
- 3385 VENEZUELA R Barcelona; 1005 SS, ID, anmts (Mackay)
- 3385 FR GUIANA Cayenne; 0857-0930 FF, M&W in tlk; test tone before s/on, guitar IS, French NA, ID by M(Tannenwald, Breden) 0405-0415 FF tlk, poss ID (Schulman)
- 3390 ECUADOR R Zaracay; 2315 SS, tlks and ads, ID (Tannenwald) 0417 LA mx(Schulman)
- 3395 VENEZUELA R Universidad; 0130-0358 SS, orch mx, vocals, piano mx, ID's(Schwartz, Tannenwald, Schipelliti, Thompson)
- 3396 RHODESIA RBC; 0359-0430 EE, ID, mx, mx, ad for Breakfast foods(Green, Wright, Thompson, Schulman)
- 3481.8 UNID: Andean-type mx 2352, 2355 W in tlk in SS--perhaps Alfonso Padilla Vega varying down! (Hauser)
- 3491 1/2 UNID: Probably Indo here w/"Love is Blue" and off(Young 3/18) Time?
- 3509 v INDONESIA RPD Tingkat 2; 1400 Indo, the IS reported in April IR-A before the rx is in fact RRI Surabaya's-this stn relays the IS and rx(Cosier)
- 3550NF INDONESIA RRI-Kupang; 1400 Indo w/lcl ID, then own mx--ex 3385 again (Cosier 3/6)
- 3884NF PAKISTAN RP; 1420 Urdu, Pakistani mx 1420, Urdu anmts 1427--either NF or drift from 3893 (Cosier 3/6)
- 3905 ADMIRALTY IS R Manus; 1035-1102 Pidgin w/C&W mx, tlks, ID and rx 1100(Bishop)
- 3910 JAPAN FEN; 1053-1117 pop mx, EE rx (Smith)
- 3919 KOREA (S): AFAN hrd here with ID's for AFAN Radio, all in EE at 1355; service-men ads, tlks, mx, past 1431. This must be over Seoul Xmtr same freq(Young 3/5)
- 3925 PAPUA NEW GUINEA NBC; 0830 EE, interview, ID (Duke)
- 3952 GT BRITAIN BEC; 0700 in EE w/W.S. n. //5975-these LP 75 meter Europeans are now hrd daily w/at excellent lvls (Cosier 3/20) 0400 in Romanian, nx after IS(Schulman)
- 3965 SOUTH AFRICA SABC; 0434 in Afrikaans tlk, EE ID //3955--WRTH lists two px but mostly // (Brookwell)
- 3970 GT BRITAIN R Canada Int'l: My item in Ap IR-A in error, should have been RCI Daventry Relay, not BEC (Mackay)
- 3985 SWITZERLAND SBC; 0645-0703 w/EE mx, Dateline, better than 61651! Soon we'll be getting this 24 hours! Xmtr site is Lenk per SBC (Cosier) Swiss mx, ID and Dateline, excellent sigs (Mulvey)
- 4115 N. KOREA V of Rev Party; 1403-1420 EE, two ID's as "V of Rev Party" and "Workers of Rev Party." (Poppin 3/19)
- 4485 ASIATIC SSR Ufa; 0822 in poss RR tlk by W&M, piano mx (Breden)
- 4680 ECUADOR R Nac Espejo; 0050-0530 SS, folk mx, many ID's and SS tlks, sports rpts (Thompson, Tannenwald, Hoffmann)
- 4684 1/2 UNID: 0710-0720, W in lang tlk, perhaps RR; suddenly off 0720 in what sounded like mid-sentence(Bogel 3/22) Sure this was a bdcst stn?--IR
- 4719 SULAWESI RRI-Ujung Pandang; 0950-1523\* Indo tlk, mx(Cosier, Lineback, Poppin, Bogel)

- 4725 BURMA BBS; 1117-1137 M&W in lang, oriental mx(Smith) 1439-1500, a mess w/two pxs swapping domination-one w/oriental mx and songs, W in tlks in lang, other w/M in tlk, ballads and rock; no //5040(Brookwell)
- 4735 PAKISTAN RP; HS w/male vocalist, subcont song 1545, local ID\*for "RP" at 1554 (Bunn)
- 4738 BOLIVIA R Abaroa; 0427-0440 SS, folklorico mx w/flute & accordian, amnts and Intros of mx by M, ment of Bolivia and one TC noted (Roberts)
- 4755 INDONESIA UNID: 0930 in Indo //6070 Jayapura mx (Cosier 4/1)
- 4755 COLOMBIA En Nuevo Mundo; 0500-0814 LA mx, SS tlks(Luce, Bunn, Stauner, Hoffmann)
- 4760 SWAZILAND T&R; 0423 in Afrikaans, rel. mx and amnts till 0451 (Young)
- 4763½ PERU R Inca del Peru(T); 0912 in SS, mx and Andean mx, occ amnts by M w/TC for Peruvian zone (Cosier 3/28)
- 4765 CONGO LVR; 2150-2335 FF, mx, tlks on Afr politics; durge mx for dead Congolese president(Hermann, Schwartz) 0325-0340 FF, M in tlk, Af. mx w/drums(Bogal)
- 4765 ECUADOR C.R.E; 1137 w/SS tlks, ads and TC's, pop mx (Jones)
- 4767.4 SUMATRA RRI-Medan; 1525-1550 in Indo tlk by M, mx (Bogal)
- 4770 LIBERIA ELWA; 2110-2225 in EE w/rel. hymns, ID(Powell, Schwartz) 0643-0711 w/BBC mx 0700, rel. mx, ID, lcl mx items (Ottaway, Hermann, Stauner, Hoffmann)
- 4770 VENEZUELA R Bolivar; 0115-0415 in SS, ID0400, LA mx (Tannenwald)
- 4771.1 UNID: 0918-0929 PPI M w/vocal, xylophone, guitars, M ancr (McLaughlin)
- 4775 AFGHANISTAN RA; 1307-1320 in Urdu tlks, subcont mx, ment Afghanistan, Kabul (Roberts)
- 4775 BRAZIL A Voz do Oeste; 0025-0040 PP, Braz/US pops, football promos, amnts, ID and jingle 0132; ads (Roberts)
- 4779 UNID: Probably N. Vietnam, w/oriental flavor, amnts, mx all in EE-badly faded by 1330 after t/in 1305 (Young)
- 4780v SURINAM Radio SRS; The suprise of this IX season- 0010-0330\* in Dutch, EE, and SS playing US and LA pops; EE ID's requesting rpts to Box 271, Paramaribo, Republic of Surinam; DJ saying "Hello to all of the SWL's out there listening in US! Also requests for "broadcast recordings." 0850 in Hindi presumed w/mx, some Dutch and ments of Surinam; S/off 0330 preceded by short choral anthem. Consistently excellent sigs here although //725 sometimes better( 20 rpters!!) This undoubtedly qualifies as the hottest IX event this IX season--DR
- 4780 GUINEA BISSAU Radiodif Nac; 0556-0732 from s/on with drum IS, ID and NA; lovely stringed mx and vocals, guitar/folk mx w/o amnts; some PP political tlks with mentions of "Cabo Verde" -- also 2225 to 0000\* with much of the same(14 rpters) Has not been noted for some time here either at 0600 or 2100-0000 time slot--DR
- 4780 AFARS & ISAAS Djibouti; 1446 in tent Somali lang, Koran, some amnts(Cosier) 0334-0354 w/chants, drum mx (Tuchscher, Breden)
- 4780 VENEZUELA LV de Carabobo; 0325 in SS, pop mx, TC's, ID (Jones)
- 4782 HONDURAS R. Juticalpa; 1105 SS, mx, greetings, ads and amnts, TC's (Tannenwald)
- 4785 TANZANIA RT; 0355-0415 in Swahili mx, comment, mx-clear as a bell(Schulman, Lineback)
- 4785 AZERBAIJAN SSR R Baku; 0405-0415 in lang tlk by M (Schulman)
- 4790 PERU R Atlantida; 0351-0354\* w/light SS mx, freqs, ID's and s/off amnts and NA to 0355\* (Florian) 0245-0515 "Transmits R Atlantida" w/Peruvian mx (Luce, Pineault, Jones)
- 4795 ECUADOR LV de los Caras; 0359 SS, mx, ID w/QTH, amnts (Breden)
- 4800 LESOTHO RL; 0400-0445 w/rel. service/hymns in Sesotho (Smith 3/20)
- 4800 ECUADOR R. Pop Indep; 0805-0810 w/guitar inst mx, SS ads(Bunn) LA pop mx fm 1032-1042, ID's, TC's (Roberts)
- 4800 VENEZUELA R Lara; \*0953 w/NA, ID, calls, freqs, W ancr, Venez. mx (Jones)
- 4805 BRAZIL Rdif Amazonas; 0130 in PP, ads, tlks and pop mx (Bishop)
- 4807 SAO TOME & PRINCEPE; 2215-2300\* PP, Af pop mx, ID, NA at s/ off (Bishop)
- 4810 SOUTH AFRICA SABC; 0430-0446 EE/Afrikaans, ads, mx(Schwartz, Edelstein)
- 4810 VENEZUELA R Popular; 0935-1012 "R Popular, Emisora Grande en Maracaibo" and at 0446-0451 w/pop mx (Cosier, Jones, Edelstein)
- 4815 CHINA RP; 1205-0225 Mongolian swc, mx and cowty by M, 1220 ID like "Bepeng Yarsh Bayana" CC ID by W "Chungyang J.K.T" and into rev. mx(Roberts)
- 4815 COLOMBIA R Guatapurí; 0130-0348 SS, LA mx, ads (Tannenwald, Green) 1136 LA mx and ID (Jones)
- 4820 HONDURAS HRVC; 0330-0500 w/rel. mx, mx; ID's (7 rpters) Lang is EE
- 4820 ANGOLA R Nac; 2332-2345 in PP, pop and light mx, amnts by M, //7245(Roberts)
- 4825 DOM REP LV de las Fuerzas Armadas; 0145-0358\* LA mx, ID's, NA at s/off (Duke, Luce, Poppin, Tannenwald) 1130 w/LA mx(Jones)
- 4825 UNID: 0605-0633 FF/Vern, W vocalist, FF amnts, group singing, FF anmt 0632, lang at 0633(Mackay 3/14) 2137-2142 continuous mx (Schulman)
- 4830t GABON RTVG-Franceville; 0630 FF, tlk by M, lcl mx(Stauner) This one not noted for a while, Dan--but the above UNID's seem to point to something there--DR
- 4830t JAVA RRI-Madiun; 1423-1432 in lang, presumed ID; ID, M in tlks, pos ID after mx by W - their pronunciation of "Madiun" sounds more like "Madoon"(Poppin)

- 4830 VENEZUELA R Tachira; 0315 SS, ID, mx (Bishop) 0747 SS, ID's and LA mx(Schipelli-  
4832 COSTA RICA R Roloj; 0130-0213 ID's, light mx(Luce, Kukan) 0815 SS, mx (tl)  
w/many ads (Hoffmann)
- 4835 SARAWAK RM; 1118 Malay w/Koran chants and into non-oriental mx; M in lang tlk and  
ID 1130 -Kuching HS Yellow Network in WRTH (Brookwell) 1445 w/tlk in lang by  
M&W (Grenier)
- 4835 SOUTH AFRICA SABC; 0400-0430 w/tlk in EE, TC's, discussions on animal breeding,  
a farmers program ( 7 rpters)
- 4840 CHINA PIA-Fukien; 1105-1112 in CC tlk by W (Bishop)1305-1310 CC tlks(Roberts)  
4843 CONGO Pt Noire; 2310-2340 FF, lcl mx, tlks on politics (Hermann)  
4845 MOLUCCA IS RRI-Ambon; 1112-1240 Indo tlks, lcl mx (Lineback, Bishop)  
4845 MAURITANIA Nouakchott; 2217-2258 AA/FF, AA mx, FF mx(Hermann) 0611-0736 chants  
fm Koran, AA play w/group (Padula, Schwartz)
- 4845 BOTSWANA RB; 0417-0420 tlk by W in Setswana, pop mx (Schulman)  
4845 MALAYSIA RM; 1113-1135 w/beautiful mx, W in lang tlk(Smith) 1343-1401, time  
pips and ID 1400 (Poppin)
- 4850 DOM REP R Clarin; 2349 mentioning that 25 m freq was not on the air; played  
tape of 860 outlet as recorded in Connecticut and offered to exchange DX tapes  
of Clarin for Dominican mx(Hausser) 0400-1140 inclusive, pops, TC's (9 rpters)
- 4850 MAURITANIA Nouakchott; Noted in AA cmty 2208 on 4/2-they've been varying as  
of late fm 4845-4850 (Schwartz)
- 4855 BRAZIL RC do Para; 0320-0335 PP, tlks, ID, mx(Lineback) 0925 w/Brazilian ballad  
and M vocalist, PP amts and ads to 0930 f/o-rare for Melbourne (Cosier)  
4855 Cf IR-A UNID: According to BBC, MBC/Mauritius is on this freq as I ventured to  
guess in April FRENCH--OK Geoff??
- 4860 PERU R Chinchaycocha; 0821-0824 M vocalist w/romantic style vocal-Latins now  
back in for our winter season (Bunn)
- 4860 VENEZUELA R Maracaibo; 0200-0700 SS, pops, LA mx, ads; ID's as "La Emisora  
Gigante del Zurrria" (8 rpters)
- 4865 COLOMBIA V de Cinaruco; 0933 w/DJ px, many ID's in SS (Brookwell)  
4865 BRAZIL R Soc Feira Santana; 0135-0210 PP, ads, Braz and LA pops (Bishop)  
4865 UNID; 1236-1300 M&W in CC tlk, no mx--listed WRTH as Gansu-Lanzhou HS but off  
sked:(Brookwell)
- 4870 BENIN LVR; 2109, tlk by M in FF, into EE mx 2026 w/discussion about American  
political events and rev movements in Africa(Padula) 0055 FF, lcl mx, ID 0101,  
over Ecuadorian(Cress) 0400 in FF w/rhythms(Schipelliti) 0558 (Mackay)
- 4870 ECUADOR R Rio Amazonas; 0135 SS, "Musica del campo" few ID's, mx at 0200(Bishop)
- 4872 IRIAN JAYA RRI- Sorong; 1133-1202 Indo pops, drama in Indo, W in tlks, M w/mx  
1200 (Smith)
- 4875 IRIAN JAYA RRI-Sorong; 1240 Indo, mx and tlk (Lineback)
- 4875 COLOMBIA Ecos del Combeima; 1057 w/ID, SUPER net, mx(Jones) 0344-0542 LA mx and  
TC's, ads(Hywarren, Luce, Jones)
- 4880 SOUTH AFRICA SABC; 0308-0503 in EE/Afrikaans, some rel. px, IS 0457 and into  
Afrikaans (Bogel,Tannenwald,Duke,Schwartz,Green)
- 4885 COLOMBIA Ondas del Meta; 1003-1008 in SS mx (Bunn) 0405-0503\* lcl mx, ID  
(Hoffmann, Frazer)
- 4890 SENEGAL Rdif du Senegal; 0600-0714 FF, ID, mostly FF tlk and some vern, chants,  
lcl mx on Khora (Schwartz,Schipelliti,Bogel,Willis)
- 4890 PAPUA NEW GUINEA NBC; 0758-1143, EE M&W in Question & Answer Session, Tony  
Orlando song, TC as "6:15" and into rock and sports mx 0830(Brookwell) Pop mx,  
EE mx 0800, tlks (6 rpters)
- 4895 INDIA AIR-Kurseong; EE mx about elections 2130, into Hindi 2135, then Indian  
vocals 2145; on late for special all-night election coverage 3/20-many other  
90mb outlets also hrd (Padula)
- 4895 BRAZIL R Bare; 0920 PP, nice Brazilian mx, many ads and stn promos(Cosier)  
4895 COLOMBIA Brisas del Citara; 0335-0434 w/SS tlks, TC's, "En la corazon del pueblo  
..." W interrupts mx every 2 min or so w/ID amnt (Florian,Jones,Gaffin)
- 4895 SARAWAK RM; 1417-1431 in Hawaiian mx "Aloha" before 1430 ID for "RM Kuching"  
followed by Call to Prayer (Poppin)
- 4896 UNID: Cf. Dec IR-A-6 SS lively mx, vocal and inst, W anc, ID but couldn't copy,  
Again, any help!(Bogel)No idea here-must be under Citara.....DR
- 4900 BURUNDI R Cordac; 0421-0454 w/rel. mx, amts in vern-strongest ever hrd here  
(Young) 0438 in vern w/rel. type choir mx, M in tlk (Green)
- 4900 VENEZUELA R Juventud; 0000-0700 LA mx, American pop and rock; Luce says 0700\*  
on 3/31 (6 rpters)

