

NEW MEMBERS. WELCOME!

John Baldwin, Toledo, Ohio. Via member Bruce Haines.
 Daniel Girard, Utica, New York. Via P.E. Communications Handbook.
 Philip Malloy, Munster, Indiana. Via 1970 World Radio-TV Handbook.
 Ronald Paul, Hamden, Conn. Via P.E. Communications Handbook.
 Robert Brode, Santa Monica, California. Via Hank Bennett/PE.
 Greg Kelley, Staunton, Virginia. Via P.E. Communications Handbook.
 Allan Kroll, Oak Park, Michigan. Via member Les Gaynor.
 Ronald Phillips, Kansas City, Missouri. Via P.E. Magazine.
 Ed McElwain Jr., Boulder, Colorado. Via member Bruce Haines.
 Charles Dingman, Butler, Pennsylvania. Via World Radio-TV Handbook '70.
 Leon J. Segal, Brooklyn, New York. Via P.E. Communications Handbook.
 Mark Schwing, Aurora, Colorado. Via number of NASWA members (not named).

RENEWALS

Second year; Arthur Burke Jr., Kenneth Knutson, Bruce Haines, Dave McLane. Third year; Chris Stark, Michel Berard, Alvin Sizer, Al Reynolds, W.R. Mitchell. Fourth year; Leslie Marcus, Edward Shaw.

NOTE: Members joining or renewing after 20th of month will be listed next month.

HELPING HAND SERVICE

Attention NASWAers in Brooklyn, N.Y. area! New member Leon J. Segal is interested in acquiring November, December, January and February (1969-70) editions of Frendx. He can be contacted at 45 Grace Court, Apt. 1C, Brooklyn, New York 11201.

RECENT AWARDS

Latest word from our awards manager Warren Nordgren informs us that the following have earned and been issued certificates;
 Steve Kamp- Worldwide DXer, 75 countries; Continental DXer, 13 North American; Continental DXer, 8 Oceania. David Volle- Worldwide DXer, 50 countries. Bob Byers- Worldwide DXer, 50 countries. (Cont'd)

(Recent awards, cont'd.) Craig Koukol- Worldwide DXer, 100 countries, Continental DXer; 28 European. Randall Goss- Worldwid DXer, 50 countries. Congrats to all! Be sure to see other data re awards in this edition of Frendx. We will be interested to see what reaction this is given by our members, and who will be the first. It should also be mentioned that we stand ready to expand our present awards program any time appropriate awards are submitted for consideration/approval. If you have any in mind, send complete data to Warren Nordgren, 2129 Linden, Waukegan, Ill. 60085.

"RADIO TODAY" MAG

Several members have written, telling of receiving their initial copy of RT (the inaugural issue, May '70). Majority seem rather disappointed. It appears that the editor of the SWL section, whomever he is (no name is given) has his own personal definition of what an SWL is. Too, he used reports from NNRC bulletin, and although he gave general credits, he failed to mention address of NNRC. (We are sure there are many subscribers to RT who are non-club members that would like info regarding clubs!) The editor goes on to say that future sections will depend on support from readers. Also that he may not be able to reply to all mail, in that he considers his work part of his hobby, "completely separate from a regular fulltime occupation (He did not mention that he also gets paid for editing the section.) In general then, the first SWL section of RT was a disappointment to many readers. Even so, it might be best not to judge too harshly, give RT a chance. We have it from good source that future SWL sections will be under editorship of a most capable and well known DXer; And we are certain his name will appear in upcoming editions.

"MAUSIC MUSICBOX"

Altho we dont usually cover data re satellites, we would like to mention that 2 NASWAers hrd the Red China one orbited 5/25. Bill Matthews and Gregg Calkin report hearing it on 20009 5/26 (1628-1637 and 2035-2041 GMT res ectively), broadcasting anthem "The East is Red". Possibly Bill and Gregg were first NA DXers to hear it. Info is it orbits earth evry 114 minits.

NEW AWARD AVAILABLE

The following award is now added to NASWA Awards Program and is available to all DXers qualifying.

MISSIONARY AWARD

This award will be issued for verifications from stations as specified. DXers must have verifications from any 10 stations in group I, plus verifications from any 2 stations in group II. (Group I) La Cruz del Sur-Bolivia, TWR-Bonaire, TWR-Monaco, TIFC-Costa Rica, HCJB-Ecuador, ETLF-Ethiopia, TGVA-Guatemala, 4VEH-Haiti, HRVC-Honduras, ELWA-Liberia, FEBC-Manila, KGEI-United States (Group II) Radio Lumiere-Haiti, SEARV-Manila, TGVN-Guatemala, CBS-South Korea, Radio Pacifico-Peru, FEBA-Seychelles. To apply for this award, follow same procedures as given for other awards in NASWA Awards Program. Copies of complete program can be had via Hdqs for self-addressed, stamped envelope.

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Exclusive

THE LOUDENBOOMER REPORT

Exclusive

"What ever happened to Max Moxey?" asked the young visitor to the Loudenboomer shack, referring to one of the best known DXers of recent years.

"You dont know?" Charlie answered. "I thought everyone had heard about poor Max. It was such a tragic thing, him so young and at the peak of his listening career and all. Let me tell you about it,,,"

The sad tale of Moxey's disappearance began one cold night in January. As everyone knows, Max had just one ambition in life...to verify Radio Tibet. Day afre day, week after week for years, the intrepid listener tuned the stations reported frequency to no avail. Never a sound did he hear. It could truly be said that Max's entire world centered on his quest for this elusive Asian.

That frigid night, after tuning for Radio Tibet in vain, for the 6324th consecutive evening, Moxey was sitting dejectedly in his shack when he heard a knock at the door.

"Just a minute...just a minute!" he snarled, his normally tranquil personality ruffled by his failure. He walked to the hallway and swung open the door.

To his surprise, there in the swirling snow stood a strange looking man dressed from head to toe in scarlet, yet Max thought him to be a human being. From beneath a red skullcap, ragged bangs of black hair emerged. His eyes were like glowing coals and Moxey noticed his ears were more than a bit pointy, like a red fox's.

"Hoaky smokes!" Max blurted out, "you look like the devil!"

"Precisely!" the tall stranger replied, "but would prefer to be called Mephistophocycles. However enough of this chit-chatl et's get down to the burning issue. I understand you want to log Radio Tibet, right?"

"More than anything in the world" Max answered.

"Yes, I thought so", the devilish visitor responded. "Now I have a proposition that I think you will find interesting."

So the man in red began to outline his proposal to the curious DXer.

"You just sign this little contract with me and I'll guarantee you will log Radio Tibet!"

"As simple as that?" queried Max.

"Well almost" said the stranger. "There is a little matter of payment though. When you sign this contract you agree to turn your soul over to me after a certain period of time." With that he pulled out a small japanned box and opened the lid. There Max saw a few tiny sheets of wrinkled, yellowed paper, similar to old IRCs.

"These are the shriveled souls of some of my past clients" Mephistophocycles chortled. Moxey shuddered involuntarily, but the offer was too tempting despite the terrible price. He had to have Radio Tibet! So picking up a pen, he signed his name of the dotted line. And as he crossed his last "x", the stranger vanished with the contract.

The next evening Max again dialed the familiar frequency of Radio Tibet. To his astonishment, there, with an S9 plus signal, was a man's voice saying clearly, "You are listening to the English language service of Radio Tibet." Hand trembling, Max jotted down voluminous details of the reception for the next two hours. Later that same night he slipped his precious airmail letter, addressed to Ihasa, into a mailbox.(2B cont'd)

NASWA ANARC REPORT - MAY

The headline this month concerns the 1970 ANARC Convention which will be held in Bellwood, Illinois hosted by the NNRC's Amateur Editor, Jerry Heien. Details as to dates, hotel information etc. have not yet been set. However all clubs will be notified just as soon as the information is available. If you have never been to a DX convention, we can assure you that you've missed one of the most rewarding and enjoyable aspects of this great hobby. We hope you'll make every effort to attend the 1970 ANARC Convention which is, of course, open to all DX'ers, regardless of club affiliation or DX interest. We suggest that you send an SASE to the convention host, Jerry Heien at 3822 Marshall Court, Bellwood, Illinois, 60104. You'll receive convention details as soon as they are available. If past years are any guide, you can expect a registration fee of about \$10 which includes a banquet on Saturday night. Your other costs will include hotel and additional meals. It's well worth the expense and we hope to see you there. Complete details should appear in the next ANARC Report if not elsewhere in this bulletin. At any rate, it's Bellwood in '70 and we hope to see you there!

In other ANARC news, Executive Secretary Gray Scrimgeour has announced next year's budget and pointed out that dues rates for the clubs will remain the same, \$1.50 per 100 members and \$1 for Associate Member Clubs.

The Iowa Short Wave Club is soon to discontinue operation. The expiring of a club is nothing new but we must salute ISWC for their method in announcing it in advance and discontinuing club memberships as they expire. Two other clubs are also in trouble it seems: Canadian International DX Club has not issued a bulletin since Christmas and Radio Listeners of America has apparently not sent out a bulletin in several months. Of the three clubs, only CIDX is an ANARC member.

The European DX Council is setting up its standing committees several of which ANARC does not have. These include a DX Publication Committee to gather information of publications of interest to DX'ers; a Reception Report Committee; a DX Programs Committee; a Technical Committee; a Propagation Research Committee; an Advertiser List Committee (to produce lists of commercial announcements broadcast on Latin American radio; an Idea Bank to follow club activities and present new approaches; and an Information Committee as a public relations arm. Scrimgeour asks if any of the ANARC Clubs might have an interest in ANARC's establishing one or more similar committees.

Finally, our QSL Committee reports that Radio Barquisimeto in Venezuela will accept reports in Spanish, English, German or Italian, IRC's and SIMPO are ok. Radio Brazil Central does not like SINPO, will take reports in Portuguese or English.



SHORTWAVE CENTER

SPECIAL FEATURES

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

Deadline 15th of Month

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UNCLE SAM SNOOPS

Recently, a tremendous slow-down of overseas mail (especially packages) has been noted by DXers. Many have wondered why such delays are occurring. At last the truth has been learned. Gerry L. Dexter noted the following article and passed it on. I noted a similar article stuck in the back pages of the Pittsburgh Press.

"Peeping Permitted on Overseas Mail"

St. Louis (AP) - The Post Office Department has quietly issued new regulations authorizing the opening of nearly all mail from overseas at the discretion of a postal clerk, the St. Louis Post-Dispatch said in Sunday editions.

Marquis Childs, a contributing editor, said in an article that only mail addressed to ambassadors and high government officials is exempt from the new policy.

The regulation was promulgated in the Federal Register several weeks ago and had gone unnoticed, Childs reported.

Under the new regulations, Childs said, any postal clerk can refer any piece of overseas mail to the Customs Bureau of the Treasury Department. He also wrote that other rules requiring the opening of mail are being drafted.

Childs quoted Martin Wolf, a spokesman for the Post Office Department, as saying the regulations were necessitated by the flow of hard-core pornography from overseas.

According to Childs, the new regulations would permit the opening of first-class mail without any showing of probable cause, a search warrant or anything beyond the belief of a postal clerk that the mail should be inspected.

"The post office" Wolf said, "has always had the right to turn over to customs any incoming mail that looks suspicious. In the past, customs had to seek permission from the intended receiver to open such mail. That requirement is done away with in the new regulations. But no postal clerk opens any mail. It is turned over to customs."

Childs wrote that one question being asked concerning the regulation is whether, under the Universal Postal Union and America's bilateral postal treaties with most countries, invasion of the privacy of the mails is prohibited.

Chicago Sun-Times, March 15, 1970.

More snooping and invasion of privacy....Orwell knew what he was writing about in 1984. I must point out that the "reason" offered by the postal official in question seems a bit thin...pornographic literature would be too expensive to be mailed (weight factor vs. postage rates). One would think that they would use FREIGHT, which is much cheaper and is used by legitimate book printers. Could it be that there is another reason??? Think about it... Also, this inspection is indeed taking place, for

UNCLE SAM SNOOPS

(continued)

a packet containing issues of the World Radio Handbook (older issues) sent from Denmark in November did not arrive until the very end of March. A packet of magazines from Radio Prague arrived - with three of the four sides in tatters - held together by a piece of Scotch tape. I questioned a local postal official who stated that the opening of mail is selective on the countries (not the individuals)..and that most of the mail from communist nations was being carefully checked...especially Cuba and Czechoslovakia. Some free world nations are also being checked.

One can just hope that the United States Customs officials will continue to be very careful not to ruin material inside packages and letters. They are good - let's hope the backlog will not ruin the quality with which they treat material.

W A Matthews

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H C J B

Special transmissions for the 4,500,000 Russian-speaking people in North America began recently from radio station H C J B, now in its 38th year of broadcasting from the equator. The programs will also be heard in Western Russia, Greenland, Japan, Taiwan, the Chinese Mainland, the Caribbean, and Central America.

ICB Bulletin

...via Rod Williams

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RADIO NEDERLANDON THEISLE OF THE FLAMINGOS

Bonaire has an area of about 106 square miles. With five other islands, it forms the Netherlands Antilles, an autonomous part of the Kingdom of the Netherlands. It is also known as the Flamingo Island, because of the colony of flamingos that have their home there.

Bonaire Noord, as the station is called, is easy to find. The visitor has only to follow the coast road running northwest from Kralendijk. Its position is revealed well in advance by the towering antenna masts. The station has two 300 Kilowatt transmitters built by the Philips concern. Each transmitter is housed in a large cabinet, containing amplifiers for the High Frequency section, in which the weak signals from the oscillator are amplified to the power required for the carrier wave, and for the Low Frequency section (modulator section) in which the program signal is amplified to the power required to superimpose it on the carrier wave and feed both to the aerials for transmission.

In addition to the cabinets, there is a considerable amount of equipment for provision of energy. The power distribution equipment is housed in a space occupying 4300 cubic feet of the building, and is crammed with transformers, rectifiers, condensers, and chokes. The cooling plant, ventilators, heat exchangers, and measuring and control equipment also demand a substantial amount of space. These are housed in a separate building with a floor area of nearly 5,000 square feet.

RADIO NEDERLAND
(continued)

The provision of electricity for the new station was in itself a problem. At full modulation, each of the transmitters consumes nearly 900 Kilowatts, much of it at 10,000 volts. Adding the power consumed by the lighting and air-conditioning plants, coolant circulation pumps and so on, brings the total to something like 2,000 Kilowatts. To meet this demand the station is provided with a generator plant, consisting of six diesel sets, each with a rated output of 500 Kw.; this is well in excess of actual requirements and will thus permit a highly desirable degree of flexibility in operation, while at the same time leaving at least one generator available as a stand-by during overhauls or in an emergency.

The choice of cooling systems for the transmitters and the engines powering the generators was perhaps just as complex a problem as providing them with energy. Local factors played an important role in the final choice. The station is quite close to the coast, and thus water cooling was found more satisfactory than air cooling, the more so in view of the high ambient temperature. The cooling systems of the transmitters and diesel engines employ fresh water. This is circulated by means of pumps and passes through heat exchangers, the jackets of which are fed with sea water by a number of high-capacity pumps situated several feet beneath the surface. After use, this water is returned to the sea.

The third main component of the station is the aerial system. Altogether, twenty-one aeri-als are used to beam signals in various directions on various frequencies. The majority are curtain arrays embodying reflectors - some active, others passive - which serve to limit radiation to one side of the array. A number of the aeri-als are of the twin-band type, i.e., they are suitable for two adjacent frequency bands. Switch gears, mounted beneath some of the aeri-als, enable the direction of radiation to be reversed or the angle varied within certain limits. In addition to the curtain arrays, there are a number of single dipoles for medium range transmissions, and finally, an omnidirectional quadrant aerial serving the local area. Seventeen steel pylons, varying in height from 80 to 330 feet, are required to support the aeri-als. These pylons are of open lattice construction and stressed by anchors let into the rocky bed on which the masts are erected. The aerial feeders and associated switchgear are mounted on steel masts, the foundations of which were made by drilling holes in the bed rock.

A large number of switches are needed to enable each transmitter to be connected to the aerial desired for a particular transmission. For their purpose (switching 300 Kw. of radio frequency energy), they are very sizable. They are housed in a special building in aluminium cabinets and are remotely controlled from the transmitter hall.

A few miles from the transmitting station is the Relay Center, in which the programs are compiled from material supplied from Hilversum. Items other than news and current affairs are prerecorded and flown to Bonaire by K.L.M. Royal Dutch Airlines. News and other items subject to change at a moment's notice are transmitted over a radio link shortly before the program is due to go on the air from Bonaire; a comprehensive receiver installation with a match aerial is used for this purpose and recording and editing machines enable these items to be rapidly prepared for transmission.

Radio Nederland
...via Albert S. Ilgentfritz

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Belated congratulations to NASWA member Angelo Coppola of Napoli, Italy, on being the high scorer for his nation in Radio RSA's DX-69 contest. His name appears in the March/April edition of "RSA Calling", which is published by the South African Broadcasting Corporation. NASWA ranked fifth in the scores of the Clubs. The ASWIC was second - and the winning club was the German Club, ADDXC.

RADIO AND TELEVISION
IN THE USSR

1922 marks the beginning of broadcasting in the Soviet Union. By 1924, Leningrad and Gorki on the Volga were broadcasting too. DXers may be interested to know that Louis Reksach of San Juan, Puerto Rico, on March 20, 1925, was one of the first hams abroad to acknowledge the reception of a Soviet shortwave station. He wrote: "Your signal was powerful enough to be heard on Mars and was exceedingly stable." What he had heard was RDW the transmitter made at the Gorki Radio Laboratory.

Radio Moscow is the largest station in the country. It operates both home and foreign services.

The home service of Radio Moscow transmits through long, medium, short, and ultra-short waves, and can be heard throughout the nation. More than 150,000,000 people listen to it.

Radio Moscow's home service runs several channels, totalling 140 hours per day. Besides the customary newscasts and commentaries there are various features to suit the tastes and interests of all ages and professions. There are round-table discussions, plays, sketches, concerts of classical and light music, fun shows, and contests and quizzes. There are special children's and teenage programs. In general, broadcasts are as varied as possible, about the same as all over the world. Some things are missing from Soviet radio and television programs - sex, violence, and murder.

The Foreign Service of Radio Moscow began in 1929 with broadcasts in German, French, and English. By December 1941, the Foreign service could be heard in 21 languages, a total of 51 hours per day. Today, Radio Moscow broadcasts over 60 languages to all corners of the globe.

Besides, some of the major cities broadcast for listeners abroad in 10 languages of the various Soviet nations.

The power of Radio Moscow Foreign Service transmitters varies from 50 to 120 Kilowatts. Antennas are rhombic and synphasic of different design.

In its numerous features the Foreign Service tells the world about life and people in the Soviet Union, about their work and recreation. The programs present the Soviet point of view on international affairs and questions from listeners are answered regularly.

According to the station: We here at Radio Moscow feel that relations between countries depend to a great extent on how well the people know each other. We try to make Radio Moscow programs promote better understanding and closer relations between us.

Local stations. The 15 sovereign republics of the Soviet Union have their own radio stations, and there are many smaller ones also. The various radio stations go on the air in 60 languages of the Soviet nations. In The Soviet Republics, a listener has the choice of 2 or 3 local channels, on long and medium waves and an FM music program, plus the choice of Moscow channels. Sixteen cities have two parallel radio channels. There are FM stations in about 300 cities. The TV studios in the Republics telecast in the local language and in Russian.

