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NORTH AMERICAN SHORTWAVE ASSOCIATION

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DECEMBER 1970

VOL. IX NO. 12

NASWA HEADQUARTERS POST OFFICE BOX 989 ALTOONA, PA. 16603

NASWA EXECUTIVE EDITOR SUFFERS HEART ATTACK

Norfolk, Va. Our Executive Editor of FRIENDX, Mr. William F. Eddings, suffered a heart attack on October 16th. At present, Bill is at home after surgery and confinement in the hospital for a month. He remains somewhat weak for the present. Due to this situation, which explains why there was no November bulletin, the Board of Directors, Messrs. Calkin, Ferguson, and Dexter have consulted with our headquarters and appointed me to temporarily publish FRIENDX for the next few months. Bill Eddings has informed me that he is able to maintain other club business, so any club business, or memberships renewals may be sent to Headquarters as usual. In the meantime, if any members should wish to contact me, the Board of Directors, or any of the Editors of FRIENDX, please remember that NASWA is a non-profit organization. It would be much appreciated if you will enclose return postage, at least, when you desire to hear from any of these gentlemen. Please bear with us through any delays. You will note that we are including material this month that would have appeared in the November bulletin - specifically exceptionally informative NewsRoom, Flash Sheet information, and the November photo page. Please keep those Black & Wh. photos/snaps coming in to me. We have few - not enough for January.

The following message is relayed to all members from Bill Eddings at Headquarters:

"Sorry the ole ticker and a few other parts played out on me gents, but that's life. I am now home for a week or so, then must again return to the hospital for another operation (maybe they'll give me a new brain, Huh?) And then I will be home for good. My apologies to those members who consider that new brains were due (a few letters think so! Hi Hi) Once I get back in the swing, I hope to make up for the most I can. Meantime, thanks to those who continue to support and show faith, especially our editors, and loyal friend Ed Shaw. Too, thanks to those who sent cards, letters, flowers.. all were sincerely appreciated; God bless you! And last, but not least, I take this opportunity to wish each and everyone of you a most Happy Holiday Season. Bill Eddings.

And, with that, I will end the frontal page for this month. May I extend my own warm wishes to each and everyone for the forthcoming holidays? Remember that a warm greeting and a smile is inexpensive - so give to everyone you see this season.

NEW MEMBERS, WELCOME!

Bill Hein, Woodland Hills, California, Via P.E. Communications Handbook.
 Joseph Phaturus, Pittsburgh, Pennsylvania. Via Electronics Illustrated.
 Richard Walsh, Arlington Heights, Mass. Via World Radio-TV Handbook.
 Mark Drogin, Stony Brook, New York. Via PE Communications Handbook.
 John Wudar, Buffalo, New York. Via Radio Today magazine.
 Michael Dean, Stella, North Carolina. Via Science & Electronics magazine.
 Richard Bartos, Campbell, Ohio. Via member Ken Lyon.
 James Roberts, Winnipeg, Canada. Via World Radio-TV Handbook.
 Thomas Smith, Austin, Texas. Via member Walter Fair Jr.
 Ivan Grishin, Toronto, Canada. Via member Harold Sellers.
 John Mulhern, Springhouse, Pennsylvania. Via Assoc. of N. A. Radio Clubs (ANARC).
 John Smallshaw, Wauwatosa, Wisconsin. Via World Radio-TV Handbook.
 Gray Scrimgeour, Toronto, Canada. Via Assoc. of N. A. Radio Clubs (ANARC).
 Noel Vietmeyer, Woodbridge, Virginia. Via PE Communications Handbook.

RENEWALS

Second year: Robert LaRose Jr., Tom A. Eby, Al Drehman, Louis Renó, John Walenter, Jim Weber, Al Ilgenfritz, Angelo Coppola, Dave Williams, James Smith, Werner J. Selby, James W. Young. Third year: Norman Starr, Dennis Driscoll, Maurice McCoy, Tom Walsh, Dr. William Murphy, Al Friedman. Fourth year: Bruce Reynolds, Harry Smith, David Baltimore, Oliver P. Ferrell, Kenneth Lyon, Robert Moser, George Schnabel, Bob Thomas, Fred K. Baines. Fifth year: Irv Johnson, Charles Territo Jr. Seventh year: Gary L. Wallin. Thanks to all for faith & support!

NOTE: Above includes those applications and renewal fee's received up to 11/15/70; Any received after will be included next month.

MERRY CHRISTMAS

and

HAPPY NEW YEAR ALL!

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A ONE SHOT ORDER
FOR 1971 WORLD RADIO-TV HANDBOOK
AT DISCOUNT PRICE

Those NASWA members interested incopies of the 1971 WRTH may order (see order blank below) by submitting proper fee (along with order blank) to Rob Harrington (checks and money-orders made payable to him!!). There is one provision however...all orders must be rcvd by Rob no later than December 20th. Orders received after that date will not be accepted! Also, this offer is vaild only to NASWA members residing in North America! Rob will consolidate orders and mail to the publisher; Orders will be filled and mailed to members direct via Denmark. Remember, your order must be received by Rob no later than 12/20th or it will not be accepted. Use order form (or facsimilie) below; Mail with proper fee to: Rob Harrington-WRTH'71, 3181 South York St., Englewood, Colo.80110.

1971 WRTH ORDER FORM - NASWA

Name _____
 Address _____
 City _____ State _____ ZIP _____

Please send me ___ copy(s) of the 1971 WRTH @ \$5.15 each ppd. I understand they will be mailed to me direct from publisher in Denmark. Total amount enclosed (check or money-orders only!) is \$ _____. Thank you!

Signature _____

NOTE: Be sure to send orders to Rob, not to NASWA Hdqs. Remember 12/20 deadline!!!!!!
 Print name/address clearly. Send correct fee.

NO NOVEMBER FRENDEX

It is regretful we have met an emergency at this time of year, but it could not be foreseen nor helped. It is also regretful that arrangements could not be made in time to get a November bulletin printed. Thus ALL members will be given a one mnth extention. Therefore, if your renewal was due in Nov. or Dec., it will be extended until Dec. or Jan. (Notice form will be included with your bulletin. We hope this meets approval.

* * * * *

NOW, IN THIS TIME OF NEED/CRISIS IS WHEN ALL SINCERE MEMBERS WILL COME FORTH AND HELP!
 TO BEGIN THE NEW YEAR, DO YOUR PART...GIVE OF YOUR SUPPORT BE A FRIEND. THANK YOU!!!

NASWA CLUB LETTERHEAD STATIONERY DELAYED

SPECIAL RENEWAL LIST FOR NASWA MEMBERSHIP

(Cont'd)

HQ - Due to the illness of our Executive Secretary, Mr. William F. Eddings, we are postponing for a short time our plans to produce some attractive letterhead stationery for your use in reporting to the world's broadcasters, or for corresponding between regular friends. The stationery, when available, will have NORTH AMERICAN SHORTWAVE ASSOCIATION across the top, and will have the club seal in the upper left hand corner. We tentatively plan for a blue color. Price will be reasonable - to defray costs.