REMEMBER -- THE DEADLINE IS THE 12th TO GREG RAVENHORST. GOOD LUCK ON THOSE  
SURINAM VERIFICATIONS and BE ON THE WATCH FOR TWR GUAM COMING SOON TO YOUR  
LOCAL THEATRE ( RADIO RECEIVER )!!

# log report *section*



SAM BARTO  
245 CHERRY AVE. J-11  
WATERTOWN, CT. 06795

4900 - 6200 kHz.

MAY 1977

Send your reports to the Distribution Editor.

- 4904.5 CHAD RNT; 2111-2200\* in FF/lang. w/ flutes,vocals,Af. mx,ID (Bishop Schwartz,Bogel,Schulman) 0520 in FF (Bogel).
- 4905t ANGOLA; 2200-2203\* in PP w/ mentions of R. Nacional & Angola. Possibly a test. (Schulman 2/24). Good log...bears checking.
- 4905 BRASIL R. Relogio Federal; 0815-0900 in PP w/ nx,ID,ads,TC, rare in Australia. (Bunn 3/7, Willis 3/20).
- 4910 ECUADOR Emisora Gran Colombia; \*1126 in SS w/ NA,ID,theme Mx, into La Voz de Esperanza religious program (Jones 3/6).0415 sports(Rob-GUINEA Voice of the Revolution; 2211-2334 in FF w/ Af. erts).
- 4910v politics,ID(Schwartz,Hermann)0555-0715 in FF w/ mod. Af. mx(Bunn, KENYA VOK; 2113\* in Swahili,ID (Bunn 3/19). Schipelliti,MacKay
- 4913v BRASIL R. Anchanguera; 0935 in PP w/ vocals(Schulman 2/21).
- 4915 BRASIL Rdf. Macapa; 0805 in PP w/ tlks, excellent sig.(Frajer 4/6).
- 4915 CHINA Nanning HS; 1330 w/ EE lessons,ID(Roberts 3/8).
- 4915 GHANA GBC; 2145-2307\* in EE/lang. w/ nx,choral mx,rel. pgm.(Hermann Krueger).0600 in EE w/ nx //4980(Wright,MacKay,Grenier).
- 4915v KENYA VOK; 0300 in Swahili w/ Af. tunes (M. Smith 3/21).
- 4920 AUSTRALIA ABC Brisbane; 1258 w/ ID,TC, local nx & sports(Sapoznikow
- 4920 HONDURAS R. Progreso; 0445-0625 in SS w/ class. mx,ID, (Poppin,Sch-INDIA AIR Madras; 1708 w/ local singing,drums(Bunn 3/5). wartz).
- 4920 UKRAINE R. Kiev; 2110 in RR w/ cmntry(Schwartz 3/20).
- 4925 COLOMBIA Em. Meridano 70; 0935 in SS w/ ID,TC (Tannenwald 3/22).
- 4926 CHINA Haerbin; 0750 in CC w/ cmntry (Willis 3/20).
- 4930 DOMINICAN REP. R. Mil; 0821 in SS w/ big band sound(Bunn 3/11).
- 4930 GEORGIAN SSR R. Tbilisi; 0310-0428 in RR w/ Mayak IS,ID,light mx
- 4932 INDONESIA RRI Surakarta; 2130 in II w/ gamelan mx(Bunn). (Krueger).
- 4932 NIGERIA NBC Benin City; 0504 w/ "Wake Up" pgm., IS, ID, drums, Af. vocals, into tlks at 0509 (Young 3/12).
- 4935 BRASIL R. Capixaba; 0402 in PP w/ local pops,ID,jingles,(Roberts).
- 4935 COLOMBIA R. Villavicencio; 0030 in SS w/ nx,TC,futbol(Bishop).Nice.
- 4940 ASIATIC RUSSIA Yakutsk; 1320 in RR w/ ballads,cmntry(Roberts 3/18).
- 4940 ECUADOR RN; 1130 w/ chimes,ID,TC,pips,nx(Jones)0130 w/ folk mx,ID,
- 4940 IVORY COAST RTVI; 2234-2355 in FF w/ ID,cmntry,class. mx (Pyatt). EE/FF local mx(Schwartz,Hermann).
- 4940 VENEZUELA R. Yaracuy; 0410 in SS w/ ID,local & world nx,0415\*(Green)
- 4943v VIETNAM VOV; 1218-1320 in VV w/ oriental vocals,fanfare,nx(Lineback,
- 4945 COLOMBIA R. Colosal; 0420 in SS w/ ID,LA mx(Green). Hauser,Robert) 0800 in SS w/ chimes,ID, musical program (Hoffman 3/30).
- 4950 SARAWAK RMS; 1400-1557 in EE w/ BBC pgms,ID,sports tlks,nx at 1400, TC, modern EE vocals(Ottaway,Rojewski,Grenier,Poppin).
- 4960 ECUADOR R. Federacion; \*1101 in SS w/ NA,ID,TC,calls & freq.(Jones).
- 4965 COLOMBIA R. Santa Fe; 0403-0750 in SS w/ ads,ID,LA mx(Rojewski,Hoff-
- 4970 SABAH RMS; 1147-1215 in lang. w/ local mx(M. Smith). man,Green).
- 4970 VENEZUELA R. Rumbos; 0730 in SS w/ ID,LA mx(Cosier)0808 w/ ID(Bunn).
- 4972.5 CAMEROON R. Yaounde; 2110-2243 in FF w/ Af. mx,ID,cmntry(Smith,Pad-
- 4975 COLOMBIA Ondas del Orteguzaza; chimes,ID,slogans,pop mx(Jones). ula). 0943 in SS w/ tlk, mx, mentions of Florencia(Breedon 3/28).
- 4976 TAHITI Papeete; 0715 w/ mod. vocals in FF, ID, "L.M." 0730\*\*/11825 and 6135.Possible move from 3232(Padula 3/10). Very interesting.
- 4976 UGANDA UBC; 2108\* in EE w/ nx and NA (Padula 3/21).
- 4980 GHANA GBC; 0536 in EE w/ ID,hymn,schedule(MacKay).0600 w/ nx(Willis) 2228-2301\* in EE w/ nx by a W,ID,native singing,rel. pgm.(Earhart).
- 4980 VENEZUELA Ecos del Torbes; 0357\* in SS w/ ID(Green,Poppin).1000-1130 w/ nx,ads,ID,LA mx(Pyatt,Tannenwald)2117 w/ bank ad, via LPI(Padula).
- 4985 BRASIL R. Brasil Central; 0910 in PP w/ ID, pop mx,tlks,ads(Jones).
- 4990 NIGERIA NBC Shogunle; 2305\* in EE w/ ID,drums.,2216 in Hausa cmntry. 0453-0600 in EE w/ ID,chants,vocals,nx,ads,pips(11 reporters).

- 4990 VENEZUELA R. Barquisimeto; 2304-0357\* in SS w/ ballads, ID, rock mx, ID, power, location, NA at sign off (Green, Earhart, Edelstein).
- 4996 PERU R. Andina; 0331 in SS w/ beautiful vocals, many ID's (Poppin).
- 5000 SOUTH AFRICA ZUO; 2309-2330 w/ pips, Morse ID every 5 min. (Krueger).
- 5001v BRASIL R. Brasil Central; 0149 in PP, ID, drift from 4985 (Hauser).
- 5005 UNID. 0420 w/ easy listening mx (Schulman 2/21).
- 5007 NEPAL RN Jawalakhel; 1609 w/ ID in Nepali, nx, vocals (Bunn 3/12).
- 5010 CAMEROON R. Garoua; 0517 in FF/lang. w/ ID (Hermann) 2153 in FF/AA w/ cmntry. According to a friend in Garoua, they are increasing power.
- 5010 PERU R. Eco; 0330-0413 in SS w/ DJ LA mx, ID (Ottaway). (Schulman).
- 5015 ASIATIC RUSSIA Vladivostok; 0855-1300 in RR w/ class. mx, operas, ID, TC, pips cmntry by a W (Green, Jones, Roberts).
- 5015 EUROPEAN RUSSIA Arkhangelsk; 1430 in RR w/ TC, ID, class. mx (Cosier).
- 5020 COLOMBIA Ecos del Atrato; 0300-0400\* in SS w/ chimes, ID, mx (Jones).
- 5020 NIGER ORTN; 2136 in FF (Padula) 0631\* in FF w/ local mx (Cress, Poppin).
- 5020 SOLOMONS SIBS; 0732-0925 in EE w/ nx, RNZ relay, ID, R. Australia nx, pop mx, BBC nx (MacKay, Bogel, Krueger, Wright, Rojewski).
- 5025 ECUADOR R. Splendit; 0400-0430\* in SS w/ LA mx, ID, Andes mx, light SS pops (Florian, Ottaway). 1155 in SS w/ ID, frequency, cmntry (Jones 3/6).
- 5030 SARAWAK RMS; 1401 in lang. w/ nx and positive ID (Poppin 3/12).
- 5030 VENEZUELA R. Reloj Continente; 0850 in SS w/ DJ LA mx, ID (Gallagher). 0255-0431 in SS w/ nx, TC's, ID's, US pop mx (Poppin, Mahler, Green).
- 5033 ANGOLA R. Cabinda; 0533 in PP w/ cmntry, ID, local mx (Young, Bishop).
- 5035 KAZAKH SSR. R. Alma Ata; 1235 in RR(?) w/ cmntry // 5260 (Roberts 3/8).
- 5035 UNID. 2150-2207 w/ a shrill IS but nothing else. Who? (Schulman 2/22)
- 5035.3 UNID. 1255-1301 in lang. w/ Asiatic mx, cmntry (Lineback 3/18).
- 5038 CEN. AFR. REP. La Voix de L'Empire Centrafricaine; 2212-2301\* in FF w/ cmntry, dance mx, ID, NA (Schwartz, Padula, Richardson, Hermann, Barto).
- 5040 COLOMBIA R. Cinco; 1115 in SS w/ Caracol plug, LA mx (Jones). 3/16
- 5045 BRASIL R. Cultura do Para; 0245-0303\* in PP w/ LA mx, ID's (Tuhscher)
- 5045 COOK ISLANDS R. Rarotonga; 0741-0815 in EE w/ ID, IS, TC, (Young, Willis)
- 5047 TOGO RT; 2140-2256 in FF w/ nx, Af. mx (Padula, Richardson, Hermann). 0745 via LP in FF w/ vocals, cmntry (Bunn 3/7).
- 5050 VENEZUELA R. Mundial; 0145 in SS w/ US pops (Schipelliti) 0715 w/ TC, ID and peppy LA pops (Hywarren 3/4).
- 5052 SINGAPORE RS; 1615 in EE w/ ID, wx, location given (Green 3/25).
- 5055 SWAZILAND TWR; \*0426 in EE w/ gospel mx, ID, IS (McCoy, Roberts).
- 5057 ALBANIA R. Gjirokaster; in Albanian at (time?) (Schulman 3/6).
- 5060 ECUADOR RN Progresso; 0245 in SS w/ ID, nice local folk mx (Mahler).
- 5060 PAKISTAN RP; \*1315 in Urdu w/ ID, IS (Cosier). 1305-1315 in EE w/ nx, ID and some sub-continental mx (Roberts 3/17).
- 5075 COLOMBIA R. Sutatenza; 0357 in SS w/ nx and ID (Poppin).
- 5310h CUBA R. Rebelde; 0335 in SS w/ cmntry (MacKay 3/14).
- 5745 USA VOA Greenville; 0429-0500\* in EE w/ "Breakfast Show" (Hermann).
- 5885 INDONESIA RRI Pekanbaru; 1350 in II w/ slow mx, great vocals, ID.
- 5895v ISREAL IBA; 2030-2055\* in FF w/ cmntry (Powell 2/8). (Poppin).
- 5900 EUROPEAN RUSSIA R. Rodina; \*2330 in RR w/ ID, nx (Hermann).
- 5905 USSR; 0135-0201 in RR w/ Rodina IS at 0200, nx (MacKay, Florian).
- 5905 UNID. 0012 w/ operatic mx, tlks (Schulman 2/20).
- 5920 CANADA CBC NS; 0040-0100 in EE // 6195, 9625 (Earhart 3/17).
- 5920 NICARAGUA RN de Nicaragua; \*1100 in SS w/ NA, chirps, ID (Young 3/17). 0230-0405 w/ family pgms, tlks, marimba mx (Hywarren, Sapoznikow) 0400-0501\* w/ ID, nx, tango mx, ads, poetry, vocals, NA (Krueger, Roberts, Poppin).
- 5930 CZECHOSLOVAKIA RP; \*0100-0200 in EE w/ nx, ID, mx, cmntry (Alexander).
- 5935 LATVIA R. Riga; 2130-2200\* in Swedish w/ nx, ID (Schwartz) Green).
- 5945 NICARAGUA RN de Nicaragua; almost daily \*1100-0500\* in SS w/ same type format as above 5920 (Pineault, Jones, Zilmer, Miller, Young, Hauser).
- 5950 ECUADOR R. Cuenca; 1130 in SS w/ ads, ID (Jones 3/17). Stauner, Thom's)
- 5951 MANCHURIA Heilkongkiang; 1400 in CC (Willis 3/22).
- 5953 UNID. AF.; 0600-0700 in FF w/ local mx, possibly Zaire? (Willis 3/25)
- 5954 COSTA RICA R. Casino; 0440-0515 in EE w/ ads, light mx, ID, pop vocals
- 5955 GER. DEM. REP. RBI; 2310 in GG/PP w/ ID (Brown). (Roberts, Green).
- 5955 GREECE VOA Kavala; 0508 in EE w/ tlks on low VOA xmtr power! (Edel-Guatemala R. Cultural; 0831\* in SS w/ ID, freq. (Jones 3/5). stein).
- 5960 ALBANIA RT; \*2200 in GG w/ IS, ID, nx (Brown 3/19).
- 5960 ANTIGUA DW; 0530\* in EE w/ ID, IS, (Hywarren 4/8).
- 5960 CANADA RCI; 0300 in EE w/ nx, sports (McManus) 0325 in FF w/ IS, ID, wx, nx (Green) 0100 in FF (Smallwood) 0000 in EE w/ ID, Holland/QRM (Davenport).
- 5962 COLOMBIA LV de Centauros; 0900 in SS w/ ID (Gallagher) port, Hoffman).