TV Service. There are 123 television studios in the country, and they all exchange programs extensively. 80 cities, including Tashkent, in far off Central Asia, watch Moscow television regularly.

The Moscow, or Central, Television studios broadcast on three channels, beginning as early as 10 a.m. on one, and closing down around midnight.

There are TV programs to suit all tastes, including news, talks, interviews, on the

RADIO AND TELEVISION
IN THE USSR
(continued)

spot coverage of the main events of the day, which includes major sports meets, talks by foreign ambassadors and visiting dignitaries, movies, drama, quizzes and games, dancing and foreign language lessons, amateur talent shows, physical exercises and do-it-yourself lessons for the very young.

The most popular are such programs as "News Relay" which reviews world and home news of the week; "The World Today", a discussion of international affairs by leading commentators; "Round the World with the Movie Camera"; "The Blue Flame", a show on which viewers meet people from all walks of life, cosmonauts and movie stars, Olympic sportsmen and scientists; and last but not least, "Wit and Resourcefulness", a quiz program that is popular among viewers of all ages.

In 1965, an agreement was signed with the French Government on the adoption of a mutual system of color TV for the two countries based on the French SECAM system and its standards.

Communications satellites relay signals between Moscow in the West and Vladivostok on the Pacific Coast, some 6,500 miles away. Thanks to elongated elliptical orbits, each satellite can relay shows for nine hours at a stretch. The satellite has a highly directional antenna oriented towards the center of the Earth and a 40 watt transmitter. Recently, yet another satellite was used to send a color TV program from Moscow to Paris.

Moscow TV is linked via an international cable with Prague and Berlin and through it, with all countries of the Intervision and Eurovision systems.

All radio and television stations in the Soviet Union belong to the government; there are no privately-owned stations.

Radio Moscow
...Bob Hagerman

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NEW USSR-CUBA LINK

Cuba and the Soviet Union have signed a technical assistance agreement providing for the installation in Havana of a satellite communications receiving and transmitting station, according to Radio Havana Cuba. The agreement also provides for the installation of a new telephone and telegraph radio service that will link Havana with Moscow. It is said that radio and television programs will be exchanged between the Cuban and Soviet capital cities.

Detroit Free Press
...via Bob Hagerman

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OUTSIDE THE BANDS

It is a well known fact that the frequency spectrum is divided in a great number of ranges, in which stations for different purposes operate. These frequency allocations are the result of international agreement, and are a kind of traffic regulation to avoid mixing various services, e.g., amateurs and aeronautical mobile, or between meteorological aids and ship-to-shore communications. The apparent cutting up of allocations for one type of wireless traffic along the shortwave range has been

OUTSIDE THE BANDS
(continued)

arranged to cope with changing propagation conditions. These band allocations have been subject to change, but operations of shortwave broadcasting stations are now running according to the agreements of the last conference of the International Telecommunications Union, which was held in Geneva, Switzerland, in 1959.

Nevertheless, a growing number of shortwave broadcasting stations are operating outside the bands allocated for broadcasting. The main reason for this is the severe overcrowding within the established bands: at the moment about 4 to 5 times as many stations flock the bands as can be allocated for interference-free reception, and the only way to get through under these circumstances is to put more field-strength in the receiving area than your neighbor. In other terms, the only way to be heard is to build a very strong transmitter or "creep nearer" to the target area by means of a relay station. Stations which cannot keep up this race have two alternatives - either get out of the business - or get outside the band. Under those circumstances some state-operated stations manage to get hold of one of the country designations in the point-to-point range, so that they will only infringe the international treaty partly, for they still operate on a frequency which is allocated to their country, though they are operating in the wrong mode (broadcasting instead of telegraphy, for example). The disadvantage of this method is forced on their neighbors in the fixed bands, their bandwidth is too big for the channel, so they blot out the adjacent frequencies and thus force these stations to leave that frequency suffering the interference. If the interfered station decides to stay, yet another case of "harmful" interference has been created.

There is, however, a second aspect in this matter. It has been said earlier that the band allocations are a matter of agreement between the members of the ITU. Basically all members of the United Nations are also members of the ITU; but not all the nations on earth are UN-members. Some have not even applied for membership, while others (the People's Republic of China, for example) have not yet been admitted. These countries have not signed any such agreement and thus are not bound to go in line with it. Some of these nations do not even supply their frequency schedules to the International Frequency Registration Board in Geneva, so that their frequencies cannot be taken into account.

If a station operates outside the allocated band, it is hard job to do something about it, especially when broadcasting is concerned, because it does not directly affect the safety of people, while the aeronautical and maritime communications ranges do. If a station does not belong to a nation which is a member of the ITU, the only possible way to do something about it must be through diplomatic channels.

If an ITU-member is concerned, more ways are open, but in all cases it can be concluded that no forceful methods are open to cope with infringements on the agreements and the practice of the last decennia has proved that in this field, the right still belongs to the strongest.

Jim Vastenhoud - Benclux DX Club

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DW-PORTUGAL

According to a letter just received from Deutsche Welle, the new relay station at Sines (near Lisbon) will begin transmissions in early JUNE. Programs will be beamed to Eastern Europe on "high frequencies" - this to overcome the "dead zone" experienced by listeners too close to Julich. No frequencies or times available at this time. Reports are wanted to the usual address, but add "High Frequency Department" to the address so that the letter may receive prompt attention.

W. A. Matthews

Q & A

Well, here we are again this month on yet another go at Questions and Answers - designed to test your SW memory. No prizes, no awards, this is just for fun. A couple of really tough ones this time, with an easy one tossed in so you won't feel too lost. Ready? Let's go,...

1. Who was Sendergruppe Bot-Weiss-Rot? Difficult? No, but here is one that is, who was RAVAG? What connection did it have with a popular shortwave station now on the air?
2. What was the last day of transmission by Radio Americas?
3. Back in the early and mid-1950s, scarcely a DXer didn't know this person... who was Marianne Linard?
4. What well-known DXer recently became a member of the Order of the British Empire? This same DXer had a "chat" with the Queen of England, Her Highness Elizabeth II, when she presented the award.

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RADIO FREE GREECE

Gregg A. Calkin

One of the newest "pirate" operations to have come on the air in recent months is Radio Free Greece; a station which has already broadcast initial short-wave tests off the coast of Greece from on board the yacht "Hebe".

The station is backed and financed by the "Canadians For A Free Greece", a Toronto-based group of 150 which counts among its members Dr. Andreas Papandreu, Chairman of the Pan-Hellenic Liberation Movement and son of the late Greek Premier, George Papandreu. A spokesman for the group, Janet Rosenstock, told NASWA's QSL Editor, Gregg Calkin, that the station's purpose is "to illustrate to the Greek people that there is support for them outside Greece, as well as to bring them unbiased, uncensored news reports."

Radio Free Greece broadcast its initial transmissions from the 22nd to the 25th of March from the 50 foot "Hebe", anchored off the west coast of Greece, approximately 250-300 miles from Malta where the ketch was rented. On board the 57-year-old vessel, to broadcast the pre-recorded tapes made in Toronto by Dr. Papandreu, were John Harney, Secretary of the Ontario New Democratic Party (and potential future leader of the party), Charles Taylor, son of the industrialist, E.P. Taylor, other Canadians, and a young Englishman.

The transmissions were designed as a pilot project, and based upon the results, plans will be formulated to set up a more powerful station. Mr. Harney said that the purpose of the venture was to prove that "with a little money and a few people something could be done. We knew we were unlikely to reach the major population. The trip was meant to be a symbolic gesture."

During the voyage, the only communication between the "Hebe" and the outside world was a telephone call to London (via Italy) where informants told Mr. Harney on the second day of transmissions that the Greek government had acknowledged his broadcasts. Jamming started soon after that.

The venture cost the Toronto group some \$ 7000.00, including \$ 3500.00 for the transmitter, and was financed by loans and gifts from friends and acquaintances across Canada.

RADIO FREE GREECE
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The future of the project is not yet clear. An international committee to set up a permanent large-scale radio operation to send anti-government broadcasts into Greece is being established. The committee will be headed by Hans Janitschek, General Secretary of the Socialist International in London, England. The project, which would require at least \$ 200,000.00 for a transmitter alone, reportedly already has broad European support. Large scale fund raising drives to repay the original loans and to raise money for the major operation are to start in the near future.

When questioned as to the frequency of operation, Miss Rosenstock was reluctant to make it public for fear of jamming by the Greek government. She was finally persuaded however to tell your QSL Editor that there were several potential frequencies, the major one being a BBC SWBC frequency, which she believed to be 15.07 mhz. Checks of 15.07 mhz. here in Ottawa on March 25 and 26 revealed a high jamming level behind the BBC in late evening GMT.

The future? It is still too early to tell if Radio Free Greece will return, but officials are hoping for a larger more powerful station later in the year. Miss Rosenstock said that when they resume transmissions, they will be desirous of reports which may be sent to: Radio Free Greece, 8 Esterbrooke Avenue, No. 22, Willowdale, Ontario, Canada. When the exact dates are known, they will be announced in FRENDX.

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PAGES FROM THE PAST

Barry C. Williams

From a small New Zealand magazine, I came across an article which I will repeat almost in its entirety. The "New Zealand Radiogram" of January 1946 carried an article "Down the Years" by an un-named author. The writer recalled some of the listening fare in the days of radio's infancy.

"In the dim and dusty past, I was lucky if I heard a dozen consecutive words weekly (mainly from Perth, Western Australia) but the air was full of curious rasping sounds. These, I was informed, were a quaint phenomina called morse. So I learned morse and was able to follow the freighters lumbering around the Pacific, notable amongst these for consistency was KUQJ, the S.S. Golden Coast. However, the months sped by, bringing a crop of broadcast stations plus receiver improvements.

Early one morning, I received opera selections from a station on the broadcast band. It was Switzerland. I told all and sundry, but I was a prophet without honour, especially after the sceptics had viewed the spidery looking receiver I was operating. So in sheer self defence, I wrote away detailing the items heard, and after a weary wait, I received the letter I was looking for. It verified my report and the station was curious to know what type of receiver I was using, as the station I heard was using a power of only 250 watts. This gave me a shock, but nothing to the shock my numerous disbelievers received as I waved the confirming letter in their faces.

And so began my acquisition of QSLs. Strange to say, I have only received about a dozen broadcast stations worthy of QSLing. I specialized on shortwave when these stations started to make their voices heard.

In the later 1920s, some of you old timers may remember the Jervis Bay tests with VK2ME. VK2ME using duplex telephony tested to Germany, Canada, New York, and PKXX (a Dutch station).

The first station I received with any consistency on SW was the old PCJJ (later called

PAGES FROM THE PAST

(continued)

PCJ - Holland), whilst Khabarovsk on 70.2 meters was also received regularly. PCK, a brother to PCJ, also became very consistent, but never had the popularity that PCJ had.

In 1929, I scored a very good catch "Radio Wien" in Vienna, Austria. This station, operated by Radioverkehrs A.G. under the guiding hand of Dr. Lirza, used a carrier power of 20 Watts on both 49.4 and 24.7 meters.

FTN and FT3 (Paris, France) were received with good consistency - as was their Saigon station, FZS. W9XF in Chicago next gained my attention and was a source of considerable enjoyment each Sunday afternoon.

F3LCD (Radio Saigon) together with KZRM, the "Voice of the Philippines", soon became landmarks on the shortwave bands. Very infrequently, the microscopic voice of TILNRH, Heredia, Costa Rica, was occasionally heard with the then novel bugle call identification signal. A very handsome QSL was received from this station. About this time, I received the largest QSL which I had ever received - 12 x 16 inches. It was from HRB, "The Voice of the Tropics", a station in Tegucigalpa, Honduras, operated by the Tropical Radio Telegraph Company. This massive QSL card was received just after August 1930 and was totally out of proportion to the station power - which was only 40 watts.

As the 1930s marched on, more stations appeared on the shortwave bands, and reception, by virtue of more efficient transmitters and receivers, became less uncertain on the shortwave bands. G2NM (Chelmsford, England) vanished and others took its place. American stations jumped up to 50 Kilowatts and there was a corresponding increase all over the world. One unusual station was a pirate located in Turin, Italy. The operator was a warden in the local goal (prison-ed), and one had to go through a mysterious process by writing to an address in France to get his QSL.

My first South African was CR7BH in Lourenco Marques (500 watts on 11.7 mcs), closely followed by one in Pretoria, Union of South Africa. Radio Tanararive (500 watts on 10.9 mcs) of French Madagascar came next on the list.

Luxury liners then became fashionable, the most distant being the "Queen Mary", the "Conte Rosso" (italian), and nearer to our shores, 9MI (S.S. Kanimbla) and of course the "Awatea". Two Sedish ships could be heard at times, broadcasting speech only, these being the "Allirra brooke" and "Parrakoola" both engaged in the continental-Australian trade."

(adapted)

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These early days of DXing New Zealand style have been presented by Barry Williams in a series of four articles. Thank you, Barry! By the way, I think perhaps we've discovered one of the first "clandestine" operations - that prison warden and his transmitter! Things certainly have changed.....

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Q & A

Tazed your memory a bit? That's good! The answers to this month's Q & A are as follows:

1. Sendergruppe Rot-Weiss-Rot was operated by the United States Military Government in the occupied territory of Austria. The station operated from Salzburg on 9562 khz. with 10 kw. RAVAG was operated by Soviet occupation authorities in Austria. The station is now...the Short Wave Service of the Austrian Radio! RAVAG operated from Vienna on 6155, 11785, 7245, and 9665.

Q & A

(cont)

2. Radio Americas ended service on May 15, 1968.
3. Marianne Linard was the popular hostess of Radio Denmark's English language programs, and along with Eddie Startz of Radio Nederland, was probably the best known SW radio personality. This was when Radio Denmark's evening programs to N.A. 0200-0330 GMT were easily and widely received on 9520 khz. Her Saturday Night Club was a particular favorite of listeners.
4. Arthur T. Cushen of Invercargill, New Zealand, probably the best DXer living - and well known radio announcer (NZBC, TWR, R Nederland, to name just three) - received the honor of the O.B.E. for his outstanding contributions to the blind in New Zealand. We salute you, Arthur Cushen, on this momentous occasion and send you greetings from all members of NASWA!

* * *

Special thanks to Don Jensen for his contribution of Marianne Linard (Number 3). Even I was stumped by that one. Your comments have been very much appreciated and the series "Q & A" will certainly be continued in the future.

* * *

THE SITE AND WHERE TO FIND IT

Gregg A. Calkin

Take a moment and look at your QSL collection! Do you have verifications from Velkekostolany or Sparendaan, from Szekesfehervar or Junglinster? "No," you say? "Where are they? Central Asia or rare Arab Sheildoms?" No, these are stations which are represented in many collections, for they are the transmitter sites of Czechoslovakia, Guyana, Hungary, and Luxembourg respectively!

Actually, the site of the SWBC transmitter (as opposed to the studio) is one aspect of a DX catch which is often overlooked. For years the concept of the ideal QSL has been one which states the date, time, and frequency. If the station has also included the power and a signer, the DXer is ecstatic. But rarely has he insisted upon, or even asked, that the transmitter site be stated. The reason for this has been the traditional simplicity of many stations, so much so that the DXer could, with reasonable security, assume in most instances that the transmitting site to be in the stated studio city. However, with the growth of modern transmitting complexes, broadcasters have expanded their facilities to include both overseas relays and more complex transmitting facilities in various areas of the origin country. For example, when listening to the Overseas Service of Radio Australia, you may be hearing Lyndhurst, Shepparton, or Darwin, geographically situated at opposite ends of the continent.

One interesting aspect of this "site" question concerns certain misconceptions regarding the DXed country, state, or province. The Vatican Radio transmits from two sites, one in the Vatican City and the other in Italy. RIAS transmits from West Berlin and from a site in the G.F.R. (Munich). When listening to WNYW in New York, you are actually hearing the transmitting site in Massachusetts and when DXing Radio Canada, you are not hearing the Province of Quebec, but the Province of New Brunswick, at a site several hundred miles from Montreal.

THE SITE AND WHERE TO FIND IT
(continued)

Secondly, several stations maintain more than one transmitting site in the same country. Many of these are well-known, due primarily to the fact that the broadcasters will announce the sites on the air (example: the U.S. transmitters of the VOA). Other stations however will not announce the sites. Did you know for example that Prague, Budapest, Berne, and Baghdad each maintain 2 sites for their transmissions, although they are never announced? Accra maintains three, BEC/England maintains four, and so on. In certain instances, one site may be a great DX catch, while another may be very common. The Norwegian site at Frederikstad is the normal channel heard in North America, yet how many have logged the very rare Tromso transmitter?

It is with these thoughts in mind that the following list, in co-operation with the I.T.U., has been prepared. It is a partial listing of those broadcasters who are known to have one or more transmitting sites outside the studio city. It will, the writer hopes, indicate further scope of DXing activity in stations now considered heard and verified, for indeed the dissection of a station into verification of its individual sites is a worthy DX objective. Additionally, for those who like to stick pins in maps, and for those who wish to accurately compute distances (See DX STATION DISTANCES BY TRIGONOMETRY by Bruch Churchill in May/67 FRENDX), the geographical coordinates are included for each site. The actual frequencies in use at each site are often changed and consequently, with few exceptions, cannot be included. If the DXer cannot determine the site, he can request notification of it in his report.

