



NEW MEMBERS TO NASWA, AND WELCOME RENEWALS

HQ NORFOLK. Following is a list of new members to NASWA although I don't have all the information at hand to tell you how they decided to join us. At any rate we welcome each and every member. Members joining after the 20th of the month will be listed in the following month's FRENEX. 19 new members this time!

- Frank Aden, Jr., Boise, Idaho
- Al Andrews, Weirton, W.Va.
- William Conner, Allentown, Pa.
- John Hoogerheide, Marquette, Mich.
- Francis Murphy, Buena Park, CA.
- Robert Unterzuber, Lakewood, CO.
- Jerome Breitenbach, Covina, CA.
- Roy Thomas, Collierville, Tenn.
- Ronald Howard, Rockville, Md.
- John Alexander, Akron, Ohio
- Dr. Stephen Bass, Edwardsville, Mich.
- R. R. Crouch, Paris, Texas
- Mark Konen, Mequon, Wisc.
- Thomas Roseleip, Dubuque, Iowa
- William White, Liberty Corner, N.J.
- Tom Lawry, Jr., Shreveport, La.
- C. H. Raitz, Matairie, La.
- William Reynolds, Depaw, N.Y.

RENEWALS include: Mark Duba, John Soneff, Walter Reed, Dr. Don Brown, Stan Cabral, Grady Ferguson, Les Gaynor, Joseph Ray, Robert Kirkpatrick, Steve Wood, John Zaharek, Robert Byers, Joe Torok, Mel Flannagan, William Coleman, Ed Feith, Tom Clark, C.J. Schilmiller, Mildred Marshall, Niels Falsig (Denmark) and Dave Brown.

So, you see, NASWA grows and grows and grows!!  
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MY OLD UPSTAIRS, SHE AIN'T WHAT SHE USED TO BE

HQ Norfolk. You should see it, too! Stacks & stacks of letters laying around, file drawers open, unfinished notes in the typewriter, interval signal tapes copying on the recorders, and the January FRENEX taking shape in the middle of the floor. Then, what is more, member Danny Jamison and cousin drive down in the cold for an eyeballer. A real fine rap, indeed! We jacked our jaws about shop, QSL collections, ate some cake, and generally wasted a bunch of time. Hi! Y'all drop around anytime, hear? Ed

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Did YOU ever try DXing the 60, 75, or 90 meter bands? Try now!! The season for lower freqs has opened, and many of the rarer and most satisfying catches to be found are down there.

NASWA MEMBER IS ALL HEART FOR THE HOLIDAYS

HQ Norfolk. Don't ever tell anybody that Sara Stillman has no heart. She does, indeed! In our hour of need, during the uncertain days of November after Bill Edding's attack, the publishing of FRENEX was delegated to me. This necessitated considerable expense to establish publishing equipment & supplies here. We are greatly indebted to Sara for her generous and unselfish donation of \$50.00 to defray expenses incurred during these difficult times. As a direct result of her "heart" & display of Unity & Friendship, NASWA remains financially stable and able to continue with our usual high-quality monthly bulletins. Many thanks, Sara, from us all!  
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NASWA HELPING-HAND SERVICE AVAILABLE TO ALL

HQ Norfolk. In order to maintain NASWA's No. 1 position in Short Wave communities, the Officers and Editors of NASWA and FRENEX realize that a goodly number of members at times run into hobby-related problems difficult to answer. All members are invited to consult with the Officers and Editors to seek advice and assistance. Never has a hobby club had such a wealth of experience and technical knowledge - yours for the asking. Please remember to enclose sufficient postage or coin when writing to these gentlemen - they serve willingly, but without any recompense. Questions about loggings, schedules, QSLs, or station info may be directed to the proper section editors. Mr. Al Niblack welcomes the opportunity to assist you in the technique electronics, and mechanics of your hobby gear. Addresses are found in every issue of FRENEX.  
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LATEST WORD CONCERNING EXECUTIVE SECRETARY

A last minute telephone call to Bill's home indicates that he is home for good now, with full recuperation expected. Bill insists he will be back with us soon. Hurry back, Bill, we all miss you.

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These last few words will be used to apologize for the less-than-standard good quality appearance of January's FRENEX. In the endeavor to get FRENEX to you, we have had use A.B. DICK stencils on a Gestetner mimeo. The two are not very compatible and results in the streaky borders. Just temporary, tho.

Editor: William A. Matthews  
P.O. Box 15306  
Columbus, Ohio 43215

Phone: 614-236-0026  
2300-0300 GMT

DX ATLAS: THE FORGOTTEN ISLANDS OF THE INDIAN OCEAN  
Edward J. Pyatt

It seems that of all the oceans of the world the least attention has been paid to the Indian Ocean. Tourists and scientists have been visiting the islands of the Pacific and the Atlantic for many years and the Mediterranean has been traveled and described in literature for thousands of years.

Yet, it was to reach the Indian Ocean and Asia that lay beyond it that Christopher Columbus undertook the famous voyage which led him to America and it was to reach the Indian Ocean that Vasco da Gama started out in the direction of the Cape of Good Hope. Historically, the Indian Ocean was known to the Egyptians, the Persians, the Dravidians of Mohenjo-Daro, Axum and Byzantium, and Solomon engaged the Phoenicians to investigate the ocean for him. This was before the Atlantic Ocean was known to the civilized world.

With the help of the monsoon winds, the Arabs, who settled in Madagascar, the Comoros, Zanzibar, Pemba, Mafia, etc., sailed back and forth across an ocean which was free of fog and mist. For despite its cyclones and storms, the Indian Ocean remains the kindest of all oceans to the seafarer.

Why, then, are the islands of the Indian Ocean forgotten in science and literature? The Smithsonian Institution recently brought out a field guide for bird studies in the Indian Ocean, and freely admits that very little indeed is known about such islands as Farquhar, Astove, Aldabra; even the Seychelles have hardly been investigated.

So when you set out for the "forgotten islands" of the Indian Ocean you are indeed on a voyage of discovery. Perhaps you are familiar with the islands of the Pacific or the islands of the Caribbean. By comparison you will find that the Indian Ocean islands offer an experience you have not found elsewhere. Landfalls on the atolls are unchanged since the days of Vasco da Gama and of the pirates who occasionally inhabited them hundreds of years ago. When stepping ashore on one of the islands, after crossing the reef in a whaleboat, you feel you are the first man ever to set foot on the white coral sand. The peace and the joy of the reef, the white beach, the tall coconut palms and the delicate feathery branches of the casuarina trees are not interrupted by a line of tourist cottages or high-rise hotels. Thousands of birds also inhabit these islands - the terns, boobies, frigate birds, shearwaters, warblers and sunbirds are there. They have never known danger and are tame beyond belief.

The feeling of joy may be mixed with sadness, because it is difficult to avoid asking yourself "how long can this remain unspoiled?" We are indeed privileged to be able to experience this beauty and this peace, to catch a fleeting glimpse of paradise before it vanishes forever. For a moment we can forget the asphalt and the concrete and feel happiness in a world unchanged by man.

General Gordon of Khartoum, known as "China" Gordon, insisted that the original Garden of Eden was the Vallee de Mai in the Seychelles. Located in Praslin, the second largest of the islands, it fits every man's vision of paradise where Adam and Eve fell from grace - except that there are no serpents. It is now a nature reserve,

DX ATLAS  
(continued)

the only place on earth where the extraordinary coco-de-mer palm is found. The existence of this remarkable tree was known for a thousand years before its island refuge was discovered. It boasts the largest nuts and the largest leaves of any plant. The highest coco-de-mer palm in the valley stands at nearly 200 feet. The huge nuts were occasionally washed up on the coasts of India, and it was believed that the plant from which they came grew on the bottom of the sea.

In Seychelles Islands you will find interesting people and can explore Victoria, the capital city. You can attend a typical Seychellois dance, the Muchia, followed by a barbeque dinner. The people of the Seychelles defy all rules as to color. A true Seychellois can be pitch Black or blond and blue-eyed, with every hue in between. They are a happy, lotus-eating people and, like so many inhabitants of sun-bathed islands, are generous with their charm and laughter.

The island of Grand Comoro offers a completely different sight. It is a volcanic island with Mount Karthala which rises 7,874 feet above sea level. The Comoro islands were famous for the Black pirates but, today, they have another claim to fame. It is in the Comoros where we still find the Coelacanth, a fish that was believed to have been extinct for 50 million years.

Moroni is the largest town on the Grand Comoro and is a miniature Zanzibar in that it is typically Arabic, with narrow lanes and small market squares. Mosques are numerous. The little harbor is filled with dhows, taking spices and vanilla beans to Madagascar and the coast of Africa and Arabia.

From Moroni DXers can hear ORTF in French and Comorian vernacular on 3331 and 7260 kc/s. Its interval signal is folklore music played on instruments indigenous to the area. Verification is by letter and return postage should be included (preferably in the form of mint stamps).

From Seychelles a listener may hear Radio Seychelles, which alas, only transmits on the medium waves on 1331 kc/s in English and Creole. The Far East Broadcasting Association operates FEBA on shortwave frequencies in the 25 and 19 meter bands with programs in several languages beamed to South Asia.

THE PARTRIDGE VARIABLE FREQUENCY ANTENNA SYSTEM

Henry Michalenka

Leave it to the indomitable British to come up with a title like that! If you don't mind, I shall hereafter refer to it as the "Joystick/Joymatch" system. This is the antenna system comprised of a 7'6" vertical rod and its associated tuning/impedance transformer.

The rod ("Joystick"); As I said, it is 7'6" tall, and is constructed of copper or aluminum, depending on which model you purchase. It is shipped in 3 sections, and is simple to construct. Weighing in at about 2 pounds, it doesn't make a hassle when you want to carry it around, up a ladder, etc. It comes with 8 feet of feeder, so it can be placed near the rx for immediate use. More feeder can be obtained and added for use on the roof, in the attic (where mine is), or elsewhere. Since the radiation pattern of this antenna is spherical, it can be erected in any position/plane.

The tuner ("Joymatch"); Without this, the Joystick will not work. There are various

PARTRIDGE ANTENNA SYSTEM  
(continued)

models of tuners for this antenna, but I will give the details on mine, the type SM. This is designed for the complete medium wave and shortwave spectrum. It provides an odd number of  $\frac{1}{2}$  wavelengths when coupled (and tuned correctly) to the Joystick. Weight is 1 lb. 4 oz. It measures 6" x 4  $\frac{1}{3}$ " x 2  $\frac{3}{4}$ ", and is constructed of shatter-proof, high impact, black polystyrene. It is coupled to the receiver by coaxial cable.

I realize that it wouldn't be too useful to you to quote measurements and decibels and so on, so I will just say how I have done since I have started using mine. Although my listening time was hampered due to school, I have managed to log 94 countries in approximately 4 years before I erected the Partridge system. Some of these loggings are:

Greenland 3.999	Upper Volta 4.815
Guyana 3.265	Fr. Guiana 3.385
Solomon Is. 7.115	PR China Satellite 20.009
Guatemala 6.180	Ethiopia 15.400

Since I have started using this system, I have logged 7 new countries in 7 weeks, although not listening too often due to final exams, and graduation exercises, and so on. Some of these new loggings are:

West Berlin 6.005	Mali 4.783	New Caledonia 7.170
South Korea 9.640	Iraq 9.610	Dodecanese Is. 7.110

All these signals came in from different directions and at different angles of elevation, so I now know the advantage of this type of omni-directional antenna.

My equipment here is only the Heathkit GR-54, a Heathkit crystal calibrator, and this antenna system. The Joystick is in the attic, as I already mentioned, and the top of it is less than 30' up.

This antenna may not out-perform all antenna systems at a given time, but for those of us who can't afford/build our own aerial farm, this is the world's best antenna system. For more details, write to Partridge Electronics Ltd.; Caister House; Prospect Road; Broadstairs, Kent, England. When you write, be sure to mention where you saw this article.

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VOICE OF AMERICA AND THE JAMMING WAR

Voice of America has resumed prime-time broadcasting on Radio Moscow's assigned long-wave frequency in a renewed "jamming" war with the Soviet Union. The use of long-wave frequency 173 Kilohertz interferes with radio Moscow's signals to Eastern Europe, but United States Information Agency officials said it primarily is designed to make up for Soviet jamming of other frequencies. VOA officials said the programs in Russian and English can cut down appreciably on the number of people who normally would receive Radio Moscow outside the Soviet Union. But more important, USIA officials said, the program make it possible for American broadcasts to reach large audiences in Eastern Europe, particularly Soviet troops stationed abroad.

Both objectives appeared to be behind the resumption of American broadcasting on frequency 173 from a one-megawatt transmitted in Bavaria. Frequency 173 was allocated to Radio Moscow by the 1948 Copenhagen Convention. USIA officials said the United States started using the frequency August 21, 1969, one year to the day after the Soviet Union resumed jamming activities against the Voice of America simultaneous

VOICE OF AMERICA AND THE JAMMING WAR  
(continued)

with its move into Czechoslovakia. The decision to resume use of Frequency 173, after a more than five-year hiatus, was made under Frank Shakespeare, head of the USIA, the VOA's parent agency.

A career USIA official said the United States clearly has told the Soviet Union it will stop using 173 when the Russians stop jamming. About a month ago, the USIA official said, there was an exchange of letters in which the United States proposed talks and specifically offered to turn off 173 if the Russians ceased jamming. The official said the Russians sent back a brusque note, in which they declared jamming to be in internal Soviet matter, but that they would expect the United States to stop using frequency 173.

Although the Russians considered the use of 173 an American jamming device, at least some informed sources here call the charge unfounded. These sources say Radio Moscow uses the frequency primarily for domestic Russian programming, and that the VOA broadcasts reach only into border areas of the Soviet Union, particularly the Ukraine. Interference with the Russian signal, these sources said, occurs mostly outside the Soviet Union, especially in Central Poland. This means that in some areas of Eastern Europe, listeners who normally would receive Radio Moscow on that frequency no longer can. VOA officials concede that their broadcasts on 173 do not reach many Russians within the Soviet Union.

Independent radio experts do not hesitate to call the U.S. use of 173 a jamming operation. They said that although both Radio Moscow and the VOA would be received clearly in their immediate so-called "A" areas, it is impossible to put two signals on one frequency intentionally without jamming.

Informed sources said the VOA uses frequency 173 for prime time broadcasts a total of six hours a day, two in Russian and four in English. The powerful one-megawatt transmitter with an omnidirectional antenna, sources said, could reach from the Urals to Ireland and as far south as North Africa, if it were not in competition with Radio Moscow's 500-kilowatt transmitter. The sources said it was hoped at first that the Russian resumption of jamming in 1968 was only a temporary device to keep news of events in Czechoslovakia out of the Soviet Union. In time, however, these sources said, the Russians stepped up their activities to pre-1963 levels. Voice officials concluded that they should use whatever means were available to them--including 173--to reach Eastern Europe.

Besides using the 173 transmitter, VOA has increased the number of short-wave transmissions to penetrate Soviet jamming. VOA officials generally deny any jamming activities, per se. The argument has been made that, since Germany was not a party to the Copenhagen convention, VOA could use that frequency in transmitting from Germany. Independent radio experts feel, however, that unauthorized use of an assigned frequency disrupts the worldwide allocation system.

Marilyn Berger in the Philadelphia Inquirer....via John Mraz

THE BELGIAN RADIO, BRUSSELS  
John M. Leger

A very small country with a very large radio voice is Belgium. The first shortwave

THE BELGIAN RADIO, BRUSSELS  
(continued)

transmitter (OTC) for overseas broadcasts began operating from Leopoldville, Congo in 1943 with "The Voice of Belgium".

With the end of the war and the liberation of Belgium, OTC became the overseas transmitter of the Belgian Radio. This was during the postwar reconversion. In 1946, a new program for Belgian's living abroad was aired, "Belgians Around the World". A special program for Belgian sailors, giving shipping news, messages to and from the families of men at sea, and bulletins of news. In 1949, a special program for missionaries was introduced, giving news, family messages and special features on matters concerning the Church.

In August, 1952 the Service was transferred from the Congo to Brussels. OTC was replaced by ORU using 3 transmitters, 2 of 100 kW, and one of 20 kW. In 1956, a transcription service was created to provide programs recorded in Brussels for foreign stations, to second the work of Belgian cultural and informational services abroad.

By mid-July 1960, the ORU began broadcasting in 5 Congolese languages, besides French and Dutch. Transmitting 20 hours a day, the ORU sought to palliate the Congo crisis by providing strictly objective news bulletins throughout the day. They also broadcast over 30,000 messages.

At the present time, ORU broadcasts daily in French, Dutch, English, and various African languages. Broadcasts include news bulletins, talks, magazine programs, reports of current events, and the special "Amongst Friends" series of programs. Every letter receives a reply, and their Public Relations Service sends information on Belgium to all overseas listeners on request. The extremely high mail volume received by the station gives some indication of the number of people who tune in to The International Goodwill Station.

The Belgian Radio presents a 10-minute program in English twice a day. "Belgium Speaking", on the air since May, 1968; is likely to broadcast almost anything relating to Belgium and you never know what to expect. Hostess Jackie Marshall always puts together a fast-moving, interesting and many times humorous program. On the 3rd Wednesday of the month you can hear their DX program. Thursday is always Mailbag day, and if your name is mentioned on the air you'll receive a script of the program. Sunday is strictly a music day.

"Belgium Speaking" goes out every day at 2305 and is repeated at 0050 GMT on 11935 and 15335 kHz (subject to change). Listeners letters, comments, and reception reports are always welcomed and should be sent to: The Belgian Radio & TV, B.P. 26, Brussels 1000, Belgium. They are usually very fast in replying.

So, why not make it a point to tune in to "Belgium Speaking" and learn about a small, but vibrant, on-the-go country the easy way!

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THE ISRAEL BROADCASTING AUTHORITY

The Israel Broadcasting Authority is descended from:

- a. The Voice of the Haganah, the underground broadcasting station of the Jewish Independence Movement during the years of the British Mandate over Palestine, and;
- b. The Voice of Jerusalem, the official broadcasting station of the British

THE ISRAEL BROADCASTING AUTHORITY  
(continued)

Mandatory Government, 1922--1948.

Immediately after Israel's achieving independence in 1948, the two stations were combined and went on the air as Kol Israel-Voice of Israel.

With the introduction of Television, Israel Radio and TV were placed under the Israel Broadcasting Authority.

The Israel Broadcasting Authority Headquarters in Jerusalem is housed in a number of buildings: the studios and most of the editorial offices and the news department are in a complex of buildings which were built originally as a summer palace and servants' quarters for an Abyssinian princess who intended to spend part of each year in Jerusalem's fine climate. She never carried out this intention and the palace became a girls' school. After some years as a school, the buildings were taken over by the Mandatory Government and became the Holy Land's first broadcasting station.

Today, the Israel Broadcasting Authority broadcasts four programmes daily, on twenty-two wavelengths for a total of forty-eight hours daily. Daily news-bulletins are broadcast in Hebrew, Arabic, English and French and light programmes are broadcast in Hebrew, English and French. Special programmes include news-bulletins for new immigrants in easy Hebrew, Yiddish, Ladino, Moroccan Arabic, Rumanian, Russian, Persian and, once a week, Hungarian.

IBA Arabic station, Dar el Izaa' el Israiliya, broadcasts fourteen hours a day, serving not only Israeli Arabs and Arabic-speaking Jews, but a large and attentive audience in the neighbouring Arab States.

Programmes are beamed on shortwaves to Europe and Africa. Numerous reports prove that these broadcasts are received over a much wider area. The aim of the Overseas Service is to present objective news from Israel and the Middle East and concise features showing the varied facets of life in Israel.

The Israel Transcription Service distributes taped programmes in a number of languages to more than one hundred broadcasting organisations all over the world.

Television programmes are transmitted daily in Hebrew and Arabic.

There are some 600,000 licensed radio receivers and 300,000 licensed TV sets in Israel today.

Israel Broadcasting Authority  
....via Anthony Marks

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RX FOR RECEPTION

PART II

Al Niblack

SUN SPOT CYCLE: All year cycle change is one of nature's laws and the number of sunspots on the face of the sun affects radio propagation. If the sun's surface is covered with numerous spots the ionosphere electrically reflects at optimum and long distance radio reception is possible. Reception is poorer in the higher frequencies

RX FOR RECEPTION  
(continued)

as the sunspot count goes downward. This is a regular cycle of solar activity.

When the sunspot count is high the International Shortwave Broadcasters use the higher frequencies for their transmissions: i.e., the 11, 13, 16, 19, 25, 31, and 41 meter bands. As the sunspot count drops the same broadcasters tend to move into the lower frequencies to get results. A terrific jam and pile up results, particularly in bands such as the 49 meter band. Thus, the importance of the sunspot count charts can be appreciated by the listener. For the sunspot count feature please refer to the sunspot count as listed in the FLASHSHEET of FRENEX.

Another facet, as the sunspot count drops and the higher frequencies become unreliable, and the lower frequencies become better propagation-wise, it makes possible the logging of domestic stations (intended only for local consumption) in the 60, 90, and 120 meter bands.

Domestic stations are difficult targets, often presenting a language barrier, an unfavorable time constant, weak and watery signals, and other handicaps. They are often difficult to QSL (as they are not interested in overseas reports, being primarily for a semi-local listening audience). But, they are sought out avidly by veteran DXers, and drooled over by all. A word to the wise: as the sunspot count drops go into the lower frequencies for your happy DX hunting.

Though FRENEX presents no monthly propagation chart department listing forecasts of favorable frequencies and best times to DX, do not let such charts and the interpretation there-of, as listed by CQ Magazine (and other periodicals), worry you.