Thomas E. Jones
Dan Kening
Bob Kirkpatrick
Kevin Cleman
Julian Kratter
Doug Lechleiter
Roger Legge
Chris Lemna
Dan Lindley
Mildred Marshall
Gene McGahey
Rudy Menna
Gary Mickle
Bill Migley
Walt Miscihowski
Scott Moeller
Mark Mohrmann
Lee Morton

John Mraz, Jr.
Warren Nordgren
Bern Pellet
Ralph Perry
Meredith Porter
David Potter
Walt Reed
Marv Robbins
Rimas Sakalas
C.J. Schillmiller
Robert Scott
C.M. Stanbury, II
Peter Taylor
Joe Torck
Ira Wagner
Dr. W.H. White
Steve Wood
John Zaharek

WELCOME TO NEW ANARC EXECUTIVE SECRETARY

HQ - Effective immediately, Wendell Craighead from out Kansas way will be Executive Secretary of the Association of North American Radio Clubs, relieving Gray Scrimgeour from Canada. We are particularly pleased that Wendell is a fellow NASWA member of long and faithful standing. His DXing experiences go back many years. Wendell's address will be found on the pages of the ANARC report. Welcome, Wendell! I'm sure all members will be pleased that ANARC may continue under expert leadership.

INTERVAL SIGNALS ON RECORDED TAPE - FOR SALE

HQ - For those members who are interested in boosting their QSL totals, and enhancing their abilities to identify countries, I have completed a project which may help you.

I have recorded on a master tape, some 80-90 different interval signals. This includes about 70 different countries. The extra interval signals are from those countries sporting more than one SW broadcaster. (W. Germany has R. Liberty, DeutscheWelle, R. Free Europe, RIAS, Sudwestfunk, etc., all with different interval signals.)

Quite a few of these IS are easy ones; Moscow, Peking, BBC, R. Nederland, etc., but, quite a few are not so easy; R. Malawi, R. Botswana, R. Ste. Marie-Fernando Poo, Austrian Army Radio, etc. At any rate, one of the most numerous collections ever offered before, and very pretty to listen to. Don't expect studio quality as they were, except 3 or 4, recorded directly off the air on my own rx. Some are excellent - some are poor. One or two may not be audible to the untrained ear (but you would have the dickens trying to receive a better readable signal, anyway).

If interested, just send me \$1.50 to cover cost of tape and first class postage. This is a good source of information for the beginner and a real source of nostalgia for the old-timer! Hi!
Ed Shaw, 415 N. Shore Rd., Norfolk, Va. 23505

SPECIAL RENEWAL ANNOUNCEMENT TO MEMBERS

We have extended each member's expiration date one month in order that he may have advantage of another issue of FRIENDX due to the missing November bulletin. This presents us with a rather large list of members who will be due for renewal soon. The following members are asked to RENEW MEMBERSHIPS this month. The January issue of FRIENDX is your last unless we receive your renewal. Send remittance to Mr. W. Eddings, P.O. Bx 989, Altoona, Pa. 16602

Tom Alleman
Robert Bolling
Mike Breskiewicz
David Brown
Kevin Brown
Stan Cabral
Rene Chicoine
Thomas Clark
Ron Cole
William Coleman, Jr.
Thomas Daly
George Davenel, Jr.
Dave Deitz

Rick Dressel
Kim Elliott
Edward Feith
Grady Ferguson
Robert Fuss
Wallace Glavich
Randy Grabowski
Donald Griffith
Dan Henderson
Terry R. Hicks
John Hunter
Bill Jack
Norman Jacobson

Exclusive

THE LOUDENBOOMER REPORT
Presents
CHARLIE MEETS SANTA CLAUS, HO-HO!

Exclusive

T'was the night before Christmas and I was in bed.
Not a signal was stirring; the bands were all dead.
An eight-foot long stocking was hung, quite a trick,
Next to the chimney, to fit a Joystick.
Ole Charlie was snuggled up tight in his bed,
and visions of veries danced in my head.
I wore a new nightcap; I looked rather slick,
with built-in earphones - I don't miss a trick.

When up on the roof there rose such a racket,
Like my sixty foot tower had slipped from its bracke
I ran to the window and opened it wide.
I shivered and peered intently outside.
The moon on the crest of the new fallen snow
Disclosed a terrible scene down below.
A twisted antenna and eight tiny deer,
and a little old driver with beard down to here.

He whistled and shouted so furicously,
Whilst busily trying his reindeer to free.
My tower, I realized, quicker than quick,
Had just shot down an ex-jolly St. Nick.
I drew in my head and was calling my lawyer,
When a bedraggled Santa burst into my foyer.
How his eyes they glittered as he muttered a vow,
"I'll sue you Loudenboomer, for seventy thou!"

Red-faced with rage was the chubby old fellow,
Who shook when he yelled, like a bowl full of jelle.
A stump of a pipe he clenched tight in his teeth,
While oaths seemed to circle his head like a wreath
With placating words, I offered a cup (of good Xmas cheer
Which he accepted and quickly drank up.
Then, still complaining that I was a jerk,
He went to the chimney and started to work.

"No Joystick for you!", he said with a hoot.
And filled up my stocking with ashes and soot.
Then landing a clout longside of my nose,
and giving a nod, up the chimney he rose.
He sprang to his sleigh, his reindeer now untangled,
Though still from one runner, my antenna dangled.
He shouted out clearly, "S-9 reception -
Merry Christmas to all, with just one exception!"

And I heard him exclaim as he drove thru the night,
"Wait til next year Charlie, I'll fix you alright."

(The above is reprinted from 1967-68 FRIENDX and is presented for the pleasure of newer members who have become avid fans/followers of our boy Charlie. Every year HDQ receives many favorable comments on it and it could we may make it our annual Christmas C.L.)

NASWA DXers & DENS



EDWARD SHAW



AL NIBLACK



ROGER CAMIRE

SEE
NEXT
PAGE
FOR
INFO
ON
THESE
MEMBERS



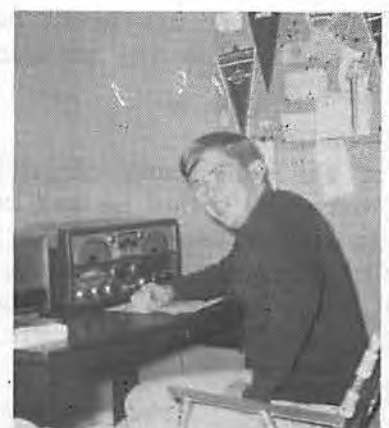
GEORGE SCHNABEL



GENE MCGAHEY



CESAR OBJIO



MIKE MACKEN

DXERS AND DXES**AL NIBLACK**

Most everyone who has a serious interest in SWBC DXing has heard of this gent sometime or other. Over the years he has always been a help and a credit to the hobby and any/all clubs of which he has been a member. Few men are respected or held in as high esteem as this gent. In NASWA for 5 years, today Al holds forth as our Flash Sheet Editor. He works for a freight company, is single; Shack equipment, as shown, includes a Hammarlund HQ-120 and a Hallicrafters SX-100. Antenna is a 30' longwire. SWBC QSLs total 75. His main interest in the hobby is logging and reporting stations of interest, new stations, new frequencies, and changes that come day-to-day on SWBC bands.