<u>COUNTRY/STATION</u>	<u>STUDIO CITY</u>	<u>XMTR SITE</u>	<u>COORDINATES</u>	<u>ETC.</u>
<u>ARGENTINA</u>				
Radio Nacional/RAE	Buenos Aires	Gral. Pacheco	5822 W 3436 S	
Radio Nacional/LRA	"	Mendoza	6852 W 3253 S	6180
Radio Belgrano/LRY	"	Hurlingham	5839 W 3435 S	
Radio Splendid	"	Lomas Mirador	5838 W 3440 S	
Radio EL Mundo/LRU/X	"	S. Fernando	5834 W 3427 S	
<u>AUSTRALIA</u>				
Radio Australia	Melbourne	Darwin	13037 E 1225 S	
	"	Lyndhurst	14516 E 3803 S	
	"	Shepparton	14525 E 3620 S	
VLH/VLR/VIG	Melbourne	Lyndhurst	14525 E 3720 S	
VLX/VLW	Perth	Wanneroo	11549 E 3151 S	
<u>AUSTRIA</u>				
Austrian Radio	Vienna (Wien)	Aldrans (Innsbruck)	1127 E 4715 N	
	"	Moosbrunn	1628 E 4800 N	
<u>BELGIUM</u>				
Radif-TV Belge	Brussels	Wavre	0434 E 5044 N	
<u>BONAIRE</u>				
Radio Nederland	Hilversum	Bonaire Noord	6819 W 1213 N	
	"	Bonaire Zuid	6817 W 1206 N	formerly
Trans World Radio	Monte Carlo	Bonaire Zuid	6817 W 1206 N	
<u>CANADA</u>				
Radio Canada	Montreal	Sackville, N.B.	6419 W 4553 N	

THE SITE AND WHERE TO HEAR IT
(continued)

<u>COUNTRY/STATION</u>	<u>STUDIO CITY</u>	<u>XMTR SITE</u>	<u>COORDINATES</u>	<u>ETC.</u>
<u>CANARY ISLANDS</u>				
Rad. Nac. de Espana	Sta. Cruz/Madrid	Las Mesas	1615 W 2828 N	
<u>CEYLON</u>				
Radio Ceylon	Colombo	Ekala	7954 E 0706 N	
<u>CONGO REP.</u>				
Radio-TV Congolaise	Brazzaville	Brazzaville	1518 E 0415 S	
	"	Pointe Noire	1201 E 0451 S	4765khz
<u>CZECHOSLOVAKIA</u>				
Radio Prague	Prague	Prague	1509 E 5009 N	
	"	Velkekostolany	1744 E 4831 N	
<u>ENGLAND</u>				
B. B. C.	London	Daventry	0108 W 5215 N	
	"	Woofferton	0243 W 5219 N	
	"	Rampisham	0238 W 5048 N	
	"	Skelton	0254 W 5444 N	
<u>ETHIOPIA</u>				
Radio Ethiopia	Addis Ababa	Addis Ababa	3843 E 0858 N	
Radio Voice of Gospel	Addis Ababa	Gedja	3838 E 0847 N	
<u>FRANCE</u>				
ORTF	Paris	Allouis	0200 E 4700 N	
	"	Issoudun	0213 E 4710 N	
<u>GABON</u>				
Radio-TV Gabonaise	Libreville	Libreville	0926 E 0025 N	
	"	Franceville	1333 E 0136 S	
<u>GERMAN DEM. REP.</u>				
Deutschlandsender	Berlin (E.)	Konigswusterhausen	1337 E 5218 N	
Radio Berlin Int.	Ber. in (E.)	Konigswusterhausen	1337 E 5218 N	
	"	Nauen	1254 E 5238 N	
	"	Leipzig	1222 E 5114 N	
<u>GERMAN FED. REPUBLIC</u>				
RIAS	Berlin (W)	Berlin	1320 E 5230 N	6005
	"	Ismaning (Munich)	1145 E 4815 N	6005
Deutsche Welle	Cologne	Juelich	0622 E 5057 N	
Bayerischer Rundfunk	Munich	Ismaning	1145 E 4815 N	6085
Sudwestfunk	Baden-Baden	Rohrdorf	0907 E 4801 N	7265
Suddeutscher R/funk	Stuttgart	Muhlacker	0851 E 4857 N	6030
Radio Free Europe	Munich	Biblis	0830 E 4941 N	
	"	Holzkirchen	1144 E 4752 N	
Radio Liberty	Munich	Lampertheim	0833 E 4930 N	
Voice of America	Washington	Ismaning (Munich)	1145 E 4815 N	

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Part II of this article will appear NEXT month. Look for it! Also, the article on Radio Malaysia...plus lots more. See YOU then!

BRAZIL: Radiodifusora de Teresina, 4845, personal card in English from General Director José Lopes dos Santos, p/p/card, 2 different pennants, airmail. 2 weeks for mint stamp (Sparks)

BULGARIA: Radio Sofia, 9700, 2nd card in series of 6, w/pic of "Nessebar". No IRCs. (Marks) card and sked in 2½ months (Hedstrom) Sofia U card in 48 days. No IRC (Jones)

BURUNDI: Radio Cordac, card in 7½ months w/full data for 4895 kHz. Rpted in English w/3 IRCs. V/S: J. David Riley who notes frequency now 4900 (Shepherd)

BYELORUSSIAN SSR: Minsk, 7330, green card via Moscow in 39 days for 2 IRCs (Michalenka)

CAMEROON: Yaoundé, 4972.5, 2 map cards in color, 6 weeks air. Rpted in French w/IRC.

(Hurst) attractive world map card in 6 weeks air for 2 IRCs. Rpted in English (Anderson)

CANADA: Radio Canada sent 25th anniversary card for 9625 kHz in 34 days for taped rpt.

Tape reel not returned, altho' 2 IRCs included for that purpose. (Lechleiter) 1 month w/black/white/blue/pink card from Supervisor of Information Services. (Banta) Bluenose II card in 60 days; rpted on Radio Canada rpt form w/out IRC (Coppola)

CFCX, Montreal, 6005, long white card, printed in red, stating site as Caughnawaga, Quebec across the St. Lawrence from Montreal on the Iroquois reservation. 1 3/4 months (Patterson)

CHNX, Halifax, 6130, blue/white card in 12 days listing pwr as 500 watts (Paul)

CFVP, Calgary, 6030, sent nice card of studios in 11 days seaimail. Mint stamps sent. Power lists as 100 watts on QSL (Calkin)

CAPE VERDE IS: Radio Clube de Cabo Verde, Praia, card in 18 days for 3883. Rpted in English w/3 IRCs. Card is green with call letters dominant (Kusalik)

CHILE: Radio Cooperativa, 9690, 8½ months card, nominally listing 9700 kHz. (Patterson)

CHINA: Radio Peking, 17673, no QSL, but 10 p/cards and 4 1970 calendars of varying sizes and 5 magazines. 3 months seaimail (Banta)

COLOMBIA: Radio Nacional, 4955, card showing pre-Columbian statue w/"QSL" in large letters in outline type, 2 weeks, no return postage. (R. Fisher) card of gold pottery w/date only in 33 days air (Hedstrom)

Radio Atenea, 6150 kHz, Spanish form letter from Luis Felipe Barahona Madrigal, Dept. de Promocion y Correspondencia, and a small pennant. 75 days for 1-IRC. (Patterson)

TIFC, San José, 9645, b/w card, sked and calendar by air in 5 weeks. IRC (Hurst)

Radio Reloj, 6003, English letter in 25 days air for mint stamps (Hedstrom) 2 weeks air from Miss G. Baharona stating no pennants at this time, but giving full data. (Haines) 4692, letter in English stating my report correct and helpful. 46 days air (Marshall) letter in English thanking me, but no data! after one year (Patterson)

CUBA: Radio Habana Cuba, 17735, card in 1 year & transcript of Mailbag programme answering my questions (Hedstrom) blue stamp card in 6 months air w/Cuban key ring souvenir. Rcvd letter stating it would come, earlier (Lechleiter)

CYPRUS: CBC, 9715, full data card in 12 days for English report and 3 IRCs. (Poulis) 9715, 1 month for registered report (Glasberg) card for 4 IRCs (Macnaughton)

BBC, 7140, Thames card w: "East Mediterranean Relay" typed in; 2 months. No IRCs (R. Fisher)

CZECHOSLOVAKIA: Radio Prague, colorful outline of buildings card for 9540 in 40 days air. No IRCs. (Parkinson) 6140, card airmail w/view of towers; 4 wks air. No IRCs and they gave wrong frequency (Padula) 1 month air (Heggs) 39 days air, for 7345 (Handler) 5930, 28 days (Hicks) card of Bratislava w/full data in 6 wks air (Banta) 9540, color card in 2 months air. Full verie (Caldwell) Prague Castle card for 9505 and Peace Square card for 21700 in 6 wks w/FDCs (Anderson) blue card in 39 days (Jones) Anyone know what happened to Vladimir Kucera? (Banta) or Martha Trojanova, for that matter (GAC)

DAHOMY: Cotonou, 7190, multi-colored card, 4 weeks air. Rpted in French w/3 IRCs (Padula)

DODECANESE IS: VOA, Rhodes, full data card from Washington in 1 week from Vivian Despot No IRCs. 7110 kHz; rpted to Frequency Division but no data, so returned and asked for it. (R. Murphy)

ECUADOR: Emisora Gran Colombia, 4910, letter in Spanish and pennant. Letter in Spanish and pennant. Letter is signed by Eduardo Cevallos C., Director. 53 days (Patterson)

HCJB, separate cards for 9615 and 6070 kHz in 4 months each. No IRCs (Padula) 9745, brown/orange card in 4½ months; + 17880: green/light blue card in 4 months (Marshall) 15115/17880, church in mountains card for 1-IRC in 55 and 60 days (Jones)

Radio La Casa de la Cultura, Quito, 4930, letter and sked in 6 weeks air from H. Perez Estrella, Director. SASE sent (Field)

Radio Paz y Bien, Ambato, 4820, letter, card and pennant from Manuel Ambo Valarezo L., Gerente. SASE sent. 3 weeks air (Field)

EL SALVADOR: Radio Nacional, 5980, new blue/white card w/sketch of antenna and freq. list in 1 month air for rpt in Spanish w/mint stamps. (Lobdell) 3 weeks for typed rpt in Spanish. 3 IRCs (Sterling) white/blue card in 25 days for English rpt w/2 IRCs. (Kusalik) 5980, air in 2 weeks for 4 IRCs. Rpted in Spanish (Padula)

ENGLAND: BBC, regular Thames card for 9510 in 44 days. No IRCs (Byers) 5975, Thames card w/no data after 22 days seamail. Rpted by air (Coppola)

VOA, 15195, usual card although rpted to Frequency Division; 11 days from Vivian Despot (Scoville) card, no frequency, no signature, no site, only date (Heggs)

ETHIOPIA: ETLF, 9725, card and sked in 22 days for 2 IRCs (Hedstrom) air in 1 month for 11910 kHz; 3 IRCs (Glasberg) card, 5 months, no IRCs (Marks) 15315, blue/white card in 2 weeks; 138 days; 2 IRCs (Steen) 5½ months (Patterson)

FIJI IS: Radio Fiji, 3284, card of Suva St. Scene, and letter in 12 days. 1-IRC.

Letter from P. L. Littin, Engineer (R. Fisher) 3230, blue card of Suva Street Scene, in 22 days seamail for 5 IRCs (Pappas) aerogramme letter for 7195 in 2 wks. No IRCs (Padula) 3230, 18 days air w/card from A.N. King, including, in error, tape belonging to R. W. Fisher w/recorded Indian song (Heggs)

FINLAND: FBC, 15185, map card in 6 weeks by air (Taylor) 1½ months air, no IRC, usual card - all details (Heggs)

FRANCE: ORTF, Paris, 15295, orange card in 35 days; sked followed 5 days later. 3 IRCs air (Weber) multi-pictured card, w/French veri on reverse for seamail tape rpt. No IRCs (Haines) 2½ months seamail for 15295; Gives address as Box 5916, Paris 16 (Anderson)

G.D.R. RBI, 11700, card, sports star series, air w/full data in 8 wks. No IRCs (Padula) 6100, colorful card in 59 days. Full data (Scoville) 5955, card w/complete data in 3 months (Paul) 11900, sports star card, 4 weeks air. No IRCs (Padula) Humbolt U. card in 3 months air for 5955 w/personal note from Rudolf Friedel. No rp (Anderson)

G.F.R. VOA/Munich, 3980, star card w/date and name of site in 4 months seamail. Air report sent w/out IRC (Coppola)

DW, 9735, blue map card, tourist info and QSL requirements sheet in German in 2 months for air rpt. (Lechleiter)

RFE, Biblis, 6115, blue/white card from NYC. Definitely more attractive than b/w card of a few yrs ago. 1½ wks air for mint stamps. No time given (Calkin)

GHANA: Accra, 4915, card in 1 month by air for 2 IRCs. Full data (Taylor) 17870, 4 months seamail. No IRCs. Full data (Padula) 4915, 1½ months (Patterson)

GREECE: Greek Armed Forces Radio, 6045, letter in English, sked and request for stamps from A. Alexander, Public Relations Office. 6 weeks air for 3 IRCs (Field)

HONDURAS: La Voz del Junco, HRMH, Sta. Barbara, very nice letter and 2 colorful pennants in 3 weeks air. Letter is from Antonio S. Hasbun V., Director, giving all details and programme data. 2 IRCs sent and reported in Spanish for 6075 kHz. (R. Murphy)

HRVC, 4820, card w/veri statement in 6 weeks air. IRCs (Taylor) card from Jane Hutton, QSL Manager in 3 colors w/letter (Handler)

INDIA: AIR, card w/full data and sked in 3½ months for 3 IRCs. (Weber) card of "Handicrafts of Kashmir" in 50 days for 9912 kHz. 3 IRCs; reply by air (Glasberg) 11810, and by air in 69 days for 2 IRCs (Marshall)

IRAQ: Radio Baghdad, 6095, yellow card w/map of Iraq including date, frequency and power; also travel folders. 60 days for 3 IRCs (Elliott) air in 2½ months for 3 IRCs (Byers) 52 days w/date and frequency only. 3 IRCs (Scoville) 6095, yellow card, printed in blue and 3 languages. 3 months (Patterson)

ISRAEL: Jerusalem, 9009, 17th C Jerusalem scene card, copy of "Jerusalem Post" and sked in 28 days for 3 IRCs. (Kroll) letter in 1 month from Eilen Hyman stating printed matter etc would follow by seaimail. (Anderson) 8 weeks by air, painting card and "Post" (Banta)

ITALY: RAI, 10 weeks airmail for 3 IRCs (Burke) 6010, 37 days seaimail; 7-color card w/all data (Handler)

JAPAN: FEN, 6155, white/blue card from Lt.-Col. Frederick Forte, USAF, Chief FEN. 17 days only (Patterson)

NHK, Expo 70 card, "Tower of The Sun" in 44 days for 4-IRCs. (Burke) 4 color card for 21640, 17725, 17825, 15235, 2 weeks air (Caldwell) 2 months for 15105 seaimail, w/usual enclosures (Handler) 17825, returning IRC and stating not needed (Lechleiter) 10 weeks seaimail (Banta) 17880, 10 days (Anderson)

KIRGHIZ SSR: R/S Rodina, Frunze, letter from Mrs. Eugenia Stepanova at Radio Moscow w/full data in 2 months air. Reported in care of her, but she states correct address is simple R/S Rodina, Moscow, USSR (Hicks) Did she specify transmitter site as Frunze, Terry? (GAC)

KOREA (REP): VOFK, Seoul, 15430, color card of Chonje-yun Falls w/full data in 1½ months air. 3rd rpt in 2 yrs. If at first... (Lobdell) 68 days for 3 IRCs (Weber) 2 months showing dancer in native dress. No IRCs (Macnaughton) 7 months air (Caldwell) "drum dance" card in 3 months air (Caldwell)

LIBERIA: VOA, star card w/date and site; 3 months seaimail (Coppola) 6 days, 7195 (Jones)

LITHUANIAN SSR: Kaunas, 11870, card via Moscow in 39 days for 2 IRCs and Eng. rpt. No location given, although specifically asked. (Michalenska) ITU shows Kaunas (GAC)

Radio Vilnius, 7120, card w/full data and showing 3 women in local dress, and packed of 16 p/cards - 9 weeks seaimail (Banta)

MAURITANIA: Nouakchott, 4850, colorful card in 6 months for French rpt and 3 IRCs. Stamps sent to V/S: who is collector. (Lemna) beautiful card in 8½ weeks air for 4850 (Haines)

MEXICO: Radio El Eco de Sotavento, Veracruz, 6020, letter in Spanish from Baltazar Pazos de la Torre, Engineer. 1 month (Patterson)

MONACO: TWR, 7290, card showing buildings and mountains in bkg. 10 wks sea (Banta)

MOROCCO: Radiodiffusion-Télévision Marocaine, Rabat, sent very attractive map folder card w/vague QSL statement in Arabic, French and English, and enclosed sked. QSL is signed illegibly, but contains friendly greeting and official station seal. By surface in 3½ months for 9615/Tangier (Calkin)

VOA, 15205, card, 13 days (Handler) 7285, 9 days (Jones)

NEW GUINEA: Radio Daru, 3305, network folder card in 5 months air. 3 IRCs (Field)

NEW HEBRIDES: Radio Vila, card of 7260, hrd from Nouméa, 3½ months after reminder. Rpted in English w/3 CRCs and p/cards. V/S: A.R. Worner who states they expect to increase power to 10 kW in next year. (Shepherd)

NIGERIA: RTV Kaduna, 9570, letter from G.P.J. White plus sked of both radio/TV trans. which states SWBC xmtr at Jaji. Address: Box 250, Kaduna (Patterson)

PAPUA: VLT4, Port Moresby, card w/full data in 28 days for 3 IRCs, airmail (Weber)

PERU: Radio Ilo, 5035, letter airmail in 3 weeks from Raul Carbajal C., Administrator (Dexter)

PHILIPPINES: Voice of The Philippines, paper thin card, air in 3 weeks; mint stamps sent V/S: Ernesto G. Madrid (Sparks)

RHODESIA: RBC, Salisbury, sent regular card for 4828 in 3½ months seamail from V/S: E. McKenzie. Full data. Card, in error however, states station name as S.R.B.C., the name used in the period between dissolution of the federation and the renaming of the North to Zambia. South normally x'ed out. (Calkin) 2 months seamail for 2 IRCs (Koukol)

RUSSIAN S.F.S.R. (Asiatic) Moscow, 15140, w/card stating "via Petropavlovsk-Kamchatsky", in 1 month air for mint stamps (Calkin)

SEYCHELLES: FEBA, blue/white card, full data in 22 days for 15185, from Brenda Bacon, plus polite note saying she's glad I finally heard them (Sizer) ditto in 16 days air for 3 IRCs (Poulis)

SPAIN: Radio Liberty, microphone and world globe card for 11875. No IRCs. 10 days (Padula)

SWITZERLAND: ICRC, 7210, card for test in 18 days for 3 IRCs, w/personal note from Mr. Gerard Penard. Air both ways. N° 15 from them (Michalenka)

SYRIA: Damascus, 9670, card w/globe drawing on front; full data, although mis-stated frequency. 1 month. IRCs sent (Martin)

THAILAND: Bangkok, 11910, nice card w/all data; 24 days air. 2 IRCs, but enclosed sked states return postage not required (Koukol)

U.S.A. AFRTS, Bethany, 5965, 15330, separate cards in 43 and 48 days. No IRC (Jones)

UPPER VOLTA: Ouagadougou, 4815, African map card in French in 43 days seamail for rpt w/ 3 IRCs (Pappas)

UZBEK SSR: Tashkent, 11925, blue card in 58 days w/full data. No IRCs (Steen)

ZANZIBAR: Radio Tanzania Zanzibar, 3339, air letter from Omar M. Omar in 2 weeks w/thanks for report. Not considered a verification (Poulis)

Special thanks this month, to the following supporters of QSL REPORT. Without your reports, this column could not exist.

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 Marlin A. Field, Michigan
 Robert W. Fisher, California
 Irwin Glasberg, Quebec
 Steven Handler, Illinois

Bruce Haines, Colorado
 John Hedstrom, Illinois
 Richard S. Heggs, B. C.
 James S. Hurst, Maryland
 Terry R. Hicks, Florida
 Thomas E. Jones, Minn.
 Craig Koukol, Illinois
 Martin Kane, N. J.
 Allan Kroll, Michigan
 Edward Kusalik, Ontario
 Doug Lechleiter, Kentucky
 Kris Lemna, Indiana
 Chris Lobdell, Massachusetts
 Alan Macnaughton, Ontario
 Mrs. M. Marshall, N. Dak.
 Anthony Marks, Oregon
 Bill Martin, Delaware
 Henry Michalenka, R. I.

Richard Murphy, Texas
 Carroll R. Patterson, Ga.
 Bob Padula, Australia
 Andrew Pappas, Illinois
 John Parkinson, Alberta
 Ralph Perry, Illinois
 Ron Paul, Connecticut
 Arthur Poulis, Mass.
 Al Reynolds, N. Carolina
 Lawrence Scoville, N.Y.
 Al Sizer, Connecticut
 Robert Shepherd, Australia
 Bill S. Sparks, Calif.
 Paul M. Steen, Guam
 Wendell W. Sterling, Pa.
 Peter Taylor, Ontario
 Jim Weber, California

Don't forget that next month our SCOREBOARD will return, with the spotlight on EUROPE. So, send in your revised totals now - in time to make the May 15th deadline. A few reports were received this month after the April 15th deadline, and could not be included. They will appear next month.