Become familiar with the terms in use in the propagation charts. One term that may puzzle is "MUF" (MAXIMUM USEABLE FREQUENCY); it simply means the highest frequency that is reflected back to earth between two distant points (for any particular transmission path.) Learn to read the charts crosswise and down to the point of intersection; at this point the desired information will be available. Apply the information you have acquired to your listening. There is nothing mystic about obtaining the desired propagation tips, there is no slight of hand trickery involved. Then too, become familiar with GMT.

Learn about the Auroral Zone, one covering the North Pole, the other the South Pole. Signals passing through these zones have a peculiar flutter. When there is an Auroral display signals are blocked out from traveling through these zones and stations that ordinarily are heard on your receiver may disappear entirely, with stations from other parts of the world showing up at good strength.

THE DARKNESS PATTERN: For a signal to travel long distances in the lower frequencies it is usually necessary for a darkness pattern to be present, as the transmission path must be mostly in the darkness. Either both the transmitter and receiver must be in darkness; or the receiver site in approaching dusk; or, daybreak, or approaching daybreak. For a receiving site in Central USA, evening listening will produce signals from the East (Europeans, Africans, and, etc.), though there is such a thing as long path transmissions. The same receiving site will in the mornings produce stations from the West (Asiatics, So. Sea Island outlets, and, etc.), though keep in mind that in both illustrations the Latin American stations can be heard.

APPLYING THE LAWS: Though the above has been of necessity but a brief outline it has attempted to explain the laws that govern long distance reception. Armed with this information one can log new and interesting stations, new countries and fresh voices,

RX FOR RECEPTION  
(continued)

appearing on the dials as if by magic, if one is but in the right place at the right time. Look for the "openings".

With the coming of new stations and new countries comes the problem of identification. To help and aid this problem, belong to a good club such as NASWA and follow the loggings sections carefully.

Happy DXing, go where the action is!!!

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RADIO OF FREE ASIA

"ROFA" is the most persistent voice raised against the treatment of American POW's held by North Vietnam.

"Radio of Free Asia" is a project of the Korean Cultural and Freedom Foundation, with headquarters in Washington, D.C. It is there that the programs to be aimed at North Vietnam are written and recorded for shipment to Seoul, where they are aired. They are beamed at the prime Asian time, 8 a.m., on two shortwave frequencies.

Bo Hi Pak, the executive director of ROFA, says, "each program reports actions and statements which express American's deep humane concern for POW's".

Long Island Press .... via  
John Banta

At this time, the two frequencies mentioned are not known ---- this would bear further investigation by some of our West Coast members or those in the Asian area.

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TWR - MONTE CARLO

Trans World Radio, Monte Carlo, recently reported the dedication of the United Evangelical Church Center in Warsaw, Poland. The UEC of Poland includes five Protestant denominations: Baptist, Church of Christ, Brethren, and two independent groups.

Dr. Paul Freed, founder and president of TWR and a principal speaker at the dedication, was on hand for a recording session of "The Voice of the Gospel from Warsaw," a twice-weekly broadcast over TWR. The programs are produced in the studio in Poland, mailed to Monte Carlo, and broadcast back to Poland by TWR.

During the first six months of 1970, some four thousand letters were received in response to the broadcasts.

Moody Monthly ...via  
Marlin A. Field

The British Association of DXers reports that the South African Broadcasting Corporation's transmitter site at Paradys has closed down. All SW transmissions are now aired from the H. F. Verwoerd site. The transmissions mentioned include both domestic, regional, and international SW services.

BADX...via W. Matthews

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RADIO FREE EUROPE

MUNICH--Every weekend, Czechs drive out of Prague to their country cottages or camps to breathe the mountain air--and hear the news. In Budapest, youths know all about the latest American records. In Bucharest, "Romania Four" is often cited as the source of news--even though the Romanians have only three stations. In these countries, and in Bulgaria and Poland as well, Radio Free Europe provides daily contact with the West in the form of uncensored news, discussion programs and music shows.

RFE'S STAFF of 975 American and exile reporters, editors, commentators and technicians also supplies an ingredient conspicuously lacking under the Communist system--day by day criticism of the regime. The Czechs who leave Prague with their transistors to escape the jamming of RFE's broadcasts could read another series of attacks last week in the party press. "The distortions and peculiar presentations have a clearly evident objective," the trade union paper Prace said of RFE. "It is to disrupt the confidence of our citizens in the party and state leadership." In its 20 years, RFE has been the target of thousands of such attacks, and, in the view of officials here, they prove the efficacy of the station. If Free Europe's message were not getting through, there would be no need for the regimes to polemicize with it.

But another kind of Communist attack has been noted with increasing frequency. It deals not with what RFE broadcasts but with its right to exist. The latest example appeared in the Hungarian party newspaper Magyar Nemzet. The Hungarians are particularly sensitive to the Munich station because of its role in the 1956 revolution. Radio Budapest has gone to the length of scheduling a pop music show at the same time as RFE's to win away its listeners. But the paper, continuing a campaign evident in Budapest at least since last fall, now wants to call a complete halt to the "slandorous attempt to undermine the social order of the socialist states."

Its reasoning, then as now, is that with the new left-liberal coalition in West Germany, West German territory should no longer be used by the station, if Chancellor Willy Brandt wants to make progress in his policy of detente toward the Soviet bloc. "The toleration of Radio Free Europe on West German territory is not a central question of the normalization of relations," the Hungarian paper said, "but it is a lead weight on the feet of Bonn's chancellor in the course of the already complicated negotiations." The Communists are increasing the pressure for RFE's removal not only because there is a new government in Bonn but because the contract between RFE and that government runs out next month.

Sources in Bonn, however, said no difficulty was expected on the renewal of the RFE contract for another five years. As long as the U.S. government stands behind the Munich operation--and disclosures of CIA funding a few years back show how close the relationship is--Bonn is unlikely to make an issue of RFE's presence in Germany. The Communist attacks ignore the changes that have taken place in RFE in its 20 years of operation. Early broadcasts crackled with promises of liberation and overthrow of the Communist regimes. That came to an end during the Hungarian revolution.

RFE'S function now is to encourage trends toward liberalization, where that is possible, and in general to act as an independent, critical Czech or Bulgarian or Hungarian radio station until such time as those countries can have such stations. If the Soviet invasion of Hungary marked the end of the old style, the invasion of Czechoslovakia 12 years later showed that RFE had come of age. There were instances of passionate broadcasts by exiles in the Hungarian revolution, some of them promising armed aid, but nothing of the sort during the Czechoslovak crisis. This record of responsibility makes it likely that RFE's continued existence is assured until the next contract expiration five years from now.

...Chicago Daily News....via

Richard Anderson

PRONUNCIATION HINTS FOR DXERS

Craig Koukol

Do you pronounce "Brunei" with tongue in cheek? Are you sure you are saying "Sarawak" correctly? Following are the correct pronunciations for some country and city names that you may be unsure about:

Countries:

Brunei - Broo•NI or Broo•NA

Celebes - SELe•bez or se•LEbez

Comoro Is. - KŌMo•rō Is.

Kirghiz - kir•GĒZ

Sarawak - sa•RĀwa

Tadzhik - ta•JĪK

Cities:

Ouaqadougou - wa•ga•DŌŌgōō

Tbilisi - t•BĪLĭ•sĭ

Godthaab - GŌT•hōp

Moqadiscio - mog•a•DISHĭ ō

Lourenco Marques - lō RĀNsōō mēr•KĀSH

Papeete - pā•pā•Ātā

Have YOU been pronouncing these names correctly????

(source: Webster's Geographical Dictionary)

\* \* \*

RAID ON VOA STATION

The New People's Army of the Philippines attacked the Voice of America transmitting station at Concepcion in Tarlac Province on October 20, killing a U.S. navy man and five men of the reactionary Philippine constabulary forces, including a battalion commander.

PEKING REVIEW .....via  
Richard Anderson

\* AND NEXT... \*

Next month in the SWC, you'll be reading about "Radio Cultural - La Voz de las Fuerzas Armadas"; more on Radio Free Europe, DX Atlas: Turks and Caicos Islands, W W V H and the move, Radio Station Peace and Progress, we take a literary look at broadcasting with John T. Soneff, Jr., and Latin leaders with Marlin Field. And for the unusual, Glenn Hauser brings us a fascinating article entitled, "Come In, Mars" - which deals with activities in 1924 when the angry Red Planet approached Earth. And last to be mentioned....we look at missionary radio stations T I F C and the 4VEH complex. See you then!

REQUEST: Would ALL members indicate their names and full return addresses in the upper left corner of the envelopes (or on the rear flap)? Many of you are not doing so....please remember that I carry on a considerable correspondence with listeners here in the States as well as overseas. I don't have the time to look up each and every address when I drop you a line ---- so PLEASE indicate your NAME and your ADDRESS (not just the city!) when writing. Thank you. WAM It is regretted that I must ask the above, but the problem is getting a bit out of hand - the extra seconds you spend will help speed up your reply.

## A SURVEY OF CURRENTLY ACTIVE STATIONS ON 60 METERS

Compiled by Dan Ferguson

This survey of 60 meter stations is the result of extensive monitoring by the following members of NASWA: Jerry Berg, Bill Berghammer, Gregg Calkin, Gerry Dexter, Al Drehman, Dan Ferguson, Marlin Field, F. Earle Hall, Glenn Hauser, Del Hirst, Don Jensen, César, Objío, Bob Padula, Jack Perolo, David Potter, Al Sizer, Bill Sparks, Dave Williams, Richard Wood. Without the efforts of these members there would be no 60 meter survey. In addition, the compiler has been aided by his membership in several radio clubs in various countries. These clubs are: American SWL Club, Australian Radio DX Club, Cimbrier DX Club, Danish Shortwave Club International, Finlands DX Club International, Newark News Radio Club, NASWA, and the World DX Club.

This survey is intended to cover primarily those stations which are potentially audible in North America, though no special effort has been made to delete other stations.

When schedules are known these are given in parentheses. A \* before a time indicates sign-on time; a \* after a time indicates sign-off time. f/i means fade-in; f/o means fade-out. Fade-in times for LA stations are generally given for ECNA locations, while fade-in times for Asian & Pacific Islands stations are generally given for WCNA locations.

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4250	CHINA R. Peking	noted 1340
4395	RSFSR(As) Yakutsk	noted 0725
4485	RSFSR(As) Petropavlovsk	noted 0600-1045
4500	AUSTRALIA Lyndhurst, time station	1115-1440
4500	CHINA Urumchi	noted 2330 in Europe
4500	LAOS United Lao Radio	noted 1015 in Thailand, should be audible WCNA
4560	GRAND TURK IS.	sked 1830-1845 daily; and during hurricanes
4610	RSFSR(As) Khabarovsk	noted 0700 past 1300
4620	CHINA Peking	noted 1400 in foreign s/c
4635	TADZHIK SSR Dushanbe	s/on 0000, noted past 0230 last winter
4650	ECUADOR	moved to 4765 kHz
4660	SEA Pathet Lao	noted 1016 in Thailand
4679	ECUADOR R.Nac.Espejo	s/on varies 1045-1100; s/off is 0530-0600; but often runs late. f/i 2200 ECNA.
4684v	N.VIETNAM Hanoi	noted 1015, and 1400 past 1500
4691v	COSTA RICA	moved to 4832v
4698	ECUADOR R.Nac.Progreso	0200-0530 s/off
4698	INDONESIA UNID stn	noted after 1100, has RRI rly 1200, hrd in Thailand. Also noted WCNA 1440.
4700	BOLIVIA R.San Miguel	usual s/off 0200 as noted in Brazil
4707	COLOMBIA Ecos de Pasto	was here last winter; is it still here?
4710	UNID stn	noted in lang 1435 on WCNA
4723v	BURMA Rangoon	noted in NA 1115 past 1400. Hrd in Thailand with open carrier 1018.
4738	ECUADOR R. El Mundo	(*1100-0412*) f/i 2200 in Fla; also rptd 4749v.
4748	N.VIETNAM Tay Bac regional	stn noted in Thailand 1020 past 1040.
4749	ECUADOR R.El Mundo	0020 & 0330; weak stn hrd in Fla 2300 past 0530 is likely this stn
4752	INDONESIA RRI-Makasar	0930 past 1500; best 1400 WCNA, best 1000-1200 ECNA
4754	ECUADOR LV de Guaranda	occasionally 0200A under Bolivian & Brazilian, hrd in Brazil
4755	BOLIVIA R.Em. Bolivia	0200-0403 s/off
4755	BRAZIL R.Maranhão	2130-0400*, but s/off varies; also noted around 1030

- 4755 THAILAND Nung Por Nor, Bangkok; noted in Thailand at 0105 & 1030; on recent check was gone by 1200; this one might occasionally show up in NA
- 4756 COLOMBIA CARACOL outlet(There has been disagreement on the local ID of this stn, and even on whether the stn uses a local ID.) Noted irregularly 1000-1100. As early as 2200; usual s/off is 0400; but also usually under the Brazilian. often excellent WCNA 1330-1530.
- 4760 INDIA AIR, Delhi noted 1030. Also to 0500 s/off
- 4760 PERU R.Tingo Maria before 0845 to 1300
- 4760 USSR Dzhambul (\*1000-0400\*) Noted 2230-0400\*
- 4761 VENEZ R. Frontera 1000-1300
- 4762 MONGOLIA Ulan Bator noted 0500-0700\*
- 4763 PERU R.Inca 1100 and 2230-0300
- 4765 BRAZIL R. Santana 1100 and 2230-0300
- 4765v CONGO(PR) RTC(also IDs as LV de la Rev. C.) s/on 0430, 2100 s/off, to 2200\* on Sat. Noted from 2030 ECNA
- 4765v MOZAMBIQUE RCM noted 2040
- 4765 ECUADOR HCAJ2, C.R.E. noted 2230-0500. Also 1050 past 1100
- 4765 ECUADOR "R.Tropicana" from 0500 past 0700, after C.R.E. s/off 0500. Uses same tx & has same address as C.R.E.
- 4767 COLOMBIA R.Catatumbo 2330-0400 s/off
- 4770 LIBERIA ELWA s/on 0600 past 0730. Also 2015-2300, may run late Sat
- 4770 INDONESIA RRI 1100-1200/ 1345
- 4771 N.KOREA Pyongyang 0830-1400
- 4771.5 VENEZ R.Bolivar (\*0945-0400\*) Noted past 1130 & 2200-0400\*
- 4775 BRAZIL R.Dragão do Mar said to be active. Stn noted in Fla 2230-0430 irregularly may be this one.
- 4775 AFGHANISTAN Kabul s/on 0230 noted WCNA last winter. Sked 1300-1730. Noted WCNA 1350-1430
- 4775 BOLIVIA R.Los Andes noted to 0400 s/off last Spring
- 4775 COLOMBIA LV de Maria/Em.Kennedy; noted 0235-0400\*. Occasionally runs late. Has been known to carry some English.
- 4775 ECUADOR UNID STN often past 0700, noted WCNA
- 4777 GABON Libreville 100 kw. s/on 0430-0600 & later; also 2030-2200\*, runs to 2300\* Saturday.
- 4780 AFARS & ISSAS R.Djibouti was sked to 0100 during November 1970 for Ramadan, but not hrd NA due VENEZ blocking the channel.
- 4780 HONDURAS R.Juticalpa (\*1030-0400\*)
- 4780 VENEZ R.Carabobo (\*1000-0300\*) f/i 2030 in Fla.
- 4780 RSFSR(Eur) Moscow from 0300 past 0600
- 4780 ECUADOR R.Atahualpa 2200-0435\*; best after Venez s/off 0300
- 4783 MALI R. Mali 0600 past 0700 & 2230-2300\*
- 4784 BOLIVIA R.Indoamerica ex 6202 kHz. s/off noted 0200 in Brazil
- 4785 TANZANIA RT 0330-0500 in Eng
- 4785 AZERBAIDJAN Baku s/on 0300, past 0500. Also 2030-2105 s/off
- 4785 BRAZIL R. Ribamar noted 0000-0200 s/off
- 4785 PERU R.Horizonte noted WCNA to 0500\* last winter
- 4785 CHINA Kunming noted 1020 & 1235
- 4787 VOSTA RICA R.Popular irregularly reported. 0500 & 0925
- 4790 PERU R.Nazca rptd some time back 0440-0515
- 4790 COLOMBIA Ecos del Combeime has moved to 49 meters
- 4791 VENEZ R.Ondas Portenas noted 1100 & 0000
- 4791 ECUADOR R.Atalaya usual s/off 0500A, but varies 0400-0530. f/i 0000
- 4794 ECUADOR LV de los Caras 0330-0515 s/off; also rptd 0400 s/off
- 4794 BRAZIL R.Congonhas 2240-0100 s/off
- 4795 USSR Ulan Ude noted 1500, //4800
- 4795 CONGO(PR) Brazzaville s/on 0500 past 0600
- 4795 BOLIVIA R.Nueva América s/on 1000

- 4795 LWM REF Onda Musical (\*1000-0430\*) Noted 1000-1200; f/i 2030  
 4797 ANGOLA R.Comercial 0600 last summer; also 2100  
 4800 UNID stn, likely USSR noted 1400 WCNA  
 4800 INDIA AIR Hyderabad Fall thru Spring at 1500 WCNA; noted past 1730 in Eur.  
 4800 VENEZ R.Lara (\*0955-0400\*) Noted 1000-1110 & 2300-0400  
 4802v PERU R. 150 occasionally at 2100 in Brazil. Ever hrd NA?  
 4803 CONGO(PR) Brazzaville 2000-2130\*  
 4803 UNID stn 0100-0230 irregularly hrd in Fla.  
 4804 KENYA Kisumu noted 0330-0350. Noted to 2045 s/off ECNA  
 4805 BRAZIL R.Por um Mundo Melhor; new freq; noted 2330  
 4805 BRAZIL R.Dif. de Amazonas 0300-0400\*  
 4805 INDONESIA RRI Djakarta s/on 2200 noted in Australia. Noted after 1100 in Thailand. Tentatively noted 1300-1400 WCNA.  
 4807 ECUADOR R.Popular 2200-0330, also 0430-0615. Has been hrd s/off 0500  
 4807 REUNION ORTF s/on 0230 is possible NA. f/i Australia 1600. S/off varies 1845-1900. Ever hrd WCNA in local mornings?  
 4807 SAG TOME RCST 2100-2230 s/off  
 4810 VENEZ R.Popular (\*1000-0400\*)  
 4814 PERU R.Amazonas (\*1100-0455\*)  
 4815 BRAZIL Rdif de Petropolis s/off is 0100-0200. Best at 2100 in Brazil  
 4815v UPPER VOLTA Ouagadougou s/on 0600 past 0700. Also 2030-2300 s/off  
 4815 ECUADOR Canal Manabita 2200-0500\*. Runs late at times. Also noted 1045  
 4815 INDONESIA RRI 1200-past 1300 QTH? Is this Pontianak?  
 4816 PAKISTAN R.Pak. QTH? noted to 1800 s/off in Eur. Ever audible NA?  
 4819.5 INDONESIA RRI-Pontianak 1330-1400  
 4820 GAMBIA R.Gambia as early as 2030 in NE USA; mixed Angola; s/off 2130  
 4820 ECUADOR R.Paz y Bien is active, runs to 0300\*; noted 2200-0300  
 4820 HONDURAS HRVC (\*1000-0500\*) Noted 1000 past 1200, 2200-0500. Has English 0300-0500  
 4820 ANGOLA s/on 0500, 2030 to at least 2300  
 4820 RSFSR(As) Magadan 0500 after HRVC s/off; past 1100  
 4820 UNID s/on 0630A, seems African, but not Gambia or Angola  
 4823 BOLIVIA R.Grigota 0200-0300\*, but to 0350 also noted. Sked?  
 4823 N.VIETNAM Hanoi 1020 past 1400  
 4825 ECUADOR R.Luz y Vida sometimes s/off 0300A, but sometimes past 0600. From as early as 2300  
 4825 COLOMBIA R.Nariño noted 0400  
 4825 USSR Ashkhabad 2030-2200 s/off; also 0300 past 0400  
 4825 USSR Khabarovsk area 0700-0900, also past 2030; in foreign svc sometimes. Also noted 0500.  
 4825 DOM.REP. LV de las Fuerzas Armadas; sked 1200-0500; noted from 2200  
 4825 PERU R. San José occasionally noted past 0300, in Brazil  
 4825 BRAZIL R.Cl. de Varginha s/off daily 0100, best in Brazil at 2100  
 4828 RHODESIA Gwelo s/on 0330 past 0420. S/off 2200 Sat; occasionally runs to 2215 Sat.  
 4830 MALAWI believed to be the stn noted 1900-1916 in Thailand recently  
 4832v COSTA RICA "R. Capital" is relay of local FM pgm occasionally used by R.Relej. This tx is ex 469lv. Noted 0230-0600\*; sometimes is //6006+  
 4829v ECUADOR R. Angel to 0400 s/off  
 4829 VENEZ R.Tachira noted 0950 past 1130; also 2300-0400v s/off  
 4830 PERU R. Apurimac noted 1030  
 4830v THAILAND R.Thailand 1015 past 1100; also 1400 on WCNA  
 4833v CHINA 1045  
 4834 MALI R. Mali s/on 0600, past 0645. Also 2030 past 2250  
 4835 BRAZIL R.Triangulo Mineiro noted 0100  
 4835 SARAWAK RMS, Kuching 1030-1600 s/off  
 4835 BRAZIL Rdif. Roraima 1000 ECNA