ED SHAW

A NASWA member for four years, Ed has been active one way or another in the club from the day he joined. Presently serving with the USN, he is married and has two children. As shown in his den pix, he uses a Hallicrafters SX-130 (modified), and his antennae are a folded "V" dipole, and a 14AVQ. SWBC QSLs now number 140. Says Ed, "Besides the 'joys' of QSLs, I have found that corresponding with fellow members to be an extra hobby pleasure everyone should try." We might add, Ed will soon be officially named Corresponding Secretary for NASWA, a post of importance and one that only a fixer like Ed can handle worthily for good of the club. We might mention also, were it not for his stepping forth voluntarily, there would be no editions of FRIENDX while our Executive Secretary is hospitalized. Without saying, Ed has both the head and heart of a sincere friend and member. Many thanx are due him!

GEORGE SCHNABEL

Known for his "in detail" reports and articles in FRIENDX and other publications, George has been with NASWA for 3 years and presently holds position of Contest Editor. He is married, with one son. Present receiver is a Drake SWA (see pix), and antenna is a longwire. SWBC QSLs total 88. Main interest in the hobby is listening to timely events, DXing Latin America and Middle East as well as African stations.

ROGER CAMIRE

Seldom heard from, Roger is busy doing Freq. Recommendation Committee work for ANARC. He heads the FRC. A produce department manager by vocation, he is married, has been with NASWA for three years. As obvious by his shack pix, he has an assortment of gear including a TMC-GHR-90 rx, plus others. To boot, he has 12 various antennas (how's that grab some of you apartment dwellers?) It isn't surprising to know that he is interested in antenna design and experimentation along with DXing for which he has thus far collected 107 SWBC QSLs.

CESAR OBJIO

One of the best known of Latin American DXers is member Cesar from the Dominican Republic. Many were the times he has been of service to stations as well as to DXers and clubs. He speaks and writes excellent English. According to the pix, he uses an HE-30. We do not know his antenna at present. Cesar keeps busy trying to keep tabs on the rare/low power LA stations so that he can keep other DXers updated and informed. Many otherwise unknown facts and data have come via his efforts and willingness to share.

MIKE MACKEN

We haven't heard from Mike for awhile, but did have his shack pix on hand, thus thought to include it. He has been with NASWA for a number of years- is now attending college and so far as we know, is still unmarried. His rx, an SX-100 has gained him 78 SWBC QSLs thus far. Until recently Mike edited a column for ASWLC's SWL, but according to word received, he resigned due to other activities/demands.

GET THOSE B & W FIX IN SOON!! SUPPORT FRIENDX

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

Phone: 1-614-236-0026
2300-0300 GMT
Deadline: 15th of the
month!

CHINA TODAY: Broadcasting Corporation of China

Station XKM, the forerunner of the Broadcasting Corporation of China, formally went on the air in Nanking on the afternoon of August 1, 1928. It was Generalissimo Chiang Kai-shek, then chairman of the Military Council, who made the first memorable broadcast at 5 p.m. on that day.

The Station stayed on the air four and a half hours a day using its 500 watt medium transmitter, the only one it had at the time.

Three months later, the call sign was changed to XGZ.

The station did not start its nationwide broadcasting until October 1932 when its 75,000 watt transmitter became operational. The power step-up spurred the program innovation of the station. From the 4- $\frac{1}{2}$ -hour pure talk program a day, it began to broadcast 10 hours of program a day offering a variety of programs including news, educational materials, entertainment, weather forecast and market quotations. It also dictated news for one hour daily after 10 p.m. to news agencies throughout the land. That was the start of the famous Station XGOA, or the Central Station that broadcast to a large part of Asia during World War II. Regional stations were set up later on in various parts of China. To put all the stations under a unified command, the Central Broadcasting Administration (CBA) was created in 1936.

In 1938 when the war against Japan entered its second year, the Central Station (XGOA) moved to Chungking with the Chinese government. It started broadcasting from the wartime capital in March of the same year.

In order to bring about better understanding of the national cause, a 35,000 watt shortwave station was set up in February 1939 in Chungking with programs beamed to North America, Europe and Southeast Asia.

Over the station on May 19, 1939, Madame Chiang Kai-shek laid bare the barbarous bombings of Chinese population by the Japanese air force in her broadcast to Australia which resulted in worldwide condemnation of the Japanese atrocities.

During the Chungking days, Station XGOA and others had sustained repeated bombings but the Japanese air force was never able to silence them. Thanks to the mountain caves which provided the stations with natural air-raid shelters, the stations carried on their work without disruption.

Throughout the eight-year war, the stations never interrupted their broadcasting for a single day. Meanwhile, they served as the most reliable source of information on the war on the Asian front. The London Times called them the mouthpiece of Free China.

People in the Japanese occupied zones all tuned in on the CBA stations for voice of hope and confidence in the final victory. Risking their lives, people under the Japanese occupation listened to the stations at night in secret.

CHINA TODAY
(continued)

Knowing this, the government used the CBA stations to transmit instructions to the underground agents in the Japanese occupied areas. Before the government could rush to the coastal provinces to accept Japanese surrender in the early post-war days. Station XCOA also disseminated orders to the government personnel sent to the occupied areas and called on the people for cooperation.

On August 14, 1945 when Japan officially proclaimed its unconditional surrender, Station XGOA immediately broadcast the Chinese government instructions to the Japanese military commanders to prepare for Chinese takeover. The following day, President Chiang Kai-shek broadcast his historic message to the nation and the world of the victory over Japan over CBA stations.

All the stations in the occupied areas were recovered one after another from the Japanese and the puppet regime of Wang Ching-wei after the V-J Day.

In 1949, the Chinese Communist insurgency spread to most parts of China. In view of the worsening situation on the mainland, the CBA again followed the government and moved to Taiwan, turning a new leaf in the history of the administration.

In the same year, the Central Broadcasting Administration underwent a reorganization and became a new company and was named the Broadcasting Corporation of China, or the BCC.

BCC had to start practically from scratch in Taiwan with a few transmitters shipped from the mainland plus a few small stations left over by the Japanese.

In the past 20 years in Taiwan, BCC started with a meager radio power of less than 100,000 watts to broadcast to the island, the China mainland and overseas. BCC engineers rolled up their sleeves to begin assembling new and powerful transmitters from whatever parts and material were available. They even had to find replacements from salvaged scraps.