Sincere thanks and appreciation to those who supported me in the recent election. I will attempt to live up to your trust - please feel free to write with your suggestions and comments on NASWA at any time.

THE QSL GALLERY

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QSL FROM "RADIO TRINIDAD", BRITISH WEST INDIES

PORT OF SPAIN

Transmission Hours:--

Sundays
7.00 a.m. to 2.00 p.m.
4.00 p.m. to 11.00 p.m.

Week-days
(Monday through Saturday)
7.00 a.m. to 9.00 a.m.
12.00 (Noon) to 2.00 p.m.
4.00 p.m. to 11.00 p.m.

SAN FERNANDO

CHANNELS:
31.16 Metres (9,625 kc/s)
231.65 Metres (1,295 kc/s)

RADIODIFFUSION TELEVISION MAROCAINE

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RADIO TRINIDAD

RTM - MOROCCO

This month we are trying an experiment by reducing the size of our reproduced QSLs. If it proves successful, we will continue in this manner in future issues. Thanks to Edward H. Bull who helped to produce the reduced-size QSLs.

Our QSL from the Past comes from the short-wave outlet of Radio Trinidad, which operated both on 31 meters (see QSL) and on the 90 meter band, where member Don Jensen logged and verified them, several years ago. From the Present, comes another rarity recently received by your QSL Editor. Hopefully, this QSL folder from Radio-diffusion-Télévision Marocaine will be the start of regular replies to North American DXers from a station which has been "black" for some years.



LOG REPORT

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

Deadline 15th of month
Phone 305-284-5714

* * * * *

When reporting, please use only one side of the paper, list items by freq in either direction, and mail in time to reach here by the fifteenth of the month. Please leave sufficient room for me to insert your name on each item and cut them apart; on typed reports, this means double space between individual items. Please include only those items heard in the previous month. All times are GMT.

- 2379 DOM REP The station reported here could well be R.Merengue, which is now on 1190 instead of the assigned 1210 kHz(Objio)
- 2475U Chinese mx drama w/several shouting M voices & gongs 1322(Young)
- 3000U Seems to be two stns here 1958; likely MW harmonics; mx & tlk. Bob Bundy of Truk says his local WSZC-1500 puts out a good signal here(Hauser)
- 3205 INDONESIA(Java) Bandung; puppet shadow plays Sat around 2010, //4932-Surakarta; this pgm does not seem to be radiated to ant regular sked; different fqys each time!(Padula)
- 3215 VENEZ Ondas Panamericanas; mx, ads, occasional IDs from 0500(Dexter)On late(DF)
- 3230 FIJI R.Fiji, 0713-0800 mx, wx, cmtry, radio play in Eng; fair(Heggs)
- 3232 CONGO(PR) ORTF, Brazzaville, Fr tlk 2015; jazz; 1st time hrd 90m(Padula)
- 3240 IRAQ Baghdad; Arab chanting after 0300 at fair lvl; several nights(Sizer)
- 3245T PAPUA Quite certainly Kerema for about 10 minutes in Pidgin at 1045 on great 90 meter band day; very weak. (Sizer)
- 3245 VENEZ R.Libertador; 1015 mx, ID, mx(Tuchscherer)"La Voz de Palestina" pgm in Arabic from 0150. Sp ID, ads 0157, back to Arabic 0201(Dexter)
- 3255 LIBERIA ELBC; s/on & Eng ID 0612; pop mx; 29 Mar(Sparks)
- 3259 JAPAN NHK Home Svc relay, Sendai; Japanese play 0900(Wood)
- 3260 NIGER Niamey, Fr anmts 2046, different program from 5020 also hrd(Padula)
- 3264U Seems to be an African stn w/mx & anmts in lang 0425.(Young)
- 3280 GRENADA WIBS; Eng pops 0015(Byers)Good sig 0215 s/off(Anthony)
- 3300 BURUNDI. Evidently new hi-pwr tx; superb sig here at times. Swahili tlk 2015, Afr vocals, Arabic chanting, Fr nx 2050 by man. More songs 2056, Fr anmts, ID 2056 as "Ici Bujumbura, Rdiff Nat. de la Rep. du Burundi, la Voix de la Revolution". Anthem, then s/off. (Padula)
- 3300 BR.HONDURAS R.Belize, rel mx, Eng.ID 0200(Lemna)Sp & Eng mx 0400(Perry)BBC nx 0200(Inglor)
- 3310U Chinese or Oriental type mx w/singing 1256; typical mx past 1405(Young)
- 3316 SIERRA LEONE RSL, 2225 tlk on Uganda & E.African safaris. Exc sig, no QRM; all Eng; best sig on 90 mb(Henderson)s/on 0600 w/Eng ID, morning prayer in lang (Koukol)Tentative, Eng bdst 0603-0630 w/some ads, some pops; 0616 ID: "You are tuned to ... bdstg svc".(Perry)
- 3317 INDIA AIR, evidently Bhopal, nominally 3315; strong w/sitar mx 1659, lang ID by undermodulated YL; 1700 Eng nx after AIR ID(Hauser)
- 3320U FE stn here around 1015; tlk, folk mx; can't ID lang; fair sig(Sizer)
- 3322.5 BOUGAINVILLE IS. R.Bougainville, 1140 Pidgin w/CW mx; 1200 s/off(Koukol)
- 3325 VENEZ R.Monagas, LA mx, IDs; 0050(Tuchscherer)
- 3335 N.GUINEA R.Wewak, 0940-1004 w/rel mx; TC, IS, Pidgin ID 0945; Eng ID 1002; TC as 2 past 8(Williams)1145 Pidgin w/native mx, pops(Koukol)
- 3339T UGANDA - tentative - never hrd Zanzibar but hrd Eng 14 March at 0330; African beats - into the mud by 0400(Shaw)
- 3346 ZAMBIA Lusaka, 0416 w/pop mx; lost in QRN by 0433(Tuchscherer)
- 3345U Asiatic here w/UNID lang 1020; FBIS list Pyongyang here(Sizer)

- 3350 GHANA Ejura; 2050 mx, Eng ID, mx(Jamison) Political tlk on Biafra 2035(Padula)
- 3355 DOM REP LV de la Romana; ID 0230 on its assigned fqy(Sloan) 3360v, Sp ID 2307 (Potter)
- 3356 BOTSWANA G_aberones; song by native group; amnts in vernaculars 2035, on a Sat, //4845 also hrd(Padula)
- 3358 INDIA AIR, //3317 at 1702; 3 listed nearby, but none here(Hauser)
- 3360 GUATEMALA LV de Nahualá; Sp 1110(Fisher) Marimba mx 1110(Tuchscherer)
- 3366 GHANA Accra; amnts in native lang 2033; then Eng ads 2045(Padula)
- 3373 MOZAMBIQUE Lourenco Marques, Eng ID 2029, then "Hour of Decision", //4762(Padula)
- 3375 BRAZIL R.Olinda Pernambuco; from 0405 tune w/mx & occ. ID as "R.Olinda"(Dexter)
- 3375 ANGOLA Emissora Oficial; jazz 2035, Port(Padula) 2315 lite mx, Sat(Potter)
- 3377U Seems to be an Indonesian here 1218 w/male voice; terribly weak(Young)
- 3380 GUATEMALA R.Chortis; appeared to s/off 0404(Sloan) Mx & Sp IDs to 0408 s/off; strong(Behr) 0407 s/off(Perry)
- 3380 MALAWI MBC, weak 0340 w/Afr mx, Eng nx 0400(Koukol) Afr mx 2030, Eng pops(Padula)
- 3380 NUMBERS in Sp about 3 nights last week 0500-600; about S-3 each time(Shaw)
- 3384 VENEZ R. Barcelona peaking around 0200 with usual pgmg in Sp(Niblack) From 0217 w/many IDs, much mx(Dexter) Pop dance mx, ID, relay R.Rumbos noticias; 0405 s/off (Sparks)
- 3385 FR.GUIANA ORTF; 0925 s/on w/LM, Fr amnts, mx(Shaw) S/on 0915(Perry)
- 3385 NEW BRITAIN R.Rabaul; 0800-0815 Eng mx, Pidgin(Heggs)
- 3387 CEYLON(?) Choral mx, evidently anthem, 1705, off 1707; R.Ceylon Sinhalese sked s/off 1700 on 3385(Hauser)
- 3390U Oriental s/on type anthem 1315; did not seem to be Peking; M&W voices to 1400; then nx by male voice(Young)
- 3391 ECUADOR R.Zaracay; Sp 1103(Fisher) 1026 LA mx; frequent IDs(Tuchscherer)
- 3395 VENEZ R.Universidad from 0245 tune w/mx, occ. ID(Dexter)
- 3395 BRAZIL R.Cl. Conquista; 0127 tlk & mx; 2 IDs 0130(Tuchscherer)
- 3396 NIGERIA Kaduna; tlk by man, native lang, 2030(Padula)
- 3560 N.KOREA Pyongyang in Parisian Fr 1738, Korean mx; poor; this fqy unsked(Hauser)
- 3673 KASHMIR(Pakistan) 1636 twice played a few bars of "Star Spangled Banner", tlk in lang; 1700 ME mx, 1710 ID as "Azad Kashmir Radio, Muzaffarabad" by YL; Radio Pakistan mentioned later(Hauser)
- 3717U ME or Indonesian mx 1700; poor(Hauser)
- 3910 JAPAN FEN; nitely(1700-2000) w/pops & good sigs(Jamison)
- 3917.5 S.KOREA HLK51; definite Korean & Eng "HLKA" IDs. Presumed up from 3910 to avoid FEN. Listed 5 kw. Good organ mx; around 0900-1000(Shaw)
- 3940 W.PAKISTAN R.Pak., Peshawar; local ID 1659; uneven spaced TS; mx relay(Hauser)
- 3975U Chants 1042; very poor; maybe Shaw's unid in April Frendx, but didn't seem Pacific. Cook Is. appears to be only area in world observing GMT-10½(Hauser)
- 3975 KASHMIR(Pak.) Azad Kashmir Radio; new fqy, 1705 nx relay, //3940; but at 1710 into Kashmiri; ID & mx: 1715(Hauser)
- 3975 INDONESIA(Java) RRI Surabaya; 1157 ID, march mx, IS(?), chimy mx as fill till joining Djakarta at 1200 for Warta Berita(nx); IS was similar to a "Dr. Zhivago" movie theme(Hauser)
- 3978.5 KASHMIR(Pak.) Azad Kashmir R.; 1722, up from 3975 18 Mar; mentions of Pak.; unstable carrier, but strong(Hauser) (Jamison)
- 3980 W.GERMANY VOA, Ismaning; 1728 Special Eng story; weak; 8 kw(Hauser) ID 1915
- 3990 LIBERIA VOA, Mva; 1855 good lvl w/VOA format(Jamison) (Williams)
- 3990 TAIWAN AFNT; 1346-1354 Eng, pop mx; no ID hrd, but definite AFRS type pgm
- 3995 SOLOMON IS SIBS; fair 0820 w/lite mx, Eng; ham QRM(Koukol)
- 3995 ECUADOR LV del Rio Tarqui; 1129 Sp(Fisher)
- 4004 PHILIPPINES(?) Likely 4th harm. of DZMM, previously noted on 1001 kHz & rptd in SCDX on 6013(6th harm. of slightly higher fund.); 2037 w/low pitched jazzy strum; tlk 2059, but couldn't catch ID; format fitted, tho(Hauser)
- 4106.5 USSR. Unlisted tx; Mayak pgm 1748 w/ID in passing; Moscow TC; classical piano mx; usual IS, TS & mx 1800 w/no local ID(Hauser) (Hauser)
- 4200 CHINA R.Peking 1710 tlk abt Arab countries, ID 1715, presumably Swahili

- 4500 CLANDESTINE(?) 1 March & most evenings since; 1145 pgm in Thai/Lao; ID 1155 as "Thini...", then into another lang; strong(Hauser)Off 1557(Hauser)
- 4500 CHINA In clear once above stn off; 1559 TS & ID(Hauser)
- 4635 TADZHIK SSR Dushanbe; fair 0100 w/pips; IS, M&W in lang(Koukol)
- 4650 ECUADOR Rdif. del Ec.; ID 0600 as "C.R.E."(Sloan)Sp ads, LA & NA mx 0617(Fisher)
- 4650 COSTA RICA R Reloj; ID for network stns 0630(Lemna)
- 4652 CLANDESTINE Withayu Kachai Siang...Pathet Lao, 1319 conversation re America, India, etc.; 1328 piano chords as IS; then YL tlk abt Souvanna Phouma. At 1509 cmtry in Fr; clearly communist; end Fr w/no ID; but mx & ID in Lao 1518(Hauser)
- 4680 ECUADOR R.Nac.Espejo; political ads for mayor 0410(R.Anderson)0545-0600 semi-classics & Pop ID 0600; CooCoo sound(Heggs)ID 0601(Jeeves)
- 4686 N.VIETNAM S.W.Kachai Siang VietNam(Hanoi); 1430 mx & Thai, ID 1458; 1500 open Cantonese(Hauser)
- 4691V COSTA RICA R.Reloj; TC & ID 0140(Lobdell)0530-0545 US standards & semi-classics; ID 0540(Heggs)
- 4700 CLANDESTINE(Evidently Lao Neutralist Patriotic); 1507 YL w/Lao Numbers, //5872, 6248(Hauser)
- 4750 INDONESIA(C&M) RRI Makasar; good 1229 w/IS, local ID 1230 in Indon.(Koukol)
- 4755T BRAZIL R.Brasil, Campinas; sports in Port 0142(Lobdell)
- 4765 BRAZIL R.Feira de Santana; 2249 Port mx; strong(Potter)
- 4765 CONGO(PR) Brazzaville; Afr mx, Fr anmts 2035; ID 2100; on late day after attempted coup with crowd scenes, cheering, political speeches, etc.(Padula)
- 4767 COLOMBIA R.Catatumbo; weak, mx, 2 IDs from 0238; off or lost at 0308(Dexter)
- 4770 LIBERIA ELWA; Eng rel pgm 2225-2245(Jeeves)S/off 2248; s/off listed 2300(Potter)
- 4775 AFGHANISTAN Kabul; Eng 1408(Fisher) Pgm details on rare ones, please(DF)
- 4775 COLOMBIA LV de Maria; 0530 Easter Mass; ID, anthem & s/off 06-9(Sparks)
- 4777 GABON Libreville; chanting, Afr songs 2045; usually blocked by utility stn (Padula)0430 s/on w/anthem, Fr ID, into Afr mx(Koukol)Fr s/off2300(Potter)
- 4780 HONDURAS R.Juticalpa dominating LV de Carabobo at 0347 check. Must be new higher pwr tx now in use(Dexter)
- 4790U LA mx, some pops, many ads, no IDs; 0410-0557 off(Tuchscherer) Likely R.Atalaya on 4791; tho they ID often & I hrd them s/off 0454 a couple days ago(DF)
- 4795 DOM REP Onda Musical; Sp w/LA mx & ID 0410(Jeeves)
- 4800 VENEZ R.Lara; Sp 0234(Fisher)
- 4807 ECUADOR R.Popular Independiente; LA mx thru CW QRM 0420(Sizer)Andean mx & ads 0745; QRM de CW beacon just below fcy(Shaw)
- 4815 UPPER VOLTA Ouagadougou; man w/chant 0605-0630 f/o; how do you take notes on this?(Lemna)
- 4815 INDONESIA RRI ID 1330; tough job to determine city(Hauser)
- 4820 HONDURAS HRVC; s/off 0400 after Eng rel pgm(Heggs)Eng rel pgm 0310-0330(Fair)
- 4820 ANGOLA Emissora Oficial; Port drama 2040(Padula)
- 4825 DOM REP Emisora Cultural, LV de las Fuerzas Armadas; new stn; well hrd daily except Sundays; from 2330 tune to s/off around 0120; nice mx w/full IDs every 15 minutes or so; asks for reports, but gives no QRA other than Santo Domingo. (Dexter)Typical LA pgmg from 2330; must be running pretty good pwr; s/off varies 0100, 0030, 0120; all Sp(Niblack)Good from 2340 until a carrier appears 0035; ID after each record(Sloan)
- 4825 USSR What must be the listed Ashkabad, Turkmen, around 0225 setting up exercises. At 0230 into native mx(Niblack)
- 4830 VENEZ LV del Tachira; nice pgm of relaxing mx at 0245 tune(Dexter)ID 0100(Sloan)
- 4835 MALI Bamako; Fr w/Afr mx 2250(Calkin)Fr tlk by lady 2048; RTTY(Padula)
- 4850 MAURITANIA Nouakchott; 0750-0800 s/off w/lousy reception(Haines)If you got enuf to know who it was, why not pass along some of the details?(DF)
- 4860 VENEZ R.Maracaibo ID around 0340; LA mx & TCs(Jeeves)Yes, is correct ID(DF)
- 4865 BRAZIL R.Cl. do Para; IS of thumping log sound & clear ID 0900; into rel pgm, not Catholic; live bdcst(Shaw)
- 4870 DAHOMEY Cotonou; fair in Fr tlks & Afr mx 0600(Haines)2145 Fr ID & into pop mx(Lobdell)