- 4838 UNID ASIAN, maybe Peking 1130 ECNA  
 4839 CONGO(DR) Bukavu s/on 0400, operates as early as 1900, noted 2045 ENA  
 4840 ANGOLA R.C. do Cuanza Sul to 2157 s/off  
 4840 PERU R. Atlantida recent 0420 s/off  
 4840 VENEZ R. Valera (\*0945-0400\*) Noted past 1130, as early as 2100. Has been noted to s/off 0300 at times.  
 4843 CONGO(PR) Pointe Noire s/on 0500  
 4845 COLOMBIA R.Bucaramanga (\*1000-0600\*) S/on varies as late as 1035; fade-in 2200 ECNA  
 4845 BRAZIL R.Dif.Teresina 0900. Sked??  
 4845 BOLIVIA R.Fides, La Paz 2200-0330; strong in Brazil 0100 & later  
 4845 BOTSWANA R.Botswana s/on 0358, past 0510; s/off 2100  
 4845 MALAYA Penang s/on 2200. Noted 1030-1630 s/off  
 4846 HONDURAS R.San Isidro 2230 past 0345  
 4848.5 UNID recently noted 0455 s/off w/ID for Atlantida or, possibly, Atlantico  
 4850 MAURITIUS 1800 in Australia. Ever audible NA?  
 4850 CHINA Peking 1505; many Peking 60 m. outlets in foreign svc now.  
 4851 MAURITANIA R.M. s/on 0700, past 0730. ECNA 2000 to as late as 2220.  
 4851v BOLIVIA R.Centenario 0045-0200 in NA. Best in Brazil after 0000.  
 4855 MOZAMBIQUE RCM 0300 past 0415 last winter; recently 1810 in Thailand. 2030 in Australia. Ever audible ECNA late afternoon?  
 4855 INDONESIA RRI-Palembang s/on 2100, noted from 1000-1600\* WCNA  
 4855 BRAZIL R.Taubate noted 2315  
 4858 ECUADOR R.Ondas del Zamora; ex 4900, occasionally around 2300 in Brazil  
 4860 ANGOLA Em.Oficial 1900-2200 according to European rpts credited only to EDXB. New Stn.  
 4860 VENEZ R.Maracaibo (\*1000-0400\*) Noted past 1130, and from 2100  
 4860 UNID under Venez 2230-0230 in Fla.  
 4862 CHINA noted 1023  
 4865 BRUNEI R.Brunei 1000-1430 s/off; best 1330-1430 WCNA; no English  
 4865 ECUADOR R.Dif. Cenit 0430  
 4865 AZORES Ponta Delgada 2000-2300 s/off. Don't confuse the Brazilian  
 4865 BRAZIL R.Cl. do Par  s/on 0800, noted past 0930; also from 2300, past 0245  
 4865 MOZAMBIQUE RCM noted 2000 s/off  
 4865v CHINA Peking HS 1000 past 1400  
 4870 CEYLON R.Ceylon Com'l from 1630  
 4871 BOLIVIA R.Norte, Montero best after 2200 in Brazil; noted elsewhere as early as 0200, to 0345 s/off  
 4871 DAHOMEY Cotonou s/on 0515, past 0600; s/off 2200, Sat 2300\*  
 4872 VENEZ R.Tropical noted 0000-0330  
 4872 INDONESIA RRI Sorong 0830-1430 s/off; but also noted 1400 s/off  
 4875 MOZAMBIQUE Em.Reg. do Delgada believed the stn recently noted 2115-2135 in NA  
 4875 BRAZIL R.Jornal do Brazil s/on 0830; from 2255 past 0030. Sked?  
 4875 ECUADOR LV de Esmeraldas noted 0445. Sked?  
 4875 W.PAKISTAN R.Pak., Karachi; noted 0210 in Eng last Spring, WCNA  
 4875 BOLIVIA La Cruz del Sur s/on 0945, noted past 1100. Also 2300-0305 s/off.  
 4880 VENEZ R.Universo (\*1000-0400\*) Noted as early as 2200, to 0400 s/off  
 4881.5 DOM.REP. R.Comercial (\*1000-0500\*) But s/off varies. Noted past 1200, and as early as 2030. At times past 0600.  
 4885 KENYA Nairobi 0400  
 4885 BRAZIL R.Cultura Poços de Caldas; best after 2200 in Brazil  
 4885 BRAZIL R.Dif.Acreana 0030  
 4885 BRAZIL R.Pion. Teresina last noted on 4887; 2230-0300\*. Noted 0900. S/on?  
 4885 RSFSR(As) Novosibirsk 1430 WCNA in winter  
 4885 MALAYA Indonesian mx here after 1100. QTH? Hrd in Thailand  
 4885 COLOMBIA Ondas del Meta back from 49 meters; to 0500 s/off, sometimes later.

4886 PERU R. Villarrica s/off 0500, also noted s/off 0630; as early as 0330  
4890 SENEGAL Dakar s/on 0600, apst 0730. Also from 2000 (to when?)  
4890 PERU R. San Juan 0400 s/off  
4890 PAPUA ABC s/on 0800-1400 s/off  
4890 VENEZ Rdif. Venez s/on 1000, usually to 0400 s/off. Sometimes uses  
the alternate fqy 4917 kHz  
4890 HONDURAS R. Lux fqy varies to 4891. Noted 2345 past 0500 at times,  
usual s/off is 0300. Also around 1000-1200  
4895 USSR 0310 & 0340. In winter 1500. 2 stns noted 1845 in  
Australia  
4895 BRAZIL R. Baré 2230-0230  
4895 BRAZIL R. Bahia 2230-0030  
4896 ANGOLA R. C. do Bie 2030 irreg in Australia. Stn noted 2135-2150 in NA  
is believed to be this stn  
4897 PERU R. Chanchamayo 0500  
4900 VENEZ R. Juventud (\*0900-0430\*) noted past 1200 & from 2130  
4900 INDONESIA RRI-Gorontalo 1345-1500 s/off, WCNA  
4900 ECUADOR LV de Saquisili to at least 0400. QSL states fqy as 4904.  
4904.5 CHAD Fort Lamy 2030 past 2130 Sat on extended sked.  
4905 BRAZIL R. Relogio Federal 24 hours  
4906v COLOMBIA Em. Atlantico again being hrd; 2100-0500 s/off  
4907 CAMBODIA Phnom Penh is here. Sked??  
4910v GUINEA Conakry ex 4900; 0600-0730; but 24 hrs recently, due to the  
invasion  
4911 ANGOLA R. Cl. Lobito is said to be active  
4910 DOM. REP. R. HIN tho said to be inactive, was noted early November  
4911 ZAMBIA Lusaka from 2030 in Australia; at times should be audible NA  
4911 ECUADOR Em. Gran Colombia 0000-0600 usual s/off, but later at times. S/on?  
4915 KENYA Nairobi s/on 0300, noted past 0430. Don't confuse w/Ghana  
here later. Also 2015v s/off. Well hrd WCNA at times  
1400-1500 in winter.  
4915 GHANA Accra s/on 0530, past 0730. Also 2100-2300 s/off  
4915 BRAZIL R. Cult. Araraquara 2300 & 0900  
4915 BRAZIL R. Rio São Francisco was previously hrd on 4925, but recent QSL letter  
says now on 4915  
4916 ECUADOR R. El Trebol after R. Guatapuri s/off 0500A  
4916v COLOMBIA R. Guatapuri noted 1030-1200; also f/i 2100-0500 s/off  
4917 VENEZ Rdif Venez alternate fqy to 4890; irregularly used  
4920 AUSTRALIA ABC Brisbane 0800-1400 s/off. Sked 2000-1400  
4920 INDIA AIR Madras regular after ABC s/off 1400, past 1530 when has  
English news; on WCNA  
4920 VENEZ R. Caracas said to be MW only. Previously noted 1000-0400 & later  
4920 USSR Moscow (listed) A Russian noted 2200-2300 s/off  
4920 PERU Ondas del Titicaca occasionally noted in Brazil to 0400 s/off  
4923.5 ECUADOR R. Quito s/on 1100, past 1200. Also f/i 2100-0430 s/off  
4925 BRAZIL R. Industrial 2345, past 0145  
4925 MOZAMBIQUE RCM as early as 0300; also 2100-2245 s/off  
4926 RIO MUNI Bata s/on 0430-0600, S/off 2200v  
4926 INDONESIA YDK6, Djambi 1100-1600 s/off; fqy varies to 4927  
4930 DOM. REP. R. Mil (\*1000-0430\*) Noted 0945 past 1200 & 2030-0430\*  
4930 USSR Moscow? 1500 WCNA, QTH?  
4930 VENEZ R. Junin one rpt 0830. Still active? Sked?  
4931 INDONESIA RRI-Surakarta 1400-past 1530  
4932 NIGERIA NBC, Benin 0430 past 0600; to 2300v s/off  
4933 ECUADOR Casa de la Cultura; s/on 1050; noted 0000-0400A  
4934 INDONESIA UNID stn 1400, //4931; QTH?  
4934 KENYA Nairobi noted 1730 in Australia. Noted 0030 in Hawaii. Should  
be audible NA

4935 BRAZIL R.Poti 0900 in NA; 2200 in Brazil; in NA 2300 past 0200  
 4935 MOZAMBIQUE Stn believed to be Beira. A Voz de Moz.; noted in Australia to 1900.  
 noted in Thailand 1750; new fqy? ex - ??  
 4936v PERU R.Tropical 0015-0545 s/off  
 4938 YEMEN Sanaa s/off 2030 varies. Alternates with 5804  
 4940 HAITI R.Dif.Haitienne 1100-1200, 2030-2330  
 4940 ECUADOR R.Nac.del Ec. 0300-0500, not recently hrd; now out of band?  
 4940 IVORY COAST Abidjan s/on 0600 past 0700; 2000-0000 s/off  
 4940 VENEZ R.Ygracuy (\*0955-0400\*) Noted past 1200 & from 2200-0400\*  
 4940 UKRAINIAN SSR Kiev s/on 0300, s/off 2105  
 4940 USSR UNID FE QTH f/i 1900 in Australia; noted 1530 WCNA  
 4945 COLOMBIA R.Colosal 24 hours; noted 0930 past 1130 & 2100 past 0430  
 4945 BRAZIL R.Educacadora de Braganca; noted in Brazil; fair until 2200, then QRM  
 from R.Colosal. Hrd NA??  
 4950 KENYA Nairobi noted WCNA 1500; runs to 1815 s/off  
 4950 SENEGAL Dakar s/on 0600. 2300-0000 s/off  
 4950 SARAWAK RMS 1030-1600 s/off; ECNA listeners should try 1100-1200  
 4951 PERU R.Madre de Dios past 0430, noted in Brazil  
 4953 BRAZIL R.Cultura de Campos; off fqy early 1970; best till 2100 in Brazil  
 4955 INDONESIA YDN3, Banda Atjeh; 1430 last winter WCNA, unhrd recent checks  
 4955 COLOMBIA R.Nacional s/on 1105 past 1200; noted 2100-0500AV s/off  
 4958 USSR Baku listed noted 2030 in Australia. Audible NA?  
 4958 BRAZIL R.Marajoara new fqy; irregularly used, //15245; from 2100 in  
 Brazil  
 4960 CHINA Peking foreign svc 0930/1030/1100/1400/2030/2305  
 4960 VENEZ R.Sucre (\*1000-0400\*) f/i ECNA 2200; relays R.Rumbos, 4970,  
 at times, so don't confuse  
 4965 ANGOLA R.Cl. de Malanje s/off 2200A according to an item credited only to  
 EDXB  
 4965 COLOMBIA R. Santa Fe 24 hours  
 4965 S.AFRICA SABC s/on 0400 Eng; off 2115, later on Sat  
 4967 PERU R. Sucuani ex 4835, best after 0100 in Brazil  
 4967.5 KUWAIT R.Kuwait ends Eng 2100 s/off; this fqy is also used for some  
 Arabic transmissions  
 4970 ANGOLA R.Cl Cabinda see 5032.5  
 4970 SABAH RM Sabah around 1400 WCNA  
 4970 VENEZ R.Rumbos (\*0900-0500\*); f/i 2100 ECNA  
 4972 CAMEROON R.Yaounde s/on 0500; noted 2000-2300 s/off  
 4972 BOLIVIA R.Juan XXIII said to be active. Sked?  
 4973.5 BRAZIL R. Timbira 0100 past 0300; also 0815  
 4975 BRAZIL R.Copacabana regualrly hrd in Brazil since early 1970  
 4975 CHINA Foochow listed 1400, //4995  
 4975 PERU R.Del Pacifico 0230-0415  
 4975 (RSFSR(As) Blagoveshchensk 1345  
 4976 UGANDA Kampala s/on 0300, noted 0330-0545; s/off is 2100v  
 4980 BOLIVIA R.Illimani 0200-0500, once s/off 0400. But Venez now back on  
 air & blocks fqy. 0100 over Venez in Brazil  
 4980 ECUADOR Ondas Azuayas noted after Venez s/off 0400  
 4980 GHANA Ejura 0600, also 2030-2300 s/off  
 4980 VENEZ Ecos del Torbes 24 hours usually, but not always  
 4985 ANGOLA R.Ecclesia occasionally as early as 0400 in Brazil. 1600 in  
 Hawaii, 2040 in Europe. S/on apparently 0400,  
 to 0400 s/off, noted in Brazil  
 4985 BRAZIL A Voz do Oeste  
 4985 MALAYA Penang 1100-1600 s/off  
 4990 CHINA Changsha? 1027, 1330 past 1400  
 4990 KAZAKH SSR Alma Ata s/on 0100; often noted Hawaii 1200-1700  
 4990 PERU R. Atlanta seldom noted, but try after YV s/off 0400

- 4990 VENEZ R.Barquisimeto (\*1000-0400\*) f/i 2100 ECNA  
 4994v SUDAN Omdurman from 0430; 1500 winter on WCNA; 2145 ECNA  
 4995 BRAZIL R.Br.Central s/on 0800, past 1100; 2300-past 0130; sked to 0400 according to some reports.  
 4995v PERU R.Andina Believe s/on 1000, but maybe 1100. s/off varies, hrd 0510 s/off, but often runs past 0600; some Sundays past 0800.  
 5000 USA WWV/VWVH time stations; 24 hours  
 5000 S.AFRICA ZUO noted in Brazil 2100 before WWV f/i  
 5000 ITALY IBF 0645  
 5005 PERU R. Jaen 0000-0400 s/off, S/on??  
 5010 CAMEROONS R.Garoua 2100-2200 s/off  
 5010 DOM.REP. R.Cristal (\*0925-0530\*) Noted past 1200 & from 2030. S/off varies; to 0600 sometimes.  
 5010 PERU R. Eco 0900 occasionally in Australia; had moved to 5114; moved back??  
 5010 SINGAPORE BFBS 1030-1500 s/off  
 5010 VENEZ R. Bocono s/on 1000  
 5012 RHODESIA RBC 2010, to 2200 s/off Sat  
 5015 GRENADA WIBS 2230-0000 s/off  
 5015 RSFSR(Eur) Archangelsk 0345 & 0420; don't confuse Vladivostok, same fqy  
 5015 RSFSR(As) Vladivostok 0540 past 1500, don't confuse Archangelsk  
 5015 NUMBERS stn 0000-0100 & in Ger 0610  
 5017.5 BOLIVIA R. Universo s/on 1000, past 1100; also 0230-0500 s/off  
 5020 CEYLON R. Ceylon 1300  
 5020 COLOMBIA Trans.Caldas used to be 24 hrs; most recently noted only in the evenings(EST)  
 5020 VENEZ R. Carora now strong 2200 past 0100; s/on 1015  
 5024 ECUADOR Believed R. Splendit; noted 0330-0400 s/off, both ECNA & WCNA  
 5026 BOLIVIA La Cruz del Sur moved to 4875  
 5026 UGANDA Kampala s/on 0300, past 0530; 2045-2105 s/off  
 5026.5 BRAZIL V.do Rio São Francisco; noted 0010  
 5030 CHINA Peking Eng 1600, noted WCNA, noted in Eng past 1850 in Australia  
 5030 DOM.REP. LV de Papagayo (\*1100-0300\*); often runs later, to 0400 & as late as 0530. Noted ECNA as early as 2300.  
 5030 SARAWAK RM Sarawak 2200 in Thailand. Noted 1000-1500 s/off in NA  
 5030 VENEZ R.Continente (\*0900-0400\*) Noted past 1200 & as early as 2100; sometimes runs late w/baseball  
 5032.5 ANGOLA(CABINDA) R.Cl.Cabinda here 2220-2300v s/off  
 5035 BRAZIL R.Anhanguera 2300 past 0000  
 5035 BRAZIL R.Espirito Santo hard to log thru other Brazilian; but occasionally noted thru the QRM 0000 in Brazil  
 5035 C.AFR.REP. Bangui s/on 0430, noted 2100-2230 s/off in NA  
 5035 COLOMBIA LV caqueta s/off 0400. noted 0630. Best time for this is on holidays, especially Christmas Eve & New Years Eve when it runs well into the night, possibly all night.  
 5035 PERU R. Ilo no recent reports, but last winter around 0330. Also a station most often hrd around Christmas & New Year.  
 5040 ECUADOR R.Centinele del Sur; 0030-0545 s/off  
 5040 HAITI R. Valparaiso 2300-0300  
 40 GEORGIAN SSR Tbilisi s/on 0200, s/off 2105; noted past 0330  
 5040 VENEZ R.Maturin irregularly hrd last winter to 0400 s/off; very infrequently reported  
 5041 BURMA Rangoon 1100-1600 s/off. Is not //4723v  
 5042 ANGOLA R.Cl. de Benguela s/on 0530 noted quite often in Brazil, and should at times be audible in NA

5045 BRAZIL R.Quitandinha	2300-0200
5045 BOLIVIA R.Altiplano	again active after having antenna destroyed; noted 0945-1115 recently
5045 PORT GUINEA Bissau	s/on 0700, to 0100 s/off; as early as 2200 ECNA
5047 TOGO Lomé	s/on 0530, 2000-2300 s/off
5047v INDONESIA Jogjakarta	1100 past 1500
5050 PERU R.Loreto	0100 past 0630
5051 VENEZ R. Mundial	ex R.Cultura. (*1000-0400*); noted 2230-0400*
5050 TANZANIA Dar es Salaam	0300 past 0430; runs to 2000 s/off
5052 SINGAPORE R.Singapore	1100-1630 s/off
5053v BRAZIL R.Vitoria	on this fqy & strong in Brazil
5054 MONGOLIA R. Ulan Bator	1100
5055 BOLIVIA R. San Rafael	best after 2100 in Brazil
5055 BRAZIL R.Cultura de Cuiabá;	weak after 0000 in Brazil
5058 PERU R. Tarma	rptd here in item credited only to EDXB
5055 VENEZ R.Litoral	ex 5060 according to item credited only to EDXB
5060 ANGOLA R.C. Huambo	often around 0600 in Brazil, noted NA 2200A
5060 ECUADOR R. Catolica	0300-0330*
5061 ALBANIA Tirana	s/on 0430, past 0600; also 2100-2158 s/off; last rptd this fqy, but has varied & usually on 5058.
5065 USSR Petrozadovsk	Occasionally 0500 in Brazil.
5070 GUATEMALA R.Nac.Matz.	This stn was definitely active summer 1969, as often noted with an ID as "R.Dif. Popol Vuh", apparently the name of a pgm, not the stn name. At least one DXer says station is not currently active
5075 CHINA Peking	1230
5075 COLOMBIA R.Sutatenza	s/on 0945, runs to 0400*; as early as 2100
5082 PERU R.Juliaca	ex 5015; daily to 0400
5085 INDONESIA RRI-Medan	1200-1600 s/off
5095 COLOMBIA R. Sutatenza	s/on 0945, also 2030-0400 s/off
5114 PERU R. Eco	reported here from 5010
5145 CHINA Peking	1130
5180v PERU R. Atlantida	0100 & 0330
5193v ANGOLA R.Cl. do Moxico	to 2300v s/off
5340 CHINA Fukien	1400-1430
5360 KAZAKH SSR Alma Ata	0015 ECNA

\*\*\*\*\*

The information in this survey is based on actual monitoring of the stations, and will differ from some published schedules. Those who find changes or errors are requested to send note of such to the NASWA Log Report editor, Dan Ferguson. For address, see LOG REPORT section this month. Comments, corrections, changes, etc., will be noted in the LOG REPORT.

Your comments on this survey are requested. There is a possibility of publishing surveys of other bands, and further surveys of this band in FRENDX. But that depends on a favorable response to this survey. If further surveys are published, the next one will be a survey of 90 meters. Please, lets have your comments. Send comments to the Log Report editor.

Double spaced copies of this survey are being made available to anyone who may wish one. For details, see the LOG REPORT this month. By making the survey available both to the NASWA membership and to anyone else who wants one, we hope to spread interest in tuning the 60 meter band, one of the favorite DX bands of many DXers.

NASWA - FRIENDX

NR

JANUARY 1971

ANTHONY MARKS - EDITOR  
1610 Alder, P.O. Box 521  
La Grande, ORE 97850.

NEWSROOM  
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HANK MICHALENKA - Asst ED.  
14 Brock Street  
Central Falls, R.I. 02863

Deadline 15th of the Month

Deadline 8th of the Month

Best wishes for DXing in 1971

Support NASWA & FRIENDX - Share news

NASWA-FRIENDX

NEWSROOM

JANUARY 1971

Due to an extra heavy work load for me the last three weeks in December, caused by people suddenly remembering friends they haven't thought of in a year or seen in fifteen, and to whom they must send a card or letter, thus forcing those in my profession to put in an average of eleven hours a day six days of each week for about three weeks (and often part of the seventh day) on the job, I must start typing out this NewsRoom early, because freetime between now and 01 January is somewhat scarce. The point is here that, even though some of you may get your contribution in to me in what would be sufficient time ordinarily, it may not make the pages this month since I am starting so much earlier, and I want to explain this to you now instead of finding it necessary at some later time.