Up to the present time, the BCC owns 64 transmitters with an aggregate power of 1172,000 watts. The power will be doubled next year when its powerful megawatt station joins operation. A network of 14 local stations is broadcasting to the width and length of Taiwan and offshore islands.

Despite the appearance of TV in Taiwan nearly six years ago, BCC radio still has the biggest audience on the island.

BCC is known for its news and music programs among intellectuals and entertainment programs for all walks of life. Its farm program offering new cultivation methods, introducing new fertilizer and pesticide as well as market information is popular with the rural folks.

BCC's home service is broadcast over three different networks. The first network uses the Chinese national language (Mandarin) and the second network in Amoy dialect. The third network is devoted to education.

CHINA TODAY
(continued)

Listeners to the third network may learn various subjects by following radio lessons.

The Voice of Free China, BCC's overseas service, is tuned in by listeners throughout the world. Programs are broadcast in major languages of the world and various Chinese dialects. Not only do the BCC overseas broadcasts provide foreign listeners with the latest happenings in Free China and her cultural heritage but also serve as a beacon of hope to the millions of overseas Chinese in China's struggle against Communist tyranny.

In its broadcast to the China mainland, BCC keeps the Chinese compatriots informed of what's going on in their free homeland and the free world. The broadcasts have inspired some defections among the rank and file of the Chinese Communist party and other organizations. They also bridged the gap between the people on the mainland and in Taiwan. In the numerous letters sneaked out from the mainland, the writers told about the widespread dissent against the Communists. They also asked for material relief, a telltale proof of the hard life on the mainland.

From the stories of the Communist defectors after their arrival in Taiwan, it was evident that most of them started planning to escape after listening to the BCC broadcasts. Among them was Li Hsien-ping, then a Chinese Communist air force pilot, who flew to Taiwan with two others in a Russian-made II-28 jet bomber on November 11, 1965. He is now a major in the Chinese Air Force.

BCC is also active in international affairs. It was one of the few founding members of the Asian Broadcasting Union. Sitting in on the Administrative Council of the Union, BCC does constant exchange of programs and experience with other members of the Union scattered throughout the world.

In October 1966, the BCC hosted the Third General Assembly of the Union in Taipei. The meeting not only provided the delegates from all over the world with a wonderful opportunity to get acquainted with the work of BCC but also to witness the political stability and economic well-being in Taiwan.

In view of the fact that many foreign broadcasting organizations have Chinese programs, the BCC sponsored a Chinese language seminar in Nov. 1967 for members of the ABU. During the two-week get-together, participants exchanged their experiences and ideas about important problems confronting the Chinese language broadcasts. Such topics as unification of translation, usage of terms and correct pronunciations were extensively discussed.

The ABU Administrative Council at its fifth meeting in May this year in Seoul, Korea accepted in principle a BCC offer of an annual award to producer of outstanding Chinese language program put out by ABU member organizations. The purpose of the award is to encourage production of better Chinese language programs.

Bilateral exchange of programs is also being made with friendly stations

CHINA TODAY
(continued)

in foreign countries. Programs of Chinese culture and music in foreign languages are sent out regularly to scores of foreign stations.

To mark the 40th founding anniversary on August 1, 1968, the BCC introduced the first FM sound broadcasting to Taiwan with its brand-new stereo equipment. This year, the BCC also enters its TV era as preparatory work for a TV project has been going on at full swing.

The Chinese Classical Music Orchestra of the Broadcasting Corporation of China enters its 33rd year this year after its debut in 1935.

Using over 30 kinds of Chinese traditional musical instruments including strings, percussion and horns, the orchestra comprises 25 members, all of whom are well versed in both Chinese and Western music.

Compositions and pieces performed by the orchestra range from the very original Chinese classics of the Han and Tang dynasties at the time of the birth of Christ to the folk tunes and songs still popular among the Chinese people today.

Aside from regular performances in BCC programs and live shows, it also makes recordings for radio stations all over the world under program exchange arrangements.

When there is a state banquet given by President Chiang Kai-shek, the BCC orchestra is always the main entertainment to the visiting foreign chiefs of state.

The orchestra has often received invitations to perform abroad. It has toured the Philippines, Thailand and the United States.

In 1951, the orchestra spent one month in the Philippines giving 20 concerts including one over the radio and 12 recordings.

Five years later, the orchestra went to Thailand to join in the celebration of the Constitution Day of Thailand. It performed before a packed audience in all the 20 concerts including one dedicated to the King and Queen of Thailand.

The orchestra was the first Chinese musical group to have visited the United States in 1957. It gave the Americans the first authentic Chinese music in Mackinac Island, Detroit, Washington D.C., New York, Los Angeles and Hawaii.

Taiwan is not big in area. Yet many residents are denied normal reception because of its rugged terrain. Due to financial limitations, we are unable to set up stations in all these localities. As an alternative, we have been developing community broadcasting projects patterned after those in the United States and Japan by erecting rebroadcasting stations in the mountainous areas and valleys to relay the programs.

We hope in the near future we will be bringing about a 100% coverage on Taiwan.

Chinese culture and heritage have long been regarded as one of the oldest

CHINA TODAY
(continued)

and most colorful in the world. To preserve and develop the precious legacy handed down from generation to generation for thousands of years, broadcasting is unquestionably one of the most useful means. It can not only record the sound and pictures but is also the most effective medium of dissemination. Fully aware of this, we have been stepping up in producing programs on Chinese art, music, history, literature and various other topics for both domestic listeners as well as foreign audience.

With the advent of space communication, broadcasting has become more and more international and worldwide. In a matter of a few years, any ordinary radio set and a home TV receiver could pick up any sound or visual signals from all over the world. It is our fervent hope that by means of broadcasting, the world could become so harmonious that it would eventually become a big family through better cooperation and understanding of all the peoples.

Asian Outlook...

via Richard Anderson

* * *

SHORTWAVE STATIONS TO SUIT ALL TASTES

Richard E. Wood

American listeners can eavesdrop on this expanding field of Afro-Asian broadcasting by tuning the tropical broadcast bands. In addition to the well-known international bands, 19, 25, 31, and 49 meters, and other bands which most domestic shortwave receivers are equipped to receive, at least one important tropical band, the 60-meter band, is easily heard. It may be located by finding the distinctive signal of WWV, the National Bureau of Standards standard time and frequency station, on exactly 5.00 MHz., and tuning to either side.

In the late afternoon, especially in the winter, the North American listener will note stations from Africa, including English-speaking broadcasters from Nigeria, Ghana, and Botswana, and French-speaking broadcasters from the Congo, Togo, and Ivory Coast. In early evening, Brazil and other easterly parts of Latin America are dominant.

In late evening, the focus swings around to Venezuela, Colombia, and the fascinating stations from Peru and Ecuador.