- 5965 BRASIL R. Guaiba; 2311-0031 in PP//11785 w/ pop mx, ID, TC, sports,  
 5965 ENGLAND ROI (Daventry); 0313 in RR w/ IS, ID (Brown). (Florian, Rob't)  
 5965 MOROCCO VOA (Tangier); 0715 in FF w/ nx, 0730 into AA nx (Wilson 3/8).  
 5965 NIGERIA NBC Jos; 2208-2305\* in EE w/ ID, TC, rel. mx, drums, "R. Nigeria  
 ID (Roberts, Earhart, via LP Padula) 0650 in EE w/ Af. mx (Cosier 3/6).  
 5965 SWITZERLAND SBC; 0145-0215 in EE w/ IS, ID, nx (Smallwood) 0310 in GG  
 5972v SAUDI ARABIA BSKSA; 1300-1600 in AA HS (Willis). (Schwartz)  
 5975 ENGLAND BBC; 0335-0514 in EE w/ ID & classical mx (Green, Hywarren).  
 5980 COLOMBIA RN; 1100 in SS w/ chimes, ID, KGEI/QRN (Jones 3/1).  
 5980nf FRANCE RFI; \*2115-2137 // 7215 in FF w/ variety pgm, ID, (Brown). The  
 2135 is in PP // 7215 (Bunn).  
 5980 MEXICO R. Mexico; 0512\* in SS w/ beautiful mx, ID, tlks (Hywarren).  
 5980 PERU R. Panamerica; 0510 in SS w/ LA mx, ID, vocals (Edelstein 4/6).  
 5980 USA KGEI; \*0700 in EE w/ ID, nx, science pgm. (Hermann, Swanson).  
 5985 USA WYFR; 0140 in EE w/ ID (Swanson 2/1).  
 5990 CHINA CPBS HS; 0900-1500. What regional? (Willis 4/1).  
 5990 JAPAN RJ; 1805 in EE w/ world nx, ID, (McManus 4/1). man, Schwartz).  
 5990 ROMANIA RB; 0135-0220 in EE w/ earthquake rpts, ID, nx, (Earhart, Schul-  
 5995 AUSTRALIA RA; 0834 in EE w/ ID, tlk on Queens visit (Schwartz).  
 5995 ENGLAND BBC; 0015 in EE w/ ID, "R. Newsreel" pgm. (Swanson).  
 5995 USA VOA; 0339 in EE w/ mod. mx, nx, ID (Green).  
 5995 VATICAN RV; \*0100-0115\* in EE w/ ID, rel. pgm. // 6015 (Smallwood, Jones,  
 DeLong, Swanson) 0012 in SS w/ speech, ID (Edelstein).  
 6000 BRASIL R. Inconfidencia; 2350 in PP w/ ID, TC, inst. mx (Breedon).  
 6000 HUNGARY RB; 0300 in EE, 0345 in HH, 0414\* in EE (Smallwood, Green, Bogel  
 6005 ASCENSION BBC; 2315 in EE w/ "New Ideas" pgm, ID (Florian).  
 6005 AUSTRALIA RA; 1730\* in EE w/ ID (McManus) 1600 w/ ID, nx (Rojewski).  
 6005 CANADA CPCX; 1055-2000 in EE w/ ID, nx, ads, sports (Jones, DeLong, Hoff-  
 6005 WEST BERLIN RIAS; 0700 in GG w/ ID, TC, pop mx (Cosier 3/29). man).  
 6005 USSR RM HS; 1100-1500 in RR // 6055, 6030 (Willis).  
 6006 COSTA RICA R. Reloj; 0725 in SS w/ ID (in EE!) (Brooker 3/27).  
 6010 FED. REP. GERMANY DW; \*0130 in EE//6100, 6075, 6040 w/ ID, nx (Swanson,  
 6010 GER. DEM. REP. RBI; \*2227 in GG w/ IS, ID, nx (Florian). Alexander).  
 6010 PERU R. America; 1125 in SS w/ ID, call, freq., local mx (Jones 3/17).  
 6010 PORTUGAL IBRA RADIO; 2055-2113 in EE/GG w/ rel. pgm, ID (Hermann 3/4).  
 6010 VATICAN RV; 0100 in EE w/ church nx, ID (Pyatt).  
 6011.5 THAILAND R. TV Thai; \*1003 in lang. w/ cmntry, ID, Asian mx. Yes this  
 station was here a few years ago. (Young 3/6).  
 6012 ANTARCTICA AFAN; 0830-1000 in EE w/ pop mx (Willis, Bishop) 0700 w/ TC,  
 ID, military amnts, peak at 0630/0730 (Young 3/20) 0902 ID as "You're  
 tuned to AFAN 50 watts on a freq. of 100 mc/s and 1000 watts on AM,  
 SW 6012 kc/s." (Eric Watson) 0910 w/ comedy recording, announcers changed  
 at 1000, pop mx (Bunn). I've been monitoring the KC4 hams around 7195  
 at 0800 when they go to AFAN and assume announcing duties... Sam.  
 6015 AUSTRIA ORF; 0422 in GG w/ ID, cmntry, classical mx (Schwartz).  
 6015 COLOMBIA R. Mira; 1130 in SS w/ ID, To delar nx, vocals (Jones 3/25).  
 6015 ETHIOPIA R. Voice of Revolutionary Ethiopia; flute ID & IS at 1459,  
 EE ID, military mx, into Amharic // 7180 (Bunn 3/22).  
 6015nf NORWAY RN; \*0655 in NN w/ IS, ID, better on 11870 (Cosier).  
 6015 VATICAN RV; \*0100 in EE w/ ID, nx, rel. pgm. (Swanson).  
 6020 MEXICO R. Veracruz; 1630 in SS w/ children story (Grenier 3/27).  
 6025 PORTUGAL RP; 0510 in EE w/ nx (Bogel) 2225 // 4865 in PP (Hutchins).  
 6030 FED. REP. GER. Sueddeutscher; 0600 in GG w/ ID, nx, ads (Bishop, Cosier).  
 6035 BOLIVIA R. Panamerica; \*1030 in SS w/ guitar chords IS, ID (Jones 2/10)  
 6035 LIBERIA VOA Monrovia; 0510 in EE w/ ID, "Breakfast Show" (Bogel).  
 6040 ANTIGUA DW; 0136 in EE w/ nx and cmntry (McManus).  
 6040 FED. REP. GER. DW; \*0130 in EE w/ ID, nx (Swanson).  
 6040 GER. DEM. REP. RBI; \*0343 in SS w/ IS, ID, cmntry & tlks (Florian).  
 6040 USA OAS; 0002 in SS w/ ID and nx (Edelstein).  
 6040 UNID. 1758-1838 w/ OC, mod. mx, no amnts. Someone testing? (Young 3/22)  
 6045 BRASIL R. Clube Paranaense; 2000-2317 in PP w/ soccer, ID, ads (Florian,  
 6045 GREECE YENED (Greek Armed Forces) 1430 in Greek w/ Sapoznikow).  
 local mx and tlks (Powell 1/30). Nice catch. Haven't seen this before!  
 6045 SWEDEN RS; 2300-0058 in EE w/ ID, IS, nx (Smallwood, Edelstein).  
 6045 SWITZERLAND SBC; 0430 in EE w/ ID, "Dateline" (Swanson, Hoffman).  
 6050 ECUADOR HCJB; 0705 in EE w/ ID, rel. pgm. BBC/QRN (Padula).  
 6050nf ITALY RAI; 1940 in EE x-6010 to Europe, USSR/QRN (Padula).  
 6055 BRASIL R. Panamerica; 2307 in PP w/ soccer game (Florian 3/13).  
 6055 JAPAN NHK; 0645 in JJ w/ tlks by a M (Brookwell 3/3).