We are still striving to make our pages as easy for you to read as we are physically able, thus, as I've said before, please bare with us while we experiment a little from time to time. For some reason, a vast majority of contributors, as well as many of the station bulletins which come direct, use MC (MHz) instead of the KC (KHz) method we have been employing. Therefore, this month we are going to switch to this method also to see how it goes over with you, the readers; let me hear from you on this (and/or any other change we may make). The last two months we have typed the time out using the colon, thusly: 12:00-12:30, and so forth. How has this effected the reading of the column? It makes it much more difficult to type, and, believe me, I must keep this in mind at all times. (The WRTH uses just a period like this: 12.00-12.30, but this is an incorrect method unless the hours are actually divided into hundreths instead of minutes (sixtieths) like some timeclocks.) This month, then, we are going to omit the colon from the time stated and use MHz instead of KHz and wait for your comments.

BBC, London, England

There are rumors running about that the British Foreign Office wants more say in the running of the BBC. Needless to say, this would be disasterous to the well earned reputation the BBC has gained for accuracy and fairness. However, let it be known, that the BBC is presently denying these rumors' possibilities of becoming factual as vehemently as possible without getting their proverbial wrist slapped by the "Old Bull". I suspect that only time will tell actual fact.

NHBI, National Hellenic Broadcasting Institute, Athens, Greece

News in English - (WRTH):  
0710 (Wn) 9.605/11.720; 1115, same;  
1345 (WN) 7.295/9.605; 1735, 11.720/  
15.425; 1835, 7.295/9.605; 1945,  
9.605/11.720; 2215, same; and 2312  
(Wn) also same. (Length not given)

RADIO LEBANON, Beirut

English service 0230-0300 now on  
11.780 (directly from broadcast).  
Eng. news at 1830, possibly still 11.960.  
There is also English news on MW, .989,  
at 1500 and 1700 for those interested.  
The service at 0230 has used 11.820 and  
11.925, and who knows how long the  
11.780 is going to last.

RADIO SOUTH AFRICA, Johannesburg

Regarding the 27 November, 1970,  
DX 70 Contest, which was to begin at  
2355 for this portion of the world, I  
have now, forever will have, NO COMMENT.

## RADIO CAIRO, UAR, Egypt

WRTH, 1969 listings (not listed in 1970 WRTH) for English:  
1315-1430, 17.920; 1730-1845, 17.655; 2015-2145, 21.465; 2145-2300, 9.475/12.005; 0200-0330, 9.475; with this last one confirmed by Edward C. Shaw.

## BOOKS FOR THE SWL

Mentioning Mr. Shaw reminded me to bring up a book which he brought to my attention, and which I find most useful: "Broadcasting Stations of The World." This comes in two volumes, Volumn I and Volumn II, naturally. Volumn I listed all the world stations by country and gave the frequencies that country used. Volumn II gives all the frequencies currently in use and all the stations that have ever used those frequencies. You'll notice I used the past tense for Volumn I, and this is because it is now out of print. Volumn II is the most useful for the DXer, however, so there is no great loss in this. The latest edition for these was 01 September 1969, so the time may be soon for a new printing, when the first volumn may be brought back. The price for the Volumn II is \$1.75, published by the Foreign Broadcast Information Service, and sold by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

## USSR, Reginal Stations

English language foreign services according to WRTH:  
Radio Station "Peace and Progress", Moscow, USSR; (note: WRTH just gives meter bands for these, the rest is up to us to locate, evidently.) 0000-0030, 41/31/25 meters; 1030-1100, 25/19/16/13 meters; 1430-1500, 41/25/19/16/13 meters; 1530-1600, 31/25/19/16 meters.  
Radio Vilnyus, Lithuania, USSR; 2230-2300. 41/31/25 meters.  
Radio Tashkent, Uzbek, USSR; 1200-1230, 1400-1430, 9.600/11.925.  
Radio Kiyev (Kiev), Ukraine, USSR; 1930-2000, 5.920/7.120\*; 2230-2300, 2.421 (?); 0030-0100, 7.130/7.200/9.610/9.660/9.760/11.850\*; and 0430-0500 probably the same as 0030.  
\* these frequencies supplied by Alvin Niblack, December "Flashsheet".

## RAI, RADIO ITALY, Rome

English: 0100-0120, 6.010/9.575; 0350-0410, 9.630/9.710/11.905; 0425-0440, 6.075/7.275; 1935-1955, 6.050/7.275/9.710; 2025-2045, 6.050/9.575/9.710; 2200-2225, 5.990/9.710/11.905. This from Italy via Angelo Coppola (AC)

## NHK, RADIO JAPAN, Tokyo

English, General Service: 0000, 9.735/15.195/17.785; 0100,0200,0300, 15.105/15.300/17.880; 0400,0500, 9.505/15.300/17.800; 0600, 9.505/17.855/17.880; 0700,0800,0900, 9.505/15.195/17.855; 1000,1100,1200,1300,1400,1500, 1600,1700,1800, 9.505/9.560/11.815; 1900,2000,2100, 9.560/11.815/15.105; 2200,2300, 9.735/15.195/17.785. These are all 15' English, followed by 15' Japanese, except 1000,1400 and 2300, where they are 30' each.

English, Reginal Services: 1745-1815, 7.195/9.670; 2345-0045, 15.445/17.825; 0130-0230, 15.235/17.725/17.825/21.640; 0800-0830, 17.825/21.535; 2030-2100, 9.735/11.950; 0930-1030, 11.875/15.235; 1045-1115, 9.675/11.875; 1630-1700, 9.670/11.705. (NHK direct)

## UNITED STATES OF AMERICA

KGEI, International Broadcast Station, Belmont, CA

English: Mn-Fr, 0430-0500, 15.245; St, 2330-2400, 15.240; Sn, 2330-0030, 15.240 also. (WRTH)

WINB, World Inter-National Broadcasters, Red Lion, PA

English: 1700-2000, 17.720; 2002-2200, 11.795. (WRTH)

GERMAN FEDERAL REPUBLIC, West Germany  
Bayerischer Rundfunk, Rundfunkplatz, GFR.

News in English, French, and German (duration not known, ed.) at 0800 on 6.085.

Deutschlandfunk, Lindenallee, GFR.  
English, 1745-1830 on 1.268 (MW) again, for those interested. (WRTH)

## Radio NEPAL, Katmandu

0120-0350, 7.105/11.970; 0720-0920 7.165; 1220-1550 7.165/11.970. (from QSL to Ralph Perry)

Languages used are Nepali, Newari, and English, with English news being at 0305 and 1500. (WRTH)

RADIO PAKISTAN, Karachi (W. Pakistan)  
 Supplement to news item last month;  
 Reginal, news in English: 0210-0220,  
 6.070/7.135/11.885/15.335; 0810-0815,  
 7.135/9.645/17.770/21.590; 1500-1515,  
 7.340/9.755/15.325/17.935.  
 External, English: 0030-0115,  
 11.672/15360; 0830-0845, 17.945/21.590;  
 0845-0930, 17.945/21.590 (part Eng.);  
 1045-1145, 9.560/11.672 (part Eng.);  
 1335-1350, 15.235/15/415/17.945/21.590;  
 1600-1645, 6.235/7.215 (part Eng.);  
 1845-1930, 9.465/11.672 (part Eng.);  
 1945-2030, 9.645 (misprint of above?)/  
 11.672. (WRTH)

PHILIPPINES, RADIO CONTROL OFFICE, Manila  
 Reginal news in English: 2145, 3.345/  
 6.030; 2300, 3.345/6.030; 0240, 6.030;  
 0600, 6.030.  
 External, English: (broken down);  
 0830, 15.300/17.810; 0900, 11.890/  
 17.810 ( $\frac{1}{2}$ ); 1145, 7.230/11.920/15.300;  
 1200, 7.230/11.920/15.300 ( $\frac{1}{2}$ ); 1245,  
 15.440; 1300, 11.920/15.440; 1530,  
 15.440; 2145, 11.920/17.810; 2200 &  
 2300 for  $\frac{3}{4}$ , 17.810; 2325, 11.855/  
 15.440; 2400, 11.855 ( $\frac{1}{2}$ ); 0100,  
 15.300/15.440/21.515; 0200, 0300, 0400 &  
 0500, 15.440/17.810/21.515. (WRTH)

ICRC, (RED CROSS), Geneva, Switzerland  
 Peacetime schedule for 1971:  
 7.210 at 0600-0700, 1130-1230, 1700-1800,  
 2300-2400 on these dates; January 25, 27,  
 29. March 22, 24, 26. May 17, 19, 21.  
 July 19, 21, 23. September 20, 22, 24.  
 November 22, 24, 26. Languages are  
 English, French, and Spanish, duration  
 of 18<sup>m</sup> each, preceded by a six minute  
 identification signal. If there is  
 not enough news items in Spanish, German  
 is often substituted. (AC)

RADIO PRAHA, Prague, Czechoslovakia  
 English schedule: 0100-0155,  
 5.930/7.345/9.540; 0300-0355, 9.630/  
 11.990; 0700-0755, 6.055/9.505/11.800/  
 15.310/21.690/21.700; 1400-1455 (Sn),  
 15.445/17.840/21.735; 1530-1625,  
 6.055/9.605/11.990/15.240/17.840/21.735;  
 1730-1825, 5.930/7.345/9.605/11.990/  
 15.240/17.840; 2000-2027, 5.930/7.345.

"The man who says it can't be done is  
 generally interrupted by someone doing  
 it."  
 Elbert Hubbard

RADIO BERLIN INTERNATIONAL, (RBI),  
 Berlin, German Democratic Republic  
 English: 0100, 0230, 5.955/  
 9.730; 0330, 5.955/6.080/6.165;  
 0615, 9.500; 0645, 21.465; 1200,  
 17.880/21.540; 1315, 21.475/21.600;  
 1330, 21.540; 1515, 11.975; 1815,  
 15.390/21.475; 2000, 11.810; 1730,  
 2015, 2200, 6.080/6.115/7.185/7.300/  
 9.730; 2300 without 7.3000.

RTG, RADIO TELEVISION GABONAISE,  
 Libreville  
 Mn-Fr, 0430-0700, 1030-1400, 1730  
 (1630 Th)-2200; St, 0430-0700, 1000-  
 2300; Sn, 0630-2200.

QRG are 1.554/3.300/4.777/7.270  
 (although, when used is not stated),  
 and the language must be French.  
 (from QSL to Ralph Perry)

ORTN, OFFICE DE RADIODIFFUSION  
 TELEVISION DU NIGER, Niamey  
 Mn-Fr, 0505-1330, 1500-2200;  
 St. 0505-1300, 1500-2300; Sn, 0800-  
 2200. QRG are 1.570/3.260/5.020/  
 7.155/9.705 (RP presumes that all are  
 used simultaneously, except 9.705,  
 which is additional for Sunday.)  
 Languages are French, English, and  
 vernaculars, with English news at  
 1715 on Wn/St acc. WRTH. (QSL to RP)

#### PREVENTIVE MAINTAINANCE

HyGain SW9 owners should notice  
 that the tubular antenna is held to  
 the base portion by being rivited  
 once to a solid cylinder bolted to  
 the brace, which in turn is screwed  
 to the house. This rivit method is  
 very weak, and, as in my case, a  
 strong wind can tear the antenna from  
 this cylinder. Rather than drilling  
 another hole(s) to bolt it back on,  
 which would still only be holding at  
 two points for each bolt used, I  
 purchased a small radiator hose clamp,  
 tightening it around the tube, which  
 holds it now to the cylinder with  
 equal pressure around (360 degrees)  
 the entire base, thus giving more  
 strength to the antenna. A smart owner  
 might consider doing this before it  
 becomes necessary.

"The harder I work the luckier I get."  
 Lee Trevino

SIBS, SOLOMON ISLANDS

(re November NR): 7.235 has replaced 7.115; 3.995 still parallel, (HM)

HAITI, 4VEH

(re December NR): The times given are local, which is GMT -5 hrs. (HM)

DATES FOR DX

JANUARY

01 - Cameroons Independence (1960)

01 - Sudan Independence (1956)

04 - Burma Independence (1948)

FEBRUARY

18 - Gambia Independence (1965)

18 - Nepal National Day (HM)

NEW CANADIAN STAMP - For CBC International

"Among the stamps to be issued in 1971 will be a special one with the theme "Speaking To The World" reflecting international cooperation. It will be issued to mark the inauguration of the first two of the new 250 kW transmitters for the Sackville plant. It will have a 15 cent value, which is a direct tie-in to our overseas mail to listeners. The Sackville project is expected to be completed in full during 1974-75 and will consist of five 250kW transmitters as well as the existing three 50 kW transmitters."

(Radio Canada SW Club Bulletin #37)

While we're involved with Canada, let's go over their new schedule.

RADIO CANADA INTERNATIONAL, (CBC)

External, English: 0715-0745 5.990/9.625/11.925/15.390/17.820; 0830-0930 5.970/9.630; 1217-1313 9.625/11.720/15.325; 1516-1522 17.820/15.325/21.595; 1832-1914 same; 2115-2152 9.610/11.720/15.325; 2300-2330 9.625/11.945/15.190;

Canadian Forces - Northern Service:

0558 5.990/9.625; 1100 15.325/17.820/9.625; 1631 15.325/17.820/21.525; 2045 9.610/11.720/15.325; 2200 11.720/9.625/15.190; 0100,0200,0300 5.970/9.625/11.720; 0400,0430,0500,0530 5.970/9.625; 0557 5.970; 0631 5.970/9.625. This is good to 06 March, 1971. (Sorry about the times being out of order.)

REPUBLIC HONDURAS, HRVC, La Voz

Evangelica, Tegucigalpa English: 1500-1700 4.820 and MW, 1.380. (JG)

RADIO BELIZE, BRITISH HONDURAS

Home Scene, English: 1200-1600, 1700-2200, 0030-0500, 3.300 and MW, .830, with 1 kW. (WRTH)

RADIO IRAQ, Baghdad

English: The last reported QRG for the 1930 program is 15.245 (announcing 9.610). This was for a QSL (report of Eng. to Europe), which was subsequently received by HM.

NOREA RADIO

Transmissions in Norwegian over: TWR, Monte Carlo, 1700-1730 9.575; TWR, Bonaire, St, 2145-2200 .800; Mn, 0515-0530 9.695; HCJB, Ecuador Mn, 0545-0600 6.130/9.645; Mn, 2045-2100 15.300/17.890/21.460;

reports to Grensen 19, Oslo 1, Norway. This came from Gregg A. Calkin, whose name was inadvertently omitted from the list below (which is done first).

No more space left, so - - - - - See you next month; write soon.

I have waited until the last possible minute to type this last page in case some real "hot" tip should happen to arrive in my mail, but there evidently is nothing of spectacular proportion to report, so I used what was here, and she's off too Mr. Shaw for publishing. My thanks to the following, who did not forget NewsRoom needs your help (that sounds like a real pitch, doesn't it?).

- AN = Alvin Niblack
- ES = Edward C. Shaw
- JG = John Gager

- AC = Angelo Coppola
- RP = Ralph Perry
- WRTH = assorted guesswork

"Kindness is the language the dumb can speak and the deaf can hear."  
Until next month, may all your news be good news.  
Hope the New Year is a happy one for all.....

QSL REPORT

Gregg A. Calkin, Editor  
131 Cooper Street, Apt. 903, Ottawa 4, Ontario  
CANADA

Deadline: 15th of the month

QSLs RECEIVED

This month your editor would draw your particular attention to the following QSLs: British Honduras (several), Gabon (several), the Galapagos Islands, Niger and from the Clandestine Radio España Independiente. Additionally, an interesting QSL has been received from Deutschlandfunk for a programme over Deutsche Welle.

AFGHANISTAN: Kabul, 3390, glossy multi-colored card by air in 10 wks. Full data. IRC. Have sent 5 rpts for 21605 in 2 yrs; until now all unanswered (Padula) 15265, card in 67 days; full data. 2 IRCs (Marshall)

ALBANIA: Radio Peking, Tirana relay, 4 cards, books, magazines and pamphlets + letter in 4 months (Smallshaw) Did they specify the relay site John? (Ed.)

ALGERIA: Algiers, nice yellow/black card in 12 wks sea for 1-IRC. Full data (Padula)

ANGOLA: Radio Clube do Huambo, 5060, attractive white card w/drawing of native drummer and African art work, plus name and multilingual veri statement. 17 days air for mint stamps (Berg)

Voz de Angola, 9660, colorful card of Luanda in 2 months for Portuguese report. Reply by seamaile, w/full data (Walenter)

ARGENTINA: RAE/9690, card seamaile in 3 months. 1-IRC (D. Weber)

ARMENIAN SSR: Erevan, card for 11890 in 2 months from Moscow, w/site indicated. (Glasberg) ditto in 28 days air (Grishin)

ASCENSION IS: BBC, 9510, card in 52 days seamaile. (Gager) 15260, w/site stamped on the reverse in red (Marks) stamped, Tony? or typed (Ed.) 15260, nice letter from P.R. Stebbings, Press/Administrative Officer, 2 months 5 weeks (Morgenstern) 3 months? (Ed.)

AUSTRALIA: RA, 30th Anniversary card in 2 months for 9560, 11710, 15150 (Anderson) 11880 1 month (Handler) 6055 and 11710, 2 Darwin cards in 296 days; full data, no IRCs (Scoville) 21740, 77 days (Marshall) 9580, 6 months; no IRCs (D. Weber) 3 wks (Kroll) 7 months (Marshall)

Brisbane, 9660, card in 50 days air for 3 IRCs (Magne)

Melbourne, 6160, blue map card in 5½ months for 2 IRCs (Kolb)

Perth, 9610, card w/map of Western Australia in 1½ months air (Glasberg) 5 months; no IRCs (Behr) 7½ months (Marshall) 58 days for 2 IRCs (Jones)

VNG, Lyndhurst, 4500, card in 12 days (Smallshaw)

AUSTRIA: Austrian Radio, 9770, card and sked by air in 39 days (Gager) 2 cards of Tirol and Vorarlberg in 6 wks air (Leger) long color mountain scene QSL; air in 18 days (Banta) 2 wks air (Leger) 11725, 4 wks air (Padula) 9690, 4 wks (Padula) 59 days (Marshall)

BELGIUM: CRU, 15335, card w/mailbag script in 5 wks air (Leger) 5 color map card; IRC (Carlson) 5 cards in 3 wks air (Leger) 17715, 40 days air (Marshall) 1 month air (D. Weber) 17780, 4 wks air (Padula) 4 months seamaile; no IRCs (Kalkstein)

BOTSWANA: Radio Botswana, 4845, antelope card, in 3 weeks/mentioned frequency (Sloan)

BOUGAINVILLE IS: R. Bougainville, 3322, folder, all details in 6 months air. No IRCs (R. Fisher) folder in 4 weeks via airmail (Kusalik) 2 months (McElwain) 4 months w/note saying they have 10 kW xmtr, but are using only 2 kW (Eby)

BRAZIL: R. Caraja de Anapolis, 2420, long letter signed by the Diretor Artistico, Velterli José. 2 months enclosing travel brochures on Anapolis (Sloan)

R. Cultura, Araraquara, 4915, letter in 21 days, signed pro Gerente (Sloan)

Brazil: Radio Feira de Santana, 4765, card, pennant & p/c in 21 days air. V/S: Sr. Ambrosio Bezerra Lobo (A. Martin) /Berg)

Radio Globo, Rio, color cd in 2 months for 6035. Rpted in Eng. w/2 IRCs (Glas-Radio Inconfidencia, 6000, Spanish letter w/English veri statement from V/S:

Ciamar Figueiredo Viera. 5 weeks seamail. Rpted in Spanish w/3 IRCs (Soneff, Lemna)

Radio Nacional, São Paulo, 6125, card stating date/time in 23 months w/out f/up from Renato José Assumpção Molinari, PY2DUK, who also enclosed his ham card made of Brazil wood. R/Nac. QSL is used also by R. Excelsior (Wood)

Radio Pioneira de Teresina, 4888, letter in  $3\frac{1}{2}$  months from the Diretor Artístico, Pedro Mendes Ribeiro (Sloan)

Radio Universitaria, São Jose dos Campos, 17725, English letter verifying rpt on their multilingual tests.  $2\frac{1}{2}$  months air for English rpt and IRC. V/S: Ronaldo M. Reina, Secretary (Berg)

BRITISH HONDURAS: Belize, 3300, buff colored card w/map of country, w/sked in 11 days.

1-IRC (Berg) 14 days air (Wackerman) 1 wk for mint stamps (Leger) 7 days for 3 IRCs (Smallshaw) 2 weeks (Eby) 2 weeks seamail (Kalkstein) On the other hand: rpted 1st in 1968, then 1969 w/2 IRCs and again in 1970 w/IRC. No QSL. Do they verify? (Kusalik) Yup!