- 4872 INDONESIA(W.Irian) RRI Sorong; fair 1200 w/local ID by YL in Indon.(Koukol)
- 4890 VENEZ R.Dif. de Venez.; LA mx; tlks, ID 0300(Fair)S/off 0310(Fisher)
- 4890 SENEGAL Dakar; nightly at 0658 w/drums(Perry)
- 4890 PAPUA ABC, Port Moresby; jazz 1103(Lemma)Pop mx 2015(Jamison) 1040 request pgm; ABC nx 1100(Callaway)Light, pop mx, TC, ABC ID; QRM YV 1000(Jeeves)0830 sports results; strong(Heggs)
- 4900 VENEZ R.Juventud; LA pop mx, ID 0306(Fair)
- 4912.5 GILBERT & E. IS. R.Tarawa; 0645-0720 t/o; M&W in lang- Eng lessons; Eng ID 0654; fqy anmt; then woman in Eng; very noisy, quite weak(Williams)
- 4915 GHANA Accra; classical mx; ID 2245, Eng nx(Jeeves)Eng political tlk 2120(Padula) Nx 0610(Perry)National Svc in Eng 2200(Anthony)
- 4917 COLOMBIA R.Guatapuri; ID 0455(Sloan)
- 4920 AUSTRALIA VIM4, Brisbane; 0730-0800 sports & children's pgm(Heggs)
- 4926 INDONESIA(Sumatra) YDK6, Djambi; 1442-1450 t/o w/Indon tlk by man; Djambi mentioned several times; mx? Mx 1450(Williams)
- 4926 EQ.GUINEA(Rio Muni) R.Ecuatorial, Bata; Afro tunes to s/off w/anthem. 2145. (Lobdell)Sp songs 0445 in the QRM(Henderson)ID 0532 after 30 minutes of highlife mx; good sig(Sizer)
- 4932 NIGERIA NBC, Benin; good w/talking drums IS 2300, Eng nx, off 2305(Niblack)
- 4938 PERU R.Tropical; Sp, LA mx; ID 0015(Lemma)
- 4940 ECUADOR On good nights R.Dif. Nac. del Ec. can be phased from under R.Yaracuy. Noted 0250 w/full ID in Sp(Niblack)
- 4950 MALAYSIA(Sarawak) RMS; Eng w/nx 1400; Malay 1430(Haines)
- 4950 SENEGAL Dakar; 2330 w/pops to 2355, Fr nx by YL, close 0005A w/anthem, ID(Niblack)
- 4955 INDONESIA(Sumatra) YDN3, Banda Atjeh; 1435 chanting; no ID hrd(Williams)
- 4967.5 KUWAIT RK; Arabic chanting 2120; apparent sked change(Padula)
- 4970 SABAH R.M. Sabah; BBC pgms 1420(Haines)
- 4972.5 CAMEROON R.Yaounde; Fr anmts by man 2118(Padula)
- 4976 UGANDA Kampala; Eng nx by man 2100; hrd 2052 on 5026(Padula)
- 5010 CAMEROON Garoua; 2110 chants, drums, native mx, on a Sat(Padula)
- 5010T SINGAPORE FBS; lang pgm w/GSTQ at 1430 s/off; from 1355(Fisher)(Tuchscherer) /
- 5010U Mx 0600 past 0715, 15 Mar. Mentioned Pucallpa, Peru, but also R.Cristal. ???
- 5015 USSR Vladivostok at ear-splitting lvl w/Russian mx around 1200(Haines)
- 5015 GRENADA WBS; Eng nx & sports 2345 & off 0000; good sig(Byers)
- 5020 COLOMBIA Transmisora Caldas; Eng IDs; LA & US mx(Haines)
- 5020 CEYLON R.Ceylon; National Svc 1259 w/market prices, ID, TC, leisure mx(Hauser)
- 5025 BOLIVIA La Cruz del Sur; rel mx 0145, Sp nx 0215(Behr)Eng 0258(Fisher)0200-0305 rel pgm, then classical mx after 0230; s/off in Eng starts 0303(Heggs) S/off 0305 w/Eng ID(Calkin)
- 5030 DOM REP LV del Papagayo; s/off around 0410; clear after R.Continente s/off a few minutes earlier(Sloan)
- 5030 SARAWAK RMS; 2158 IS on plucked instrument; ID in Malay, anthem, 6-pip TS, TC, Malay anmt, then pop mx(Hauser)
- 5035 COLOMBIA LV del Caqueta signing off 0400(Sloan)
- 5040 BURMA Rangoon; strong w/good mx 1305; also hrd on 31 m in day time here(Hauser) Oriental lang 1310(Potter)1156 instrumental native mx; talk by man 1215(Tuchscherer)
- 5045 PORT GUINEA Bissau; drifted up here; 0700 s/on, anthem, Port ID, Afr mx(Sparks)
- 5045 BRAZIL R.Quitandinha; local ID 0130; rel hymns, tlks in Port(Lobdell)0120-0200 t/o w/rel pgm on catholic holiday. Copacabana ID 0157; 0200 sounded like another ID, but I didn't catch it(Williams) (Williams) /
- 5047 INDONESIA(Java) Djakarta; 1503 man in Indo w/possibly nx; band mx, ID, tlk
- 5047 TOGO Lomé; light mx, Fr ID 2227; s/off 2302(Jeeves)
- 5050 PERU R.Loreto; ID 0110(Sloan) 0423 Sp ID, local mx(Lobdell)Pop mx & ID 0630 (Sparks)0340-0400 t/o pop mx, Eng song, ID & TC(Williams)
- 5050 TANZANIA R.Tanzania; best ever 30 Mar w/Swahili nx 0400; ID 0405; increased pwr?(Henderson)0304-0321 t/o w/chanting, choral mx, Swahili ID 0315(Williams)
- 5059-60 ALBANIA Tirana positively IDd 0400 & 0500 w/4 time pips & "Ju Het Tirana"; wakeup exercises 0430 & wild Albanian folk mx(sounds like ME mx)(Henderson)

- 6085 W.GERMANY Bayerischer Rundfunk; weak & QRM, w/Ger tlk 0555(Sizer)Mx 0643; good reception(Lemna)
- 6090 CAMBODIA RNK; missed coup anmt, but s/off 18 Mar was early, at 1455 w/usual E, F, K anmts & long anthem. 19 Mar at 0643 interrupted Fr variety pgm to annce that telegraph & telephone svc w/abroad would resume 1400 local time.. 31 March at 0632 w/anti-sihanouk declaration in Fr by the "Comite des Intellectuels" (Hauser)Daily w/Eng mx 0045-0100; full Eng & Fr ID 0100(Jamison)
- 6090 LUXEMBOURG RL; 2323 Eng R&R mx(Scoville)Eng 2215 w/pop mx(Marcus)
- 6095 BRAZIL R.Dif. de São Paulo; 0900 s/off w/full Port ID(Lobdell)S/on, maybe?(DF)
- 6095 PERU R.Nac. Mil Ochenta; appears to s/off 0503; Eur QRM from 6100(Sloan)
- 6095 IRAQ Baghdad; fair 2135 w/Fr tlk(Marcus)
- 6097 SOMALI REP Mogadishu; fair 0331 w/female singer, Arab mx, etc(Lemna)0330 s/on w/prayer; Arabic by M&W(Shaw) Eng 1732-1802; QRM from 6095 & 6100; have always started pgm 2 minutes after $\frac{1}{2}$ hour & end 2 minutes after the hour(Sloan)
- 6100 AUSTRALIA RA, Lyndhurst; Eng nx & mx 1000-1030(Marshall)Eng & mx 1044(Marcus)
- 6115 NETH ANT. TWR; s/off 0355; test tx in Eng, 13 Mar(Heggs)
- 6115 W.GERMANY RFE, B-3, 50 kw; beginning Rumanian 0400, //9695-Lisbon, 50 kw(Calkin)
- 6115 PERU R.Unión; 0443-0553 Eng pop mx; s/off ID 0553(Heggs)Readable after the Colombian outlet leaves; from 0545 tune(Dexter)
- 6116 COLOMBIA "Radio Mil", the RCN outlet noted w/mainly RCN IDs from 0115-0500 s/off. Hard copy & ID not yet certain(Dexter)
- 6125 BELGIUM RTB; Eng to NA w/traditional Belgian carnival mx 0050(Burke)
- 6125 BRAZIL R.Nac., São Paulo; live sports, ID by man 0035 in Port(Lobdell)
- 6130 CANADA CHNX; good -725 w/ID, pops(R.Anderson)2045 sports, ads, mx(Byers)
- 6130 ECUADOR HCJB; good 0625 w/Ger pgm(R.Anderson)
- 6135 POLAND Warsaw; good 2157 in Fr; s/off(Marcus)
- 6135 BRAZIL RTV Gaucha; 0900 ID & into Port tlks(Lobdell)
- 6135 S.KOREA KBS, Seoul; HS relay, relay HLKA nx in Korean 0900(Wood)
- 6140 MEXICO R.Universidad de Chihuahua; concert mx, ID 0558 s/off, 10 Apr(Sparks)
- 6140 ECUADOR R.Visión; 0429 time pips & full Sp ID(Lobdell)Mx 0600; Sp & Eng IDs (Behr)Full Eng ID 0230; it goes something like this: "You are tuned to R.Vision bestg from the city of Cuenca on 90.9 FM(I think that's correct), 6140 SW, and 650 MW, with directional antenna towards the continent. All the equipment is designed and built in Ecuador".(Niblack)0412 typical LA pgms(Lemna)
- 6150 AUSTRALIA ABC, Melbourne; 1155 Eng, tlk abt "fortress Australia"(Patterson)
- 6150 COSTA RICA R.Atenea; 0500 pop mx & ID(Sparks)
- 6155 JAPAN FEN; 0805 FEN mx, ID, mx; fair(Heggs)
- 6160 COLOMBIA Em. Nueva Granada; 0630 Sp tlks, IDs, mx(Caldwell)
- 6170 VENEZ R.Nac. de Ven.; from 0120 w/LA mx, later classical; nice lvl(Dexter) Good w/mx 0342 till carrier on 0345(Sloan)Cl. mx, ID & noticias, 0400 s/off(Sparks)
- 6172.5 COLOMBIA Ecos del Combeima; Sp ID & mx 0300(Behr)Sp mx & tlk 0630(Caldwell)
- 6175 MALAYSIA(as rptd by Al Niblack). This stn daily except Sundays from 2315 s/on-0000 s/off w/FE mx & ancers in exotic lang; always good(Lemna) (Behr)
- 6185 NETH ANT TWR; 0250 Eng, 0320 Zulu to 0352* to S.Afr; was on 6085 in Mar; test
- 6190 JAPAN NHK HS relay; sports event 0730(Sparks)
- 6195 S.AFRICA Cm Svc of R.So.Afr. well hrd 2230-2300 w/rousing ads & lively mx; Eng & Afrikaans; bad QRM(Niblack)
- 6199 CLANDESTINE Pathet Lao; 4 Apr, 0100 Fr mx, //4650; 0115 end Fr & into Viet w/IDs; 0130 into Lao dictation(Hauser)
- 6210 INT.Waters(England) RNI in clear w/IS & Ger s/on 0600, 25 Apr, from new QTH off Essex. Off England operating 24 Mar-1 Apr only. 18 Apr at 0000 s/off in Eng, Former position near R.Veronica(Calkin)2242 Eng R&R mx; s/off 0005; also 0545 w/good sig in Ger; begin Eng 0700(Scoville)0258 ads; said was 35 miles from English coast, 24 Mar(Anthony)(GMT?-DF)Eng ID 2302(Marcus)0000 s/off after pops (R.Anderson)2300 pop mx pgm in Eng(Michalenka)0540-0620 f/o w/Eng mx; accented Eng IDs(Heggs)Mx & Ger IDs 0500 past 0600(Behr)Fair w/Eng pops to 0100 s/off, but s/off variable(Koukol)

- 5060 USSR Mayak pgm(wher?) seriously challenging Aden 1925, TS 1929(Hauser)
- 5060 S.YEMEN Dance mx 1915, Arab ID 1919 & 1925; jerky anthem 1929(Hauser)
- 5060A VENEZ C.Cultura; Sp anmts, ads, IDs around 0007(Jeeves)
- 5070 GUATEMALA R.Nac.Mazatenango; if that's what it is, with seeming rel tlk 0147 (Sizer)0745 w/good mx & IDs every ½-hour or so. Hrd no ads, aren't they comm'l? (Shaw)No, don't think so. You have that time right?(DF)
- 5170 CHINA Fukien?; Chinese & mx from 1300, //5900(Behr)
- 5320 CHINA R.Peking; home svc 1300, past 1400(Behr)
- 5475 INDONESIA 1 April, 1458 mood/dance mx, Indon anmt; 1530 ID as "Inilah...", mx; 1545 muezzin, 1558 anmt & organ mx; ID something like R.Paracutin; off 1601(This is not an April fool joke!). Indonesia apparently has a number of non-RRI outlets now(Hauser)
- 5525 CHINA R.Peking; Chinese from 1300, not parallel 5170, 5320(Behr)
- 5560 INDONESIA 1332 Hawaiian mx, occ'l anmts in unid lang; previously hrd on 5580; 1400 Indonesian anmt mentioned Surabaya; native mx, not //6435(Hauser)
- 5845 INDONESIA Definite RRI ID 1358. At 1515 Hawaiian mx, s/off after 15 minute news wrapup(Hauser)
- 5871 N.KOREA Pyongyang; Korean 2nd pgm from 1300, //6250(Behr)
- 5872.5 CLANDESTINE Stn w/numbers in Lao by YL 1530; mx, Pekingish fanfare/march mx; anmt & back to numbers 1602(Hauser)
- 5925 UZBEK SSR Tashkent; daily 0030 w/Uzbek pgmg; C.As. mx; nice sig(Henderson)
- 5944 ALBANIA Tirana; Ger 0500, Polish 0530; not 5954 as listed Feb (Behr)
- 5950 NICARAGUA R.Zelaya; LA mx, weak IDs to 0158 s/off(Sizer)ID, Sp mx; 0200*(Lobdell)
- 5954 COSTA RICA R.Casino; good to CBC s/on 0558(Anthony)Eng pgmg 05-0600 s/off(Haines)
- 5955 S.AFRICA Springbok R.; Eng pops 2150; devotional to 2200, off 2206, Sat(Padula)
- 5960 ANGOLA A Voz de Angola; long IS, 0500 s/on w/many IDs(Anthony)P. songs 2230
- 5965 BRAZIL R.Guiaba; Port nx 2302; good lvl(Potter) (Padula)
- 5970 PERU R.El Sol; loke a local 0515, 21 Mar(Shaw) Details, please(DF)
- 5980 EL SALVADOR YSS; on late 9 Mar; 0700-0800 w/elections(Padula)
- 5980 PHILIPPINES Unid in Mar ARDXC also hrd here 1057; tlk in Filipino lang; 1117 Eng anmt & into mx standards. 1130 opening a pgm, but cut off 1131(Hauser)
- 5980 RUMANIA Bucharest; Ger mx to Eur 2200; good lvl(Padula)
- 5995U Unid stn mixed VOA-Gvl 0700-0730; then in clear; Afr chanting, Fr anmt, native singing. Faded by 0800. No clues on this one. (Padula)
- 5990 INDONESIA(C&M) RRI Menado; good 1245 w/speech; gongs & ID 1300(Koukol)Out order
- 6000 SAUDI ARABIA Riyadh; 0256 OC(open carrier!); s/on 0300 Arabic(Potter)
- 6005 W.BERLIN RIAS, Berlin; 0314 Ger ID, then change to Munich(Potter)
- 6020 NETH ANT. R.Ned.; Dutch nx 2330(Jones)
- 6025 MALAYSIA(Malaya) R.M.; 1153-1220 w/Chinese except for records(Patterson)
- 6030 CANADA CFVP, Calgary; mx from 0720, mx 0800 & Calgary vx 0805; fair to good sig; 1st time in 9 years of DXing!(Calkin)Nx, cmtry, mx 0900-1100(Haines)
- 6030 W.GERMANY SDR; Muhlacker; Ger songs, big sig after 0512(Sizer)S/on 0457(Anthony)
- 6030 COLOMBIA R.Nac.; ID 0453, then off(Anthony)
- 6035 MONACO R.Monte Carlo; Fr 0520(Fisher)S/on 0515, //7135; jazz(Marcus)
- 6035 RSFSR(As) Vladivostok; 1159-1217 Russian; Viennese waltzes & mx(Patterson)
- 6037 COSTA RICA TIFC; easy ID w/Eng rel pgm 0255(Sizer)
- 6045 PANAMA LV del Baru, David; Sp ID & TC, much mx, from 1018(Lobdell)
- 6055 SWITZ SBC; Swiss mx, Sp anmts to Eur 2155(Padula)
- 6060 SICILY RAI, Caltanissetta; Italian mx 0250(Potter)
- 6060 CUBA RHC; 2135 w/"v.of Vietnam" in Eng; this fqy in greater use now, especially in daytime(Potter)
- 6065 BRAZIL R.Nac. de Brasilia; Port tlks & instr mx 0928(Lobdell)
- 6065 SWEDEN R. Sweden; good in Eng 0215 w/SGDX(Koukol)
- 6070 BULGARIA Sofia; Bulgarian cmtry 0635, long route(Padula)
- 6075 S.AFRICA SABC; s/on Afrikaans 0400; good lvl(Heggs)
- 6080 ALGERIA Algiers; fair 2205 w/Fr nx, //11835(Marcus)
- 6080 N.ZEALAND RNZ; 0807 remote of Royal Visit function; fair(Heggs) (Caldwell)
- 6085 BRAZIL R.Jornal do Comercio; nice to 0230 abrupt off(Niblack)Port & mx 0400

- 8117 USSR R.Moscow; RCSSE(USB), Fr cmtry on ME 2007; 2017 ballet, ID 2019(Hauser)
- 8550 N.VIETNAM Viet Bac; 0345 mx & tlk in Viet; 0357 anmt, solo by YL; 0359 theme & ID by M&W; FBIS 68 list 8700v(Hauser) (Hauser)
- 8639 CLANDESTINE Pathet Lao; 0346 theme & ID; M&W tlk abt Cambodia; songs 0404 /
- 8778 CHINA Pei Hai Fishery stn; from 0332 w/short & different version of usual Chicom theme, YL speech; ID, but hardly recognizable since not in Mandarin; off 0402 after brief amts(Hauser)
- 8927 JAMMER Grinder w/morse "CA" 1945; question is, What's to jam here?(Hauser)
- 9009 ISRAEL Kol Israel; Hebrew 0400, s/on & ID(Ingler)
- 9020 IRAN R.Iran; Persian 2030-2128 s/off; varies to 9023(Behr)
- 9380 KAZAHK SSR Alma Ata; s/on 0000 w/IS, Kazakh anthem, Kazakh amts & clear Russ ID; "Govorit Alma Ata". (Calkin)
- 9390 PERU Unid; Sp sports best to 0438*, 21 Mar only; ment. R.America; pgm from Lima to Ecuador stations(Behr)
- 9455 EGYPT Cairo; Eng nx to NA 0210(Wagner)
- 9485 PAKISTAN R.Pak., rptd to be NF for Islamabad; 1430 several IDs, native mx & nx; 1500 Eng ID & Eng nx(Sparks)
- 9505 CHINA Peking w/Port tlk on Mao 2200, Sp 2300; recent NF(Padula)
- 9505 ALBANIA Tirana; Eng 0130, //7290, 6201, 27 Mar(Behr)
- 9505 CZECH Prague; Eng to Eur 0730 after NHK s/off, //21700(Wood) (Burke)
- 9505 JAPAN NHK; Eng nx 1400-1430; Japanese nx 1430-1500(Jones)Eng to WCNA 1500 /
- 9515 TURKEY Ankara fair w/Turkish tlk 1455(Marcus)
- 9515 MEXICO XEWW; quite good, ad for a bank 0505; to 0600 s/off(Padula)
- 9520 N.ZEALAND RNZ; light mx 1138(Marcus)
- 9520 PAPUA ABC, Port Moresby; 0600 pop mx & special Easter pgm; good sig(Heggs)
- 9508 SUDAN Omdurman; poor to fair at 0400 s/on Arabic(Kelley)
- 9521 PERU R.La Cronica; close 0703(Sloan)0625 pop dance mx & ID(Sparks)
- 9525 S.AFR. SABC; s/on 0615, Eng ID, into Port to Mozambique(Padula)
- 9535 SWITZ SBC; 0600 Ger to Eur(Rowell)
- 9535 MEXICO R.Mexico; 0300 Sp mx pgm, Eng IDs, also Sp & Fr IDs(Caldwell)
- 9540 N.ZEALAND RNZ; 0600 BBC nx(Rowell)0630 Eng to Pacific; Poly. mx, Arthur Cushen's DX pgm(Marshall)0645-0700 Arthur Cushen's DX World(Heggs)
- 9545 GHANA RGHana, off 1945 after Fr Svo(Marcus)S/on Eng 2045(Jones)
- 9550 CUBA RHC; Eng by M&W 0311(Allen)How 'bout using GMT in future, please.(DF)s/on 0630 Eng to WNA, off 0830; ex 11930(Padula)0230 Eng to ENA, ex 9525(Heggs)S/on 0630(Hicks)To Americas in Eng 0100, //11970 which is also new(R.Anderson)
- 9560 E.GERMANY RBI; new fqy, Eng to NA 0230(Heggs)
- 9560 JAPAN NHK; Eng nx 1500-1515(Jones)
- 9565 W.GERMANY; DW; Ger to NA0000-0215, //6100, 6145(Behr)
- 9570 AUSTRALIA RA; s/off Eng 1200; is // 6100 at times(Fisher)
- 9575 ITALY RAI; s/on Italian 0600(Rowell)Change from lang to Eng 0100(Fair, Ingler)
- 9575U UNID stn in lang after RAI s/off; 1827 in what sounded like a mixture of Danish & Arabic. Greenland??(Lobdell) 29 March.
- 9575 NETH ANT R.Ned.; Dutch 0330, Sp on 9590 same time(Behr, Heggs)
- 9580 MALAYSIA BBC FES; orch mx 1500-1545; English(Jones)
- 9580 PHILIPPINES PBS, Manila; nx 0800, exc sig(Haines)Presumed to be in Eng. (DF)
- 9580 INDONESIA Djakarta, NF, s/on2330 w/Eng after chimes; down from usual 9589, // 11793(Padula)
- 9585 INDONESIA VoI; Arabic 1300, Urdu 1400(Behr)Eng 1145, Indon. mx(Sizer)S/on Eng 1430 in late March(Calkin)
- 9585 SYRIA Damascus; Arabic tlks 0515; mx, //15290; 1st time this fqy(Padula)
- 9589 CLAND. V.of Malayan Revolution; 2245 Chinese, 3230 Malay to 2359 s/off. Chinese ID is "Malaya ... po tien tai". (Behr) (Padula)
- 9590 CHILE R.Pres. Balmaceda; s/on 0915 10 Mar, w/Las Noticias Internacionales"
- 9595 SWITZ SBC; German nx 1830(Wood)
- 9600 UZBEK SSR Tashkent; Eng 1200, nx & cmtry, //11925(Byers, Marcus)
- 9605 EGYPT Cairo; 1920-1930 & 2205-2215 Eng ID & anncd test fqy; still moving around (Niblack, Heggs)