- 6065 COLOMBIA R. Super; 0550-0810 in SS w/ lively LA mx, ID(Gallagher).  
 6065 SPAIN RTVE; \*0100-0310 in EE w/ ID,nx,folk mx,cmntry(9 reporters).  
 6070 VENEZUELA R. San Sebastian; 0552-0743 in SS w/ vocals, ID,TC(Hywarren.  
 6070 HONDURAS LV del Junco; 1255 in SS w/ fanfare, ID(Jones). Sapoznikow).  
 6075 ITALY RAI; \*0415 in II w/ IS, ID,(Noonan 3/31).  
 6080 BELGIUM BRT; \*0015-0045\* in EE w/ nx,cmntry, ID(Fraser,Wilson,Bishop)  
 6080 MALTA Malta Calling; 2115\* in EE w/ nx, ID, requests(MacKay).  
 6082 PERU RN; 0655-0820 in SS w/ piano, drums,vocals(Bunn,Hoffman)0110 w/nx  
 (McClanahan)1155 w/ ID,call,freq,vocals,tlks(Jones).  
 6085 ANTIGUA DW; \*1000 in SS w/ tx to LA(Jones)0519 in GG(Hywarren).  
 6085 FED. REP. GER. Bayerischer; 0458-0714 in GG w/ID,nx(Cosier,Bishop).  
 6090 AUSTRALIA ABC VLI6; 1200 in EE w/ ID, nx(Zilmer 4/6).  
 6090 LUXEMBOURG RL; 0030-0130 in EE w/ pop mx, ID,cmntry,DJ(8 reporters).  
 6090 NIGERIA R. TV Kaduna; 2238-2310 in Hausa w/ native mx, ID,tlks(Flor-  
 6095 BRASIL Rf. Sao Paulo; \*0900 in PP w/ ID,tlks(Hoffmann).  
 6095 POLAND RP; 0230-0330\* in EE w/ ID,nx,tlks(Edelstein,Wright). (Swanson  
 6100 FED. REP. GER. DW; 0130 in EE w/ ID,nx(Davenport,Swanson)0540 in EE  
 6100 THAILAND RT; \*1315 in lang. R. Moscow in CC/QRM(Willis).  
 6100 VENEZUELA YVTO; 0826-0839 in SS w/ TC's(Hermann 2/27).  
 6105 BRASIL Ceara R. Clube; 0145 in PP w/ sports(Young 3/11).  
 6105 MEXICO Su Pantera; 0252 in SS w/ pop mx, ID(Jones 4/4).  
 6105 NEW ZEALAND RNZ; 0645 in EE w/ sports rpt, ID,TC(Hywarren).  
 6105 SWEDEN RS; 2300-0000 tx to NA //6120(Lang?) (Hauser).  
 6110 ENGLAND BBC; 0230 in SS w/ IS, ID, EE lessons(Edelstein).  
 6115 COLOMBIA LV de Llano; 0040 in SS w/ local SS vocals, ID(Alexander).  
 6115 MEXICO R. Univ. de Sonora; 0130 in SS w/ ballads, 2250 class. mx,  
 6120 PHILIPPINES FEBC; 1221-1530 in EE w/ rel. pgm(Jones)McClanahan,Hoff'm)  
 6120 VENEZUELA R. Angostura; 1020-1100 in SS w/ ID,TC,ads,comedy(Pyatt).  
 6130 CANADA CHNX; 1235-1935 in EE w/ nx,mx,sports,ads, ID's(Miller,DeLong).  
 6133.3 ALBANIA RT; via Peking 2330 in SS w/ cmntry(Hauser 3/29). (Bunn 3/4)  
 6135 CHILE R. Univ. de Concepcion; 1030 in SS w/ pol. tlks, ID,TC, chimes  
 6135 SWITZERLAND SBC; \*0145 in EE w/ IS, ID, into nx, (Davenport,Edelstein).  
 6150 COLOMBIA LV de Huila; 0607-0820 in SS w/ pop mx,ballads, ID,TC, LA mx,  
 vocals(Gallagher,Edelstein). (Schwartz0.  
 6155 AUSTRIA ORF; 0041 in GG w/ class. mx(Edelstein)0317 in GG w/ID  
 6155 JAPAN FEN; 0959 in EE w/ Paul Harvey cmntry, ID,nx(Jones 3/7).  
 6155 SINGAPORE RS; 1115-1200 in Malay w/ native mx, ID by a W(Sherman 3/24)  
 6155 USA WYFR; 0400 in EE w/ ID, world nx(Swanson,Green).  
 6160 CANADA CKZU; 2000-2300 in EE w/ nx, ID, CBC nx, mx(McClanahan,McManus).  
 6160 COLOMBIA Em. Nueva Granada; 2348 in SS w/ ads, ID, DJ pgm.(Edelstein).  
 6160 ENGLAND BBC; 0230-0535 in EE w/ choir mx, ID, cmntry(Lawrence,Swanson).  
 6160 PHILIPPINES VOA Poro; 1315 in CC //6125 w/ nx (Jones 3/13).  
 6165 MEXICO KEWW; 1140 in SS w/ ranchera mx, tlks(Jones 4/7).  
 6165 NETH. ANTILLES RN; \*0125 in DD w/ IS, ID, nx, cmntry (Craig). \*0200-0320\*  
 in EE w/ ID, IS, nx(Schipelliti, Davenport, Swanson, McManus).  
 6170 COLOMBIA LV de Selva; 1114 in SS w/ ID, sports, promos(Roberts).  
 6170 VENEZUELA RN; \*0958 in SS w/ NA, ID, calls, freq, organ mx(Jones 3/18  
 6175 CANADA(?) BBC; 1238 in EE w/ "The World Today", ID(Edelstein).  
 6175 COSTA RICA TIFC; 0348 in EE w/ ID, rel. pgm. (no name).  
 6175 ENGLAND BBC; 2330-0440 in EE w/ TC, ID, pop tunes(Davenport, Swanson).  
 6175 USSR RM; 2115 in EE to UK(Schulman).  
 6176 CHINA Sian; 1100 and at 1300 in CC, het w/ Malaysia 6175(Willis).  
 6180 VENEZUELA R. Turismo; 0953 in SS w/ ID, TC, Venez. mx(Jones 3/7).  
 6185 ETHIOPIA R. Ethiopia; \*0329 in Amharic w/ flute IS, ID, local mx(Young).  
 1300 //9608 in Amharic, EE, FF(Willis).  
 6185 MALTA R. Vox Fidei; \*0559 in FF w/ IS, ID, NA, rel. pgm.(Young 3/12).  
 6190 FED. REP. GER. Sender Fries Berlin; 0716 in GG w/ variety pgm., light  
 mx, tlks. (Cosier 3/29).  
 6190 JAPAN NHK Sendai; 0800\* in JJ w/ ID(Young 3/2).  
 6190 USSR RM HS; 1400\* in RR, \*1430 in RR (Willis 4/1).  
 6195 BRASIL R. Continental; 2230 in PP w/ ID, sports(Zilmer 3/13). son).  
 6195 CANADA CBC NS; 0050-0508 in EE w/ nx, ID, variety mx(Noonan, Brown, Swan-  
 6195 CHILE RN; 1035 in SS w/ ID, TC, pop mx(Jones 4/7).  
 6195 USA VOA; 2156 in PP w/ pgm. to Africa/Europe(Hauser).  
 6200 ALBANIA RT; 0145 in EE w/ ID, nx, cmntry(Swanson).

Thankyou for the fine contributions and all the nice remarks received on the logging system. Until next time, best of DX to all. *Sam*

Please send your one-sided reports to the Distribution Editor.

# log report *section* **C**

TOM GAVARAS, EDITOR

16920 17th Avenue North  
Wayzata, Minnesota 55391

6201 khz to 11700 khz

MAY, 1977

- 6225 CHINA R. Peking; 1255 Chinese with Chinese female vocals (Lineback 3/20).  
 6230 ANDORRA R. Andorra; \*0700-0811 French & Dutch w/mx, etc. (Young, Coiser, Pyatt).  
 6280 CHINA R. Peking (Sinkiang); 1400 at fine level. (Willis 4/2).  
 6290 CHINA R. Peking; 1200-1255\* English news, commentary, ID (Lineback, Zilmer).  
 6540 KOREA (NORTH) R. Pyongyang; 0935 KK tlk by man & woman (Grenier)-I have JJ listed (ed).  
 6600 KOREA (NORTH) R. Pyongyang; 2210 Korean w/HS pgm. Talking & mx (Schulman 2/22).  
 6700 UNIDENTIFIED; 0245 Viennese waltz mx on LSB; EE tlk. Cutting off & on. (Luce 3/17).  
 6750 CHINA R. Peking; CC HS w/Central Philharmonic Society Orchestra 1330-1400 (Willis).  
 6900 TURKEY TSMS; \*0359-0550 Turkish w/IS, ID, talk & mx (MacKay 4/5, Bishop 3/22).  
 6955 CHINA R. Peking; 1043 Japanese with talk by a female. Fair signal (Hywarren 4/6).  
 6987 VIETNAM VOV (Viet Bac); 1330 Vietnamese ID//4100. Am sure increased power (Willis).  
 7055 CHINA R. Peking; 1945 French program with Chinese music (Powell 2/2).  
 7065 ALBANIA R. Tirana; 0005 EE nx & tlk abt Albania (Woltman). 2046 EE cmntry (Kukan).  
 7075 EGYPT R. Cairo; 0430 Arabic w/Koran chants (Schwartz). 1950 AA cmntry, mx (Powell).  
 7085nf PAKISTAN R. Pakistan; 1715 Parsi w/Eastern songs (ex 7345). Excellent level (Padula).  
 7105 ASCENSION ISLAND BBC; 0259 IS, EE ID, Time Pips, World Nx, Nx about Briatin (Thompson)  
 7105 MONACO TWR; 0622-0810 EE religious programs, "Worship Hour", ID (Brooker, Poppin)  
 7110 USSR R. Moscow; 0000-0015 EE w/Identification, news and commentary (Smallwood 3/14).  
 7115 BULGARIA R. Sofia; \*0430 EE nx (Noonan, Bishop, Schwartz, Zilmer). 2150 EE nx, mx (Plotnick)  
 7120 ALBANIA R. Peking; 0100 EE ID, nx (Smallwood). 0330 EE tlk about Mao's (D. Johnson).  
 7120 CHAD Rdf Nationale Tchadienne; 0730 w/African mx & announcements (Willis 4/3).  
 7126.8 GUINEA Rdf Nationale; 0722-0804 FF tlk, guitar mx (Wilson; Willis, Bunn). (Padula).  
 7150 GERMANY DW; \*0330 Swahili pgm w/GG ID (Hoffmann). 1837 RR news (ex 7145). Jammed  
 7150 USSR R. Kiev; 0030 English w/IS, ID, News, Mailbag, schedule (Smallwood, Wilson).  
 7150 USSR R. Vilnius; \*2300 EE w/trumpet IS, ID, nx review (Troster, Hywarren, D. Johnson).  
 7165 RYUKYU ISLANDS VOA; 1318 English with "This Week pgm". QSL in 3 days! (Poppin 3/18).  
 7170 GREECE VOA (Kavala); \*0159 Urdu news on Indian election, Pakistan riots (Hermann 3/23)  
 7170 NEW CALEDONIA R. Noumea; 0625-0945 FF tlk & mx (Kukan, Schwartz, Grenier).  
 7175 USSR R. Moscow; 0615 English news, local mx, Id//7110, 7260, 7300, 9735 (Hoffmann).  
 7180 ETHIOPIA Radio Voice of Revolutionary Ethiopia; 1510-1513 Amharic talk, then into  
 strident chorus of local singers as interlude. Arabic heard 1530-1559, then into  
 English program with news and talks on the great progress made in the field of rural  
 development in Ethiopia since the revolution. Xed by BBC and FES. // 6015. This  
 station has taken over use of the now-defunct ETLF transmitters. (Bunn 3/22)  
 7185 ENGLAND BBC; 0350 English with financial news (Alexander 4/2). Alexander).  
 7195 LIBERIA VOA; 0345+ English talk about Botswana, Jewish Passover, etc. (Hoffmann,  
 7195 ROMANIA R. Bucharest; 1400 heard on this channel day after earthquake; unid language.  
 IS. Just noted to see if was still on air (Willis 3/6).  
 7195a USSR MAYAK; 0842 Russian w/IS and ID. 0910 sogn-off (Brookwell 3/8).  
 7200 USSR R. Moscow; 0051 EE tlk about Canada (Valko). 2230 EE ID, nx, cmntry (Smallwood).  
 7200 UNIDENTIFIED CHINESE Station; Heard repeating CC numbers at 1315 onwards. No //'  
 found. Not N. Korea (on 7203)! Was mainland CC station as far as I can ascertain (Willis)  
 7200 HUNGARY R. Budapest; 2055 German Identification, schedule (Schwartz 3/19). Kukan).  
 7203 KOREA (NORTH) R. Pyongyang; \*1000 EE nx on Kim Sung's Birthday (Sapoznikow, Grenier,  
 7205 USSR MAYAK; 0510 Russian with commentary by a man & woman // 7215. Good. (Hywarren);  
 7210 SWITZERLAND ICRG; 0605 SS pgm on conference in Dakar; 0631 AA pgm (Bunn 3/25). \*0600  
 EE pgm (Bishop 3/21). 2159 FF talks & Interviews (Bunn 3/23). 2200 SBC IS into ICRG  
 SS ID & SS pgm (Alintuck 3/25). 2200 EE nx of Red Cross Activities (Pyatt 3/21). (Bunn).  
 7215 FRANCE RFI; 2130 New PP service w/tlk on Paris election & tlk on Jacques Chirac//5980  
 7215nf GREECE VOG; 1403 ID in Greek; then into AA pgm for Mid-East. (ex 6140) (Padula 3/25).  
 7215 HUNGARY R. Budapest; 0200 EE ID, nx, cmntry//6000 & 9833 (Smallwood, Hoffmann). 0317  
 EE Commentary and Identification (Schwartz). 0401-0415 EE DX Program (Hermann).  
 7215 IVORY COAST R. Ivory Coast; 0700 French talking by a man (Frajor 3/10).  
 7215 USSR R. Kiev; \*0030 EE cmntry on Communist party (Hermann). \*0259 EE ID (Thompson).  
 7215 USSR R. Vilnius; \*0100 Lithuanian nx (Hermann). 2302 EE ID, nx (Earhart, Hermann).  
 7215 USSR R. Rodina; \*2330+ Russian ID, talk, mx, time pips (Edelstein, Hermann).  
 7220nf USSR R. Peace & Progress; 1531 EE w/Soviet Press Review. Suffers QRM from own  
 Soviet jammers meant for Radio Liberty! (Bunn 3/14).