BULGARIA: Sofia U card w/sked in 3 months (Kolb)  $2\frac{1}{2}$  mos (D. Weber) 16 wks for 9550, w/sked and personal letter (Padula) 2 months seamail (Grishin)

BYELORUSSIAN SSR: Minsk, 7330, card and letter from Mrs. Stepanova/Moscow (Morgenstern)

CAMEROUN: Garoua, 5010, green card in  $3\frac{1}{2}$  weeks air for French rpt and mint stamps (Berg)

Yaoundé, 2 map cards, one of world and one of Cameroun, w/all data in  $3\frac{1}{2}$  wks air for 2 IRCs (Eby)

CANADA: CHU, 7335, blue/white card in 11 days air for mint stamps (Brooks) 3333, card seamail in 20 days (Magne)

Radio Canada/Northern Sce, 9625, card in 20 days (Anderson)

Radio Canada/Int. Sce., 11935, card in 12 wks seamail (Padula) 3 wks (Grishin) Bluenose card in 3 wks (Leger) 21595, 25th Anniv. card in 3 months air (Coppola) new card w/Canadian map in 5 colors for 11945. V/S: Brian Townsley (Handler) 9625, 15 days (Banta) 19 days (Romanchik) 14 days (Romanchik) 3 weeks; no IRCs (Kalkstein)

CFCX, Montreal, 6005, card w/full data in 30 days for 1-IRC (Jones) 61 d (Watman)

CFRX, Toronto, 6070, card in 13 days from Clive Eastwood; 1st class (Watman)

CFVP, Calgary, 6030, black/white photo card of xmtr; 5 days (Estand) 9d (Kolb)

CHNX, Halifax, 6130, card in 1 month for mint stamps (Burnell) 21 d (Estand)

22 days (Wackerman) 30 days (Watman)

CJCX, Sydney, 6010, card in 8 days for 1-IRC (Watman)

CANARY IS: RNE/Tenerife, 11800, antenna card in 2 months for Spanish rpt (Walenter) 3 wks air (Taylor) 15365, 65 days for 3 IRCs (Jones)

CEYLON: Radio Ceylon, card, sked in 3 wks for rpt to Bombay (Hicks)  $1\frac{1}{2}$  months from Bombay w/sked (Brode) 17830, 14 days air, via Ad Agency in India (Kalkstein)

VOA/Colombo, 15285, card by air in 10 days. All info but time (Lobdell)

CHILE: Radio Minería, 9750, letter in English and Spanish w/veri statement and date only. 3 weeks air for Spanish rpt and mint stamps. V/S: Luis Hernan Videla Pacheco, Gerente (Berg)

Radio Pres. Balmaceda, 9590, white/blue card for English rpt and IRCs; in 10 days. (Lemna) 17 days for 2 IRCs, air (A. Martin)

CLANDESTINE: Radio España Independiente, 14482, glossy green card w/relief map of Spain and facial drawing, plus words "REI QSL". 24 days air for Spanish rpt and IRC. Mailed from Czechoslovakia (Berg) not France as heretofore? (Ed.)

COLOMBIA: Em. Nueva Granada, 6160, personal letter in 3 weeks from V/S: Jardany Suarez Ramirez for mint stamps; air w/pennant (Burnell)

La Voz de Caqueto, 5035, letter in  $3\frac{1}{2}$  months seamail. Pennant enclosed; from V/S: Ivan Escobar Ceballos, Gerente (Sloan) (Sparks)

La Voz de Maria, 4775, letter in 7 wks after f/up from: José Vicente Echeverri/R. Bucaramanga, 4845, Spanish letter in 2 wks for Spanish rpt, 2 IRCs (Lemna)

COLOMBIA: R. Colosal, 4945, letter in Spanish and pennant, by air in 120 days. V/S: Rafael Navarro, w/apology for delay (A. Martin)

R. Nacional, 4955, color card w/aerial view of Bogota. Frequency and date given; 4 wks air. IRC (Hurst) card in 1 month for Spanish rpt showing pic of City Hall in color (Handler) 1 month, p/p/card for Span rpt and 2 IRCs (Lemna)  $3\frac{1}{2}$  wks from Andres Pardo Tovar (Kalkstein)

R. Santa Fé, 4965, card in English, w/pennant in 2 months air (Hein) card in English of Banana Plantation, w/pennant in 2 months (Smallshaw)

CONGO (DEM REP): Kinshasa, 15245, form letter w/full details in French. V/S: V. Nikuna 1 month; IRCs; Rpted in French (Hurst)

CONGO (REP): ORTF, Brazzaville, 15190, brown/yellow folder in 3 months on 3rd rpt w/ 1-IRC (McElwain)

COSTA RICA: R. Atenea, San José, 6150, Spanish form letter on attractive stationary, + small pennant. 3 months air for Spanish rpt and 1-IRC (Berg)

CUBA: R. Havana, long card w/full data + contest info in 4 months air (J. Weber) 9525, card + copy of "Granma"; 1 yr and 3 months (Banta) postage/map card in 8 wks w/letter. Date given wrongly; (Kolb) 9525, 50 days air for 3 IRCs (Magne) 2 cards for  $1\frac{1}{2}$  yr old rpt and for recent one (Leger) stamp card in 1 year; no IRCs (Kalkstein)

V of Vietnam programme via Havana, 9525, full data QSL in b/w photo of girl leading American prisoner at gunpoint, plus p/card; 1 yr airmail from Cuba (Walenter)

CYPRUS: BBC, 15420, Thames card in 60 days, incomplete (Jones) 1 month air (Burnell)

CZECHOSLOVAKIA: Prague, cards of Lipno Dam and Snow Mountain for 9605 and 15365 in 2 mos (Hicks) 20 days, 3 cards (Handler) 28 days (Shepherd) 23 days (Banta) 3 wks (Kroll) 4 wks for new 21690 (Padula) 9630, 1 month (D. Weber) 25 days (Handler) 4 wks (Grishin) 2 cards in 2 months (Kalkstein) 4 cards in 3 months (Kalkstein)

DENMARK: Copenhagen, map card in 15 days for English rpt, w/letter saying they could not reply to non-Danish correspondence (McElwain) ! (Ed.)

DODECANESE IS: VOA/Rhodes, 11915, card in 11 days (Marshall) 9 days (Watman, Kalkstein)

DOM. REP: R. Comercial, 4880, letter from Johnny Diaz, Director in 1 wk (Taylor) letter, very friendly from Juan Nova Ramirez in 210 days (A. Martin) 5 wks from José A. Brea Peña, Administrador (Burnell)

ECUADOR: Canal Manabita, 4823, long personal letter from Lauro G. Fernandez G., in 4 wks registered w/superb stamps. Also p/cards of station and Portoviejo + attractive red/blue silk pennant. Said 1st rpt from Australia! Rpted in Spanish w/mints (Padula)

HCJB, card in  $1\frac{1}{2}$  months; V/S: Robert C. Moore (Handler) 21460, beautiful valley card in 2 months air (Lobdell) 15 wks (Banta) 21 dys (Jones) 49 & 109 days (Jones) 3 weeks (Kroll) 18 weeks (Padula) card of Ecuadorian Valley and religious info (Marshall)

Norea Radio (via HCJB), 5960, sent attractive multi-colored letter in English w/paper pennant & sked in 14 months from V/S: Sigbjorn Spikkeland, Technician, who apologized for delay and promised quicker replies in the future (Calkin)

Radio Quito, pennant and letter in Spanish but no QSL (Smallshaw)

EL SALVADOR: YSS, 9555 and travel guide/pennant in 3 weeks for 2 IRCs (Davidson) 5980, 3 weeks (Behr) 36 days for card, by air w/tourist brochure and pennant (Watman) 19 days w/pennant, by air for 2 IRCs (A. Martin) from the Director in 3 wks. IRC (Kalkstein)

ENGLAND: BBC, 9580, card in 5 months and in 54 days for 15200 (Marshall)

VOA/Woofferton, 7200, card in 1 month (Burnell) 16 days for 11915 (Watman)

R. Canada, 15300/9660, separate cards in 10 and 14 weeks resp. (Padula)

EQUATORIAL GUINEA: Santa Isabel, 6250, personal letter, cd, photo and stickers in 1 wk. Registered air reply w/full veri, acknowledging my tape. V/S: Conchita Nguema de Aba, Chief Secretary. 3 IRCs (Shaw)

ETHIOPIA: ETLF, 15400, blue cd w/full data + sked in 137 days (Jones) 3 wks (Brode) 18 weeks, but gave wrong frequency (Padula)

FINLAND: Helsinki, card of country map in 3 wks for 15185 (Hicks) 2 months (Kalkstein)

FRANCE: ORTF, 17720, orange photo card in 111 days, preceded by sked and large blue/white "France Inter" pennant (Jones) 21580, 4 months. Anyone noticed the pictures spell out "QSL" in CW? (Behr) 3 months (Leger) 11745; V/S: Ota Hajek (Padula) 141 days for 15295 (Watman) 3 months (McElwain) 4 months (Eby) 6 months air; 2 IRCs (Hein)  
FRENCH GUIANA: ORTF, Cayenne, 3385, letter in French; 2 wks for Fr. rpt (Lemna)

GABON: La Voix de la Renovation, 4777, sent slightly redesigned OCORA card, w/full data + sked, altho' no indication of the frequency used among those listed. 10 months air (Calkin) 8 wks for English rpt (Berg) 9 months; 2½ after f/up in Fr. (G. Fisher) 51 days (Schnabel) 4½ months w/my own card and theirs (Perry) 74 days for taped rpt in French, registered (Pappas) 9, 4 and 3 months air (Lobdell) 55 days (Magne)

GALAPAGOS IS: Voz de Galapagos, letter signed by Director, Fr. Carlos Uria Sandoval for 6254; w/pennant. 1 month (Sloan) excellent letter in erratic English, fine pennant air for English report and 2 IRCs (Sizer)

G.F.R. VOA/Munich, 21560, card in 6 days (Jones) 8 days (Kalkstein)

Deutschlandfunk, very beautiful card for '72 Olympics, w/full data in 17 days, for transmission over Deutsche Welle. Rpted w/out IRCs (Coppola)

SDR, Mühlacker, 6030, colorful card seamail in 10 months. Mint stamps (Lobdell)

DW, Köln, 11785, card in 87 days w/full data (Watman) 9765, 45 days (Watman)

R. Liberty, 15290, card specifying site in 10 days air; no IRCs (Padula)

G.D.R. RBI, card in 99 days for 1-IRC, w/pennant and 2 lbs of lit. (Davidson) 9730, 2½ months seamail (D. Weber)

GHANA: R. Ghana, 11850, card in 28 days w/full data and sked. 3 IRCs (J. Weber) 3 wks air w/sked (Banta) 2 months (Brode) card and form letter in 1 month (D. Weber) 1 month for 11850 kHz (Kroll) (Watman)

GREECE: VOA/Thessaloniki, 11760, card air in 11 days (Lobdell) 17 days (Jones) 20 d/

GUATEMALA: TGNA, 5955, card in 9 months (Morgenstern)

HAITI: 4VEH, 15280, card in 2 months (Hicks) white palm tree sketch card, 6 weeks sea (Walenter) 2 months from Mrs. Kent Ragsdale (D. Weber) 22 d (Kalkstein) 3 wks (Kroll) (Smallshaw) 55 days w/folder for 15280 kHz (Marshall)

HAWAII: WWVH, 10000, blue scenic cd; 6 days (Jones) folder QSL in 5 days (Kalkstein)

HONDURAS: HRVC, 4820, card in 17 days via air; request 2 IRCs for air reply (Coleman) 12 days for 3 IRCs (A. Martin) 36 days; 1 IRC (Watman) 2 wks de Jane Hutton (Kalkstein)

R. Suyapa, 6125, letter & pennant from Francisco Elortegui, Gerente (Sloan)

HUNGARY: Budapest, 6145, photo card stating wrong frequency; 9 wks seamail (Padula)

INDIA: AIR, Red Fort cd for 17380 in 9 wks (Padula) 17380? (Ed.) 11810, 28 d (Jones) 6 wks air for 11620 (Padula) 9912, 44 days by air (Watman)

INDONESIA: RRI, Manokwari, W. Irian, 6193, long friendly letter in English in 3 months by air, for 4 IRCs and a registered reception report (Berg)

IRAN: Teheran, card in 13½ months after registered f/up w/5 IRCs. Reply registered w/magazine and flag (G. Fisher) 9 wks for 3 IRCs (Morgenstern) 1 month, w/8 x 10 photos (Eby) of what? (Ed.) 4 x 10 long white card w/Ministry of Information-Radio Iran emblem in top left corner; also mimeo sheet w/regional stations/freqs. and 5 yr old Iran Today; 2 months for 3 IRCs (Kalkstein)

IRAQ: Baghdad, map card in 147 days for 3 IRCs. Trilingual verie stmnt (Michalenka)

ISRAEL: Kol Israel, Old Jerusalem card in 1 month air for IRC (Leger)

IVORY COAST: Abidjan, 4940, card by air in 510 days. 2 IRCs (A. Martin)

JAPAN: NHK, 9505, card in 2 months (Handler) 24 days w/pennant (Burnell) 6 wks (Leger) 2 months (R. Fisher) 55 days returning mint stamps (Brooks) 2 months (Kolb, Banta) 47 days; no IRCs (Romanchik) 58 days (Marshall) 61 days (Marshall) 2 mos sea (Kalkstein)

KENYA: VOK, aerogramme QSL for 4915; 21 months w/all details (Wood) 2 wks air (Padula) 480 days for 2 IRCs; (A. Martin)

- KOREA: Seoul, 15430, Temple card in 21 days; full data - (Scoville) 1 month (Leger) 6135 color card of Seoul, full data but wrong time (Padula) 1 1/2 months; no IRC (Kalkstein) 15945, folding card in 1 month air (Leger) 31 days (Watman) 8 wks (Soneff) 37 days w/mid-east map cd (Marshall) 1 1/2 months for 17752 (Hein) 1 3/4 mos (McElwain)
- LIBANON: Beirut, 17745, cd in 16 wks, via registered seammil (Padula) 11925, 79 days (Jones) 6 months for 11790 (Morgenstern)
- LIBERIA: ELWA, 15095, cd in 40 days seammil for 1-IRC. Full data veri (Watman) VOA, 15445, card in 15 days (Watman) 8 days seammil (Kalkstein)
- LITHUANIAN SSR: "Radio Vilnius", 15150, cd w/colored sketch of 3 women; no IRCs; full data (Watman) 15255, cd in 6 wks air (Padula) 15100, cd air direct in 7 wks (Padula) Kaunas, 11870, card in 2 months (Morgenstern)
- LUXEMBOURG: Radio Luxembourg, 6090, antenna cd in 31 days w/full data. IRC (Watman)
- MALAWI: MBC, Blantyre, 3380, letter w/full data + sked; 17 days airmail (Banta)
- MALAYSIA: BBC/FES, Thames cd w/xmtr site typed on reverse. 13 wks for 21590 (Padula)
- MALI: Bamako, card in French for 7110; English rpt w/3 IRCs (Padula) 9710, OCORA type cd, by air in 4 wks for 2 IRCs. Has all data, sked and friendly note - (Eby)
- MAURITANIA: Nouakchott, 4850, colorful cd in 2 months air for Fr. rpt/mint s. (Berg)
- MEXICO: Radio Mexico, 11720, letter & 3 records, 2 LPs + 1 45; registered in 50 days. (D. Weber) duplicated letter in Spanish; registered seammil in 8 1/2 mos (Padula) 6055, letter from Hector Gonzalez de la Barrera, Gerente General. Promised unsent gift (MORONACO: TWR, 7290, attractive photo cd of offices, in 2 wks air (Calkin) in /shall) 20 days for 11705 (Kalkstein) 11705, 14 days air for 1-IRC (Watman)
- MOROCCO: RTM, Rabat, tower/map card in 10 days sea for 1-IRC. Date only given (A. Martin) out of date folder QSL in 3 weeks seammil (Kalkstein) VOA/Tangier, 25880, card in 9 days air (Lobdell) 6 days (Watman) 8d (Kalkstein)
- NEPAL: Kathmandu, white card w/sked from K.B. Khatri for 11970. 9 months; 1 month after f/up. 3 IRCs sent originally (Perry)
- NETHERLANDS: RNL, b/w pic card, pennant and 2 skeds in 1 month; IRC (Davidson) 7210, 1 week for aerogramme rpt on Happy Station Pgm (Perry) Time Zone QSL in 1 wk w/full data (Banta) 7 days air; no IRCs (Grishin) 11845, 13 days air (Padula) 10 days air (Leger), IRCs not required for Radio Nederland (Ed.)
- NETHERLANDS ANTILLES: TWR, 11815, card w/pic of xmtr/generator; air in 13 days. 1-IRC (Wackerman) cd w/all data inside FDC air in 2 wks. (Padula) Note that TWR has been sending souvenir covers of the TWR commemoratives, but these are not FDCs unless cancelled/mailed on the first day (Ed.) 2 weeks air for 1-IRC (D. Weber) 7 wks (Padula) Radio Nederland, 11730, card by air in 7 days (Grishin)
- NEW BRITAIN: Rabaul, 3385, pic folder w/map of New Guinea; 4 wks airmail (Kusalik)
- NEW CALEDONIA: Nouméa, white cd in 2 mos; rpted in Fr. w/3 IRCs (Glasberg) 5 wks (Hurst) 21 days (Soneff) 4 wks air for English rpt (Kusalik) 1 month (Brode) 75 days (Kalkstein) 40 days for mint stamps (Hein) thank-you cd in French, 3 wks air for 9505 test (Padula)
- NEW GUINEA: R. Wewak, 3335, folder in 1 month air; returned my tape (Shaw) network folded in blue/black w/area map/photos; complete veri data in 1 month (Patterson)
- NEW ZEALAND: RNZ, orange/blue/grey globe card, map and Kiwi-pin; 100 days (Davidson) card in 4 months (Banta) 3 months (Patterson) 180 days (Kalkstein) 4 months (Hein)
- NICARAGUA: Radio Nacional, personal letter in 19 days from V/S: Sr. Tacho Sanchez Diaz, Director Artistico. Letter in Spanish, plus p/p/card of two volcanoes (Michalenka)
- NIGER: Radio Niamey, 9702, black/white card w/green African continent card and red blow up of Niger - great looking! full details in 2 months w/sked; printed in French (Perry)
- NIGERIA: NBC/Enugu, 6035, card from Lagos stating "Enugu site"; 3 weeks air (Calkin) NBC/Lagos, plain white card in 2 months air; full data for 3 IRCs (Walenter) VON/Lagos, 15200, green/white card + sked and brochure, by air in 4 wks w/all details (Padula) cd for Ikorodu in 18 days; no IRCs (Jones) 3986, 20 days (Magne) card in 3 wks for 15365; IRCs returned (Morgenstern) RTK/Kaduna, 9570, green/grey card in 1 month airmail. 3 IRCs (Calkin)

NORWAY: Radio Norway, 21730, b/w photo cd in 2 wks air, w/small flag of Norway; 2 IRC (Walenter)  $3\frac{1}{2}$  months w/full data (Berg) 4 months (Marks) Kon-Tiki card in 3 wks; air (Leger) 20 d w/sked (Banta) 1 month w/beautiful ce (Leger) 3 wks (Padula, Morgenstern)

PAKISTAN: Karachi, 9465, card + duplicated letter from Nihal Ahmed, Dir. Listener Research; 24 wks; no IRCs (Padula) 4 months (Behr)

Rawalpindi, 5010, green star card in 70 days for 2 IRCs (A. Martin)

Dacca, 11650, white-green cd w/site marked on front; 4 months (Behr)

PAPUA: Port Moresby, 4890, cd in  $1\frac{1}{2}$  months (Handler) 17 days (Wackerman) 51 days; 2 IRCs (Jones) 55 days (Magne) 25 days for 2 IRCs (Hein) 1 month air (Kalkstein)

PERU: R. El Sol de los Andes, 3230, letter + p/cd in 2 months, V/S: Sergio Davila U, Director (Sloan)

R. Santa Rosa, 6045, letter from P. Francisco Villena C., O.P., Dir (R. Fisher)

PHILIPPINES: R. Veritas, 11830, light blue/white cd w/full data + personal letter. 11 wks, w/sked and returning IRCs (Berg) 17 d from V/S: Jesus S. Torres (A. Martin)

SEARV, 9740, red/white/blue card in 13 weeks air for 1-IRC (Berg)

FEBC, "lightning" flash cd for 15370 test; sea in 10 wks. No IRC (Padula)

POLAND: Warsaw, 15275, full data map card in 2 mos air (S. Kamp)  $2\frac{1}{2}$  months (Brode) card from K. Gocman w/letter in 3 wks air; stating frequency incorrectly (Padula)

PORTUGAL: RFE, blue/white card specifying meter band only (Glasberg)

R. Portugal, 6025, card in 10 days w/multi-colored pennant (Handler) 34 d, world map card (Brooks) 11935, 3 weeks (Kroll) 15125, card in 3 weeks air (Grishin)

R. Safari program, 21495, card in 3 months from S.A. No IRCs sent (Coppola)

ROMANIA: Bucharest, 11940, Histria Ruins card in 53 days. No IRCs. Full data (Jones)

R.S.F.S.R.: Komsomolsk, card, 17790, 28 days (Sizer) 17865,  $1\frac{1}{2}$  months via Moscow (Kagey)

Irkutsk, 11905, card in 1 month via Mrs. Stepanova at R. Moscow (Sparks)

Krasnoyarsk, 11835, card in 1 month (Sparks)

Blagovschensk, 15170. card in 1 month (Sparks)

Tula, 7240, card in 1 month via Moscow (Sparks)

Kazan, 17705, card in 1 month via Moscow (Sparks)

Vologda, 15350, card in 1 month via Moscow, specifying site (Sparks)

Ryazan, 9720, card in 3 weeks via Moscow, w/site (Sparks)

Sverdlovsk, 7310, card in 3 weeks (Sparks)

Nikolaevsk-na-Amure, 9735, card from Moscow w/site stated (Kolb)

RID Time Signal, 15004, letter confirming reception from Radio Moscow, who also said that the station is "subordinated to the Ministry of Communications" in 3 months air (Hein) RID is located in Irkutsk (Ed.)