- 6248 CLANDESTINE Likely what FBIS calls Radio of the Patriotic Neutralist Forces (Laos), tho I doubt they bdcst in Eng), 1615 //5872.5 & better here; YL w/ numbers; tlk 1640; 1657 anthem & off 1658(Hauser)
- 6250 EQ.GUINEA(Fernando Poo) Santa Isabel; Sp ballads, folk songs 2140(Padula)
- 6404 THAILAND(?) 0850 familiar standard mx in Thai; 0900 ID & mx; seemed to ann 6405 along w/2 other fqys as signaled by 'kilocyccken'. Unlisted(Hauser)
- 6435 INDONESIA, or possibly Malaysia. Not an RRI stn, but ID began "Inilah...R. ..." at 1558. Suarbaya mentioned twice; as early as 1408 w/pop mx; after 1500 native mx. Another day at 1539 w/hymns & CW standards; few anmts; still on 1730(Hauser)
- 6713 N.VIETNAM Viet Bac; 1255 ID, but soon QRM de het from numbers(?) stn in unid lang; off 1313 clearing channel for Viet Bac ID & several mentions of Viet Bac. Where is Viet Bac, anyway? and Tay Bac?(Hauser) Cannot find either in my index to Nat'l Geographic map of SEA(DF)
- 7044 IRAN R.Iran; Moslem chants, Tarsi lang in HS; good sig(Sizer) 0330
- 7105 SPAIN RNE; weak 2040 in Sp(Marcus)
- 7105 INDIA VUD Delhi; Eng nx 0110-0115 s/off; strong 14 Mar(Behr)
- 7107 THAILAND Thai TV Co.; M&W in Thai drama 1050; weak(Sizer)
- 7110 DODECANESE IS VOA Rhodes; 0400 s/on & ID in Eng(Heggs)
- 7115 THAILAND Bangkok; sad Thai songs, lang, 1043; good(Sizer)
- 7125 POLAND Warsaw; in lang 0500 w/classical piano(Shaw)
- 7125 GUINEA Conakry; Fr 0800; ID, mx(Perry)
- 7135 MONACO R.Monte Carlo; 0530-0600 mx, ID in Fr(Heggs)
- 7150 S.AFR. Springbok R.; 0410 mx, ads, mx(Drake)0350-0415 Eng, mx(Jones)0322 Afk tlk; Moscow now gone(Potter)Eng nx 0430(Fisher)Eng ads 0330(Heggs)Eng ads 0430 t/i; ad for enzyme detergent w/low polution lvl-they got problems, too(Shaw)
- 7155 FRANCE ORTF; Eng mx 0515-0530, //15190(Marcus, Williams)
- 7165 RYUKYU IS VOA, Okinawa; VOA Jazz Hour 1130; RAO QRM(Michalenka)
- 7170 N.CALEDONIA Noumea; 0725 US pops, Fr ID 0730; Fr pops; wx 0746(Williams)Fr 0710(Drake)Like a local 0830 in Fr(Shaw)0730 & later w/ads in Fr(Heggs)Fr 0743/ (Fisher)
- 7195 S.AFR. SABC; 2015-2030 Eng w/mx & IDs(Hicks)
- 7205 AUSTRALIA RA; Eng to SEA/Pacific 0930-1000; Star Time Parade & Gems(Marshall)
- 7210 SWITZ ICRC; 2300 F/E/S test w/best reception in 3 years! 16/18/20 March. I have documented evidence from Gerard Penard that they are out of Beromunster! I think Schwarzenburg is only a press release site & was dropped about 2 years back. (Michalenka)
- 7210 SENEGAL Dakar; 0747 w/IS; TC, TS, drums, Fr ID & mx 0750(Perry)
- 7215 IVORY COAST Abidjan; 0755, on a Sat;(Perry) Details(DF)Typical W.Afr mx, ID 2334(Tuchscherer)
- 7225 PHILIPPINES FEBC; s/off after Russ 1800(Wood)Earlier s/on, 2130, Chinese anmts, gospel mx(Padula)
- 7240 YUGOSLAVIA Belgrade; new fqy; Eng nx 2207, ID & into Fr 2213; seems to replace 7200, long established as a Belgrade outlet; QRM on 7240 from a Moscow Svc(Padula)
- 7245 ANGOLA Em.Official; pops, Port anmts, in clear 2130-2205 when RFE off(Padula)
- 7245 MAURITANIA "Ici Nouakchott, Rdiff de la Rep. Islamique de M." at 0807 after s/on. IS & prayer chant from 0758; faded by 0820, listed //9610 inaudible(Shaw)
- 7270 MALAYSIA(Sarawak) RMS; 1101 male ancr in lang(Lemma)
- 7275 NIGERIA VoN; Eng nx 0613(Fisher)
- 7290 GREECE Thessaloniki; locally produced NBI pgm 2000; Gk anmts, ballads, to 2030. VOA pgms on 7285 2030-0000 & 1700-2000(Padula)
- 7290 USSR "R.Vilnius" 2255 in Eng, asking for rpts, on a Friday(Niblack)
- 7290 MONACO TWR; Eng rel pgm 0830(Marshall)
- 7295-97 MONACO TWR; 0630-0715 Eng rel pgm, ID; seems to be edging toward 7300(Heggs)
- 7345 CZECH Prague; 2250 mx, lang, trumpets IS(Perry)0245 Sp to NA(Drake)
- 7405 NUMBERS German 5 digit numbers by YL 0030, 28 Mar(Behr)
- 7406A CHINA R.Peking; Viet around 0800; then Chinese opera(Shaw)
- 7480 N.KOREA Pyongyang; weak 1200 in Chinese(Marcus)
- 7773 U UNID... mx in SEA lang 0330, possibly parasitic(Hauser)
- 7776-9 UNID 0330 Thai/Lao tlk, "76 Trombones" & anmt; maybe Laos reg. stn(Hauser)

- 9610 AUSTRALIA Perth; Eng mx 1500(Anthony)1229 Eng transcript from R.Ned.(Scoville)
 9610 USSR "R.Vilnius"; s/off Eng 2257(Byers)
 9615 MOROCCO RTM; 0635 Arabic(Rowell)Fr 2030 w/Arabic mx(Marcus)All Arabic 0800(Shaw)
 Arab mx 0710(Wood)
 9620 FRANCE ORTF; 0700 Fr lang pgm(Caldwell)
 9625 ISRAEL Kol Israel; mx & cmtry 2100-2125 in Eng(Jones)
 9625 SWEDEN RS; Swedish 1010 w/mx on the hour(Hicks)
 9630 CZECH Prague; Eng to NA 0200, //11990(Wood)
 9630 PHILIPPINES VOA Tinang; Breakfast Show to SEA; Eng 0330-0400(Jones)
 9635 BRAZIL R.Aparecida; 0903 full ID after s/on anthem, into rel pgms(Lobdell)
 9635T SINGAPORE R.Singapura; Chinese tlks & mx, no ID(Lobdell)
 9635 RSFSR(As) Vladivostok, listed; Eng nx 1100; fine sig(Sizer)
 9640 S.KOREA VOFK; Eng nx 1105; fair(Sizer)
 9645 NORWAY Oslo; s/on 0300 in Norwegian & Eng(Niblack)
 9650 S.AFRICA R.Suid Afrika; Afrikaans & mx 0500 past 0530(Behr)
 9650 USSR "R.Kiev"; Eng cmtry 0445(Jones)
 9650 E.GERMANY RBI; 0330 Eng to NA; nx & cmtry(Caldwell)
 9655 PERU R.Nor Peruana; 0245-0305 LA mx, ID 0300 & mx; weak(Heggs)
 9655 JAPAN NHK Home Svc relay; 1st pgm, sports 0745(Wood)
 9660 COLOMBIA R.Rumbos; 2230-2330 w/ads, mx; RCN & R.Rumbos IDs(Niblack)Clear ID
 1015; abrupt s/off 1026, 22 March(Shaw)
 9675 BRAZIL R.Diario de Manha; 0935 Port mx & tlks(Lobdell)
 9685 EGYPT Cairo; 0700 Arabic mx & tlks(Caldwell)
 9685 USSR "R.Vilnius" 2230 in Eng, Fri(Padula)"Kiev" 0430 Eng to 0457 s/off(Handler)
 Moscow Eng 0230(Drake)
 9690 W.GERMANY DW; Port 2140, //9545(Behr)
 9690 ARGENTINA RAE; 0630 Eng w/US pops to 0700 s/off(Caldwell)
 9695 S.AFR. RSA; 2330-0320 Eng to NA, //9705, 11875(Hicks, Jones, Marshall)
 9695 BRAZIL R.Rio Mar; 1030 good sig w/IDs & ads; from deep in the Amazon interior;
 most isolated station in Brazil?(Shaw)
 9695T CAMBODIA RNK; believe hrd 1325 w/FE mx, lang by OM 1330; fqy usually jammed.
 (Koukol)
 9700 ECUADOR HCJB; Eng 0200, 13 Mar, //11740(Behr)
 9700 FRANCE ORTF; 0515 Eng to Afr, //7155,7255,11920,11930,15120,17730(Heggs)
 9702 NIGER Niamey w/anthem & s/on "Ici Niamey" 0700, Sunday; weak(Calkin)
 9705 CYPRUS: This fqy last month in error for CBC; typing error; should read 9715 of
 course(Calkin) Thanks for correction. (DF)
 9705 BRAZIL R. Maua; Port tlks by man 0931(Lobdell)
 9710 ECUADOR HCJB; Eng, light mx 0330(Rowell)
 9715 CONGO(PR) RTC; 0730 native lang; mx & some Fr(Caldwell)
 9715 NETH ANT R.Ned.; s/on Eng 0500(Parkinson)
 9720 SWITZ SBC; s/on Eng 0445(Parkinson)
 9725 SWEDEN RS; Eng 0330, Swedish 0400; ex 11705(Behr)Eng 0330, a little QRM(Drake)
 Eng tlks & pops 0330(Caldwell) (Wagner) /
 9730 E.GERMANY RBI; s/off Eng 0410(Parkinson)End Eng 0415(Handler)Eng nx 0100
 9740 PORTUGAL Lisbon; Fr to Eur 0700-0745 s/off; very good(Wood)
 9740 EGYPT Cairo; Italian pgm 1830; strong here(Hicks)
 9745 MEXICO R.Mexico; Mexican mx 0230, //11720, now up from 11718(Behr)0545 Sp,
 Mexican mx; good(Rowell)
 9750 CHILE CE975, R.Soc. Nac. de Mineria; 1158-1215 Sp, mx "El Reporte Esso" & mx;
 no ID hrd; extremely noisy(Patterson)
 9755 S.VIETNAM Saigon; "C" pgm, not hrd for some time, but now regular, w/Viet songs
 & anmts, 2215; blocked evenings by AFRTS, same fqy(Padula)
 9760 USSR "Kiev" 0430 Eng to NA; excellent signal(Caldwell)
 9770 AUSTRIA OR; 0035 light mx, German anmts(Rowell)ID & mx pgm in Eng 0100-0130
 (Fair)Eng pgm 0030-0045(Wagner)
 9770 HAITI R.4VEH; Eng mornings to 1400; poor(Wagner)Eng 0000, not sked Eng this
 time. What gives?(Hicks)New sked, maybe(DF)Eng rel pgm 1230(Ingler)

- 9800 USSR "Vilnius" 2231 Eng, //9745, 9685, 9590. Lithuanian 2300 on 9745, 9800, 11700, 12030(Behr)
- 9800 CLANDESTINE Dai Phat-Thanh Keu Doh, previously hrd on MW 1045 kHz; 0732 ID, theme, ID, tlk about Sihanouk; Chicom theme. (Hauser)
- 9804 ALBANIA Tirana w/Eng 0000, Peking Eng pgm 0100(Behr)
- 9833 HUNGARY Budapest; Eng to NA 0400(Caldwell) Eng mx 0308(Allen)
- 9900 CHINA R.Peking; Indonesian 1400-1426 s/off(Behr)
- 9912 INDIA AIR, Delhi; Arabic ID, tlk abt Islam 1712(Hauser)
- 9915 RYUKYU IS VUNC; Korean pgm 1630, //14460, both clear(Behr)9913, night mx 1815; het de AIR...my mechanical filter is non-symmetrical(Hauser)
- 9940 CHINA Peking; s/on Fr 1830(Wood)
- 10038V N.VIETNAM Hanoi; this fqy does vary, for noted down to this reading 2315 when in usual English session(Niblack)
- 10335 INDIA AIR, VUD Delhi; Eng discussion 1615; auroral flutter(Hauser)
- 10727 INDIA(?) Chinese(?) dictation, repeated 1617; jamming under(Hauser)
- 11165 SYRIA Damascus; all music 2130, QRM VOA(Drake) 15165, maybe?(DF)
- 11410 CLANDESTINE Peyk-e-Iran; strong 1635; tlk abt Ludwig Svoboda; gong 1636, tlk abt Asian countries, ID; jammer from 1641, but Peyk still on top(Hauser)
- 11510 CLANDESTINE R.Port.Livre; nice clear sig 2345 in Port w/clear ID(Calkin)
- 11600U Male voice in lang almost like Sp 0110. Female voice still here 0138. Is this Peking in Sp to SA(Young)
- 11615 PHILIPPINES USAF Comms. Stn AIC, Clark AFB, relay AFRTS for Vietnam & Thailand 0958 on RCUSB; ID marker on LSB. Closed circuit newsfeed from UPI 1837; fed by cable from USA, not via SW(Hauser)
- 11620 INDIA AIR, Delhi; fair in Eng mx 2000(Marcus)
- 11650 E.PAKISTAN Dacca; 1700 Eng ID; barely audible(Scoville)
- 11672 W.PAKISTAN Karachi; 1955 mx requests in Eng; Eng mx 2005(Marcus)Eng to UK 2010(Jamison)
- 11695U Oriental female voice here 0104 past 0142(Young)
- 11695 CHINA Peking; s/on Fr to Eur 2030(Wood)
- 11700 MONTE CARLO TWR; fair 1900 in Fr pgm(Marcus)Whoop, make that MONACO!(DF)
- 11700 USSR "Kiev" 0430-0500 Eng to NA(Marshall)Eng mx 0030 Sunday(Wagner)RP&P 0 000 w/Eng, Wednesday(Wagner)Kiev, s/off Eng 0100(Byers)
- 11705 CHINA R.Peking; Fr 1330, //15060(Behr)
- 11705 SWEDEN RS; 2245-2315 nx & SCDX in Eng(Tuchscherer)
- 11705 ASCENSION IS BBC; Fr 0430-0445 s/off, //7105, 9600(Behr)
- 11710 AUSTRALIA RA; 1220 Eng(Inglar)
- 11715 SWITZ SBC; Eng 0208(Handler)
- 11720 MEXICO R.Mexico; 0330 Sp mx pgm, frequent IDs in Sp, Fr, Eng(Caldwell)0438-0514 Eng mx & mx, ID(Patterson)
- 11720 GREECE Athens; Greek tlk 0800; also 2312, smothered by SBC s/on 2315(Padula)
- 11720 CANADA CBC; 1250 Eng mtry(Inglar)
- 11730 NETH ANT R.Ned.; Eng 0537(Jones)Eng 0230(Allen)
- 11735 SWITZ SBC, 0700 s/on Eng(Anthony)
- 11735 NORWAY 0300-0430 Norwegian, Eng ID(Rowell)0220 Eng mx(Allen)
- 11740 ECUADOR HCJB; 0800 Eng rel pgm, excellent(Rowell)0300 Eng(Allen)
- 11740 AUSTRALIA RA; nx & sports in Eng 1500-1530(Jones)
- 11749 ECUADOR HCJB; Eng to Eur 0100, 29 March; now on 11745(Behr)
- 11750 MALAYSIA(Malaya) BBC FES; 1515 R.Newsreel(Potter)
- 11760 CUBA; RHC; Eng mx & cmtry 0500(Jones)
- 11765 N.KOREA Pyongyang; s/on Russian(unskd this fqy), jammed, 0900(Wood)
- 11765 BRAZIL Rdif São Paulo; political speech 0845(Padula)
- 11780 CANADA CBC; new fqy, ex 5990; Fr cmtry to Afr 0755(Padula)
- 11780 GHANA R.Ghana; Afr Svc w/Afr mx, Eng ID 2058, off 2059; fair lvl(Fair)
- 11785 W.GERMANY DW; ex 6075, Eng to WNA 0435-0555, //6185, 9545(Rowell)
- 11785 BRAZIL R.Guiabay; pops, Port songs, tlk 0940. Also hrd some days in the 2200-0200 period, our traditional time for 25mb LA reception; blocked some days by Baghdad earlier. Reminds me of conditions in the low sunspot years 64/65(Padula)