- 7225 INDIA AIR; \*0130 Hindu announcemnts & music. Fluttery but strong (Young 3/2).  
 7225 MOROCCO RTWV; 0320 Arabic chanting and commentary (Schwartz 3/29).  
 7230 CYPRUS BBC; 0013 w/IS; EE ID into Burmese pgm. Poor signal with QRM (Hywarren 3/30).  
 7230t MONACO TWR; 0115-0125 ID as R. Transmundial w/pgm in unidentified lang. (Mahler 3/1h)  
 7230 MOROCCO VOA; 0500 English with the Breakfast Show program (Noonan 4/2).  
 7235nf ITALY RAI; 1936 Hungarian pgm for Europe. (ex 6050). DW QRM. (Padula 3/26).  
 7235nf YEMEN ARAB REPUBLIC R. Sanaa; 1502 AA chants. Strong level (ex 7265) (Bunn 3/12).  
 7240a AUSTRALIA R. Australia (Carnarvon); 1137 EE (Swanson) 1542 EE ID, Jazz mx (Powell).  
 7245 ANGOLA R. Nacional; 2302 PF ID as "Transmite Luanda", light mx (Coiser 3/30).  
 7245 GERMANY (WEST) R. Liberty; 0430 RR news. Heavily jammed (Schulman 3/6).  
 7260 GREAT BRITAIN RCI; \*0315-0345\* Russian news, commentary on Woman's rights (Hermann).  
 7260 INDIA AIR; \*0129 Hindi pgm of music and announcements (Young 3/17).  
 7260 USSR R. Moscow; 0530 EE cmntry on USA & USSR relations//9580,7175,7300,9735 (Hoffmann)  
 7265 GERMANY (WEST) Sudwestfunk; 2203-0428 GG pgm (Schwartz,Bishop). 0720 GG tlc (Coiser).  
 7265 TOGO Rdf TV Togolaise; 0615 FF ID, nx, cmntry. Off abruptly at 0632 (Frajer 3/10).  
 7270 ASCENSION ISLANDS BBC; 0516 English commentary on Africa, Answers to Letters (Bogel).  
 7270 GRECE VOA (Kavala); 0452 English program. Fair signal w/RSa & BBC QRM. (Hoffmann).  
 7270 SOUTH AFRICA RSA; \*0259 EE Good Morning Africa, ID, nx, cmntry (Hermann, Grenier).  
 7275 NIGERIA WON; 2130 EE ID (Gallagher). 0646-0710 IS, EE ID(Hermann,Hywarren,Mulvey,Wilson)  
 7275t TADZHIK SSR R. Dushanbe; 1541 lang w/RR folk song. Heavy VOA,RAI & jamming QRM(Coiser)  
 7275 TUNISIA RTVT; 2115 Arabic music and talking (Alexander 4/3).  
 7285 GERMANY (WEST) Dw; 0555 IS, German Identification, frequency announcemnts, tlc(Bogel)  
 7290nf ITALY RAI; 1916 Arabic program for Egypt & N. Africa (ex 6010) (Padula 3/26).  
 7295nf FRANCE RFI; 0740 French tlc w/ballads, EE rock mx, ID. (freq ex 7285?) (McLaughlin).  
 7295 MALAYSIA VOM; 1100-1200 English with Music comedy program; News at 1120 (Sherman 3/10)  
 7300 ALBANIA R. Tirana; 0130 EE ID (Smallwood). 0232 EE tlc (Thompson). 0332 EE ID(Poppin).  
 7300 USSR R. Moscow; 0507 English commentary, tlc on woman's day//7260. Strong (Bogel 3/9)  
 7310 USSR R. Peace & Progress; 0140 Guarani language pgm to LA (Mahler 3/1h).  
 7310 USSR MAYAK; 0720 Russian classical mx, vocals, IS, nx//7175,7230 (Hoffmann 3/20).  
 7325 GREAT BRITAIN BBC; 2325-0100 EE World nx. (McManus 3/15, Thompson 3/28, D. Johnson).  
 7335 CANADA CHU TIME STATION; 0230 Time pips with identification in EE & FF (Smallwood).  
 7345 CZECHOSLOVAKIA R. Prague; 0100 EE(Alexander,Edelstein,Fraser,Smallwood).0345 EE  
 7345 USSR; (Yakusc) 0710 RR drama//7100,7200,7210,7320 after 0800!(Hoffmann). (Schwartz).  
 7350 USSR R. Moscow; 0000-0338 EE nx (Smallwood,Alexander,Fraser). 1610 EE letterbox  
 pgm for S.E.Asia (Bunn). 2100 EE nx (Kukan).  
 7400 USSR MAYAK; 0420 Russian tlc, Interval Signal.UHN says transmitter:Simgeropol(Edelstein)  
 7412.5 ISRAEL IBA; \*0500 EE ID, nx; 0515 FF (Lambard,Schwartz). 2000+ EE nx (Schwartz,Brown,  
 Plotnick). 2230 IS, EE ID, nx, press review, Hebrew lessons (Smallwood, Thompson).  
 7414 USSR R. Moscow; 2245 NA Service. Very distorted, but strong//7440 (Hauser 3/13).  
 7420v USSR R. Rodina; 0023+ RR ID, talk, mx. For those at sea (Plotnick, Edelstein).  
 7440 USSR R. Moscow; 0100 EE w/nx, cmntry, mailbag//5940,6120,7110,7200,7350 (Smallwood).  
 7462 ISRAEL IBA; 0455 Hebrew talking. Poor signal (Schulman 3/16).  
 7610 CHINA R. Peking; 1600 EE ID, tlc on CC leader (Powell). -I have 7620 kHz listed (ed)-  
 7670 BULGARIA R. Sofia; 0422 Greek pgm (Hauser). \*0500 Greek pgm to Europe (Young).  
 7690 CLANDESTINE R. Espana Ind; 2330 SS tlc by man & woman. Jamming stopped at 2345(Gaffin)  
 7850 UNID; 10L3-1056\* Oriental w/CC singing (Brookwell). -I have PLA (China) listed (ed)-  
 8320nf CHINA R. Peking; 2315 SS w/tlc by man & woman. Not on listed 8345! (Sherman).  
 9022 IRAN VOI; 0120-0420 Farsi & other local languages w/Iranian mx, chants, ID, cmntry.  
 (Schwartz,Onken,Hoffmann,Lombard,Bogel,Bogel, D.Johnson). 2000 EE tlc by M&W(Sherman).  
 9030 CHINA R. Peking; 1100-1200 Italian w/tlc by woman, mx//11375 (Sherman 3/16).  
 9330 UNID; 2153 talk in lang, mx. Mighty strange. Any ideas? (Schulman 2/16).  
 9355 ISRAEL IBA; 2242 Hebrew HS w/Call In show (Schulman 2/17).  
 9360 SPAIN RTVE; \*2300-0420 IS, ID, SS nx, mx, cmntry (Schwartz, Smallwood, D. Johnson).  
 9390 CHINA R. Peking; 1130-1148 SS talking and music (Earhart 3/10, Sherman 3/29).  
 9410 GREAT BRITAIN BBC; 0500 EE nx, ID (Schwartz). 1900 EE nx, World Radio Club (Smallwood).  
 9425 ISRAEL IBA; 2000 EE ID, nx; 2030 FF (Smallwood). 2250 EE Calling All Listeners(Swanson).  
 9440 CHINA R. Peking; 1145 Chinese (sounding) talk & chorus of people, International(Earhart)  
 9445nf PAKISTAN R. Pakistan; 1831 Turkish tlc (ex 6115) (Padula). 2125-2145\* EE World Service  
 for United Kingdom w/jazz & Asian mx//7085 (ex 6210). (MacKay,Earhart,Bunn).  
 9460 PAKISTAN R. Pakistan; 1345-1430 Unid lang w/local mx, ID, tlc (Ottaway 3/25).  
 9470 CHINA R. Peking; 1215 EE tlc on Soviet-Japanese fishing rights//11685 (MacKay 4/2).  
 9475 EGYPT R. Cairo; 0150 SS talk into 0200 EE pgm w/ID, nx (Thompson, Onken, Edelstein,  
 Schwartz). 0415-0435 AA tlc & pop hits (Sarrazin,D.Johnson). 2100-2225 AA(Hoffmann,Hersh).  
 9480 ALBANIA R. Tirana; 2030-2057 EE news, commentary and music (Hersh 3/24, Ottaway 3/27).  
 9490 USSR R. Moscow; 2155 English with Club Program to Africa (Schulman 2/16).  
 9505 JAPAN NHK; 0408 EE ID, cmntry; JJ 0415 (Russell). 2010 EE nx, cmntry (McManus).  
 9505 UNID RFE; 0358 Unid lang w/IS, ID by woman & talking (Breedren 3/27). -IFRB lists  
 the site as Portugal and the WRTVH lists the language as Bulgarian (editor)-  
 9510 ENGLAND BBC; 2339 EE nx & cmntry (Alintuck). -I have BBC CANADA (Sackville) listed (ed)-  
 9510v CHILE R. America; 0435-0730 SS ID, Ads, "Canciones por la Corazon" pgm. "Desde Lima,  
 Feru, transmite R. America, La Lider". (Roberts, Hywarren, Sapoznikov).

- 9515 ITALY (Sicily) RAI; \*0500 IS, Italian Identification, hrd under TRT (Bishop 2/22)
- 9515 TURKEY VOT; \*0355 IS, NA, Turkish ID (MacKay). 2045 Turkish ID (Schwartz). 2200-0030\* EE ID, etc. (Wilson, Hoffman, Jones, Edelstein, Plotnick, Onken, Hermann).
- 9515 AUSTRALIA R. Australia (Shepparton); 0809 EE nx // 9540, 9570, 11705, 11740, 5995 (MacKay).
- 9515 MALAYSIA WOM; 1400 Malay program // 5965. Usually blocked at this time (Willis 3/27).
- 9520 PAPUA NEW GUINEA NBC; 0800 EE ID, TC, US oldies mx. Good signal (Sarrazin 4/2).
- 9525 INDIA AIR; 2025 EE tlk & cmntry, stringed music. Distorted signal (Cress 3/19).
- 9525 KOREA (SOUTH) R. Korea; 0836 lang with talk & ID (Brookwell). -I have French listed-
- 9525 POLAND Polish Radio; 2020 pop mx, EE ID; 2030 IS into FF pgm & ID (Roberts 3/5).
- 9530nf GREECE VOG; 1920 Greek mx & ID; EE ID & nx. At 1930 FF tlk & nx (ex9675) (Stauner, Padula)
- 9530 ROMANIA R. Bucharest; 1500 English identification, news and commentary (Rojewski 4/4)
- 9530nf SPAIN RTVE; 2245 SS pgm (ex 9520) // 9630 (Padula). 0100 SS ID & nx (Brown).
- 9530 USSR R. Moscow; 0200 SS(?) w/ID and talk by lady. Tough QRM (Brown 3/27).
- 9530 USSR R. Kiev; 2200 Ukrainian w/IS and nx pgm (Florian 3/19).
- 9530 BULGARIA R. Sofia; 2135 EE nx, cmntry on assassination of Congo President (Florian).
- 9535 CANADA RCI; 0225 Magazine Show EE on out-of-body experiences (Lambard 3/30).
- 9535nf IRAN VOI; 1400 Farsi program // 15084 (Willis 4/2).
- 9540 AUSTRALIA R. Australia (Shepparton); 1300 EE ID & nx // 9550 (Fraser 3/13).
- 9540 CYPRUS BBC; 1720 EE tlk on Water shortages in California. Poor signal (Troster 4/3).
- 9545 GERMANY (WEST) DW; 1930-2025 AA tlk, mx, ID // 9650 (Brown, Cress).
- 9550 FINLAND R. Finland; 0600 IS, ID in Finnish & Swedish, nx (Hywarren 3/30).
- 9550 USSR MAYAK; 0518 with Byelorussian music. Excellent signal (Hywarren 3/30).
- 9560 AUSTRALIA R. Australia (Garnarvon); 1400 EE nx (Luce). 2300 Indonesian ID (Luce 3/13).
- 9560t BULGARIA R. Sofia; 1630-1705 Arabic talking and music. (Bogel 4/6, Powell 1/30).
- 9560 ECUADOR HCJB; 0215-0400 EE tlk to JJ staff, DX Party Line (Hoffman, Thompson).
- 9560 JORDAN HKBS; 1520-1710 EE with pop & easy mx & EE nx at 1700. Good signal (Schulman).
- 9566 CHILE VOC; 0100-0230 SS into EE pgm, ID, nx, cmntry (McManus, Bogel, Hermann).
- 9570 AUSTRALIA R. Australia; 0730 mx w/no nx due to Industrial Dispute of ABC Staff (Hoffmann)
- 9570 MALAYSIA BBC; 0145 EE w/man reading the story "Henry's Good Deed" (McManus 3/16).
- 9570 ROMANIA R. Bucharest; 0133-0230 EE nx on Earthquake (Hermann, D. Johnson, Brown).
- 9570 SPAIN RTVE; 1725 SS Identification by man & woman, mx (Edelstein 4/3).
- 9570 VENEZUELA R. San Cristobal; 2230-2300\* SS Impact of God pgm with address at sign-off. Listed in WRTVH as inactive, definitely on the air (Ottaway 2/27).
- 9572 CHILE Emissora Diego Portales; 0345 SS talk and Chilean mx (McManus 3/14).
- 9575 ITALY RAI; \*0100-0118\* EE nx (Swanson, Hoffman, Ottaway). 2030 EE nx (ex7290) (Padula).
- 9578.3 PHILIPPINES VOP; 0745 EE Folk mx by Boys Choir, ID (Hoffmann). 1400-1800 EE & Filipino. NA, ID's, nx, sports, mx (Luca, McCoy, Bogel, Grenier, McManus). Davenport.
- 9580 AUSTRALIA R. Australia (Shepparton); 1100-1230 EE nx, mx (Craig, Woltnan, Fraser, Wilson).
- 9580 GREAT BRITAIN BBC; 0000 EE nx (Alintuck). -I have Ascension Islands listed (ed)-I
- 9580 KUWAIT R. Kuwait; 1759-2100 EE/AA pgm w/talking & mx (Edelstein, Sarrazin, Troster).
- 9580 SAUDI ARABIA BSKSA (Riyadh); 1400 w/ID (Willis 3/20) -Language? (ed)-
- 9580 USSR R. Moscow; 0415 EE pgm (Noonan). 0510 EE cmntry on Woman's year (Russell).
- 9585 ECUADOR HCJB; 0610 w/German Deutschlandfunk special relay, many ID's (McLaughlin, Hoffman)
- 9585 JAPAN NHK; 1115 EE nx & cmntry (Sherman). 1800 EE ID, nx, cmntry on JJ Budget (McManus).
- 9585 SOMALIA R. Mogadishu; 1845 AA mx, anmts into Somali HS (Roberts). 2100\* AA NA (Luca).
- 9585 SOUTH AFRICA RSA; 2225 with English program of news and cmntry for N America (Davenport).
- 9590 ANTIGUA(?) DW; 1119 closing SS pgm which it said was experimental, repeating 0930 pgm on Antigua; only freq mentioned was 9735. Cut EE ID at end before could say "transmitte Antigua" so maybe is finally Montserrat? I noticed elsewhere they're saying "Caribbean Relay," an ambiguity likely to accommodate Montserrat without having to reveal which.
- 9590 INDIA AIR; 2205 English barely audible with identification (Schulman 2/19). (Hauser).
- 9590 NETHERLAND ANTILLES R. Nederland; 0300 SS Identification (Lambard 3/30).
- 9590 SOUTH AFRICA RSA; 2112 EE African Panorama (Jones) -Is this a move from 9585 kHz2 (ed)-
- 9590 SWITZERLAND SBC; \*1815 Italian // 9535 (Alexander). 2100 EE (Plotnick, Noonan, Hersh).
- 9600 SPAIN RTVE; 2030 Spanish identification with a fair signal (Hersh 3/24). (Bishop).
- 9600 UZBEK SSR R. Tashkent; 1200 EE nx, cmntry. Accused CIA of Kamal Junblatt's death
- 9600 USSR (Magadan); 1955 RR TC into MAYAK at 2000. Family & People pgm (Poppin 4/5).
- 9608 ETHIOPIA R. Ethiopia; Heard here once again at 1415 (Willis 4/2). -Language? (ed)-
- 9610 AUSTRALIA VLW-9 (Perth); 1000-1400 EE nx, sports, cmntry, mx (Davenport, Fraser, Wilson).
- 9610nf BELGIUM BRT-l; 0515\* Dutch w/ID, freq, IS, s/off (Coiser 3/5).
- 9610 NORWAY R. Norway; 1410 EE News & Views (Powell 1/23). -I have 9605 kHz listed (ed)-
- 9620 YUGOSLAVIA R. Belgrade; 2204 EE tlk on Salt talks (Earhart 3/31).
- 9625 VATICAN STATE Vatican Radio; 1727 IS, ID in Swedish, cmntry (Powell).
- 9630 SPAIN RTVE; 0330 SS ID and talk for the Americas (Brown 3/29).
- 9635 USSR R. Moscow; 0730\* EE w/Moscow review. Excellent signal (Hoffmann 3/26).
- 9640 GREAT BRITAIN BBC; 0745 EE with Irish music; bad echo, poor modulation (Hoffmann 3/26).
- 9645 BRAZIL R. Bandeirantes; 0918 PP ads // 6185 (Coiser). 2210 PP w/fast nx (Padula).
- 9645 NORWAY R. Norway; 2220-2230\* English news about Norway (Alexander 4/3).
- 9645nf PAKISTAN R. Pakistan; 0005-0020 Urdu talk (ex 9660) (Padula, Bunn).
- 9650 USSR R. Peace & Progress; 0129\* IS and Portugese program (Alexander 3/19).