"Radio Moscow program", 9600, 1 month (Handler) 5 cards in 3 wks air, w/sked + personal letter (Leger) 7295 + 7300 in 6 + 8 wks (Padula) 1 month; 11900 (Grishin)

Radio Peace & Progress, 15350, plain yellow card for 1 month (Kolb)

RYUKYU IS: VOA/Okinawa, card from Washington in 8 days (Kalkstein)

SARAWAK: RMS, studio card in 1 month air from the Controller of Radio; IRC (Hein)

SAUDI ARABIA: Djeddah, card from Munich in 2 wks (Brode) 2 months for 2 IRCs; (Behr)

SEYCHELLES: FEBA, white/blue card in 1 month for 15185/2 kW. (Behr) 25 days air from V/S: Brenda Bacon. Also personal letter (A. Martin)

SICILY: Caltanissetta A, 6060, card in  $2\frac{1}{2}$  months air, w/site confirmation; 2 IRC (Haines)

SIERRA LEONE: Freetown, 3316, p/p/card air in 35 days. (Magne)

SINGAPORE: Radio Singapura, 11940, white card w/veri statement, but no QSL data. 3 months seemail for 1-IRC (Berg)

SOLOMON IS: Honiara, 3995, card in 3 months air, plus pamphlet on the islands. (Haines) 7235, card seemail in 10 weeks (Padula)

SOMALI REPUBLIC: Radio Mogadiscio, 6097.5 kHz, card w/station crest in black: 11 months

SPAIN: RNE, card w/studio pix (Soneff) 6140, 9 days (Banta) 6 wks (Taylor) 9d! (Padula)  
SUDAN: Omdurman, 9505, form letter stating date only in 4 months (Behr)  
SWEDEN: Radio Sweden, 11825, Northern Lights card in 2 weeks airmail (Grishin)  
SWITZERLAND: SBC, prettiest QSL ever, the river at Lucerne; 1 month; no IRC (Kalkstein)  
SYRIA: Damascus, 15165, white card of Asia and Africa; 3 months after registered f/up w/3 IRCs. Over 1 yr total (Glasberg) 15165, 1½ months after f/up w/3 IRCs from V/S: Atieh El-Joudeh (Lobdell)

TAHITI: Papeete, 11825, mermaid card + sked in 29 days airmail, w/full data for Fr. report w/IRC (Taylor) 3 weeks for English report and 3 IRCs (Kusalik)  
THAILAND: NBS, Bangkok, 11905, card in 2 wks air listing old 11910; no IRCs (Padula) 4830, yellow card in 18 days air for 2 IRCs, w/sked (A. Martin)  
TOGO: Lomé, map card w/complete veri data + sked on reverse. 2 months sea (Kalkstein)  
TUNISIA: Tunis, 11900, pic/card in 3 weeks for English rpt and 2 IRCs (Kusalik)  
TURKEY: Voice of Turkey, 15160, card in 3 months for 1-IRC. Full QSL data (D. Weber) 4 months for 3 IRCs (Kroll)  
TURKMEN SSR: Radio Moscow, Ashkhabad, 15180, brown/white/red card w/site in 3 wks (Eby)

UGANDA: R. Uganda, Kampala, 5026, nice letter w/full data in veri statement, except time. 13 days air for taped rpt + 3 IRCs. V/S: H.F. Humphreys, C.E. (Berg)  
UKRAINIAN SSR: "Radio Kiev" programme, card, sked, newspaper and rpt forms in 1 month, air (Leger) 11730, 25 days air; no IRCs (Wackerman)  
U.A.R. Cairo, card in 3 months sea (Leger) 9475, 162 days, w/books and magazines in 2 months for mint stamps (Smallshaw)  
U.S.A. KGEI, 15280, card w/full data + pennant in 80 days air (Watman) 45 days, card for 15240 kHz (Romanchik)

VOA/Greenville, 15205, card, surface mail in 6 weeks. No IRCs (Grishin)  
 VOA/Delano, card in 8 days (Kalkstein)  
 VOA/Dixon, card in 8 days (Kalkstein)  
 Solar Eclipse Survey, b/w card of the eclipse and of chromospheric spectrum from V/A: Dr. David D. Meisel (Hicks) 2 cards in 168 days; for CBC on 15325 (Scoville)  
 UN Radio, card in 1 wk. Does this count as USA or UN? (Smallshaw) for country purposes, the UN has no status. It would be the USA if the xmtr was a US relay (Ed.)  
 WINB, small printed card, w/sked in 1 month (Leger) 11795, 10 days (Watman)  
 WNYW, 17760, card w/complete veri data in 11 days, 1st class mail (Watman)  
USBEK SSR: Moscow sent card for Tashkent, 15350 (S. Kamp) 11925, air in 58 days direct (Marshall) 50 days air w/2 p/cards for 11970. IRC sent (Watman)

VATICAN: VR, thank-you type card for 15255; 12 days air showing the towers (Padula)  
VENEZUELA: Radio Barquisimeto, 4990, card in 21 days seamail w/out time. Rpted in English (Calkin) 2½ weeks for Spanish report and 2 IRCs (Kalkstein)  
 Radio Bolivar, 4772, sent beautiful card w/color drawing of lake scene. Is a Christmas card w/frequencies and thank-you statement printed; 1 month air (Calkin)  
 Radio Juventud, 4900, card in 19 days air for Spanish rpt + IRC (Watman)  
 Radio Lara, 4800, green/red globe network card; 1 month air (Lobdell) 21 d, 2 IRCs sent; gives date and frequency only (Lyon)  
 Radio Litoral, 5055, letter, p/p/card, window stickers from Gustavo Amaya Diaz. Air registered in 1 month (Dexter)  
 Radio Nacional, 9640, card in 2 mos for mint stamps, registered (Loustau) 2 months registered airmail; 3 IRCs (Soneff) 6170, 28 days; rpted in English (Kolb)  
 R. Rumbos, 4970, card of Caracas in 4½ wks (Carlson) 4 wks (Berg) 6 wks (Soneff) (Hurst)  
WEST BERLIN: RIAS, 6005, glossy b/w card w/literature. 43 days, returning IRC (Michalenska/)

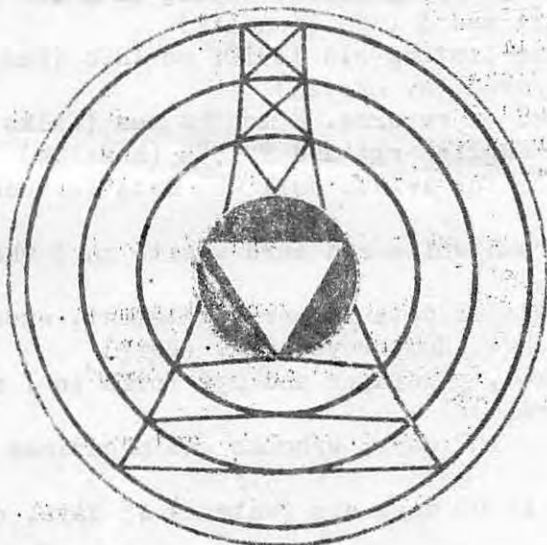
W.I.B.S., large card in 4 mos (R. Fisher) 107 days sea (Watman) 4 months for IRC (Berg) 105 days for 1-IRC (Jones) 1 month (Behr) 144 days for 1-IRC (Jones)

ZAMBIA: Lusaka, 3346, card air in 16 days from John Allerton, CE saying my details conformed with their records (Sizer) 3346, white card from Allerton (McElwain)

THE QSL GALLERY

presents

**O E Y 2 1**



AUSTRIAN ARMY-  
TRAINING TRANSMITTER

**SCHULUNGSENDER  
DES  
ÖSTERREICHISCHEN  
BUNDESHEERES**

**A1100 Wien**

Gußriegelstraße 45

This month, we are very pleased to be able to present one of Europe's rarest stations, Schulungssender Des Österreichischer Bundesherres, the Austrian Army Training Station (Broadcast) in Vienna. The station transmits Mon-Friday only, on 6255 kHz with programmes in German at 1100-1230 and 1630-1900 GMT. Unfortunately neither time permits North American reception. One of the most interesting programmes of this station is a daily series of Morse Code lessons, given in German. Tnx to Edwin Sloan (Eire) for this QSL. And thanks also to the following who made this month's column possible:

- |                        |                         |                      |
|------------------------|-------------------------|----------------------|
| Richard Anderson, Ill. | Edward Kusalik, Ontario | D. Romanchik, Mo.    |
| John Banta, New York   | John Gager, Indiana     | Geo Schnabel, N. Y.  |
| Ernest Behr, Ontario   | Irwin Glasberg, P.Q.    | L. Scoville, N. Y.   |
| Jerry Berg, Mass.      | Ivan Grishin, Ont.      | Edward Shaw, Va.     |
| Bob Brode, Calif.      | Bruce Haines, Col.      | Prentiss Shepherd/NY |
| Chris Brooks, Col.     | Steven Handler, Ill.    | Alvin Sizer, Conn.   |
| Jean Burnell, P. Q.    | Dan Henderson, Md.      | Edwin Sloan, Eire    |
| Gregg A. Calkin, Ont.  | Bill Hein, Calif.       | J. Smallshaw, Wisc.  |
| Don Carlson, Penna.    | Terry Hicks, Fla.       | John Soneff, La.     |
| Bill Coleman, N. C.    | Mark Hogarth, N.Y.      | Wm. S. Sparks, Cal.  |
| Angelo Coppola, Italy  | James Hurst, Md.        | Peter Taylor, Ont.   |
| Bob Davidson, Ohio     | Thomas E. Jones, Minn   | Chas. Wackerman, Md. |
| Gerry Dexter, Wisc.    | H. Price Kagey, Cal.    | John Walenter, Ill.  |
| Tom A. Eby, Ill.       | Harold Kalkstein, Pa.   | Michael Watman, N.H. |
| Bob Estand, Texas      | Steve Kamp, Calif.      | D. J. Weber, Ohio    |
| G. H. Fisher, Col.     | John L. Kolb, Calif.    | Jim Weber, Calif.    |
| R. Fisher, Calif.      | Allan Kroll, Michigan   | Richard E. Wood, La. |
|                        | John M. Leger, Ky.      |                      |
|                        | Kris Lemna, Indiana     |                      |
|                        | Chris Lobdell, Mass     |                      |
|                        | Richard Loustau, Ca     |                      |
|                        | Ken Lyon, New York      |                      |
|                        | Larry Magne, Penna.     |                      |
|                        | Anthony Marks, Ore.     |                      |
|                        | Mrs.M. Marshall/ND.     |                      |
|                        | A.E. Martin, U.K.       |                      |
|                        | Ed McElwain, Colo.      |                      |
|                        | Hank Michalenka, RI     |                      |
|                        | Geo Morgenstern/Mi.     |                      |
|                        | Bob Padula, Aust.       |                      |
|                        | Andrew Pappas, Ill      |                      |
|                        | C. Patterson, Ga.       |                      |
|                        | Ralph Perry, Ill.       |                      |

Until next month, Best 73's and don't forget to report your QSLs, GREGG.

## NASWA LOG REPORT

Dan Ferguson - Editor  
 P. O. Box 8443  
 Coral Gables, Florida 33124  
 \* \* \* \* \*  
 Monthly deadline is the 15th

Tel: (305) 284-5714

\* \* \* \* \*

All reports should be here by the 15th of the month. Typed reports should have one blank line between each item. Please use only one side of the paper, put your name on each sheet, list items by frequency in either order, with frequency listed first. Please state the make and model number of your receiver, and the accuracy of your frequency calibrations, if known (not just manufacturer's specs, please).

Special thanks to those of you who have been putting your name or initials after each item. This helps a great deal.

- 3200 UNID Mexico XERET? Radio --, ID after mx, 123- past 1245, P.O.Box #5(TDS)likely a mw harmonic or spur(DF)
- 3202 THAILAND Educ. Bcst. Stn of Thailand, s/on 1100, M&W ancrs, Eng & Thai. Long tlks & local mx; sometimes IS mx starts 1050; peaks 1120-1135. (FEH)
- 3205.6 INDONESIA RRI Bandung 1045-1145 thru ute & CW activity, almost seems jammed, but not likely. Mostly local mx; seems nx 1100(FEH)1213 past 1306 w/male voice in Indonesian, many songs, both Western & some Oriental types(JY)
- 3213.5 DOM REP R. Libertad again active; noted 0030, often past 0400 w/mx, mx, ads. Fgy varies to 3215. Has IDs in Eng, Sp, Fr, Port, Creole(ECS; JDT, JTS)Ads & nx after 1030(FEH)
- 3230 FIJI Suva 0758 past 1030 w/Eng anmts, IDs, US semi-pops, S.Sea tunes((EK, JY)
- 3230T PERU R.El Sol suspected; weak w/pops & Andean flute mx(ECS)
- 3255 VENEZ LV del Tigre 0700 fiesta mx, late pgm, ID & 0718 s/off(BS)
- 3284 FIJI Suva in native lang, as strong as 3230, but usually covered by RTTY; 0756 past 0923; seems like a mx:cast 0800(JY)
- 3295a VENEZ R.Trujillo w/ID 1042; LA mx; strong(BBr)
- 3305 PAPUA R.Daru 0844 past 0954; seems all native lang(JY)
- 3308 ECUADOR Ondas Quevedas 0715-0732 w/LA mx, Sp; on late, 10 Nov(DW)
- 3315 MARTINIQUE ORTF at 1000 s/on, past 1025 w/Fr, mx, steel drums(RWP) (JY)
- 3320 N.KOREA Pyongyang 1250 past 1340 Korean; orch. mx in kind of an Oriental style/
- 3322 BOUGAINVILLE IS RB 0753 past 0846 w/S.Sea mx; het from an LA stn by 0900(JY) 1140 CW mx, weak ID 1215; then wx & sea rpts(ECS)My list shows this raised to 10 kw(DF)
- 3335 N.GUINEA R.Wewak strong usually 0745 past 0930; Eng; CW mx; Eng nx 0900(JY)
- 3339 ZANZIBAR RT Zanzibar 0340 Call to Prayer; weak even w/preselector. Lost in 10 min. This skip about 2 weeks behind Mid-West opening(DDH)
- 3346 INDONESIA RRI Pontianak 0914 Indon(JY)Chants 1516, guitar IS & off 1600(DW)
- 3346 ZAMBIA Lusaka 0305 EE tlk, f/o 0310; f/i 0333 past 0415; EE devotional 0357; fair copy(DDH) Eng nx, pops, vernacular, after 0330(AVS)
- 3355 N.CALEDONIA Noumea 0755 pop dance mx, Fr anmts, //7170; nitely runs past 0945; a variety of mx; S.SEA; US; France; maybe even Australia(JY)
- 3358 GUATEMALA LV Nahualá still teaching w/Quiché 0017, lessons; fine sig lately(DDH)
- 3366 GHANA Accra w/HS 2215; listed 10 kw; well hrd(ECS)
- 3380 MALAWI MBC w/drums, up from under Chortis 3 Dec. YL s/on w/Eng, lang; over Chortis till 0317 fast fade; not hrd since(DDH)
- 3380 GUATEMALA R.Chortis, Jocatan, has gone com'l, joined nat'l net. "Musica Romantica" ads, to 0505A s/off w/full ID, incl "Rdif Nac...R.Chortis, Jocatan, Guat." Poss new tx or antenna. Not known if still teaching earlier.(DDH)
- 3375 INDIA AIR Gauhati listed, Indian mx & anmts in lang. Eng AIR ID 1445, could have been Eng nx; weak & rapid fade; 1435-1450(DW)

- 3385 FR.GULIANA "Ici Cayenne, RTVF" closing anmts by W; "LM" & IS following at 0105, on a Saturday; not too bad lvl, but QRM Sp spkr(ARN)
- 3385 N.BRITAIN R.Rabaul 0752 past 0922; usually under R.Barcelona; native lang or Pidgin; native, US & S.Sea mx(JY)
- 3407 DOM.REP. R.Clarin 0228-0312 t/o w/pops, mostly Tom Jones; ID 0300(JDT)
- 3730 IRAN (QTH?-DF) Strong in Farsi 0245; Iranian mx; much QRM from AROs(AVS)
- 3883T CAPE VERDE IS R.C.Cabo Verde; 2227 weak choral singing, PP(ECS)
- 3970 CAMEROON R.Buea 0500 Fr mx despite AROs(AVS)
- 3975 ENGLAND BBC begin Russ 0500(AVS)
- 3985 SWITZ SBC strong w/Ger tlk by YL 2200(AVS)
- 3985 ECUADOR Escuelas Radiofonicas Populares, 1115-1140 Andean mx, good lvl, then mx. (I lost the credit on this one, but I think it is (BBR).)
- 3995T ECUADOR LV del Rio Tarqui 1040 tropical (not Andean) mx; TCs agree w/Ec(BBR)
- 3995 SOLOMON IS SIBS w/BBC mx 0905, island mx 0945; semi-pops(BBR, JY)
- 4110 CHINA Urunchi(list) s/on 1100, all verses of "Internationale"(AVS)
- 4273 N.KOREA Pyongyang in Korean 1055 weakly in Korean(AVS)
- 4380 CHINA Fukien(list) M&W in Chinese 1118; fair(AVS)
- 4485 RSFSR(As) Petropavlovsk w/US type dance mx 1145-1200; pips on hr, //7210(TDS)
- 4500 AUSTRALIA VNG, Lyndhurst; 1200(TDS)
- 4698 ECUADOR R.Progreso 0225-0315 s/off; quavering Andean mx by YLs; Sp mx, IDs about every 10-15 minutes; badly muffled; QSB, QRN, QRM de CW stn(DDH, JTS)
- 4763 PERU R.Inca w/dance mx & frequent IDs; 0700 s/off(BS)
- 4765.5 ECUADOR R.Tropicana, Guayaquil; 0505 w/mx, Sp ads & many IDs, past 0700; "CRE" here to 0500 s/off; carrier stays on. Same tx & address(ESB)0700 & 1044-1100(DW)
- 4770 LIBERIA ELWA EE mx & ID 0700(EM)
- 4772 VENEZ R.Bolivar carrying R.Rumbos mx pgm 0330-0400 s/o ff(GAC)
- 4775T AFGHANISTAN Kabul; 2340, no ID hrd(AEM)
- 4775 COLOMBIA EM.Kennedy/LV de Maria 0347 tune to 0404\*; some rel material & may have used some Eng, too. Too much RTTY to be sure(GLD)
- 4777 GABON RTVG w/Fr ancr; Fr, Afr, Eng songs 0456-0550, fading(Soneff)
- 4785 AZERBAIJAN Baku w/setting up exercises, good 0315(AVS)
- 4795 USSR Ulan Use(listed) 1500 time pips, RM HS ID; Russ songs; heavy RTTY(BS)
- 4820 UNID Carrier on 0605 t/i; IS on stringed instr. 0625, man ancr in Afr lang.0630; chanting 0632 past 0645; good lvl; gone at 0810 recheck(GLD)
- 4820 HONDURAS HRVC 0445 EE mx pgm(DS)
- 4820T INDIA AIR Calcutta; 1505-1530 Indian mx, larg; YL ancr 1509, lang ID 1515(DW)
- 4823 N.VIETNAM Hanoi w/YL in Viet 1210, good(AVS)
- 4825 TURKMEN SSR? Ashkhabad? strong in HS 0525, Russ(SK)Likely Khabarovsk, see the 60 meter survey, this issue of FRENDX.(DF)
- 4828 RHODESIA RBC is back here from 3306; s/off 2010; Eng on 5012 same time(BP)
- 4832 COSTA RICA R.Capital 0515 to 0600 s/off(ESB)
- 4835 SARAWAK RMS 1200-1220 tlk, bad QRM(TDS) lang?(DF)
- 4840T ANGOLA R.Cl. do Cuanza Sul w/US pops from 2154 tune. Lost shortly after 2250(GLD)
- 4840 VENEZ R.Valera w/mx & TCs; 0230 tune/in(GAC)
- 4845T BOTSWANA RE w/weak drum mx thru super RTTY 0415(RWP)
- 4845 HONDURAS R.San Isidro w/quiet type mx 0345; fair lvl(GLD)
- 4850 MAURIT RM s/on 0700, chants, Afr mx; Fr & vernacular anmts(RWP)0730 local guitar mx(BS)Chants 0715(EM)AA mx 2203, FF mx 2212, chants to 2232\* 7 Dec(ESB) AA mx & mx 2340(AEM) Runs late which days?(DF)
- 4860 VENEZ R.Maracaibo, YVEQ, mx & mx to 0358 anthem & s/off(GAC)
- 4865 AZORES Ponta Delgada nitely 2237 w/ Fado or other classical mx to 2300(ECS)
- 4870 MAURITIUS MBC here some days, ex usual 4050; Eng requests 1830; s/off w/anthem 1840(BP) Is this ever audible WCNA in AMs?(DF)
- 4872 W.IRIAN Sorong 1145 Indonesian pops, first time noted(AVS)
- 4885 COLOMBIA Ondas del Nieta back here from 49 m. fiesta mx & lots of IDs; usual s/off is 0500. Calls, different from those listed WRTH, seem to be HJEK onda larga & HJEQ onda corta(BS)Several IDs 0616-0625, on late 8/12(DW)0400 Sp mx(JTS)LA mx & Sp tlk 0505, 8/12(JDT)