At midnight, there is another opening to West Africa, when the morning transmissions from most of the countries on the coast of the Gulf of Guinea may be heard.

Late at night, the Pacific Island stations, from the Cook Islands, the Gilbert and Ellice Islands, and other groups, with their distinctive Polynesian music, may be received, especially in the West.

Finally, at dawn, domestic stations from Asia are often audible.

There are shortwave stations to suit all tastes, and many signals from immense distances may be received with astounding clarity. But the bands are crowded and many languages are in use. How may the novice to shortwave listening identify what he is hearing? The program may be in

SHORTWAVE STATIONS TO SUIT ALL TASTES
(continued)

Chinese, but the station need not necessarily be located in China. Quite the contrary. Many stations beaming programs in Chinese to China, or to Chinese abroad, may actually be better audible than domestic Chinese transmissions.

Luckily, there are reference sources. All the large international broadcasters send out regular schedules, free of charge. All transmissions may be listed together with frequencies, times, and program details, or separate schedules may be issued for the different languages and target areas depending upon the size of the station involved. The address, "BBC, London," "O.R.T.F., Paris," etc., is generally sufficient. Besides their program schedules, many stations, notably Radio Nederland in Holland, send brochures on erecting antennas, correct tuning, and other important information, couched in non-technical language.

One reference work which contains most of the schedule information for all stations between two covers is the World Radio-Television Handbook, published in English in Denmark and widely distributed in the United States. Issued annually, it gives full station addresses, complete schedules for transmissions in all languages, special tables of English-language programs beamed to North America and other target areas, and a by-frequency table of all stations in the various broadcast bands. Using the handbook, or individual station schedules, the listener may look for the transmissions listed, converting the times listed (which are generally in GMT, Greenwich Mean Time) into his local time, and finding the frequencies and meter-bands listed on his own dial.

If the receiver dial is inaccurate, as is often the case, it is a good idea to place a strip of adhesive tape alongside the shortwave calibration and mark on it the frequencies of known stations, either by name or by frequency. As all international broadcast stations change their frequencies regularly, in order to maintain good reception in the target area, it is generally better to mark the exact frequency in figures rather than the name of the station. Also, a single frequency may give good reception of more than one station, at different times of day. For example, on 17.84 MHz. in the 16-meter band, the North American listener may enjoy Radio Prague's Sunday-morning weekly review of the previous week's programs, while on the same frequency in the evening, he may listen to Radio Australia's North American service from Melbourne.

One interesting group of stations which may not be heard by the novice, but which he may discover as he gains experience in shortwave listening, are the clandestine operations. The early days of the Soviet invasion of Czechoslovakia brought a spate of these, some of them loudly audible in North America. The country of operation of these underground stations was known to be Czechoslovakia. But other stations have succeeded in concealing their locations to such an extent that even the continent on which they are situated is still in doubt. One such is Radio Euzkadi, La Voz de la Resistencia Vasca, which calls for an independent Basque state, broadcasting in Spanish and Basque, but also announcing in English and French, and verifying reception sent to an address in Paris.

Radio Euzkadi is actually more often reported by listeners in the Americas than in Europe, and the frequencies in use are not those which

SHORTWAVE STATIONS TO SUIT ALL TASTES
(continued)

ould generally be expected to be used for local coverage by a station hidden somewhere inside Spain's Basque Country, as Euzkadi claims and even indicates, albeit rather vaguely, on its verification card, which features a map of the planned Basque nation. Other stations to watch for include Radio Free Kashmir, numerous stations in Southeast Asia including the Voice of the Pathet Lao, and several clandestine, or quasi-clandestine, stations in the Middle East.

All these, and many more, are there at the twirl of a tuning knob on shortwave radio.

* * *

SHORT WAVE VIA CABLE

Subscribers of Buckeye Cablevision, Inc., Toledo, Ohio know what's happening in Moscow, London, and especially in their home town.

The cable firm, which carries 10 TV channels and 22 FM channels, is also offering its customers short wave radio broadcasts. The added service has met with terrific response, says Buckeye manager Leo Hoarty.

Among the short wave broadcasts carried are Radio Moscow, the British Broadcasting Corp. (BBC), and the Toledo Police Department. Hoarty is interested in expanding the highly popular service which costs subscribers an additional \$1 per month. Radio Prague, Radio Caracas, and other stations from Europe, South America and even Australia interest him.

Hoarty first conceived the notion of adding short wave broadcasts to his cable fare when he noticed how many of Toledo's residents listened to the city's police broadcasts. According to Hoarty there's a "peculiar Toledo habit" whereby everybody seems to tune in on the police broadcasts. Kids with pocket radios, truck drivers, even shop keepers always seem to be listening to the police station, said the Buckeye manager.

He also recalled listening to a short wave broadcast over Radio Prague during the Soviet invasion of Czechoslovakia. As it turned out, that was the last broadcast from Prague before the Russians shut down the station and took it over. Hoarty reasoned that cable subscribers could have been in on that moment of history.

Technically, carrying short wave stations is quite simple, said Hoarty. We just convert the sound coming over the short wave receiver into an FM modulator and convert the signal to an unused FM band. There were some minor technical problems with drift, but most of those have been overcome.

The police department's broadcasts remain the most popular of Buckeye's short wave offerings. However, Hoarty says numerous subscribers have called to praise the BBC programming.

Although the Buckeye FM band is now filled with 15 stereo FM channels, seven regular FM stations plus the short wave broadcasts, Hoarty wants to expand the short wave coverage. One way is by using the same channel

SHORT WAVE VIA CABLE
(continued)

for different broadcasts at different times.

One idea that interests him is carrying a number of Spanish language stations such as Radio Caracas or other South American stations. Toledo has a Spanish speaking population of about 26,000, according to the cable manager.

NCTA Bulletin

.....via Gerry Dexter

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BANDIRMA METEOROLOGICAL STATION

Jan Tuner

There are a vast number of "unknown" shortwave stations in Turkey, that is, they are unlisted by the World Radio TV Handbook. Many of these elusive stations are operated by various schools using low transmitter power and transmitting between 6 and 8 Mhz. Others are operated by various Government departments, such as the Armed Forces, the Ministry of Agriculture, the Police, and so forth. An example of this small regional broadcaster is the Turkish Police Radio Station in Ankara, operating on 6442 khz with 1000 watts, heard daily until sign-off at 2000 GMT. Like many of the small regionals, it is quite reluctant to verify. This is a genuine broadcasting station, unlike "police" stations in other countries which could not be classified the same way!

An especially interesting regional station is the Bandirma Meteorological Station, which is actually a meteorological station. However, twice a day there is a program of Turkish classical and folklore music, which makes it temporarily a broadcast station. These programs can be heard from 0600-0630 and again from 1630-1700 on 6965 khz. The latter program can be well heard in Sweden despite the low power of 1.5 Kw. During the non-broadcast type of activity (i.e., scientific data and the like), power is 2.5 Kw.