- 9650 USSR MAYAK; 0525 with brief OM announcements, Ukrainian mx. Fair (Hywarren 3/30).
- 9655 CANADA RCI; 0415 English Magazine Program (Grenier 3/21).
- 9655 COLOMBIA R. Nacional; 0300 SS tlk (Lambard). 2230-2311 SS ID(Hywarren,Edelstein).
- 9655nf GREECE VOG; 0804 Greek nx (ex 9760) (Bunn). 2345 Greek nx; 2350\* (Padula).
- 9660 VENEZUELA R. Rumbos; 2119 SS ID, ads, talk back & forth, door bells (Jones 4/4).
- 9665nf GERMANY (EAST) RBEI; 0532 PP w/ID's & frequency. 0600 s/off (Coiser, Hywarren).
- 9670nf GREECE VOG; 2122 English nx for Australia; 2130 Greek (Bunn 3/16).
- 9670nf MALTA DW; \*1400 AA for Middle-East, ID (ex 9765) (Padula 3/11).
- 9675nf JAPAN NHK; 1335 Japanese for Asia (ex 6030) (Padula 3/11).
- 9675 PERU R. del Pacifico; 1100 SS ID, local music (Kukan 4/2).
- 9680 AUSTRALIA VLH9 (Melbourne); 1208 EE nx and weather (Earhart 3/17, Miller 3/30).
- 9685 ALGERIA RTVA; 2235 Arabic news and U.S. & local mx (Tuchscher 3/27). (Lawrence).
- 9685 CUBA R. Havana Cuba; 0200 English w/LA mx followed by Socialism in New World
- 9685 USSR R. Rodina; 2000 RR ID, IS, tlk by man & woman, vocal mx. Excellent (Edelstein).
- 9690 ANTIGUA DW; 0820 German programming (Hoffmann 3/26).
- 9690 ARGENTINA RAE; 0330 English w/local mx, sports nx. Poor modulation (Hoffman 3/25).
- 9690nf PAKISTAN R. Pakistan; \*1215 Turkish w/national songs, prayers (ex 6115)(Padula 3/9).
- 9690 USA WYFR; 2100-2300 SS Religious pgm//11815 (Smallwood 3/21).
- 9695 SWEDEN R. Sweden; 0156 Spanish w/mx, IS and Portugese at 0200 (Alexander 3/26).
- 9700 BULGARIA R. Sofia; 1930 EE discussion about Bulgaria (Sarrazin 4/3).
- 9700 SEYCHELLES FEBA; \*0315-0345\* IS, EE ID, religious pgm (Bogel, Wright).
- 9705 MEXICO R. Mexico; 1400 SS (Smallwood). 2223-0232 SS ID, mx (Jones, Edelstein, Hermann).
- 9705 BULGARIA R. Sofia; 0000-0057 EE ID, news, cmntry, Beethoven's 9th (Smallwood, Edelstein,
- 9710 SOUTH AFRICA Springbok R; 1608-1624\* EE/Afrik. pop mx (Bogel 3/1?). Noonan).
- 9710 ITALY RAI; \*0100 SS pgm (Alexander). 1920 AA (ex 9575); EE nx at 1936 (Padula).
- 9715nf CANADA RCI; \*0030 Spanish program (Earhart 3/19).
- 9715 ECUADOR HCJB; 1200 EE with a DX Program in Japanese (Kukan 3/21).
- 9715 HOLLAND R. Nederland;\*2000 SS nx (Hersh). 2150-2225 EE w/DX Juke Box (Hoffman, Thompson)
- 2345-0030 IS, ID in Portugese for Brazil (Smallwood 3/21).
- 9715 USSR MAYAK; 0450 w/mx pgm & RR talk; 0500 IS, ID, nx by man (Hywarren 3/30).
- 9720 KOREA (SOUTH) R. Korea; 1800 EE nx, Current Happenings in Korea (Thompson 4/2).
- 9720 SRI LANKA SLBC; 0115 EE ID (Onken). 1555-1645 Old 78 rpm records, ID(McCianahan, Bogel)
- 9720 USSR R. Atlantika; \*1600 RR news with talking and music (Hermann 3/28).
- 9725rf BELGIUM BRT-4; 0015 EE nx to America. Barely audible! (Zilmer 4/5).
- 9730 GERMANY (EAST) RBEI; 0105 EE ID (Bishop). 1900 EE (Alintuck). 2128 Swedish tlk (Florian)
- 9730 SAUDI ARABIA BSKSA (Riyadh); 0300 AA chanting (Hoffman). 2145 AA w/mx (Alexander).
- 9735 GERMANY (WEST) DW; 2200-0112 GG mx, tlk, ID (Schulman, Alexander, Smallwood). 1327-1334 DW IS, Korean nx at 1330. Korean not listed in WRTVH! 1400 IS (Russell 3/7).
- 9740 USSR MAYAK; 0500 IS, ID, nx (Hywarren). -I have R. F&P w/Chinese listed! (ed)-
- 9745 ANTIGUA BBC; 2200-0015 PP; 0015-0215 SS to South America (Smallwood 3/23).
- 9745 IRAQ R. Baghdad; 1705 AA tlk (Powell). 1930-2030 EE ID (Hauser, Alexander, Troster).
- 9750 ALBANIA R. Tirana; 0000-0030 EE w/IS, ID, news, commentary (Smallwood 3/29).
- 9750 CHILE R. Minería; 0028-0125 SS tlk, ID, mx (Hywarren, MacKay, Bogel). 1149 SS (Jones).
- 9750 TAHITI R. Tahiti; \*1615 IS, French identification, mx, woman announcer (Alexander).
- 9755nf BELGIUM BRT-4; 1715-1800 English talk about Belgium//11940 (Sherman 3/24).
- 9760 AUSTRALIA R. Australia; 0700 EE w/IS, ID, TC, Pips, Mx. Poor level. (Edelstein).
- 9760 GREECE VOG; 0000-0015 Greek; 0015-0030 English ID, nx (Smallwood, Troster, Brooker, Powell). 0100-0240 EE/Greek tlk & mx (D. Johnson, Hermann). \*2100 Greek for Australia; 2115 English news and commentary. NF & additional frequency (Padula, Sherman).
- 9760 JAPAN NSB; 1630-1700 Japanese talk, IS, Orchestra mx. Off at 1700 (Thompson 3/15).
- 9760 MOROCCO VOA; 1830-1905 EE w/music show on Grammys, nx, ID (Alintuck 3/29).
- 9765 ASCENSION ISLANDS BBC; 2200-0015 PP; 0015-0415 SS cmntry (Smallwood) -I thought this was Antigua? (editor)-
- 9765 GERMANY (WEST) DW; 2151 EE mailbag pgm to ASIA (Florian 3/19).
- 9765 USSR MAYAK; 0520 Russian w/instrumental//9785,9800 (Hywarren 3/30).
- 9770 AUSTRIA ORF; \*0130 English news program (Alexander 4/2).
- 9770 GREECE VOA (Kavala); 0515 English with a report on the Romanian Earthquake (Brown).
- 9770 HAITI LVEH; 1100-1130 EE w/ID, Practical Insights on Family Living, news (Smallwood).
- 9780 ALBANIA R. Peking Relay; 0330 EE news, commentary, ID's, International (Thompson).
- 9780 YEMEN ARAB REPUBLIC R. Sanaa; 2010 AA tlk, Middle-East music, chanting, nx (Edelstein)
- 9790 ALBANIA R. Tirana; 0021 Albanian talking and identification. Excellent (Schulman).
- 9795 USSR R. Moscow; 2135 English with mailbag to British Isles (Florian 3/20).
- 9800 USSR R. Moscow; 2200 EE w/ID and World nx (Smallwood 3/20). Smallwood).
- 9805 EGYPT R. Cairo; 2200-2315 EE ID, Mailbag, etc. to Europe (Alintuck, Hoffmann, Fraser,
- 9815 ISRAEL IBA; 0505 EE news & identification (Hywarren). 2230-2300\* EE ID, nx, Thank Goodness it's Friday (Alintuck, Swanson, Smallwood, Woltman, Jones, McCoy, Schatten).
- 9820 KOREA (NORTH) R. Pyongyang; 0635 w/talk on Great Leader (Grenier 3/26).
- 9825 GREAT BRITAIN BBC; 1635 Arabic service to Africa w/tlk by man & woman, nx (Bogel).
- 9833 HUNGARY R. Budapest; 0200-0230 EE w/IS, ID, nx, cmntry (Smallwood 3/5).

- 9860 CHILE:** Responding to April LRC & TDXN report by Alan Laves, Texas of Radio Nacional de Chile here at 0100. It may be a utility relay, as there is a lot of that these days (cf 14355), but would normally be in SSB. Not likely 2 X 4930 as 60 metre-band is not a Chilean band, but not hearing it on 4930 does not prove anything, as fundamentals and harmonics propagate independently. On the other hand, I've heard BBC Spanish feeder on 9859, and they might have mentioned Radio Nacional Chile as a news relay.... (Hauser). -Thank you Glenn! (editor)-
- 9860 CHINA** R. Peking; 1648 English w/Chinese instrumentals, ID, International (Bogel).
- 9895 HOLLAND** R. Nederland; 2300 SS Happy Station, news, mx (Noonan, Sherman).
- 9912 INDIA** AIR; 0000-0045\* Tamil tlk, nx, mx (Zilmer). 2146 EE tlk, nx (Florian).
- 9915 GREAT BRITAIN** BBC; 2200 EE w/Falkland IS service (Smallwood). 0324 EE tlk (Schulman).
- 10000 HAWAII** WVVH; 0345-0405 EE ID & Time every minute, Time pips (Hermann, Alexander).
- 10030 CUBA** R. Rebelde; 17th harmonic of 590 at 1257; SS ID (Hauser 3/23).
- 10040 VIETNAM** VOV; 1000 English nx, VV mx (MacKay, Brookwell). 1330 FF ID & tlk (Schulman). 1530 EE nx, ID, mx, cntry (Roberts). 1610 EE w/Vietnamese mx (Grenier 4/3).
- 10081 UNIDENTIFIED:** SS ID 0330 mentioning "onda corta". Very likely 3 X 3360 or 2 X 5040, but unable to find parallel audio on either (Hauser 4/2).
- 10110 CLANDESTINE** R. Espana Independente; 2130 SS talking, occasional ID (Bishop 3/11).
- 10225 VIETNAM** VOV (Hanoi); 1112 Vietnamese 2nd pgm, man & woman commie tlk (Brookwell).
- 11290 CHINA** R. Peking; 1300 Chinese drama (Zilmer 4/2).
- 11348.5 KOREA (NORTH)** KGBS; 0345 Korean (?) tlk, mx (Hoffmann). 1140 KK mx & tlk (Sherman). 1430 KK tlk (Zilmer). 2215 Korean HS w/revolutionary tlk (Roberts).
- 11535 KOREA (NORTH)** R. Pyongyang; 0405 SS nx, ID (Hoffmann). 1134 Korean cntry (Schwartz). -I have Japanese listed (ed)- \*2200 Korean IS, Anthem, ID, nx, cntry (Roberts).
- 11600 CHINA** R. Peking; 1349 Spanish Identification, mx (Schwartz) -I have Malay listed (ed)-
- 11625 ISRAEL** IBA; 2132 Hebrew HS ads, tlk (McCoy). 2200 Hebrew HS pgm (Smallwood).
- 11645 ISRAEL** IBA; 2235-2300 EE nx, songs for Passover, Voices of Israel (Alexander, Luce).
- 11655 ISRAEL** IBA; 2140-2200 EE Passover pgm, ID (Rojewski). 2230-2300 EE w/IS, ID, nx (Earhart, Miller, Smallwood). 2206 FF nx for Europe (Padula). 0510 EE news; additional frequency //11960 and 12045; both heard well (Padula).
- 11660** of March FRENDX Unidentified; The station is from Montevideo, Uruguay and is a fixed service (point to point) station listed 11660 as CXL25. There are many frequencies which have been employed by Montevideo with this same time signal thing. (Simon Scheiner via Larry Magne). (Padula).
- 11672nf PAKISTAN** R. Pakistan; Nx by man in Urdu 0508; World Svce for Mid-East (ex 15115)
- 11675 CHINA** R. Peking; 0000 EE news (Alexander, Swanson). 1200 EE tlk (Hoffman).
- 11685 CHINA** R. Peking; 1222 EE talk about sports in Tibet. Strong //9470 (MacKay 4/2).
- 11690 USSR** R. Moscow; 0847 English talking by female; weak signal (MacKay 3/12).
- 11690 USSR** R. Rodina; 2330 Russian with IS, ID, folk mx //15100 (Hoffmann 3/19).
- 11700 DOMINICAN REPUBLIC** R. Clarin; 1837 SS mx, nx, ID, freq. (Hermann 2/28).
- 11700nf MONACO** TWR; 1835 Armenian (ex 7215) (Padula) 1930 Hebrew w/ID (Padula).
- 11700 VATICAN STATE** Vatican Radio; 0104 EE Religious tlk (Earhart). \*2257 SS(?) w/IS, Bells, ID (Bogel). 2300 Portuguese ID & tlk; 2330 SS ID (Smallwood 3/25).