- 4890 PAFUA ABC 0900 nx, wx, "Contact", mx show 0930(BC)
- 4900 INDONESIA RRI-Gorontalo w/Indon tlk by YL, local ID 1404, nx?, IDs, Indo pops. This seems to be the best time for the local pgm(DW)
- 4910 GUINEA Conakry 0500, 24/11 w/march mx; supposed to have been 24 hrs during the invasion(GLD) (DF)
- 4910 DOM.REP. R.HIN; 2251 past 2310 w/mx & ads; fair(DJB)So, still active, see survey/
- 4915 GHANA GBC w/EE tlk on UN 2130(EM)
- 4930 DOM.REP. R.Mil; f/i around 2130 w/US & LA pops, coke ads, improving(DJB)
- 4934 KENYA VoK; tlk & mx 2130; poor(RFB) Lang?(DF)
- 4935 MOZAMBIQUE Believe Beira, A Voz do Mozambique, to 1900 s/off; strong lately(BP)
- 4940 IVORY COAST Abidjan 2309 Afr mx, French; good sig(JDT)
- 4940 VENEZ R.Yaracuy, YVPA; mx & TCs to 0400 s/off(GAC, DJB)
- 4980 GHANA Ejura 2150 Eng rel pgm, 2215 "Back to the Bible"; good(DJB)
- 4994 SUDAN Omdurman 2128 chant, Arabic tlk 2130(DJB)0450 local mx, M&W in AA(JDT)
- 4995 BRAZIL R.Brasil Central; mx pgm w/applause 0836(EM)
- 5015 RSFSR(Eur( Archangelsk listed; Russ tlk 0350(AVS)t/i 0421 w/IS, M&W tlk(GLD)
- 5015 RSFSR(AS) Vladivostok; ID 1000, mx, mx(BBr)1212 mx(TDS)1309 class. mx(JDT)
- 5015 GRENADA WIBS w/EE nx 2345 after pop mx; extended sked?(JML)Why the many questions on this in the past few months? Has run to 0000 for well over a year.(DF)
- 5018 COLOMBIA Unid RCN stn 0500 past 0600 w/mx, tlk; anc only "RCN de Col." or "R.Sucesos RCN"; ment. R.Pacifico, Cali, once; but no definite ID(ESB)
- 5020 COLOMBIA Trans. Caldas 0700 w/ads; 0900 cmtry; also 0100(RWP) ID definite on this? see 5018 above. The Venezuelan stn, R.Carora, has been strong lately(DF)
- 5024 ECUADOR R.Splendit w/pop mx & ID at 0400 s/off w/no anthem(BS)to 0403\*(GLD)
- 5030 VENEZ R.Continente, YVTK, OC, anthem, s/on ID & mx; pgm; good lvl from 0900(GAC) Fine sig w/baseball 0529, mentioned R.Capital, Costa Rica(DDH)
- 5032.5 ANGOLA "Aqui R.Cl. de Cabinda...Angola" from 2215 to 2304A s/off, tho some-times f/o earlier. M anc, lite mx, pops, PP, closes w/AP; list 1 kw. 60 meter Angolans now good(ARN)flute mx 2230(RWP)mx & PP to s/off 2300 w/AP(GLD)
- 5035 C.AFR.REP. Bangui 2200 FF ID, Afr mx to 2302\*(ESB)
- 5040 ECUADOR R.Centinela del Sur 0040 past 0210 w/Andean mx, bad het(DDH)0414 ID and "musica magnifico"(GLD)
- 5040 VENEZ R.Maturin w/pop records & ID 0250(BS)
- 5040 BURMA BBS 1525 EE, national & Eur classical mx(RWF)
- 5045 BOLIVIA R.Altiplano is back on air; pops & ID 0500(BS)
- 5045 P.GUINEA Bissau s/on 0700 w/AP, clear ID; Afr mx, ohants(SK, BS, GAC, RWP)
- 5047 TOGO Lomé 0527-0629 Fr anc; Fr & Eng mx(JTS)
- 5050 TANZANIA RT; Afr mx to 2000 s/off; fair sig(RFB)
- 5060 ANGOLA R.Cl. Huambo; 2200 peaks at fair lvl; usual pops, M in PP(ARN)
- 5085 INDONESIA RRI-Medan; male chanting, Indon. nx 1550; off 1600(AEM)
- 5870 N.KOREA Pyongyang in Korean; fair 1110(AVS)
- 5930 USSR UNID stn in Russian 0820-0845 fade; Archangelsk?(BBr) Likely(DF)
- 5950 NICARAGUA R.Zelaya showed w/lite mx, pops; ID 0000 by m., in Sp; usual low modulation(ARN)
- 5960 ANGOLA A Voz de Angola s/on PP 0002 w/AP & ID, mx(EK)What time are you using? Usual s/on for this is 0500 GMT which would be 0000 EST. Pse use GMT when rptng.
- 5970 PERU R.El Sol w/Andean mx, good at 1040(AVS)5969, typical LA fare, ID 0030(ARN)
- 5973 ENGLAND BBC LA Svc here, maybe avoiding the mess on 5970. Stronger than 6110; wonder if this is Ascension(DDH)List Skelton & Rampisham, depending on time, which you didn't give(DF)
- 5980 GREENLAND Grønlands Radio; 1013 IS, 1015 s/on, lang anmts, into old mx(RWP)
- 5980 SIERRA LEONE RSL here from 5 Dec; 0600-0900 f/o w/same ads as SABC; BBC mx 0700; Afr & pop mx, increased pwr?(EM)0600-0800, IDs, TCs, nx, mx(BBr)
- 5985 ARGENTINA R.Splendid w/LA mx; ID 0030, some ads, mix WNYW(DW)
- 5995 PORTUGAL DW from 2300 Mali s/off to 2345\*. Pops. Not sure of lang. FF?(BBr)
- 6010 CANADA CJCX, Sydney, mx 0955(EK)
- 6020 MEXICO Eco de Sotavento; 1245 mx, 1300 Sp ID; exc sigs(ESB)

- 6030 CANADA CFVP, Calgary; fast fade; nx item 1000(AVS)
- 6035 USSR s/on 2130 w/new Soviet IS; have hrd 11 different ISs from USSR RM Svcs(ECS)
- 6035 RSFSR(As) Vladivostok list w/Russ orch mx; exc 1335, //6080, 6115, 6190,6200(BBr)
- 6037 COSTA RICA TIFC 0304 Sp rel cmtry; rel mx past 0327(JY)0215-0300 EE rel (WMM)
- 6040T TRUCIAL COAST Saut as Sahil, 1400 AA chants & short tlks; f/o 1430; clear sig; also hrd last November(ESB) (BBr)
- 6050 MOZAMBIQUE RCM 0415-0500 rock mx; ads, EE & Afrik. anmts; fair/good lvl, het /
- 6060 SICILY RAI Caltanissetta; Italian pgm to 2236\* w/anthem; not to 2300(ESB)
- 6070 VENEZ R.San Sebastian over CFRX w/ID(time?-DF). WRTH address seems wrong; correct WRTH SS 69; Apt. 338, San Cristobal, Tac; not San Sebastian, Tac.(GAC)
- 6076 HONDURAS LV del Junco at fine lvl prior to abrupt 0010\*, under HJCT(ARN)
- 6082 HONDURAS R.America w/ads, etc, 2345-0000, in Sp(ARN)
- 6085 W.GERMANY Bayerischer RF, Ger pops, anmts 2020. R.Ned not this fqy till 2130; don't confuse w/Tallinn, also here this time(BP)
- 6085 INDIA VUM, Madras; 1330 Indian mx, Vividh Bharati pgm, strong(ESB)
- 6090 CAMBODIA Phnon Penh at 1446 w/Fr, cl mx, well past 1500(RWF)
- 6090 LUXEMBOURG RL International from 2100-0100s/off w/pops, EE nx on hr(ECS,DJB,GAC, RSH,BC)From 0400 w/Ger rel pgm, past 0600 w/Ger nx(JDT,ESB,WMM)
- 6090 UNID(tent.Egypt) 0350 Moslem Call to Prayer; AA by m, then either Big Ben or Cairo Univ. clock; possibly BBC AA Svc, but Aza'an makes me wonder(DDH)
- 6095 COLOMBIA LV del Centro at 0330 w/pops & ID(BS)
- 6100 VENEZ Naval Time Stn 0625(RWF)
- 6110 HUNGARY RB s/on Ger to Eur 2000, Ital. 2015; mix a USSR HS stn. BBC app off this time(BP)
- 6137 TAHITI R.Tahiti 0740, Fr songs & ID, poor modulation(BS)
- 6140 ECUADOR R.Vision de Manta; 0645 pop mx & ID(BS)
- 6155 JAPAN FEN 0930 EE(JG)
- 6165 BRAZIL R.Cultura, São Paulo; futebol 0030(AVS)
- 6165 E.GERMANY R.Budapest relay via RBI, 0100 EE, 0130SS, 0230 Hung., 0300EE to 0325. carrier stays on; 0330 continues w/RBI EE px. RB pgm sounds like off-air rly(ESB)
- 6170 MOROCCO RTVM, orch 2255, ID 2300, AA nx; mx, chants, flute, etc to 0000\*(RWP)
- 6195 TUNISIA Tunis w/very readable sig, tho QRM BBC; 0531 chants(RWP)
- 6253 UNID w/rel svc; M&W preachers & choral singing 2259, lost 2333(AEM)
- 6255 CHINA RP here 2200 w/SS, often here; don't confuse Galápagos(ECS)
- 6257 GALAPAGOS IS LV de G.; mx; ID & anthem 0455\*, 10 Nov(ESB)
- 6538 N.KOREA Pyongyang w/ EE political cmtry 0815, strong(BS)
- 7110 DODECANESE IS VOA Rhodes 0525-0600\* AA; EE lesson 0540; QRM BBC 7105(BBr)
- 7125 GUINEA Conakry after 0600; mx; FF; mx & cmtry alternating every 30 sec.(RWP)
- 7145 PORTUGAL RFE w/"5 stn Mx Pgm" 0000-0200 Sun; Eng & other langs. Is //7190,7245, 9595, others(ESB)
- 7150 S.AFRICA SABC w/mx; anmts in EE & Afrik; good 2200(RB)
- 7155 JORDAN Amman; 0556-0630 AA mx; tlks; ARO QRM(JTS)
- 7165 OKINAWA VOA w/local ID at 1058 s/on(GAC)
- 7175 RSFSR(As) QTH? RM EE pgm 0331 //9540/9580/15180/17775; new since Dec(ESB)
- 7180 W.GERMANY DW 2030 AA to 2100\*; new fqy.(ESB)
- 7215T BRUNEI RB w/Chinese to 1000, Malay-type ID, then Arabic(?)(ECS)
- 7225T KUWAIT RK 2000 AA chants, 2100 under Bucharest. No ID hrd(ESB)
- 7235 PORTUGAL DW Sines s/on.1958, Hung. 2000; NF ex: 7150(ESB)
- 7235 SOLOMON IS SIBS 1035 drama, mx; ABC mx: 1100, mx to close 1129; in Eng(BBr, JD T)
- 7260 UNID in Dec issue - SS pgm & Rooster IS sounds like Santa Isabel, but 0400 time does not agree. Pgm time extended 12, 13 Oct, Indep. Day. What day hrd?(ESB)
- 7265 W.GERMANY Sidwestfunk 0500 Ger na, mx; clear one day(ESB)
- 7290 MONACO TWR w/EE "Back to the Bible" pgm Sat 0730(EM)
- 7305 CLANDESTINE Believed V.of Malayan Rev; 1125 in Malay(AVS)
- 7325 RSFSR(As) Orsha listed; Russ pgm 1125(AVS) (ESB)
- 9451v CLANDESTINE R.Port.Livre; PP pgm 2320-2350\* w/anthem; varies 9449-9452, //11510/
- 9490 CHINA(Tibet?) Good lvl 1100 indicates Peking in Chinese rather than Lhasa; Russ. (Baku?) also on channel, Chinese dominant after 1100(AVS)

- drifting(BS)0800 thru till 1100 s/off, //670MW & 7170(BP)
- 9505T SUDAN SBS w/AA mx: 2130-2230; QRM BBC 9510(EM)
- 9520 PERU R.La Cronica w/mx, tlk 1155(TDS)
- 9530A GREECE VOA Thessaloniki w/EE ID 1500; poor(RFB)
- 9535 E.GERMANY RBI end AA to NW Afr 2230; NF ex 5955; mix SBC(BP)
- 9535 SARAWAK? RMS w/EE nx: 1230(TDS)My list shows RMS s/off0800. AIR sked 1200-1300(DF)
- 9539.5 N.KOREA Pyongyang w/Chinese 2200-2249\*, //6540; both strong(ESB)
- 9570 NIGERIA RTV Kaduna w/EE nx 0530-0540, lang ads, EE TC(ARN)Afr vocals, EE armts 0710(BP)
- 9580 RSFSR(As) Moscow EE to NA 0330(SK)Blagoveshchensk(DF)
- 9585 W.GERMANY DW at exc lvl w/Russ, pop mx: 1835, NF ex 9610(BP)
- 9585 FINLAND Pori 0200 EE, 0230 Finnish to 0301 s/off, to NA(ESB) (BP)
- 9590 KUWAIT RK w/EE tlk 1715 to Eur, mixed Bucharest to 1725, then clear, ex 11845 /
- 9600 UZBEK SSR Tashkent w/EE nx & cmtry 1400(ACM)
- 9610 NORWAY RN w/Nor nx 1305 to Japan, mix ABC Perth, NF ex 17825(BP)
- 9620 S.VIETNAM Saigon w/Viet 1130, thru QRM(AVS)
- 9620 PORTUGAL DW rly 0345-0515\* w/Rum., Bulg., Serbo. NF(ESB)Begin Czech 0330; ex 9585, which was ex 9665(BP)
- 9630 PHILIPPINES VOA Tinang s/on lang 1400; poor(SH)
- 9640 KUWAIT RK w/EE nx 1830; NF(BP)
- 9645 NORWAY RN 0410 mx: request pgm; cmtry in Nor. EE IDs(DS)
- 9650 BYELORUSSIAN SSR Minsk w/Moscow EE to NA 2300(DJB)
- 9650 GUINEA Conakry past 0400 //7125 during invasion(ARN)Past 0515(ESB)App 24 hrs(DF)
- 9660 VENEZ R.Rumbos 1115 mx(DJB)0959 ID, nx(JG)
- 9670 SAUDI ARABIA Djeddah 2200 AA & chants, //15150(ESB)
- 9680 MONACO TWR s/on 0902, Ger 0905, mixed local VLH9(BP)
- 9715 SWEDEN RS w/Swedish nx to FE1305, NF ex 15270(BP)
- 9720 ECUADOR HCJB end Ger to SA 1100, NF ex 9600(BP)
- 9720 RSFSR(Eur) Riazan w/Moscow EE 1245(TDS)
- 9730 ETHIOPIA ETLF w/EE nx 0400-0410(TDS)
- 9760 ARGENTINA LRY 0130 "SIECA" pgm; mx, IDs(ESB)
- 9770 AUSTRIA Vienna s/off 0350(TDS)
- 9770 HAITI R.4VEH 1126 w/"Light & Life Hour"(JG)
- 9805 EGYPT Cairo 2248-2300 test to Eur(SH)
- 9815 EGYPT Cairo 2145 EE & FF test to Eur(HM)
- 9912 INDIA AIR 2357-0100\* in langs, EE ID 0025(EM)
- 10000 ARGENTINA LOL, CW & voice TC 0000(TDS) (ECS)
- 10075 N.VIETNAM Clandestine Nat'l United Front(Cambodia) s/on 2330, seemed //10045 /  
On 10080 s/on 1130, //10045(GAC)
- 10530 KAZAKH SSR Alma Ata 0300 after cl mx had IS, then 6 bongs, Moscow nx(HM)
- 11510 CLANDESTINE R.Port. Livre from 2320 in Portuguese; poor lvl(GLD)
- 11620 INDIA AIR 2052 EE in GOS; mx 2100, Indian mx past 2125(DJB)
- 11652 E.PAKISTAN Dacca weak 1544 past 1600. What is QTH of 11672?(RWP)Karachi(DF)
- 11690 RSFSR(As) This is established Petropavlovsk fqy, also hrd w/RR pgms & local IDs, but unused to NA since Dec. Erevan listing in WRTH is wrong(ESB,HM)See Dec LR(DF)
- 11695 CLANDESTINE Peyk-y-Iran at exc lvl 1810 s/off, after giving Swedish address(GAC)
- 11705 LEBANON Beirut s/off 2028 after FF to Afr; NF ex 17715(BP)
- 11705 W.PAKISTAN Islamabad at 0311 tune w/vhanting, "R.Pak" ID 0327; off 0330(GLD)
- 11710 LEBANON Beirut EE nx to Afr; NF ex 15350; good 1830(HK)
- 11710 INDIA AIR(QTH?) 2145 snake charming mx; EE IDs on 1/2hr till 2230\*(ECS)
- 11740 VATICAN CITY VR \*1500-1515\* EE rel nx by YL(TEJ)
- 11745 ECUADOR HCJB EE rel pgm 2330-0000(MEM)EE rel pgm 0240(SH)
- 11749.5 EGYPT Cairo AA pgm to 0244\*, QRM BBC; varies to 11745(ESB)
- 11755 ARGENTINA R.El Mundo 0210 pop mx, tlk 0215(JDT)
- 11765 ETHIOPIA ETLF 0345-0400 Malagasy pgm; NF ex 11795(BP)
- 11780 MOZAMBIQUE RCM 0415 EE & pop mx(EM)0444 rock mx, ads(SK)0420-0500 EE & Afrik. pop mx, rock mx, ads aimed at Johannesburg audience(BBr)

- 11780 SWEDEN RS 1830 Swedish, QRM BEC; 1900 EE to ME(ESB)  
 11780 LEBANON Beirut w/EE to NA 0230; nx & mx; NF ex 11890(ACM, BP)  
 11785 RWANDA DW Kigali 1930 EE ID, nx; poor(RSH)  
 11810 INDIA AIR Delhi 1435 EE & lang; old US pops(RWF)  
 11825 UNID stn w/all mx: pgm 0130-0250 s/off; daily w/pop, CW, some Hawaiian mx; but never any ID. Maybe Tahiti, but WRTH says s/on 0300(ESB)Believe WRTH wrong(DF)  
 11825 BRAZIL R.Jornal do Comercio 0210 PP anmt, ads, mx(HM)  
 11825 KUWAIT RK s/on 1600 EE, to Eur; NF(ARN, ESB)  
 11825 TAIWAN VOFC s/on 2200 w/chimes, anthem, into Chinese; is now in clear since RFE vacated this spot(BP)  
 11835 URUGUAY R.El Espectador w/pop mx: & nx 0000; 4 note chime for IS(AEM)  
 11840 JAPAN NHK s/on 1200 FF to Asia; NF ex 11780; mixed VOA(BP)  
 11845 KUWAIT RK 2018 US pops, 2030 EE IDs(DJB)  
 11850 MALAYSIA BBC FES w/EE at good lvl 0045 s/off(AVS)  
 11850 INDIA AIR Delhi s/on 1215 w/multi lang ID, into lang(ECS)EE Home nx: 0250(BP)  
 11850 GHANA R.GHANA 2029 ID, local mx, EE armts(JG)2015 EE "Viewpoint": good but QRM de Kuwait. Ejura?(DJB) Yes(DF)  
 11865 BRAZIL R.Cl Paranaense 0250-0304 ID, mx, splash from 11875 at times(JTS)In Port to 0428 s/off(TDS)  
 11880 AUSTRALIA RA Shepparton s/on 0645 EE to UK/Eur; NF ex: 11710; beamed 128°, long route over S.Polar region. Used 15350 for a while, then up to 21680, //11880; 13 meters beamed across Asia(BP) Since moved again, see 11960  
 11880 ARGENTINA R.Splendid 0230 sports, clear 6 Dec when XEHH was off(ESB)  
 11900 TUNISIA RT w/AA mx: 2210-2230; AA nx, obants, off after anthem 2332(EM)  
 11905 THAILAND NBS w/clock striking, anthem, chimes 0930; then Thai mx: for Forces in Asia. Slight move from usual 11910(BP)  
 11905 ITALY RAI 3050 EE to FE to 0415; fair lvl(DS) (BP)  
 11910 USSR Moscow Mongolian svc s/on 0915, clear of QRM no w that Bangkok on 11905  
 11910 ETHIOPIA ETLF 1900-1945 EE rel svc & tlks(EM, RSH)  
 11920 IVORY COAST Abidjan w/Afr mx 2045(DJB)2120 FF IDs(EM)  
 11920 ROMANIA Bucharest s/on 1700, Farsi to Iran; NF ex: 17730(BP)  
 11920 SEYCHELLES FEBA 0300 EE rel pgm; clear sig, but adjacent channel QRM(RSH)This is a FEBC, Manila, fqy; but FEBC does not use the channel at this time. If FEBA remains here, it should provide some members with a reasonable opportunity to log Seychelles.(DF)  
 11925 SPAIN RNE EE 0100; poor due QRM from Brazil; //6130 was clear(ESB)0120 EE, much improved from 9760(BBr)0115(SH)0345 end EE to NA; fair here(BP)  
 11930 SWEDEN RS 1600 EE, 1630 Swedish to 1658, to ME; NF ex 15240(ESB, BP)  
 11935 S.AFRICA SABC w/ads & mx: 1430(TDS)  
 11935 PORTUGAL R.Portugal end EE 0430(SH) see 11940(DF)  
 11940 KUWAIT RK 1432-1503 t/o w/chants, AA mx, ID 1500(JDT)  
 11940 PORTUGAL R.Port end EE to NA 0430; now here, still anncs 11935(B)  
 11950 LIBERIA ELWA 0630 rel pgm to 0655; then ID, TC, BBC nx; ancd //90 meters(ECS) ID 0557, s/on BBC nx: 0600(EM)  
 11950 PHILIPPINES V.of Philippines w/ID & TC 0945, then Mediterranean mx: //9580(BP)  
 11950 BRAZIL R.Min.Educ. 0225-0235 PP tlks, classical mx(JTS)  
 11955 MALAYSIA BBC FES 1807 EE nx, off 1818(SH)  
 11960 AUSTRALIA RA Shepparton s/on EE to Eur/UK 0645, ex 11810 ex 11710, //21680(BP)  
 11965 BRAZIL R.Record w/futebol scores & mx 2325(AEM)No ID hrd; PP & mx: 0000-0301\*(ESB)  
 11970 NEPAL R.Nepal 0118 IS, 0120 local mx; fade 0150; path exactly over N.Pole(ESB) s/on 0120, into Nepali mx: & tlk; Havana now gone(AVS)  
 12030 N.VIETNAM Hanoi, NF; EE nx: 1000, //10044, strong(BP)  
 12177 IRAN Teheran 2005-2030 mx, RTTY(WMM)  
 15105 BRAZIL R.Rural 2130-2200 mx, ID 2140(JTS)  
 15115 GRENADA WEBS relay BBC WS nx: 2000, requests 2010(BP)Ex 21690(BP)  
 15155 ETHIOPIA ETLF begin FF 0445, NF ex 15145(BP)  
 15170 LIBERIA ELWA 2000-2006 t/o w/IS, Fr prayer, EE rel songs(JTS)