The actual name of the station is Bandirma Meteoroloji Istasyonu Mudurlugu. Bandirma is a small town of 40,000 inhabitants, located on the shore of Lake Marmara, about 130 kms southwest of Istanbul. The station director is 48 year-old Mehmet Selvi, who signs the verifications issued by the station.

Radio Ankara recently replied to a listener's question about SW broadcasting by stating that there are no other shortwave stations in Turkey besides the official Government station (Radio Ankara)...they have overlooked some 15 other regional shortwave stations currently operating within Turkey.

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*

Gregg Calkin sends word via F.B.I.S. that two 100 kilowatt shortwave transmitters are scheduled for installation by June 1971 at Dhramesi, Voiotia for transmission of the Athens International Service to the Americas, the Atlantic areas (for those at sea), northwestern Europe, Africa, the Middle East, Asia, and Australia.

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RX FOR RECEPTION
Al Niblack

Does shortwave reception for you, the newcomer to the hobby, pose a problem? Do the same stations appear on your dials day after day with monotonous regularity?

Then a short discussion here-in will help to point up how to obtain the best results in listening, the no pain, no strain way.

It is only necessary to have a working knowledge of the natural phenomena of long distance reception and the ability to interpret sunspot count and propagation charts a good receiver operating as per the manufacturer's spec, connected to an adequate sky hook.

We are now starting a new DX season. The sun moves southward after its annual visit up north and static levels are decreasing.

Before we go farther along let us survey the whys and wherefores of DX communications:

SIGNAL PROPAGATION: Part of a radiated radio signal follows the surface of the earth and is known as the ground wave. Commercial broadcasting stations use the ground wave since it is a reliable means of communications and in the broadcast band the coverage may range consistently up to 400 to 500 miles.

The second part of the radiated signal is known as the sky wave and permits communications at greater distances than are usually reached by ground waves. Another oddity of the sky wave is that it skips over portions of the earth. Hence, the term "skip".

To become familiar with "skip" lets look at Mother Nature's law, the law that brings about this type of propagation. The terminology for the layer in the sky that brings skip is known as the "ionosphere." It is believed that the ionosphere, in part, is caused by ultraviolet radiation (ionization) generated by the sun. This mysterious region is located between approximately 50 to 150 miles above the surface of the earth and literally reflects high frequency radio signals back to earth that would otherwise disappear into outer space. The ionosphere might be likened to a huge reflecting mirror. The action of skip absorbs little transmitting power and where the signals are reflected back to earth they may be heard, depending on the transmitter power and other factors. Radio signals beamed at this huge mirror are returned to earth literally hundreds or thousands of miles away from the transmitter. Transmitting engineers, taking into consideration many known factors, can hit a receiving target day after day with amazing consistency.

The amount of ionization and the height of the layer above the earth changes from darkness to light, and from day to day. The ability to reflect also changes. Increased radiation from the sun causes sudden ionospheric upsets and a radio "black out" results.

Part Two of Al Niblack's "RX FOR RECEPTION" will appear in the next issue of the Shortwave Center....January 1971. Remember - NASWA is your number one source of information...no matter what the year!

COMMENTS

Like all NASWA members, friends, Editors, BOD members, it is a real pleasure to see FRENDX once again with us. A great deal of thanks goes to Ed Shaw, who has put the Club before his own personal life. Fortunately, our great leader - who else but BE - is back with us again. For this, we can all be grateful. Who says that Christmas is kind only to the kids with the stockings by the chimney?

This issue of the SWC is smaller than was intended....partially to make less duplicating work for Ed. The type used this time is a bit large, for we are still experimenting with typewriters here in Columbus, to see which electric model to buy for Luanna. While easy to read, you simply cannot get as much on a page. Articles scheduled for this issue and delayed will be here next time. Space is the only reason that they were not included. Hope the various authors will be understanding.

Last year, I wished everyone a very Merry Christmas through these pages. This year, both Luanna and I want to take this opportunity to express our gratitude for the many fine comments (and justified criticism) which we've had from many members. To all of you, to the many fine writers and contributors who make this entire section possible, and to all members and friends.....

M E R R Y C H R I S T M A S

and

H A P P Y N E W Y E A R

May 1971 bring you all the best of everything good.

Anyone tuned to the medium wave band on October 5, 1970, say to 1100 khzif so, then you just might have heard the Alan Douglas Show from 10:05 P.M. to 12:00 Midnite. Ye Editor had the pleasure of being on the program along with Dr. M.J. Thomas from Case-Western Reserve (a large university in northern Ohio), as the guests of Alan Douglas. The program dealt with International Communications and I recorded several broadcasts which were re-broadcast by WKYC at that time. We had discussion of the various items between the cuts. NASWA member, John M. Leger had a question answered on Moscow Mailbag...and this was played during the special program. During this time that the program was aired, W J A S in Pittsburgh, Pennsylvania, relayed WKYC. WKYC is the prime NBC affiliate for the Mid-West and operates on 1100 kc with 50,000 watts covering the eastern portion of North America--and is often heard by MW DXers in Europe. WJAS operates on 1320 kcs with 5 Kw and 54000 watts of FM power on 99.7 Mcs. (ERP).

Well, all we can say is "Ho" "Ho" "Ho" and a hope that dear old Saint Nick won't get caught in the roof antenna....or that Rudolph won't snag an antler in your longwire.... Good Christmas and New Year's Eve DXing (remember those Latins stay on much later) and see YOU next year right here in FRENDX!

SUPPORT

NASWA

NOW

ANTHONY MARKS - EDITOR
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La Grande, Oregon, 97850
Deadline 15th of the Month
Happy Chanukkah!!

NEWSROOM
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HANK MICHALENKA - ASSOC. ED.
14 Brook St.
Central Falls, R.I. 02863
Deadline 8th of the Mo.

THIS MATERIAL IS PRESENTED AS AN ADDENDUM FOR DECEMBER
SINCE NOVEMBER FRENEX WAS NOT PUBLISHED

Please remember when reading this column, that the editors take no responsibility for the accuracy of the material therein. We do, however, endeavor to check everything out, and report it to you with accuracy in mind. Information may be somewhat out of date before it even reaches publishing headquarters, and of this we have no control. Time used is GMT, 24 hour system; frequency is in KiloHertz.

THOUGHT PROVOKING:

"This time, like all times, is a very good one, if we but know what to do with it." Ralph Waldo Emerson

RADIO SBC, Bern, Switzerland:

English services to NA are: 02:30-03:00; 6120/9535/9750/11715. 04:00-04:30; 6120/9535. Complete English language schedule at later date.