Thank you to all of the reporters to this months Log Report C! Remember! All reports to the log report sections should be sent to the Distribution Editor: Greg Ravenhorst, Rural Route, Hollandale, Minnesota 56045! His deadline is the 12th of the month, so be sure to mail your reports early!

I hope to see many of you at the ANARC convention in Schaumburg, Illinois on July 15th. I have attended the last two ANARC conventions (1975: Montrael and 1976: Los Angelas) and I have had a very good time meeting other DX-ers from around the nation!

Though the Summer is upon us (except for you guys in Australia-hi), there is still a lot of DX to be heard. Until next month, 73, 

**JOINT GLDXA-MVDCX** Convention date Set: June 17-19 in Lansing, MI at the Ramada Inn just off I-496. Among the planned events are: review of propagation cx, Dxing in Ireland by Andy Robins, latest in SSTV, all night DX session and much more. For more info and directions write Bill Whitacfe, 2609 Devonshire, Lansing, MI 48910 and send a SASE.

**HELPING HAND:** SX-190 in mint condition. Used very little. Has extra crystal installed for 60 meters, plus blank socket for another band. Matchin speaker, manual, original carton, \$190. Also Gilfer M-1 multi tuner. Only a few months old. Incredible little tuner, matches any antenna with any rx, \$37. Lexington Smith, 55 East End Avenue, Apt. 4G, New York, NY 10028.

**HELPING HAND:** For sale. Heathkit SW-717, mint condition, about 1 year old, fine for beginners. Asking \$40.00. Buyer must pay shipping charges. Write, John Billings, 348 Angola Rd., Cornwall, NY 12518.

# log report section



David Walcutt

11701+ kHz.

MAY, 1977

P.O. Box 1051,  
Carbondale, IL 62901  
618-549-6256

"The Spring is sprung, the grass is riz,  
I wonder where the sunspots is."

Thanks to Diane Levesque for the artwork! Diane also claims responsibility for this month's cover. LOGGINGS: Many 25 meter items that were listed in April are omitted this time to make room for more 19 meter loggings.

- 11705NF CANADA RCI; 1735 GG, QRM from a USSR xmtr //15455 (Hauser 3/26).  
11710 ARGENTINA RAE; 2225-2345 FF/EE/SS, tangos (6 reporters).  
11715 EGYPT R. Cairo; 0210-0230 AA, AA mx, nx at 0215 (Mackay 3/18).  
11715NF USA WYFR; 2220 SS to 2253½ when began EE Bible readings "Leyendo en Ingles", don't confuse with WINB 11710 also with SS! (Padula 3/12); 0000 EE, "The Bible Talks", //11855, good (Brookwell 3/19).  
11725 AUSTRALIA RA-Shep.; 2300-2330 EE, pops, //11810 (Sherman 4/2).  
11725 INDIA AIR; 1130-1200 EE, Indian mx, nx (Sherman 3/9).  
11730 FRANCE RFI; 0027 SS, classical mx, poor (Brookwell 3/19).  
11730 GREECE VOG; 0015-0030 EE, nx, //9760 (Zilmer 3/16); 0334 Greek, Greek music, strong signal but quick fade (Mackay 3/9).  
11730 USSR R.S. Peace & Progress; 1530 EE, cmntry (Swanson 4/2).  
11735 BELGIUM RTB; \*1700-1800\* FF, ID, drums, AA & African music (Sherman 3/31, Young 3/22 -your UNID I believe).  
11735.5 BRAZIL R. Clube Goiania; 2300 PP, tlk, mx, jingles, network pgms //11805, 11925; ID at 2358 w/freq 11735 given (Zilmer 4/4).  
11740 AUSTRALIA RA; 0415-0530 EE, nx bulletins, pop mx, press review, "Australia Story" (Earhart 3/23, Brown 3/9, Gaffin 4/4, Hutchins 3/19).  
11745 ECUADOR HCJB; 1230-1330 EE, "Happiness Is", "Morning in the Mts." Swanson 3/25 & 3/26; 2025 SS to Europe (Padula 3/9).  
11745 UNID 1450-1500\*, CC-instr mx, tonal lang., W, exc (Bogel 3/22).  
11750.2 PAKISTAN RP; 0001-0013 EE, M, nx, cmntry on Labour Party, tornado in Bangladesh, poor (Edelstein 4/3); 0115-0132 Hindi/Urdu, amnts by M, subcontinental mx w/YL amnts, fair/good (Roberts 3/6); 0155 Urdu?, Indian-type mx, ?-lang (Schwartz 3/20). Freq: 4/10 -ed.  
11775 SWITZERLAND SBC; \*1315-1330 EE, Swiss canton tlk (Gaffin 4/2).  
11780 ISRAEL IBA; 1830 Hebrew, tlk, mx, //9630, 11700 (Zilmer 4/2).  
11785 SEYCHELLES FEBA; 0425-0450 EE, into Swahili at 0450, seems a new EE service (Padula-AUST 3/26, Bunn-AUST 3/28).  
11790 AUSTRALIA RA; 0722-0745 EE, Papua N.G. Svc, good but het against Radio South Africa w/QRM, 11790.2 (Walcutt 4/25).  
11790 NETH. ANTILLES TWR-Bonaire; \*0210-0245 SS, instr mx, nx, hymns, interview w/USSR svc. programmer (Hermann 3/23, Thompson 3/19).  
11790.2 SOUTH AFRICA R. South Africa (SABC) English Svc.; 1344-1357 EE, children's pgm; fair w/no USSR QRM now, het vs Indon. (Walcutt 4/25)  
11795 RWANDA DW-Kigali; 2310-2315 GG, M, nx, business (Plotnick 4/7).  
11800 ITALY RAI; 2112 Italian, ex-11905; unreliable (Padula 3/25).  
11800NF PORTUGAL RP; 1416-1430 PP, sporting event, fair (Gaffin 3/27).  
11800 SRI LANKA SLBC; 0200-0229 Hindi, mx, ads, no nx; fair/poor (Hermann 4/2); 1520-1732, two hours of excellent entertainment, fantastically loud & clear w/beautiful singing (Poppin 4/5).  
11805 BRAZIL R. Globo; 2205-0140 PP, sound effects etc. (6 reporters).  
11810 AUSTRALIA RA-Shep.; \*2230-0040 EE to S.E.Asia, ex-11705, //11725, Pacific nx (Padula 3/11, Zilmer 3/28, Sherman 4/1).  
11810 INDIA AIR; 1445 EE, Indian mx, sched ann., fair (McClanahan 3/16)  
11810 SEYCHELLES FEBA; 0308 s/on IDs in EE to 0315 Swahili religious pgms, ex-9700 (Padula-AUST nd).  
11810 USSR "Mayak" pgm 0607 RR, M&W nx, good (Hywarren 3/30). However, I wonder if freq is really 11820 as your //s seem low, too -ed.  
11815 INDIA AIR; 0040-0115\* EE, nx, poor (Bogel 3/29, Green 3/22).  
11820 AUSTRALIA RA; 2259-2305 Indonesian pgm, good (Schulman 3/21).  
11820 USSR-Frunze (Kirghiz SSR) R. Moscow; ???? EE (M.Smith 4/2). Site?  
11830NF AUSTRIA ORF; 2210-2228 SS to S.Am. (Sherman 4/1, Padula 3/26).

- 11830NF EQUADOR HCJB; 0255 ?-lang, gospel mx (Cress 3/25); 0610 GG to Europe (Padula 3/13). However, at 2140 TWR-Bonaire Norwegian -ed.
- 11830 USSR R.S. Atlantika; 1652-1715 RR, ID, mx, M&W tlk (Rojewski 3/24)
- 11835 SRI LANKA SLBC; 1030 EE, nx (Sherman 3/9).
- 11835 USSR R. Kiev; 0315 EE, nf w/that warm-voiced W ann, f w/HCJB splatter from-11830; probably far east site (Hauser 4/2).
- 11845NF SEYCHELLES FEBA; \*0344-0445\* AA (Padula 3/20, Bunn 3/28).
- 11845NF VATICAN VR; 0058-0115 EE to N.Am., //9605 (Earhart 3/26 & 3/31).
- 11850 ASCENSION? BBC WS; 0419-0444, here daily, pops on mid-program and continues to an abrupt s/off at 0444, //5975 & 6175 (Cress 4/10). After you reported this I heard the same thing; the relay on 11820 in SS goes off at 0413 so maybe there is a connection -ed.
- 11850NF SEYCHELLES FEBA; 0415 AA (Hauser 3/13). Now moved to 11845? -ed.
- 11855 SAUDI ARABIA BSKSA; 0506 Koran then FF talk on Saudi-French cooperation, super strong long-path signal (Bunn-AUST 3/28).
- 11855 PHILIPPINES FEBC; \*2330 EE, ID, nx, ex-11890 (Padula-AUST 3/11).
- 11855NF SEYCHELLES FEBA; 0430-0445\* AA, ID, addresses for correspondence, s/off w/tuning mx (Padula 3/13). Please check 11850! -ed.
- 11860 FRANCE RFI; 1720-1724 FF, M, fair, //11845 (Edelstein 4/2).
- 11860 MONGOLIA R. Ulan Bator; \*0600 Mongolian, relay of R. Moscow's Mongolian Svc. w/RM IS (Roberts 3/22 - many thanks for all your fine reports -ed); \*0600 ID by M followed by Mongolian NA, fair/good; thanks to J. Roberts for this great tip (Hywarren 3/21).
- 11865 SEYCHELLES FEBA; 0446 EE, much weaker than 11850 (Hauser 3/13).
- 11870 SAUDI ARABIA BSKSA; 0510 AA, fast vocals & instruments (Bunn 3/28)
- 11870 SWITZERLAND SBC; 1730-1800\* AA, nx, strong signal (Hersh 3/16).
- 11875 JAPAN NHK; 0930+ EE to Aust./N.Z., very weak (Mackay 3/12).
- 11880 TURKEY TRT; 1800 Turkish (Hersh 3/16); 2205 EE (Hoffmann 3/19).
- 11895 NORWAY RN; 1817-1822 EE/NN, M tlk (play), poor (Edelstein 3/20).
- 11895 USSR RM; \*0345 EE to Africa, ID & pgm schedule, poor (Mackay 3/19)
- 11915 EQUADOR HCJB; 0142-0430 EE, usual pgms (Valko 4/4, Swanson 4/1, Lawrence 4/5).
- 11925 NETH. ANTILLES TWR-Bonaire; 0045 EE, "DX Special" (Swanson 3/24).
- 11930 FRANCE RFI; 1745-1758 EE, Paris c/Africa w/letters (Ottawa 3/27).
- 11935 UK R. Canada I.-Daventry; 1530 EE, surprisingly good w/audio typical of cable feed we get from BBC-Sackville (Hauser 4/2).
- 11938 KHMER REPUBLIC Phnom Penh R.; 1211 unid. lang, Asiatic music and talks, poor (Miller 4/1).
- 11940 BELGIUM ORU/RTB/BRT; 1747 EE to 1800 DD to Afr. giving nx inc. sports in quite some detail, good (Earhart 3/19); 1750-1805 EE/DD, "Music Box" of European pops to 1800 (Roberts 3/20); 2200-2215\* DD news & sports, //9755 also heard (Sherman 4/2).
- 11955NF SRI LANKA SLBC; \*1845-1910 EE, IS, ID, subcont. mx, European Svc.; listeners requests; ann'd //9720, 7190 - 9720 also heard but weaker (Roberts 3/5). 1907 EE, European Svc. to U.K., ann'd //15120 which I have tried with better signal (Pineault 4/2). See this item in last month's; Jon Cohen writes "The Sri Lanka logging at 11955 was not tentative. I had a clear ID including mention of the fqy. I have also heard SLBC on 15120 at 1800." That leaves me odd man out because I have yet to hear it on this frequency! ed.
- 11955 SWEDEN RS; 1146-1158\* FF, features, QRM jammers (Bunn 3/14).
- 11960 ISRAEL IBA; 0500 EE, nx, //12045 (Zilmer 4/4, Padula 3/13).
- 11960 UNIT 1845-1850 HH or AA, talk by M under jammer (Schulman 3/31).
- 11970 MONTSERRAT DW-relay; \*1200 GG, poor; ITU lists 15 kw to S.Am. at 1200-1220 & 1300-1320 (Magne 4/4).
- 11975 USSR RM; 0530-0700 FF/PP to Africa (Young 3/21).
- 11985 ALBANIA R. Tirana; 1629 trumpet IS, ID in SS, then nx, fair with QRM from Prague (Hywarren 4/2).
- 11990 CZECHOSLOVAKIA R. Prague; 1628 AA, IS, ID, pips, fanfare & pgm summary (Hywarren 2/4); 1731 EE, farmers corner (Schipelliti 4/11).
- 11990 UNIT 1800-1930 Arab station under Prague, a Home Svc.? (Magne nd).
- 12005 EGYPT R. Cairo; 1840-1847 AA, W tlk, poor level w/QRM from VOA on 12010 (Edelstein 4/6); 2005 FF w/AA mx (Hywarren 3/29); 2144-2150 AA, Near East mx w/violins & percussions, good (McLaughlin 3/13).
- 12005 USSR (Byelorussian SSR) Minsk Dom. Svc. relay; 0600 RR, nx, classics at 0610, poor/fair (Cosier-AUST nd). Station per UHN #4.
- 12010 LIBERIA VOA-Monrovia; 1800 E.Afr. Svc., still here daily (Magne).
- 12035 USSR R.S. Peace & Progress; 1255-1258\* EE, tlk, IS (Schulman 3/26).
- 12035 VIETNAM VOV; 1523-1527 JJ into CC, two IDs (Poppin 3/19).
- 12055 CHINA RP; 0111 EE, on Afr. racism, QRM Moscow 12050 (Florian 3/8).