- 11925 W.GERMANY DW; nx(?) in German 2300(Jones)
- 11925 BRAZIL R.Bandierantes; after Kigali s/off 0110, fast commercial type pgm; also around 0845 mixed with Lisbon(Padula)
- 11930 USSR R.Moscow; s/on Eng 0630; good(Parkinson)
- 11935 PORTUGAL R.Port; 0500 Portuguese & mx; good(Rowell)
- 11940 RUMANIA Bucharest; Eng nx 0430(Jeeves)
- 11940 SINGAPORE R. Singapura; 0500-0800 great sig in Eng w/pop mx, ads & serials; frequent IDs & TCs(Jamison)
- 11948.5 S.VIETNAM VTVN, Saigon; Viet talk, jammed 0915(Wood)
- 11950 LIBERIA ELWA; 0730 Eng rel pgm; good on a Sunday(Rowell)Eng rel pgm 0630 (Caldwell) BBC nx 0700(Wagner)0600 BBC relay; rel pgm 0624(Burke)
- 11955 CHINA R.Peking; s/on Oriental lang 1100(Lemna)
- 11960 INDIA AIR, Delhi; Eng to W., N. Africa 1945-2045(Wood)
- 11960 USSR Kiev pgm in Ukrainian, s/on 0430 Saturday, //11890(Padula)
- 11965 RWANDA DW; Kigali; s/on German 2030(Wood)
- 11965 FRANCE ORTF1 Port nx to Brazil 0010, //11920 also hrd(Padula)
- 11970 CUBA RHC; Eng V.of Vietnam pgm 0315; new fqy, along with jammer, which was already there; nearly unreadable(Heggs)
- 12025 N.VIETNAM Hanoi; Indonesian 1500, Eng 1530, //10040(Behr)
- 12350 MALAYSIA VoM; 0830 TS, ID, nx; 2x6175(Hauser)
- 14460 RYUKYU IS WUNC; lang 1750, but clear ID(Fisher)
- 14510 OKINAWA VOA; Chinese 1048; fair(harmonic of 7255) (Hauser.)
- 15003 USSR RID; 0500 code ID & second pulses. Is QTH known?(Behr)
- 15013 N.VIETNAM Hanoi; Eng 2000(Calkin)Fr 2000-2030(when R.Liberation in Viet), into Viet 2030(when R.Liberation goes into Fr) (Wood) 1300-1330 Eng to SEA; weak lvl(Bowman)1727 anthem & Viet; Eng 2000; Fr 2030(Behr)
- 15046 N.VIETNAM? ID? Viet 1500-1700 s/off. From 1857 Viet, 2000 Fr, not //15013. Gai Phong Radio?(Behr)
- 15048 CLANDESTINE(Assumed N.Vietnam) R.Liberation; Viet 2000-2030, Fr 2030; Lvl & propagation similar to Hanoi-15013(Wood)2000 beginning Fr & annc "Ici Radio Liberation, La Voix de la Liberation du Sud-Vietnam". Fr to 2030, then Viet to 2059 s/off. Stronger than Hanoi-15013. Viet "Gai Phong" armt 2030(Calkin)
- 15060 CLANDESTINE R.Euzkadi; Sp & Basque to 1928 s/off, 21 Mar. On 15083 to 2226 s/off, 27 Mar. New times?(Behr)
- 15080 INDIA AIR, Bombay; 1936 Indian mx, slight flutter(Potter)1705 weak w/Indian mx(Marcus)1745 Indian mx & Eng; fair sig at times(Heggs)
- 15085 UNID Soviet stn w/southern republic or Armenian type mx & lang. Fair to good lvl 1430, 21 Mar. Time tones & ID 1530, not understood(Shaw)
- 15086 IRAN R. Iran; Persian from 1500, since January(Behr)
- 15095 CHINA Eng 1506(Jones)
- 15105 BRAZIL R.Rural; well hrd in the 2100-0000 period(Potter)Man w/full list of fqys 0945, then into mx; also regularly in the 2000-2330 s/off period(Padula)
- 15110 MEXICO XERR; another regular now; piano mx 0000, all over HCJB(Padula)
- 15115 GRENADA WIBS; 2120 Eng tlk on sports(Ingler)
- 15120 VATICAN VR; Eng nx 1500-1515; Polish nx 1515-1530(Jones)
- 15125 SWITZ SBC; 2315 Port, //17830, 11720(Behr)0005 Swiss-German, into Sp 0030; //17830(Padula)
- 15130 LIBERIA VOA, Mva; Russian 2115-2145 s/off w/ID(Behr)
- 15135 EGYPT Cairo; Afr lang 2000, Arabic 2100(Behr)
- 15135 FRANCE ORTF; s/on Port 0000, //15120, 17730(Padula)
- 15150 CHILE R.Corporacion; occasionally noted, 0008 tlks, bank ad(Padula)
- 15140 RSFSR(Eur) Petrozavodsk; (listed), "Paz y Progreso" 0116 tune(Dexter)Out order
- 15145 AUSTRIA Vienna; ID in Sp 0100, also Ger; waltzes; 0000-0200(Padula)Out of order
- 15150 SAUDI ARABIA Djeddah; strong 0005; apparently new sked(R.Anderson)2030 Arabic news(Fisher)
- 15155 BRAZIL Radiodifusora São Paulo; ID 2100, futebol(Wood)Regular now; Port talks 0105(Padula)

- 11785 IRAQ Baghdad; Arabic mx 2110-2205 t/o; no ID hrd(R.Anderson)
- 11786v UNID; Arab pgm 2100-2320 s/off; varies to 11789(Behr)Baghdad has been known to vary around this fqy(DF)
- 11790 LEBANON Beirut; 0230-0254 nx & operatic selections in Eng(Tuchscherer,Handler)
- 11790 BELGIUM RTB; Eng mailbag 0050(Tuchscherer)Fr & Flemish 2315, new fqy(Behr) 2340, Saturday, Dutch tlk, into Fr 2343, Fr ID; short break 0000; then reopen at weaker lvl, possibly antenna change. New fqy(listed 15435 & 6125) (Padula)
- 11790 MOROCCO VOA Tangier; 0430 lang, US rock mx; Eng ID 0445, then Polish(Caldwell)
- 11793 INDONESIA(Java) Djakarta; 2335 pop mx, Eng nx items 2340 by lady(Padula)
- 11795 USA WINB; 2059-2129 Eng rel pgm, pop mx, HLH canned vegetable ads(Patterson)
- 11795 LIBYA Tripoli; gong, Arabic ID, Arabic nx 1930(Lobdell)
- 11795 BRAZIL R.Nac. Rio; 2150 strong in Port(Potter)
- 11800 CANARY IS RNE; Sp 0300, mx, //15365(Heggs)0400 Sp & mx(Caldwell)
- 11800 POLAND Warsaw; good 2325 in German, //7145, also good(Marcus)
- 11805 BRAZIL R.Globo; football 2315 after WNYW s/off; unhrd for many years at this time period(Padula)
- 11810 ITALY RAI; Eng nx 0100 (Wagner)
- 11815 JAPAN NHK; Eng nx 1500-1515(Jones)Was this // your 9560 item?(DF)
- 11825 TAHITI R.Tahiti; s/on 0230 w/Eng lesson to 0300(Sat); Checked next Sat, but no Eng lesson, tho s/on 0230 again. Is this Eng lesson weekly, bi-weekly, or what?(Heggs)Dunno. Anyone have further info on that?(DF)0530 Fr pop mx, Fr ID; some Tahitian(Caldwell)0605-0634 Fr & Tahitian, mostly Fr; pop mx, songs; no ID hrd, but QSLd; QRM from VOA(Patterson)Fr tlk 0315(Marcus)
- 11825 SWEDEN RS; 0000-0230 to NA; not on 11790 as the sked says(R.Anderson)0030 Eng to NA; used this fqy since Beirut on 11790(Michalenka)
- 11830 N.ZEALAND RNZ; 1125-1145 s/off w/mx, sports, in Eng(Callaway)
- 11835 HAITI R.4VEH; 2330 Eng rel pgm, better than 9770(Weber)1230 Eng rel pgm(Ingler) 1125 Eng rel pgm(Marcus)Eng AMs to 1400; better than 9770; also Eng nx 0200 to 0210 s/off(Wagner)See 9770 item(DF)Eng rel pgms 1230(Byers)
- 11835 ALGERIA Algiers; 2030 Fr w/mx(Marcus)
- 11835 CEYLON VOA, Colombo; 1505 VOA Eng nx thru 4VEJ on 11837(Potter)
- 11840 PORTUGAL Lisbon; Fr to Canada 0215(Wood)
- 11845 INDIA AIR, Delhi; 1225 Eng giving sked for Delhi(A) & Delhi(B) for the day; 1230 wx for Delhi, then 5 minutes of Eng nx; good daily(Bowman)See 11855(DF)
- 11850 GHANA R.Ghana; good 2020 Afr mx, Eng(Marcus)Eng to NA 2000; nx, mailbag(Burke)
- 11850 NORWAY Oslo; Eng 0420 on a Monday(Jeeves)0010-0030 nx, editorial comments (Callaway)
- 11855 USA WNYW; mx pgm 0059(Allen)
- 11855 SAUDI ARABIA Jeddah; mx & nx in Eng 1900-2000(Jones, Byers, Jamison)
- 11855 INDIA New Delhi; good 1225 in Eng w/list of pgms; 1230 nx 6 then into lang (Kelley)See 11845. WRTH shows 11850(DF)
- 11866 CONGO(DR) R.Lubumbashi in Fr w/Afr mx 1920; good lvl(Sizer)
- 11860 ENGLAND BBC; s/on Eng 0630; good(Parkinson)Out of order, sorry(DF)
- 11870 POLAND Warsaw; 0315 Sat w/Eng to NA; back from 9655; poor sig(Heggs)
- 11875 NICARAGUA Rdif. Nac. de Nic.; 0505-0546 Sp, mx, nx, ID; good, but some fade (Patterson)2221 past 2236 w/Sp anmts, LA mx, frequent IDs(Young)
- 11885 W.PAKISTAN R.Pak., Karachi; to E.Pak., Pakistani mx 0230(Wood)
- 11890 PHILIPPINES FEBC, Manila; Eng nx 0900(Wood)
- 11890 ETHIOPIA ETLF; Eng nx 0530(Burke)
- 11900 S.AFR. R.RSA; 0400, bad QRM(Drake) Pgm???(DF)
- 11900 MALAYSIA RM, Kuala Lumpur; s/on w/long IS 1100, into lang(Sizer)
- 11905 RWANDA DW; Eng pops, excited announcer 0559*Burke)
- 11905A THAILAND Bangkok; Eng pgm w/local mx 1031; wx, world nx; good sig(Sizer)
- 11910 THAILAND Bangkok; fair 1025 Eng s/on after IS; nx 1030(Koukol)
- 11910 SWEDEN RS; new fqy, ex 9625, Russian tlk 2040, Eng 2045, to FE(Padula)
- 11910 HUNGARY Budapest; Eng nx & cmtry 0405-0420(Jones)
- 11920 PHILIPPINES FEBC; Eng mornings to 1400; poor(Wagner) Pgm???(DF)1145 Eng ID; Chinese 1415(Marcus)

- 15160 AUSTRALIA RA, Lyndhurst; 0600 nx, mx, good(Rowell)
- 15160 TURKEY Ankara; 2200 Eng nx to W.Eur, then pop recordings, ID 2222, repeat headlines 2227, ID & fqy(G.Ferguson)2220-2230 s/off w/Eng cmtry & mx pgm (Callaway)2217 Eng quiz pgm(Scoville)Sng 2200(Anthony)2158 ending Fr(Marcus) 0348 s/on Turkish HS to Cyprus(Rowell, Marcus)
- 15165 SYRIA Damascus; pop songs 2020, Fr anmts by lady, then Eng nx 2030(Padula) Eng nx, mx 2030-2100; QRMd by Denmark from 2100(Heggs, Marcus, Wagner, Michalenska)
- 15165 ETHIOPIA ETLF; 1515 Eng & Fr IDs; to Madagascar, rel. mx(Tuchscherer)
- 15165 PHILIPPINES VOA Tinang; 0032 light mx(Marcus)
- 15170 JORDAN Amman; Arabic chants 2340, s/on 2330 Sp to SA; mixed USSR Chinese Svc (Padula)
- 15170 RSFSR(As) Blagoveschensk listed; 0145 man-woman-mx in oriental tx(Dexter)
- 15170 PHILIPPINES R.Veritas; test tx w/mx & Vernacular; Eng ID 1432, 11 Apr; "This is a test broadcast from R.Veritas in the Philippines."(Calkin)
- 15175 NORWAY Oslo; 2100 mixed SABC, 2300 mixed VOA-Philippines; 0700 mixed Cairo to Pacific(Padula)
- 15180 BRAZIL R.Cult. da Bahia; Port sports 0100 under BBC(Behr)
- 15180 NETHERLANDS R.Ned.; s/on 0800 Dutch to N.Afr. Replaces sked 15395 used for a few days early in March. //7210 also heard(Padula)
- 15180 USSR Moscow Eng to NA 0530 & Port to Afr; same time, same fqy(Padula)
- 15185 SEYCHELLES FEBA, Victoria; test tx, Eng ID, into piano mx 0358(Lobdell)Weak 0445 w/mx pgm, YL ancw w/frequent IDs to 0500 s/off(Koukol)Rel hymns, Eng anmts 0345 past 0400(Behr)0330 closing India/Pakistan/Ceylon pgm by American YL; no actual ID given, but obviously FEBA(Hauser)
- 15185 FINLAND Helsinki; Eng pgm to NA, pops, improving daily(Padula)1810-1828 Eng, pop records, interviews(Tuchscherer)
- 15190 CONGO(PR) R.Brazzaville; relay "Paris Calling Africa" in Eng 2015-2100(Wood)
- 15195 SPAIN RNE; 0410 Sp(Marcus)Sp mx & anmts 0230 //11710(Behr)New fqy, s/on 2300 to 0500 s/off, to LA, replaces 15420; QRM at times from NHK same fqy; good lvl, all Sp(Padula)0055 Sp & mx, ID 0100; more mx, IDs to 0130 t/o(G.Ferguson) Spanish to LA 2305(R.Anderson)
- 15200 AUSTRIA Vienna; Ger 1800 w/mx & mx(Hicks)
- 15200 BELGIUM RTB w/Belgium Speaking 2305; good signal(R.Anderson)
- 15220 S.AFRICA SABC; Eng nx to Ghana, Nigeria 0650, //17805, 21535 all hrd(Padula)
- 15220 NETHERLANDS R.Ned.; Eng to Afr 1830-1950(Byers)Not sure, but believe this is via Bonaire(DF)
- 15225 BRAZIL Cultural da Bahia; 0830-1015 Port anmts, pops, vocals; other Brazilians also hrd this time on 15105, 15445(Padula)
- 15230 CEYLON R.Ceylon; 0107 Asian lang; clear ID, //11800, both good(Marcus)
- 15235 INDIA AIR; 0035-0115 s/off Indian mx, economic tlk, nx 0100, in Eng(Tuchscherer) s/off 0116 after Eng; good signal(Marcus)
- 15240 E.GERMANY RBI; Arabic tlk 0550, //17750 also hrd(Padula)
- 15245 CONGO(DR) Kinshasa; mx to 0300 s/off; again from 0355 IS & anthem(Behr)S/on 0400 at good lvl(R.Anderson)0425 Fr w/Afr mx(Marcus)
- 15245 FRANCE ORTF; Eng 1929-1945(Hicks)
- 15250 RUMANIA Bucharest; s/on 0645 Eng to Pacific, //17850 also hrd(Padula)
- 15260 JAPAN FEN; weak w/ sports(Sizer) Whoops, no time(DF)
- 15265 SEYCHELLES FEBA, Victoria; 1628-1630 s/off; YL ancw; covered by Russian to 1628; I've yet to hear it on 15185(Williams)I've yet to hear it! Can't get by the hi-pwr tx on 15270(DF)
- 15274 HAITI 4WVI; 0000 asking for reports & promising QSL for correct ones; but at that time smothered by Warsaw s/on(Niblack)Eng 0100-0208 s/off, stronger than RHC on 15270. 100 watts?(Behr)Eng rel pgm 1430-1503(Hicks)0058 singing, ID 0100 & into Eng rel pgm; anmts & ID 0125, 0130 "Haven of Rest"(G.Ferguson)
- 15275 POLAND Warsaw; s/on 0000 w/IS, ID by woman in lang, at fine lvl(Niblack)
- 15280 N.ZEALAND RNZ; sports & lite mx from 0220(Tuchscherer)0400 wx(R.Anderson)0347 talk(Marcus)Eng, lite mx 0530(Scoville)Mx & nx 0421(Jones)0345-0610(Wagner)

- 15285 VATICAN VR; s/on 2300 Port to Brasil, Sp 2330; QRM RNZ 15280(Padula)0048 IS, ID 0050 & tlk on history of two popes, 0100 man anncd close of pgm & off (G.Ferguson)
- 15295 FRANCE ORTF; Eng nx 0515, relayed by Brazzaville 15190(Wood)
- 15295 FRANCE ORTF; Eng to Afr 2015-2100; nx, mx, interview(Marshall)
- 15305 SWITZ SBC; Eng 1528(Jones)
- 15310 INDIA AIR; excellent 0250 w/Eng nx by woman(Niblack)
- 15310 BULGARIA Sofia; Fr to Afr 1945, off 2059(Padula)
- 15310 SWEDEN RS; new fqy, Eng to FE 2250, ex 15155. Poor; should be on 11 MHz, or beamed via long route across the Pacific(Padula)
- 15320 NETH ANT R.Ned.; 0540 Eng to NA; 12 March only, apparently in error. My report rejected by R.Ned., but have asked them to check again(Heggs)S/on 2335 Sp to SA, anncing this fqy only, 14 Mar. Mixed RA Indonesian. Also hrd s/on 0330 Sp to Mexico, //9590. Not apparently running to current listed sked(Padula)
- 15330 MOROCCO UN(VOA tx) ending Hebrew nx 0620, Eng ID & into Fr, Italian nx(Padula)
- 15333V W.PAKISTAN Karachi; Pak. mx & lang 0230-0330 s/off w/anthem(Behr)IS 0128, s/on 0130, 2 IDs, into chanting; good lvl(Dexter)
- 15335 ITALY RAI; new fqy, ending Arabic 0550; reopened a couple minutes later on regular 15340(Padula) Italian to Afr 0435(Behr)
- 15335 INDIA AIR, Delhi; 1340 cmtry by lady, light mx 1345(Callaway)Eng 1330-1500 s/off //11810(Behr)1415 mx, woman w/Eng nlk, mx, more tlk, singing, man talking (G.Ferguson)
- 15345 GREECE NBI, Athens; piano mx, Greek anmts 2015; QRM R.Liberty 15340(Padula)
- 15345 NORWAY R.Norway; Norwegian pgm 2100-2231 s/off(Behr)
- 15345 SWITZ SBC; 1910 Eng to Afr(Jamison)
- 15354V W.PAKISTAN Karachi; Eng 0015-0115 s/off. Varies to 15352(Behr) 15360, Eng ID 0200, then lang mx to 0215 s/off(Lemna)
- 15365 CANARY IS RNE; Sp mx 0300, //11800*Heggs)0330 Sp mx, cl mx(Caldwell) 0445 Sp to SA on a Sunday(Rowell)
- 15380 RUMANIA Bucharest; Port talk 2240, after Kigali s/off(Padula)
- 15380 W.PAKISTAN Karachi; 0128 IS, 0130 Pak. ID & chants(Behr)In lang w/Karachi ID 0330(Lobdell)0135 chants & tlk by M&W; ID 0145(Tuchscherer)List that as Islamabad, not Karachi; my error(DF)
- 15390 ENGLAND BBC relay CBC Eng to Afr 0715, //11780 BBC, 9625 direct(Wood)
- 15400 ETHIOPIA ETLF; 1330 Eng, 0430 Arabic, replacing 15370(Behr)
- 15405 KUWAIT RK; 1805-1835 mx, nx at 1830 in Eng; QRM BBC & VOA(Heggs)1600 IS, Eng ID & mx(Behr)
- 15410 AUSTRIA Vienna; German nx 0605, mixed AFRTS(Padula)
- 15415 BRAZIL R.Clube de Riberio, Preto; 2230- after 0000; Port vocals, anmts; later mixed w/USSR same fqy(Padula)
- 15430 S.KOREA Seoul; begin Sp 0230, fair(Marcus)0300 Eng to NA; nx & cmtry; fades fast(Anthony, Caldwell)
- 15435 W.GERMANY DW; new fqy, ex 9690; Sp 2320, to 0030 s/off(Padula)
- 15435 CHINA Peking; Cantonese to NA, unsked this fqy, 0300(Wood)
- 15440 USA KGEI; 0325ID, Sp nx to LA 0330, ID & mx; still good 0345(G.Ferguson)0200 Sp nx(Tuchscherer)New fqy, Sp ID 0130, rel mx, choir, gospel messages in Sp; not hrd on usual 15240 this day, 5 Apr(Padula)
- 15440 PHILIPPINES FEBC; good 2330 s/on, into Eng nx from around the world(Niblack)
- 15445 E.GERMANY RBI; Port tlk 2320, later mixed NHK s/on 2345(Padula)
- 15445 BRAZIL R.Nacional, Brasilia; surprisingly hrd in our evenings w/ID 0950, then vocal, TC 0958(Padula)
- 15460A USSR Moscow lang, regular IS 1700(Jeeves)
- 15470 USSR 0715 w/known piano classics; fair to good lvl w/ some flutter. 11 gongs at 0800; fading bad by 0815. Kaliningrad listed. True?(Shaw)My list shows Kalinin, Northwest of Moscow. As far as I know, there is no active SW tx in the Kaliningrad region of RSFSR(Ur). (DF)
- 15520 N.KOREA Pyongyang; 0400 IS, anthem, Korean pgm(Behr)
- 15520 E.PAKISTAN Dacca; good 0210-0220 Eng nx by OM(Koukol)