RADIO AUSTRALIA, Melbourne:

Avoiding intense interference from BBC Ascension Island relay on 17740, ABC has moved to 17795 during the North American service at 01:00-03:00. 15320/21740 remain in parallel. 15320 is inaudible (in some areas - ed.), and it has been suggested that interested members write ABC, suggesting that perhaps a 100 KW transmitter be put in use on 21740, a successful frequency at present powered at only 50 KW. (RW)

I have discovered that the QRM I experience at 13:30 when listening on 9570 is Radio Moscow, not VOA as I suggested last month. Their ID theme is a dead giveaway, when it comes in strong enough to make out. This could be one of four transmissions in 31 MB at this time: Turkish to Cyprus, Korean or Chinese to Far East, Punjabi to SE Asia. Take your pick. (ed.)

RADIO MEXICO:

"Radio Comerciales", XEHH-11880 and XERR-15110, are now to be known as "Radio Tricolor", H-m-m-m. (RW)

DATES TO REMEMBER:

For DX purposes, these dates offer possibilities (see last month):

NOVEMBER

- 03, 1903 Panama Independence Day
- 09, 1953 Cambodia Independence Day
- 11, 1965 Rhodesia Independence Day
- 28, 1960 Mauretania Independence Day
- 30, 1967 South Yemen Independence (HM)

GALAPAGOS ISLAND:

La Voz de Galapagos has been diapeduted back and forth lately in Frenex, and so we are including this bit of information; report of reception from 03:15-04:03 s/off; 6255A KHz. Program of latin American music until 03:50, religious program until s/off 04:03 (Spanish), w/ Ecuadorian anthem.

Schedule: 12:30-14:00, 18:00-20:00, 00:00-04:00: all Spanish and on 6255A (also been reported 6175).

Address: Father Carlos Uria Sandoval - Director, La Voz de Galapagos, Puerto Baquerizo Moreno, Isla San Cristobal, Archipelago de Colon (Galapagos). (AS/HM)

MARTINIQUE, Fort de France, (ORTF):

Here is a small station looking for our reports. Contact L.M. Cohic, B.P. 662, Fort de France, English or French reports are accepted, enclosing return postage, please. Try for them about 22:30, 5995/3315. (HM)

RAMADAN, Islamic Holy Period:

Ninth month of Islam calendar year, Ramadan has 30 days, during which the Islamic believer refrains from eat or drink during the daylight hours. He, instead, spends this time in prayer and reading from their Koran, for this is the month in which Mohammed received his divine revelation.

The hours after sunset are a different matter, however. Huge feasts are then given to make up for the abstinence during the day. Many of their radio stations, we have assumed, will reflect this policy, by, perhaps not being totally off the air during the daylight period, but in lengthening the time for transmitting once that sun goes down. As stated last month, this could prove interesting for DX/SWL. (ed).

Our associate news editor, Mr. Hank Michalenka, contacted several of the rarer stations in Islamic countries concerning their plans during this Ramadan period (31 Oct-01 Dec), but at this time only two have answered him, which HM thinks may also reflect their verification policy. These two are:

RADIO QATAR, Doha: 04:00-06:30 and 11:00-20:15; 9570 (100KW), Arabic. Our thanks to M. Shahid, Deputy Director of the Department of Information, Doha, Qatar.

AFARS and ISSAS (Territory) -ORNF - Djibouti: 4780 KHz (4KW); 14:00-15:00, Afar; 15:00-16:00, Issa; 16:00-17:00, Arabic; 17:00-19:00, Afar; 19:00-21:00, Arabic; 21:00-22:00, Afar; 22:00-23:00, Issa; 23:00-00:00, Arabic; 00:00-01:00, Afar. (16:30-18:15, Issa may be noted during Afar.) Our thanks to J. Sourd, le Chef d'Etablissement. (HM)

RADIO DENMARK, Copenhagen:

Evidence is that Denmark would like to resurrect her English Language broadcasts. The following is from a letter received of Vagn Skovgaard, program secretary of Radio Denmark.

"It is not according to our feelings or impressions that English programmes have been given up. This decision has been taken up by the radio council to save money. And the sooner we will be able to start broadcasts in English the better, but, unfortunately, it is not just around the corner."

They do not want tape reports of the 15165 channel, but will be grateful for recordings of broadcasts on 9710, or 11790 if they can be heard. 9710 is 01:00 s/on, 11790 is 02:30 s/on, both in Danish w/English at s/on-s/off. Radio Denmark at this time will not verify reports in English, so write to them in Danish or send tape report, always more accurate anyway. (JJ/HM)

MEASUREMENT OF TIME

"Years ago, the measurement of time was based on earth rotation (Universal Time, UT), which was finally shown to lack uniformity. Astronomers then adopted the period of revolution of the earth around the sun for the year 1900 as the basis for the measurement of time, and called it Ephemeris Time. It forms the basis for all astronomical calculations and forecasts, but it is not readily available for day to day use.

As physical sciences developed, the pendulum yielded to the quartz clock and then to the atomic clock as the primary timekeeper. Today, time measurements depend on the cesium atomic clock*, which has been carefully calibrated with respect to Ephemeris Time, and which, like it, does not vary with the seasons or the years.

Atomic Time (AT) is not used in everyday timekeeping because at present it gains at the rate of 2.7 milliseconds a day or about a second a year on UT. Instead, the rate and time of cesium clocks are adjusted by international agreement through the advice of the Bureau International de l'Heure (BIH). The resultant time is Universal Time Coordinated (UTC), and is kept in agreement with UT to 0.1 second.

The NPC time scale, based on the NPC primary cesium frequency standard, agrees with the BIH mean time scale to within a few microseconds per year."

* In October 1967, the International Bureau of Weights and Measures defined the second as 9,192,631,770 periods of the radiation corresponding to the transition between the two hyperfine levels of the ground state of the cesium 133 atom.)

From the National Research Council of Ottawa, Canada, via CHU, Canada's Time Service (Bulletin B-26).

RADIO DAMASCUS, Syria; (English).
19:30-20:59 to Europe on 15165. (KL)
23:30-01:00 to NA (Arabic/English) on
15290. (WRTH)

RADIO IRAN, Tehran; (English) (KL).
20:00-20:30 to Europe on 12176/15084.