- 12085 KUWAIT!! RK; \*1658-2000\* EE, pop-rock mx; just about everybody is hearing this one (15 reporters, incredible; namely: Hywarren, Young, Magne, Sherman, Mackay, Roberts, Craig, Krueger, Zilmer, Sapoznikow, Miller, Pyatt, DeLong, McCoy, Frajer, Padula).
- 12320 ALGERIA RTVA; 6160 x 2, 2138-2201\* Kabyle, talk & mx, poor but fundamental just a mess of QRM and hets (Hauser 3/11).
- 13715.2 FRANCE France-Inter feeder; 1825 w/19h25 TC, beautiful reception on RCGSSB (Hauser 4/3). Obviously a feeder for an incipient Carribean relay station to improve N.Am. coverage, hi there! -ed.
- 15000 JAPAN JJJ; 2135 w/Morse IDs over WWV & WWVH (Lambard 3/9).
- 15008.7 VIETNAM VOV; 1245 Japanese w/beautiful Viet songs, //12035a, fair (Hauser 3/15); 1500 JJ, tlk, mx, //12035 (Zilmer 3/13); 1900-1930 FF?, tlk by M&W, Vietnamese mx, fair w/polar flutter (Cress 4/10).
- 15030 CHINA RP; 2320-2330 CC, lengthy M&W talk, chorale type mx at 2330 (Levesque 4/4); 0055 unid. S.E.As. lang, sounded like rev. ballet, tlk by M&W, very poor (Florian 3/8).
- 15084 IRAN NIRT; 1335-2135 Farsi, cmntry, Iranian mx (Schwartz 3/21, Hutchins 3/30, Rojewski 3/27, McClanahan 3/20, Levesque 4/8, Jones 4/4, Bishop 3/16). Lots of beautiful Iranian music here -ed.
- 15100 ISRAEL IBA; 1208-1218 EE, elections, milk contamination ruling, and Spring festival discussed (Earhart 3/15); 1955\* RR (Delong 4/5).
- 15105 ASCENSION IS BBC; 1200 FF Service, EE lesson, fair (Zilmer 4/1)
- 15105 FINLAND RF; 1330-1400 & 1430-1500 EE to N.Am. (6 reporters).
- 15110 CZECHOSLOVAKIA R. Prague; 1430 EE, nx, comment, f (Zilmer 3/19).
- 15110 USA WYFR; 0051-0056 SS, ID by M, mx (McManus 3/16); 1450-1500 EE, ID, freq ann., rel pgm (Lineback 4/3).
- 15115NF PAKISTAN RP; 1100-1115\* EE, dictation speed nx by M (Roberts 3/6).
- 15115 PORTUGAL R. Free Europe; 1900-2138\* Bulgarian, nx, medicine re: USA, w/EE pop mx, jamming (Hermann 3/19, C.Hoffman-PA 3/19).
- 15120 NIGERIA VON; 2040-2050 EE, hi-life mx, afro arts tlk (Rob'ts 3/26).
- 15120 SRI LANKA SLBC; 1903 EE, nx, ID, poor (Noonan 3/27). Cf. 11955-ed.
- 15130 BELGIUM ORU; 0711 DD, nx, freq-time schedule (Cosier-AUST 3/26).
- 15130 EGYPT R. Cairo; 1338 AA, nx, cmtry, fair (Schwartz 4/2).
- 15130 NEW ZEALAND RNZ; 0304-0310 EE, nx, wx, tribute to Percy Faith, ID, "This is the National Pgm." (Mackay 4/7); 0335-0405 EE, accordion mx, vocals, orch mx, piano mx, time pips, wx, IDs (Thompson 3/22); 0600 EE, TC, ID, nx, dis. Arab boycott of Israel (Hoffmann 4/7).
- 15135 GERMANY W DW; 1715-1745 EE to Central & East Africa, nx and comment, fair (Zilmer 3/27, Padula 3/13).
- 15140 SWITZERLAND SBC; \*1315-1345 EE to N.Am. (Schipelliti 4/11, C. Hoffman-PA 4/8, Schwartz 4/2); 1418 FF (Schwartz 3/19).
- 15140 USSR R. Moscow; 0054-0058 EE, Moscow Film Festival tlk (McManus 3/16); 1231-1258, RSP&P pgm in EE, "Spotlight on World Events", unid. lang at 1300 (Schipelliti 4/11, Jones-MISS 3/6).
- 15140 USA VOA-Bethany; 1945-2100 EE, Afr. Svc. (Wilson 3/6, Bogel 3/27).
- 15145 BRAZIL R. J. de Comercio; 0105-0110 PP, soccer (Earhart 3/20).
- 15150 CHILE LV de C; 0035-0050 SS, soccer, ID, best this season, fair (Schwartz 3/21); 0102-0115 EE, nx by W (Florian 3/12); 0314 EE to 0336 SS with "news of Chile" but actually a jungle travelogue, same as in English; they sure run their theme tune into the ground!; //9566 but not 11810 (Hauser 3/22); 1330-1333 EE, talk about Chile's geography by W (Sapoznikow 3/12).
- 15155 SOUTH AFRICA R. RSA; \*1756 GG, EE ID, nx, fair (Florian 3/19).
- 15160NF GREECE VOG; \*0900 GG/EE after flute IS, to Aust. (Bunn-AUST 3/15).
- 15160 HUNGARY R. Budapest; 1215 EE, nx, dx club, poor (Zilmer 3/16); 1433 EE, nx & cmnt, better on //17785 (Cosier-AUST 3/22).
- 15160 MEXICO XEWW "La Voz de la America Latina"; 0003-0020 SS, ID, pgm of Mexican pop & romantic vocals (Cress 4/2).
- 15160 USA WYFR; 1630 EE, "Open Forum" (Swanson 3/20).
- 15165 DENMARK RD; 1330 EE/Danish, IS, EE amn't into Danish pgm., fair (C.Hoffman 3/23); 1345 DD, cmntry, good (Schwartz 3/23); 1600 IS, DP/EE ID then nx in Danish; good w/ slight QRM (Hywarren 3/30); 1730, EE ID followed by Danish (Grenier 4/3).
- 15165 USA VOA-Greenville; 2142-2200 EE, interview Somali ambassador to the U.S. on "Press Conference USA" (McManus 3/26).
- 15165 VATICAN VR; 1505-1520 EE to India/S.E.As. (Troster 4/3).
- 15167 BRAZIL Ceará R. Clube; 2150 PP, Brazil pops, squeezed between Tahiti & splatter from HCJB on 15160 in SS; poor (Walcutt 4/26).
- 15170 SOCIETY IS R. Tahiti; FF/Tahitian 0040-0350 (5 reporters).
- 15175 NORWAY RN; 1340 NN, cmntry, ID (Schwartz 3/27); 1400-1430 EE,

- "Norway this Week", poor (C.Hoffman); 1455-1630 NN/EE, EE at 160 w/pgm on free legal aid, good (Ottaway 4/3); 1532-1548 NN (ID in EE), violin mx, interviews, vocal rendition of "Summertime" (Pop pin 4/1); 1610 EE, Int. W's Day, fair/good (McClanahan 3/13); 1820 NN, mostly talk, exc. (Brown 3/7); 2000 EE/NN, oil exploration off Norway (Plotnick 3/13).
- 15175NF USA WINB; 2359 SS ID, address, pronouncing "Red Lion" as if it were Spanish; fluttery modulation (Hauser 4/3).
- 15180 USSR RM; 2300-0000 EE, nx (Alexander 4/3, Hoffmann 3/20).
- 15190 CANADA RCI; 0020 FF, heavy Congo QRM co-channel (Levesque 4/4).
- 15200 FRANCE RFI; \*1700-1756\* EE, Paris c/Africa, letters ("P.O.Box 9516"), mx (Onken 3/27, Grenier 3/20, DeLong 3/20).
- 15210 FRANCE RFI; 1710 EE, best freq (McClanahan 3/13).
- 15220 HOLLAND RN; 1657-1700 DD, nx etc. (Green 3/20, Kukan 4/2).
- 15225 GERMANY W DW; 1010 GG for E.Asia (Padula 3/6).
- 15225 TUNISIA RTVE; 1615 FF, AA mx, FF tlk, fair, RN QRM (Bishop 3/15).
- 15230NF AFGHANISTAN RA; 1030-1055 RR to Eur. & Afghan mx (Padula 3/26); 1135-1145 EE nx, then local songs to 1158 when into Pushto, is ex 15195 from 1030-1300; 15390 is still using AA (Bunn-AUST 3/23).
- 15230 USSR RM; 0130 IS, ID and off at 0131; unusual conditions made Havana barely audible today (Hauser 4/2).
- 15235 PHILIPPINES FEBC; 0152 EE, tlk on educational TV (McClanahan 4/6).
- 15240 AUSTRALIA RA; 0605 EE, mideast situation talk (Hoffmann 4/7).
- 15240 SWEDEN RS; 1332 FF for S.Asia, ex-9545 (Padula-AUST 3/11).
- 15245 GERMANY W DW; \*1200 GG for N.Am. (not S.Am.?-ed) (Padula 3/8).
- 15245 ZAIRE LVZD; 0005-0058 FF/Vern., political talk, music w/strings (Schwartz 3/21, Earnhart 3/17); 1830-1900 FF, fingerharp & vocals to 1855 unid lang., ID & nx in FF at 1900 (Levesque 4/8). = "DSI"
- 15247v PHILIPPINES R. Veritas; 1400 EE ID (Michael Willis 3/8 & April).
- 15250 ROMANIA R. Bucharest; 1300-1320 EE (C.Hoffman, Mahler 3/5).
- 15260 ASCENSION IS BBC W.S.; 2205-2245\*, M77 sked only 2000-2115 but still on; xmtr supposedly moved down to 6005 for S.Am. (Hauser 3/11). Cf. 11850 for another such problem -ed.
- 15260 FRANCE UN Radio via RFI; 1828 AA, IS, FF ID, AA pgm (Breedon 3/22).
- 15260 JAPAN PEN; 2245 EE after BBC s/off, mx, weak (McClanahan-CA 4/6).
- 15260NF IRAN NIRT; 0600 Farsi, nx 0600 & ID, into Persian mx, //15084 which was stronger (Cosier-AUST 4/2).
- 15265 FINLAND RF; 1920-1928\* EE, dx pgm (Hermann 3/7).
- 15270 JAPAN NHK; 2347 EE to N.Am., gave time in Chicago & New York as if they were on DST already, but they got Tokyo time right; another ex. of a station so out of touch w/its target audience that it doesn't even know the local time there (Hauser 3/23). They used DST all winter -ed. 0005-0044 EE, usual pgm to N.Am. (Hoffmann 3/20, Hersh 3/30, Edelstein 4/3, Mackay 3/12, Brown 3/22, Florian 3/8). Thank-you all; strong signal reported. Now 15300? -e
- 15270 UK BBC W.S.; \*1230 Portugese, nx (European Svc.) (Zilmer 3/27).
- 15275 GERMANY W DW; 1615 GG, dis. of Berlin, to N.E. (Schwartz 3/20).
- 15290 PHILIPPINES VOA-Tinang; 2245-0015 EE, "Breakfast Show", fair (McManus 4/1, Schipelliti 3/20, Florian 3/21).
- 15300 ECUADOR HCJB; 0154 RR, daily 1/2-hour pgm to N.Am., many spurs on approx. multiples of 56 khz. separation from 15300, likely a mixing problem with FM subcarrier (Hauser 3/22). At least they seem to have cleaned up this xmtr & got back on correct freq as of 4/2 -ed. 1900 EE, "Crackerbarrel" pgm at 1915, good (Hersh 3/23).
- 15300 FRANCE RFI; 1606 EE, PCA - now on summer schedule, 1600-1700 GMT fair (Miller 4/3). Thanks for this useful information -ed.
- 15305 AUSTRIA ORF; 1500 GG, nx, fair (Zilmer 4/3).
- 15305 SWEDEN RS; 1241 EE, "Mailbag", good (Jones 3/27).
- 15310NF ECUADOR HCJB; 1400-1600, Swedish at 1400, Finnish at 1415, RR at 1430, PP 1530, Romanian at 1600 (Hauser 3/12). As you note, this splashes over R. Sweden's N.Am; xmsn, an unfortunate situation -ed
- 15315 LIBERIA VOA-Monrovia; 1705-1725, ?-lang, Afr. mx, g (Bogel 3/26).
- 15320 AUSTRALIA RA; 0108 EE, nx, finally back on regular basis here (Florian 3/8); 0607 EE, nx, Surprise! I didn't think anything could get through on 19 so late, weak but readable (Lambard 3/10).
- 15325 CANADA RCI; 1830 FF tlk, fair/poor (Hersh 3/23).
- 15325 UGANDA RU; 1800-1830 EE, 1830-1900 FF, nx, cmnt under Canada, poor (Zilmer 3/12, Edelstein 3/20, Hermann 3/17).
- 15327 BRAZIL R. Gazeta; 2320-2340 PP, ads, tlk, pop mx, freqs, poor w/het (Gaffin 3/17). Interesting - another split channel -ed.



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