- 16130 N.KOREA Pyongyang; Japanese pgm 0300-0350 s/off; strong on new fqy(Behr)
- 17490 CHINA R.Peking; RCSSB, closing Eng to NA 0255; 0302 in Cantonese(Hauser)
- 17605 CHINA Peking; opera 0230(Wood)
- 17680 CHINA Peking; Indonesian 0500-0530; unsked this fqy(Wood)
- 17705 INDIA AIR, Bombay; 0327 Hindi to Afr & other langs; s/off 0445; good(Heggs)
- 17715 LEBANON Beirut; new fqy, reactivated, ex 11810; ending Sp to LA 0059 s/off (Pad ula)
- 17715 AUSTRALIA Darwin; Eng nx 0500, weak, //17870 strong(Behr)
- 17720 FRANCE ORTF; Eng magazine titled Paris Calling Africa at 2015-2100, //15295, 15315, 21580(Hicks)Fr 1930, Eng news magazine & mx 2016-2100; Fr to 2109 s/off; according to ID, is Paris, not Brazzaville)Behr)
- 17720 BELGIUM RTB; new fqy, 4 Apr, Dutch tlk 0010, Fr 0015; pops, into Eng 0050; s/off w/anthem 0100; strong here(Padula)
- 17720 TAIWAN VOFC; fair 0200 w/Eng to NA(Marcus)
- 17720 USA WINB; Gospel pgm in Eng 1944-2200(Jones)
- 17725 AUSTRIA Vienna; new fqy, 0445 IS, Ger 0500(Behr)Waltz, march mx to SEA 0440 (Padula)
- 17750 KUWAIT RK; 0400 Eng ID, wx 0500; music(Behr)Wx 0500(R.Anderson)Eng to Gulf area & Pakistan; 0400 US pop mx(Caldwell)
- 17795 NORWAY Oslo; Eng feature pgm Sunday 2005 to Afr, mixed SABC till 1955(Padula)
- 17795 ITALY RAI; Eng nx by lady 0355 to S. Asia(Padula)
- 17825 JAPAN NHK; letter box, DX nx 0025; splash from VOA(Jeeves)
- 17830 CEYLON CBC, Colombo; 1055 IS, into Eng ID, native mx(Lobdell)
- 17830 SWITZ SBC; Eng nx 1500-1515(Jones)
- 17830 E.GERMANY RBI; Arabic tlk 0540(Padula)
- 17840 CZECH Prague; Arabic nx to Afr 2005; then African native mx(Padula)
- 17840 SWEDEN RS; Fr 0555, pops to S. Asia(Padula)
- 17845 USSR Moscow Mongolian nx 0620, //17740(Padula)
- 17855 JAPAN NHK; Eng 2300 with Topics of Osaka Expo., //9735, 15195(Hicks)
- 17865 BELGIUM RTB; new fqy, excellent 2000-2100; Dutch & Fr, pops to Africa(Padula)
- 17875 CYPRUS CBC; Nicosia; deep down, Sundays; Greek Orthodox rel svc 0930, mixed with DW Persian pgms same fqy(Padula)
- 17890 TAIWAN VOFC; 0300 Eng to NA, news(Caldwell)
- 17945 W.PAKISTAN Karachi; 1443 w/Eastern mx, woman w/lang nx 1445; 1500 man w/ID from W. Pakistan; Eng nx; lang pgm 1515(G.Ferguson)1340-1350 Eng nx by lady ancr(Callaway)S/on 1730 Arabic after IS(Koukol)
- 19429 CLANDESTINE(?) on AM 1441 w/YL giving 5 digit numbers in German twice; 1449 "ende", beep & carrier off(Hauser)
- 21460 BELGIUM RTB; new fqy; s/on 1000, IDs, into Fr & Dutch; ex 21745. QRM USSR also on 21460 this time period, but better than 21745 as that fqy badly jammed(Padula 1600 French sportscast, Sundays(Behr)
- 21485 AUSTRALIA RA; fair 0030 ending Eng nx(Marcus)
- 21495 PORTUGAL Em.Nac.; s/on 2130 Port to SA, //15315(Rowell)s/off w/anthem 0145 (R.Anderson)0000 s/on Sp to SA(Padula)0100 Sp, //15315, 11840(Behr)
- 21513 PHILIPPINES FEBC, Manila; Eng rel-pgm 0300, //17810; drift from nominal 21515(Wood)
- 21540 AUSTRALIA RA; US hits 0540(Jeeves)
- 21540 E.GERMANY RBI; Eng nx 1515(Jones)
- 21580 FRANCE ORTF; "Paris Calling Africa" in Eng 2015-2100//many other fqys(Wood)
- 21590 GRENADA; Eng requests 2105, ex 15110; s/off 2130 after BBC relay(Padula)
- 21605 NETH ANT R.Ned.; 1800 Sp, 1830 Eng to Afr; new fqy(Behr)
- 21605 AFGHANISTAN Kabul; weak 1200 s/on Pushto/Dari(Marcus)
- 21605 KUWAIT RK; Arabic 1600-1825, when covered by Bonaire; new fqy(Behr)
- 21640 JAPAN NHK; 0130 to ENA, ELA, Hawaii; ID, TC; Eng nx; cmtry, mx, tlk; DX items 0210, 6 Apr(G.Ferguson)0130-0149 nx & cmtry in Eng(Handler)
- 21650 ENGLAND BBC; 1433 comedy pgm, hospital skit; R.Newsreel 1500, mx 1515 (G.Ferguson)
- 21655 NORWAY R.Norway; s/on 0700 in Norwegian/English, //15175, 21730(Wood)

- 21685 KUWAIT RK; Arabic pgm 1500-1800 s/off, //21605 continues(Behr)
- 21695 ITALY RAI; 1530 Italian sports bdcst, Sundays(Behr)
- 21740 AUSTRALIA RA; 0230 Eng nx, songs, pop mx to 0255 t/o(G.Ferguson)
- 21745 USSR Moscow in unid lang from 1500(Behr)
- 21700 CZECH. Prague; 0657 IS, s/on Eng to ANZ, pgm summary, nx(Hauser)Out order(DF)
- 21740 AUSTRALIA RA; s/on Eng to NA 0100, //17820(Anthony)
- 22925 ENGLAND BBC; ID in Chinese(Yingwo K.T.), then documentary or drama, 1012, on AM, but I think a fixed feed to BBCFES rather than a harmonic in this spot. (Hauser)
- 23780 ARMENIAN SSR Yerevan list; 1421 Lao Svc; 2x11890 where also audible; I have previously hrd this harmonic in the States, too(Hauser)
- 25710 ENGLAND BBC; 1420 "Listener's Choice", ID 1430 & closedown(G.Ferguson)
- 25900 NORWAY R.Norway; physics lecture in Eng 1600(Burke)
- 26490 ENGLAND BBC, London; Hindi pgm on reduced carrier 1450, ID 1459; no doubt a feed for relay station(Hauser)

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The March and April Log Reports were compiled under severe restrictions on my time. It was necessary to restrict size somewhat, but all DX items were used. It is possible that, in one or two instances, I did not include any items at all from a given reporter. If this happened to you, please accept my apologies. Several reports have been arriving too late for inclusion, some having been mailed in plenty of time, others mailed on the 14th, 15, or even the 16th! Obviously these cannot be included, and they are not held over...One report in this time covering about a three month period up to the early part of March. Needless to say, it was tossed in the waste can! The Log Report is a report of current tips, not history!

I have not had much time for listening recently, but since the 1st of April have been back at it. Nothing particularly of interest heard; increasing noise level ruining 90 meters completely, and not leaving much on 60 meters.

Al Sizer sent along a copy of an article on DXing he ran in the Sunday magazine section of his newspaper. Some fine publicity for the hobby!

Back again next month; meantime, 73 & lotsa DX,
 Dan

ATTENTION!! Reports for July (June 15 deadline) should be sent to Dan Ferguson, 1419 Virginia St. E., Charleston, W.Va. 25301. This applies to reports for July only! Reports for June (deadline May 15) and August (deadline July 15) are to be sent to Fla. QTH.

***** FLASH

Last minit news/tips



SHEET * * * * *

Last minit news/tips

AL NIBLACK-EDITOR, 420 SHELBY St., VINCENNES, IND. 47591 Deadline 23rd of month.

* * * * *

Time: GMT

Freq: In Kilocycles

ALBANIA R. Tirana, 5059; positively IDed at 0400 with 4 time pips and, "Ju Het Tirana"--Wakeup exercises and Albanian folk music followed. (Dan Henderson, Maryland)

AUSTRALIA RA now beamed to ECNA, 1115-1215, on 11710, 9580; WCNA beam 0100-0300, on 17840. ...6100 New freq from Lyndhurst, 10kW, S/on 0830, ABC News 0900, 1000, beamed to Darwin, good signal; Darwin Relay, 6015, replacing 9650, in Mandarin, 1030-1430. (August Balbi, Calif.)

BRAZIL 11865 PRAB with easy listening music, Portuguese annots, at 0411, good modulation. Is R. Clube de Pernambuco. (Chris Lobdell, Mass.)

COLOMBIA The Unid. I've been tracking, 6115, is another RCN station; ID for Radio Mil heard several times. S/off at 0500. Actually, freq nearer 6116. (Del Hirst, Texas)

DOMINICAN REP 4825 (FLASH) New Dominican logged around 0030 is, "La Voz de las Fueras Armadas, Emisora Cultura" (Armed Forces Station). (Don Jensen, Wisc.)... This newcomer logged with ID, "Radio Cultura Nacional", at good strength. (Al Sizer, Conn.) ...This Spanish spkr is well heard in the evenings, though is silent on Sundays.

(Gerry Dexter, Wisc.)... Call letters for this new sender which is seemingly testing, are, "HIFA". (Al Niblack, Indiana)...I heard a Dominican on 5000, around 0145; IDed as, "La Voz del Progreso"; could have been a harmonic of HLBC, 1250. (Lobdell).

ECUADOR 6140 R. Vision noted with typical LA music at 0412; good lvl, blocking Burundi. (Kris Lemma, Indiana)...HCJB noted on new 11745 (up from 11740). "Starlight Sketches" at 0730; till 1030 S/off, latter in Spanish. Good lvl. (Bob Padula, Australia)

...4930 Station Casa de la Cultura noted with prgming of Radio Theater from Canada, ID-at 0130. (Mauri McCoy, Tenn.)

ETHIOPIA ETLF noted on new 11795, S/on at 0250, with multi-lingual annots. (Padula)

GREECE VOA, Thessaloniki, 7175, sent full data QSL, including time as per request; verie signer, William A. Nelson. (Bill Martin, Dela.)

GUYANA R. Demerara, 3265, good 0933-1000 w/Indian type music, annots in English, a couple of ads. News at 0948. QSL received for my report. (Steve Kamp, Texas)

HAITI 4VEH outlets strong lvl on 15274, 11835, from 2300 with English. Increased power? Or, a new antenna?? (Balbi)...5040 Radio Valparaiso, Port de Paix, noted with French ID at 0350, S/off 0352 with anthem. (Chris Lobdell)

HONDURAS La Voz del Junco, Santa Barbara, heard at 1236 with full ID, on 6075, sigs fairly good. QRM'd out at 1242. (Rich Murphy, Texas)

JAPAN NHK is now offering outstanding coverage of the 1970 Exposition in Osaka; 13 meter outlet, 21640, very clear at 0130, excellent copy. (G. Alan Hickrod, Illinois)

INDIA AIR, Bombay, heard with strong signals S/on at 0327 in Hindu to Africa on 17705. Best signal I've heard from India. I like that IS! (Dick Heggs, Canada)

INDONESIA 3698 Station with RRI news 1505, ID at 1510, believed Pakanbaru; at 1515, 3 ascending chimes, undermodulated local ID. (Glenn Hauser, Thailand)

INTERNATIONAL WATERS R. Nordsee International good 0638-0716, pops. German prgm till 0700, then into English, 6210. (Steve Kamp)

IRAQ 3240 Baghdad noted with Arab wailings after 0300, at fair lvl. (Al Sizer)

IVORY COAST 11920 R. Abidjan with American pops 0630, French annots. (G. Alan Hickrod)

KUWAIT Tentatively KBS, S/on 0400, on 21590, in English, QRM heavy. (Balbi)

MALAWI (F L A S H) 11955 (anncd 11960) Radio Malawi observed 0630-0700 with English and French ID every 15 minutes, good strength, MUST BE THE NEW HIGH POWER TRANSMITTER. (This info by long distance phone just at the deadline, Editor) (August Balbi). End of F L A S H. (Thanks to August for this one, Editor) See next page...

MALAYSIA Kuala Lumpur, 15280, 11900 parallel, fair with English news 0830; strong lvl On 9665, more power? English news 0930, 1400, 1600, S/off at 1630. (Balbi)

MEXICO XERMX announcing fqys 9745, 11720, and 15125, at 0300, though latter 15125 not audible, would be a new fqy. A 7 minute English news bulletin then (Dick Heggs, Canada)

PAKISTAN 15360 Karachi in English 0158-0200, followed with language. (Kris Lemna)

PERU 6080.5 R. Nacional del Peru, ID at 1229; long path reception and rather late (0729 in Lima). (Glenn Hauser)

PHILIPPINES 5980 Still unidentified but about 90% commercials; at 1029 with vintage "Kool" ad in English; others mostly in Tagalog, Coca Cola, etc. (Glenn Hauser)... FEBC 15300, 15385, S/on with ID, English prgm at 0830, fair lvl. (Balbi)

PORTUGAL R. Portugal surprised by coming up on new 7160, 0700-0745, in French to Europe. Good lvl, is parallel to 6025. Seems on regular schedule. (Bob Padula)

SAO TOME R. Clube de Sao Tome, 4807, weak at 2221 w/Portuguese by M. (Chris Lobdell)

SOMALI 6097A R. Mogadisco heard with mideast music from 0331, bad QRM. (Kris Lemna)

SARAWAK 7160 Caught full ID, went from language to English at 1100, CW QRM. (Al Sizer)

SO. AFRICA 7150 Springbok Radio, Cm Svc, heard at 0430, with lively ads (G. Alan Hick- / rod)

SWITZERLAND SBC's latest schedule reads: ECNA 0130-0345, on 15305, 11865, 11715, and 9535. WCNA 0400-0545, on 11715, and 9535. (Balbi)

TAHITI 11825 R. Tahiti S/on 30 minutes earlier Saturday mornings, at 0230, and has been noted with English language lessons, possibly 2nd & 4th Sats. (Dick Heggs)

THAILAND 7040 Bangkok station, "Nung Por Nor", 4/6th, 0520, drama in regional dialect, 0555 Thai IDs and off. Opens 0528 with musical and sound effects. (Glenn Hauser)

TRUCIAL OMAN 6040 (FLASH) Saut As Sahil, The Voice of the Coast, bcasts HS prgms with cms, also on 737, and 1250; 10kW each. (SCDXers) (Is this loggable, stateside, Editor)

TURKEY TRT, Ankara, sent prgm schedule, indicated will acquire a 250kW xmitter this year. Sked Apr 2-July 1st, 1970: English 1415-1445, 17820; and 2200-2230, 15160 (French 2130-2200; German, 2100-2130); Arabic, 1830-1930, 9745 (Greek 1800-1830). (Dick Heggs)

TANZANIA ZANZIBAR 3339 A follow-up letter from Omar M. Omar, calling the first reply that he sent me a "Temporary QSL". An official QSL was promised later. (Dan Henderson)

TIMOR (F L A S H) 3268 In a last moment phone call, Radio Timor was reported logged 0830-0900 at poor lvl with Oriental music, man amcr, informs Edward Bull, Colo... George Fisher, Colo., reports a tentative FLASH logging on this one, 3268, from 0955 till 1030, M&W amcrs, Oriental music. Both loggings when no Ute QRM present.

VATICAN Vatican Radio since April 1st, to NA, 0030 Spanish, 0050 English; French on 15285, replacing 6170, 11725, 9615, all good. (Balbi)... Vatican Radio noted April 5th in Spanish to SA at 2335, a new outlet. Hard to keep track of this station's moves. (Padula) (Frequency quotation, please, Editor)

VENEZUELA 4800 R. Lara out of the RTTY from 0323 to 0400 S/off; great signals, has on Sundays during this period a prgm of international hit songs. (Rich Murphy)

VIETNAM(N) (FLASH) 15150 Another new fqy for Hanoi; 1050 talk in Viet-like language. 1100 Hanoi theme song and gave program sked in local times. (Glenn Hauser)

USA KGEI has moved to 15440, 2230-0500, from 15240. (Balbi)

USSR (RSFSR, ASIATIC) 4610 Possibly Khabarovsk heard 1204-1233, Russian talk, then music.

CLANDESTINE 9423 V. of People of Thailand (ID given only in Thai) not- / (Steve Kamp) ed 1000 music box IS strident IDs by M&W, followed with local time quotes (Glenn Hauser)

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 4-3-70, FOR MARCH 1970: 1-134, 2-126, 3-113, 4-101, 5-107, 6-100, 7-108, 8-116, 9-119, 10-123, 11-100, 12-84, 13-104, 14-84, 15-65, 16-46, 17-29, 18-41, 19-48, 20-93, 21-115, 22-122, 23-131, 24-140, 25-142, 26-122, 27-115, 28-110, 29-103, 30-111, 31-101. MEAN--101.7

PREDICTED: Apr-93 May-91 Jun-89 Jul-87 Aug-85 Sep-83 (Grady Ferguson, No. Carolina)

ACKNOWLEDGEMENT: An acknowledgement with thanks to all of those who cared enough to supply material to make this Flashsheet possible... Did you see your name among those listed as helping?

A few closing remarks: Please write a report on one side of the paper only. There is a valid reason for this request. Please do double space between items. Please do not submit items to this column that have been sent to other FRENEX Departments. Please quote the make and model number of your receiver. Last minute flashes may be phoned to 882-3976. Good DX and see you all next month. 73, AL