- 15175 PHILIPPINES VOA Tinang begin Indonesian tlk 2230(JML)  
 15184 BRAZIL R.Inconfidencia w/ID 0130, down in fqy; all PP(ARN)0100 PP pgm different from 6000 kHz; both // from 0140(ESB)  
 15185 NIGERIA VoN w/EE cntry 0612; recent NF(BP)  
 15195 RSFSR(As) Irkutsk w/chimes & pip 0300, QRM Peking(TDS)  
 15200 NIGERIA VoN 1540-1640 mx, Nigerian mx, EE press review(TEJ)  
 15240 SWEDEN RS w/Swedish nx to S.Asia 1435; NF ex 17840(BP)  
 15246 BRAZIL R.Marajoara 0130 sports(ESB)Futebol 0150(AVS)  
 15250 S.AFRICA R.RSA w/EE to UK 1813(ARN)2325 IS & mx:(SH)  
 15265 AFGHANISTAN Kabul 1800 EE mx & mx(RFB)  
 15270 HAITI 4VWI w/EE 0000-0204\*; buries Cuba on same fqy; ancs only 350 watts(ESB) 1313-1330 EE request pgm(SH)  
 15273,5 URUGUAY SODRE 0200 sports, faded 0230; weak & rarely hrd(ESB)  
 15280 N.ZEALAND RNZ 0300-0352 t/o w/Irish & US songs(JTS)  
 15355 NETH ANT TWR end Ger to SA 1029, anncd mailbag address in Argentina(BP)  
 15425 AUSTRALIA Perth 2315 EE nx, vx, mx; gone by 0200(RE)  
 15425 ETHIOPIA ETLF ID & FF nx 1900(RFB)  
 15430 S.KOREA VOFK 0300-0330 EE nx, local mx, travelog(MEM)  
 15435 TANZANIA RT w/EE nx 1800; has EE & various vernacular segments 1800-1945. Afr mx; QR M at times from VOA 15430 & WNYW 15440(RFB, BP, BBr)  
 15785 PORT.GUINEA Em.da Guine Port.; 1800 Afr mx, lang, 1900 gong, PP ID, nx. S/off 0101 w/anthem. 20 Nov, 2 days before the invasion of Guinea.(ESB)  
 16150 N.KOREA Pyongyang 0300 Japanese to 0350 abrupt s/off during pgm; NF(ESB)  
 17700 BELGIUM RTB s/on 1800 FF nx, ex 17705, //17745, 15230.(BP)  
 17710 RUMANIA R.Eucharest s/on EE to Eur 1300, NF ex 11940, //15250 is ex 15430(BP)  
 17715 AUSTRALIA RA 2245 mx, EE nx(RE)  
 17735 CUBA RHC w/Sp anmts 1159, tlk; recent NF(BP)  
 17755 ECUADOR HCJB w/Ger to Eur 2015, NF ex 17760 ex 17850(BP Ger 2000, Swedish 2030, 2100 Sp; //15300, 21460(ESB)  
 17760 AUSTRALIA RA - tx site unknown - special fqy for Test Match bests, 0100-0800, //21605, also new for this svc(BP)  
 17825 W.GERMANY DW s/on 1315, into Mandarin; NF ex 17875  
 17835 PORTUGAL RFE in Slovak 1105, fair sig(AVS)  
 17840 KIRGHIZ SSR Frunze listed, Indonesian to S.Asia 1155(AVS)  
 17855 BELGIUM RTB FF nx 1805, NF ex listed 17860, // 17745(BP)  
 17865 BELGIUM RTB w/FF pops 0655; FF anmts; NF ex 17860(BP)  
 17870 AUSTRIA Vienna 1600 Ger pgm; varies to 17869(ESB)  
 17875 W.GERMANY DW s/on Ger to SEA 1300; NF ex 17845(BP)  
 17895 ECUADOR HCJB on another NF, ex 17755, 17760, 17850, 17780! Scandanavian 2030; Sp to Eur 2100, 4 Dec(BP) see 17900  
 17900 ECUADOR HCJB Swedish 2030, Sp 2100; making a lot of moves(ESB) see 17895  
 21545 GHANA R.Ghana 1645 w/lang, EE ID 1657, then Hausa(ECS)1510 Afr mx:(TEJ)  
 21555 BELGIUM RTB s/on 1230; drums, into FF; NF ex 21695(BP)  
 21585 SWEDEN RS w/Swedish nx to NA 1430; NF ex 15315(BP)  
 21605 W.GERMANY DW s/on 1430 w/IS, AA svc; NF ex 21540(BP)  
 2;625 VATICAN Special fqy 28 Nov w/Italian rpt of Pope's visit; 1330-1350\*; //21715 also hrd(BP)  
 21680 AUSTRALIA RA Shepparton w/EE to UK/Eur 0715; ex 15330(BP)  
 21680 AZERBAIDJAN SSR (?) Eng svc to UK. AVS says Baku would be no good for this fqy to UK. So, what QTH?(HM) I would agree, Baku unlikely this fqy to UK, but I have no listings here for this one.(DF)  
 21685 E.PAKISTAN Dacca 1515 local lang & mx by YL(TEJ)  
 21685 KUWAIT RK 1525 AA & AA mx:(ECS)  
 21725 POLAND Warsaw s/on 1130, into Arabic, off 1158; new svc & believed first time for Poland in 13 meter band(BP)  
 23860 PHILIPPINES VOA, 2:11930; Chinese 0045(BP)  
 25730 NORWAY Norwegian mx at s/on 1100(BP)

- 26000 USA VOA Bethany, 1600 Russ on LSB, from 1830 Fr on USB; both s/off 2100.  
Another SSB tx from Gvl on 25800, from 1600 Ger, 1630 Arabic. Is such operation authorized in the broadcast bands?(ESB)
- 26015 ENGLAND EBX; Viet 1140, NF, noted one nite only, //25750(BP)
- 26492 ENGLAND BBC SSB feeder; Jap to FES 1110; moves nitely(BP)
- 26600 ENGLAND BBC feeding Indonesian 1030(EP)
- 29656 CHINA Harmonic, 3x9855; s/off 0055 w/"Internationale"(BP)

CREDITS

- ACM Anthony C. Marks, OR
- AEM A.E. Martin, England
- ARN Al Niblack, Ind. SX100
- AVS Al Sizer, Conn., HQ-180A
- BBr Bob Brode, CA, SB-310
- BC Bill Coleman, NC, DX150A
- BP Bob Padula, Australia, CR100
- BS Bill Sparks, CA, R-4B
- DDH Del Hirst, Texas, HQ 100
- DF Dan Ferguson, Fla, SB-310
- DJB D.Jean Burnell, Quebec  
Eddystone 840C
- DS Donald Schied, PA, HQ145A
- DW Dave Williams, OR, SX122,75S-3C
- ECS Ed Shaw, VA, SX-130
- EK Edward Kusalik, Ont., HQ129X
- EM Ed McElwain, Colo, Zenith
- ESB Ernest Behr, Ont, NC-400
- FEH F.Earle Hall, MA, HQ-180A
- GAC Gregg Calkin, Ont., SW-4A
- GLD Gerry Dexter, Wis, HQ-180,R4B
- HK Harold Kalkstein, PA,
- HM Henry Michalenka, RI, GR-54
- JDT John Tuchscherer, Wis, HQ100A
- JG Johnie Gager, Idaho, NC-173
- JML John Leger, KY, S-120A
- JTS John Soneff, LA, HQ180
- JY Jim Young, CA, HQ100AC
- MEM Mildred E. Marshall, ND, SX122
- RB Ron Bruns, MO, DX150A
- RFB Robert F.Bruce, Scotland  
Eddystone 940
- RSH Dick Heggs, BC, SB-310
- RWF Robert Fisher, CA. rcvr?
- RWP Ralph Perry, Ill, S-85
- SH Steven Handler, Ill, HQ200
- SK Steve Kamp, CA, HQ140X
- TDS T. D. Smith, Texas,
- TEJ, Minn, SW4A
- WMM Martyn Madéley, Ill, Zenith

We place no limit on the number of items to be used from each reporter each month. However, those who submit long lists of items every month are asked to make sure the items they submit are newsworthy/useful to other members. All reports are welcome and are used, but reports containing large numbers of items on the large, hi-power, international bdcsters, and no news-worthy items on those, cannot be used in their entirety. (DF)

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60 METER SURVEY

Elsewhere in this issue of FRENDX you will find a survey of the active stations in the 60 meter band. This survey is the result of a great deal of work by numerous NASWA members. It indicates primarily those stations which are potentially audible in North America, though it should also be of use to those in other parts of the world.

Those who would like a double-spaced copy of the survey can obtain one from your Log Report editor at the usual address:

Dan Ferguson  
P.O. Box 8443  
Coral Gables, Fla. 33124  
U.S.A.

Price for the double spaced copy is \$1.00 post paid in Canada/USA. Elsewhere, the price is US \$1.20 or 9 IRCs. For airmail out of North America, the additional charge is US \$0.80, or 6 IRCs. Please, no IRCs from those in North America.

Comments, and corrections, on the survey will be noted in this section.

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SOVIET TIME PIPS

It has long been maintained that the 6-note time signal noted from USSR transmitters was simply a time signal, but did not indicate the time, either in the local studio, or in Moscow.

However, Dave Williams has noted an 8 note IS on 4395, Yakutsk; and 3 pips on the Soviet stn on 4825. Does this indicate a change in time pip policy?

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There have been several comments to the effect that the low frequency bands, 60 & 90 meters, have not been producing well so far this DX season. Opening seem to have been rather short, and far between. The tone of the comments received here seems to have changed in the past 10 days, so maybe it will be a HAPPY NEW YEAR. Dan

CQDX CQDX CQDX CQDX

CQDX CQDX CQDX CQDX

FLASHSHEET

FLASHSHEET

Last Minute News / TipsLast Minute News / TipsDEADLINE 21ST OF MONTH

COMPILED BY A. R. "AL" NIBLACK

420 SHELBY ST., VINCENNES, IND. 47591

Freq: in KCS

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TIME: GMT

Hank Bennett, Shortwave Editor of NNRC, informs us that the NEW PRESIDENT OF THE NEWARK NEWS RADIO CLUB IS GENE VONDEREMBSE, of Astoria, L. I. He is an active broadcast personality and is well known in those circles.

AFGHANISTAN Asian station on 4775, 1320 tuning, following with music and lost after a few minutes is thought Kabul. (John Tuchscherer, Wisc.) (Vy probably, Editor)

ANGOLA A Voz de Angola, 9660, noted in Portuguese with cms, 0630. (Dr. Richard E. Wood,

ARGENTINA 9690M Radio Nacional observed with English cmtry, ID 0310. Strong sig./La.) nal, initial logging on this fqy. (Richard Heggs, Canada)...9760M LRX, Emisoras Comerciales de Argentina (Cm Svc) has suddenly opened on this fqy where is heard with two gongs at breaks, tangoes; 0245-0300, 12/18. Excellent lvl. (Al Niblack, Ind.)

AUSTRALIA RA changes to Great Britain, Asia, 0645-0915, on new 15330, 11960, effective 11/28. (August Balbi, Calif.)...An interesting afternoon opening of RA's is on 15220 with ABC Vietnamese Svc, S/on at 2130. (Dr. Richard E. Wood)...Regarding REW's query in Nov. FS, RA on 17795 is QRM'd de Peking at 0100. (Ernie Behr, Canada)

BELGIUM Brussels S/on 1800 with news in French on new 17700; and, 17865, 15350. (August Balbi)

BRAZIL 11965 A Brazilian heard here 0232, with pop English mx, cms, so on. (Richard

BURMA Rangoon currently regularly loggable around 1100, 5040. (Kris Lemna, Ind./Heggs)

CHINA 9589 REW's Chinese stn in Dec. FS is the, "Voice of Malayan Revolution"; 2245 Chinese, 2320 Malay. Heard regularly since Dec. 1969. Also, from 1145 in Chinese and Malay on 7305, 9589. (Ernie Behr)

CEYLON 11835 VOA Relay, Colombo, heard several times at 0059 with IS and ID. (John

FINLAND 9585 OIK2 to NA, English 0200-0230, language to 0300 S/off; de-/Tuchscherer) lete 15185 at 2300. (August Balbi)

GRENADA 11975 WIBS heard at 0000 with talk, Christmas music. (Richard Heggs)

GUINEA(R) 9650 R. Difusion Nacional heard with fair S-5 sigs. ID was a revolutionary march song with ID, 0430 as, "Ici la voix de Revolution", by M. (Larry Zamora, Texas) ...Conakry, 9650, noted with English talk, 0800, then into French. (August Balbi)

HONDURAS(B) R. Belize heard at 0430, 3300, with the British American Insurance Company's New America prgm with music and interviews. (Larry Zamora)

INDIA Though tentative, this is vy possibly AIR Regioal Lucknow, heard from 1230-1235 with news, 3205, 1245 T/O. (Don Jensen, Wisc.)...Logged 1300-1315, possibly AIR Regional Calcutta, 4820. Needs rechecks and confirmation. (Don Jensen)...Tuned 1320-1335, with talk in Indian on 4860, Regional Radio Kashmir? This WAS a good morning for Indian outlets. (Don Jensen, via long distance land line)...INDIA AIR, 15310, S/on at 0130 in language; English news at 0245. Fair lvl 11/12. (August Balbi)

INDONESIA RRI, Djakarta, 11770, noted in native music and language, 1000 (August Balbi)

KOREA(N) 6400 Reptd by ECS in Dec. FS is R. Pyongyang, but noted only with Korean HS from 2200, paralleling 5870. NO English. (Ernie Behr)

KOREA(S) 6135 VOFK, 0800-0830 in English, including news, fair lvl, 12/4 (August Balbi)

KUWAIT What may be R. Kuwait on 7225, from 0400 with Arabic and chants, but NO ID heard. Varies to 7228.5 at times. (Ernie Behr) (Think it is Kuwait, Editor)

LIBERIA VOA/Monrovia, 25950, with 250kW, noted S/on at 1000 to 1100 S/off, relaying Chinese Svc to Asia! First time I recall this outlet being used for 11 M beam to Asia/Far East. Fair here, via daylight path. (Bob Padula, Australia)

LUXEMBOURG R. Luxembourg's power increase has produced greatly increased signal strength here. Noted on 6090, peaking around 0800, when in German. (Dr. Richard E. Wood)

MALAYSIA BCBFES, Tebrau, remarkably good at 0000, 11850, with local IDs, and into W. S. news. Also at 2300 on 9725. (Dr. Richard E. Wood)

Please see overleaf for more FB DX tips

MAURITANIA 4850 Found at 0700 S/on, 4850, with vy bodacious signals. (Kris Lemna)  
NEW HEBRIDES 3905 (TENTATIVE) (FLASH) This one audible from around 0700; prgm of mx including US pops till 0728 S/off, in Eng and Fr. ARO QRM. (Bob Brode, Calif.)  
MEXICO (FLASH) R. Mexico strong on new 21705, Sp at 1800. Also annnc 17835, 11770, and 9705, hrd today, 12/17. (Balbi)... (FLASH) R. Mexico heard on new 11770; and, 9704.5, 17834.5, since 12/14, 0130, multi-lingual anncts. (Ernie Behr)  
MONACO 7290 TWR, Monte Carlo, S/on with Eng religious prgm, 0725, good (August Balbi)  
NEPAL 11970 (TENTATIVE) R. Nepal peaking around 0215, fade out 0225, much talking in language and oriental music. Dut, unable to hear an ID. (Richard Heggs)  
NEW CALEDONIA (FLASH) Noumea now regular on new 9505, 0800 to 1100 S/off. Fgy varies down to 9500, mixing with NHK. Parallel with 7170, 670. Noise lvl too high to check if 3355 still operative. This one should make it into EC/USA, I think (Bob Padula)  
NIGERIA 15200 Lagos with English news 1530, 1630, S/off at 1700. (August Balbi)  
PAKISTAN 17800 ID for Rawalpindi 1050, recent new fgy, native songs. (Bob Padula)  
PHILIPPINES FEBC, 15440, S/on 2330, into news in English. (August Balbi)  
PORTUGAL D.W. Relay, 15185 and 11865, in Czech 1845-1945. New fgy. (Ernie Behr)  
RWANDA Kigali Relay S/on 1800 on 15380, replaces 15435, clears QRM by Tanzania (August Balbi)  
SARAWAK 4950 R. Malaysia heard at 1430 with news bcst. (Larry Zamora) / Balbi)  
SEYCHELLES FEBA on new 11920, replaces 15185, 0030-0400; good at 0245 English ID. (August Balbi)... FEBA now on 11920 with English prgming at 0300 to 0330. Heard practically every night with signals quite strong (Sugar 6 at S/on). (Richard Heggs)  
SOLOMON IS SIBS in with a nice signal, 1035-1129 S/off. Excellent copy, so sent a report. They annnc 3995, and of course, 7235. (John Tuchscherer)  
SPAIN Received a fast QSL and Pennant from RNE for lengthy report on 11925. AS REW has already advised the FS, this is to be a regular fgy. (John Tuchscherer)  
TAHITI R. Tahiti, 0235-0305, 11825, in with a good sig, Eng/Fr lesson (Richard Heggs)  
TANZANIA 15435 Observed with English news 1800, English ID at 1845 as, "Radio Tanzania, Dar Es Salaam". Fair daily since 11/5, when Kigali moved. (August Balbi)  
TANZANIA ZANZIBAR (Please see last month's FS) An individual has received a note from Omar in which he (Omar) indicates that "they (DXers) will get what they need". So, theres still hope! The possibility of Zanzibar QSLing has not kumbed out. (Don Trucial)  
TRUCIAL OMAN (FLASHES). (This is a vy important tip, Editor) Saut as Sahil, /Jensen) 6040, heard from 1400 with Arabic chants and language, fades around 1430. Hrd several mornings since 11/20. No ID heard but almost certain its Sharjah. Now is the time to log this catch. (Ernie Behr)... Don Jensen reports that he spent an hour with his GC charts and time charts, and currently the signal path is near optimum, following the darkness pattern. Tuning 6040, 12/11, Sharjah, was heard with a brief talk at 1345 and Arabic music. Fade in 1343, fade out 1356.. On 12/12, Ger Dexter also heard the same for about a 15 minute period from his Wisc. QTH... Sharjah faded in 1317, 12/20, Arabic music and language, weak lvl but followable, on 6040 kes. This my 173rd country, report sent. List as lkW. (Al Niblack) (End of FLASHES)  
VY LAST MINUTE ITEMS: (FLASH) GAMBIA After long try, logged at 2130 S/off, 4820, with clear English ID, "This is the Gambia. Beasting Svc from Bathurst". Musical theme played on Cora. News 2120. (Al Sizer, Conn.)... BOLIVIA R. Altiplano, La Paz, quite good on 5045 at 0953 with pops. ID and ads at 1000, then native music. (Jerry Berg, ASCENSION IS BBC Relay S/on 2200, on 9580, fair lvl. (Mike Duba, Vermont) / Mass)  
NOVEMBER 1970: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 12-3-70  
 1-79 2-75 3-72 4-76 5-61 6-87 7-84 8-67 9-75 10-76 11-95 12-87 13-98  
 14-108 15-118 16-126 17-128 18-128 19-125 20-126 21-112 22-103 23-94 24-75  
 25-60 26-63 27-72 28-87 29-76 30-101 MEAN-91.1  
PREDICTED: DEC-88 JAN-86 FEB-84 MAR-82 APR-80 MAY-78 (Grady Ferguson, No. Car.)  
FLASH-FLASH (Just delivered by the Postman) R. Nederland advises your Editor that they are going to operate a Relay Station on Madagascar with 300kW. As yet, fgys unknown, but tests expected to begin in October 1971: Will be beamed to Asia, Middle East, and Africa. (Al Niblack) (Keep listening, Editor)  
ACKNOWLEDGEMENT: Our thanks to all who supplied material through the year to keep this dept rolling... Please keep it coming. Sincere best wishes for the coming New Year. Phone FLASHES to 882-3976, after 2200 GMT. .... Good DX & 73,