RADIO NORWAY, Oslo; (English); (Sun/Mon);
QRG corrections (r = replaces):
08:00-08:30; add 25900. 12:00-12:30;
6130 r 7210, 25900 r 21730. 14:00-14:30
same. 16:00-16:30; 25900 r 21670. 18:00-
18:30; 6130 r 7210. 20:00-20:30; 17795 r
21670,
25900 r 25730. 22:00-22:30; 9645 r
21730/25730. 00:00-00:30; 11860 r 17795/
21655. 02:00-02:30; 9610 r 11735. 04:00-
04:30; r all w/9550/9610/9645 MW 1578.
06:00-06:30 (new); 9550/9645/21730. (direct)

RADIO SIERRA LEONE, Freetown:
05:59-09:30, 12:45-23:30. Sat.,
05:59-10:00, 12:00-23:30. Sun., 05:59-

QRG is 3316 w/ English and vernaculars. (KS)
Eng. news: 07:00 (BBC); 13:00 (BBC);
16:00 (VOA); 17:00 (Moscow); National news,
06:35; 18:00, 19:00, (Vern/Eng). 20:00,
22:00, in English only. 5980 has also
been used for these broadcasts. (WRTH)

ORTF, RADIO FRANCE, Paris; (English):
20:15-21:00 to Africa; 15295/17730/
21580. Address: ORTF, PO Box 9516,
Paris, France. (JL). This service is
listed in WRTH as being at 19:15. (no
wonder I was unable to find it. - ed.);
also listed at 05:15-05:30; 9700/11920/
15120 et al., and 11:00-11:15; 15295/
17720/21580, but who knows how accurate.
(Since receiving above from JL, I logged
the 20:15 service two days in a row with
excellent QRG.-ed)

RADIO HANOI, N. Vietnam; (English):
13:00-13:30; 15020, w/propaganda. (TJ)
WRTH has English listed also 10:00-10:30,
15:30-16:00, 23:00-23:30, 5985/9760/9840/
11755/15020.

RADIO TV MOROCCO, Rabat; (English):
17:00-18:00; 7225/11735. 18:00-24:00;
11735 only. 7225 is transmitted from
Sebaa-Aioun, while 11735 is Tangier. (ES)
WRTH reports English 18:00-19:00 on 11725,
so note this change. (ed)

RADIO REPUBLIC INDONESIA:
Palembang, Sumatra, has English
Sat. 16:30-17:30 and Sun. 03:30-04:30.
QRG are 2427 (YDK2) and 4855 (YDK).
(GF from QSL)

Djakarta, Java, (international
service), lists the following English:
23:30-24:00; 6105/9585. 09:00-09:30;
11770. 11:00-12:00; 6105/9585. 14:30-
15:30; same.
19:00-20:00; 9585/11715. (WRTH)

RADIO MALAYSIA, Kuala Lumpur:
Home Scene in English: 22:30-
01:30, 05:30-06:30, 09:30-16:30; 4985/
7295/9660. (Sat. 22:30-01:30; 05:30-16:30.
Sun. 22:30-16:30.) Eight MW run //.
International Service: 06:25-
08:55; 6175/11900/15280. (WRTH)

RADIO BEOGRAD, Yugoslavia; (English);
15:30-16:00; 9620/11735/15240.
18:30-19:00, 20:00-20:30, 22:00-22:15;
all on 6100/7200/9620. (JL/HM)

KOL ISRAEL, Jerusalem; (English);
According to schedule received
here direct, their only Eng. programs
are as follows: 20:45-21:30; 9625.
20:45-21:00, 21:15-21:30; 9009. The other
language schedules as listed varies
greatly from WRTH in sequence.

The Home Scene listing of English
in WRTH may still be valid, since the
Foreign Scene only was included. These
would be found at 05:00-05:15, 11:30-12:00,
18:30-18:45 on 7189 and three MW.

POLISH RADIO, Warsaw; (English):
06:30-07:00; 7125/9540. 08:15-
08:45; (Friday only) 11870. 11:00-11:30;
7145/9675/11800. 18:30-19:00; 6135/
7145/9540/9675. 19:30-20:00; 7125/9525/
11725. 20:30-21:00; 6135/7145/9675.
22:30-23:00; 5995/7125/7270/7285. (JL/HM)

RADIO NEW ZEALAND, Wellington; (Eng.):
06:00-08:45; 9540/11780. 08:15-
08:45 (Sunday only), 9520. 09:00-11:45;
9520/11705. 17:00-19:45; 9755/11780.
20:00-22:30, 15110. 20:00-05:45, 17770.
22:45-05:45, 15280.

Arthur Cushen's DX World: First
Wednesday of month at 06:45 and Sunday
following first Wed. at 23:15. (JB)

RADIO AUSTRIA, Vienna.

The Austrian Radio is now issuing a new nine card series of verification cards. Each shows a scene in brilliant color of one of Austria's nine provinces. A schedule of R. Austria can be found in the September "NewsRoom". Address: Austrian Radio Shortwave Service, P O Box 700, A-1041 Vienna, Austria. (JL)

RADIO BELGIUM, Bruxelles.

"Belgium Speaking" has announced that their new DX program will resume on 18 November and 23 December at 23:05, on 15335/11935. The program will be repeated the day following at 00:50. (JL)

IDXA, Boise, ID.

ANARC has a new associate member as of this month. The Idaho DX Assoc. was formed by a few DXers from Idaho who decided to start their own little club. The publishing headquarters is located in the home of the young man who helped form the club, Frank E. Aden, Jr., 5805 Flamingo Dr., Boise, ID 83704. We, of NASWA, should all wish them the best of luck, we were a fledgeling club once ourselves, and no doubt needed the help of others to get up on our own. Let's not forget them.

SOLMON IS. BROADCASTING: Honiara:

On 23 Sept, SIBS was heard on their new QRG of 7235 at 10:40-11:00. SIBC uses news relays of ABC/BBC, at 11:00 the program being "National News" of ABC. (HM)

We would like to thank the following list of contributors, our largest so far, and reaffirm our past invitation to all the rest of you members, saying that there is a space available for your report item in next month's column, just waiting to be filled. So, let's hear from you, it's not a party unless everyone shows.

NH = NASWA Headquarters,
BP = Bert Pestor
ES = Edward C. Shaw
AC = Angelo Coppola (Italy)
TJ = Thomas E. Jones
JJ = Jim Jankowski
AM = Albert Miller, Jr.
RF = Robert W. Fisher
KS = Kim Stenson
CC = Curne Chadwick

SIBS, (continued):

WRTH gives this schedule for news in English: 19:30, 20:00 (BBC), 20:09, 20:45 (ABC), 02:30 (ABC), 09:00, 10:00 (BBC). QRG given are 3995/7115. I am not certain how often the new QRG 7235 is used. (ed)

TIME CHANGE:

Daylight Savings (?) has ended in October, and many stations alter their NA transmission times accordingly. Be on the alert for such changes and send the information on to us.

FROM MY SCHEDULE BOOK - 03:00;
Austria, 6155/9770/11725.

AFRTS, 9755/15330/17765. Armenia, 17775/17860. Argentina, 6090/9690/11780. ABC, 15240/17870/21540. BBC, 9600/11750/15070. Canary Is. 15365. CBC, 6060/9625/11720. Costa Rica, 9615/9645. China (PR), 15095/15385/17735. Czechoslovakia, 9540/9630/11990. Cuba, 9525/11865. Cyprus, 11955/9650/15420. El Salvador, 5980/9555. Guatemala, 5955. HCJB, 9745/11780/15115. Honduras, 4820. Hungary, 9833/11910/15160. Mexico (XERMX), 6055/9745/11720. New Zealand, 15280/17770. NHK, 15105/15300/17880. Norway, 9550/9610/9645. Portugal, 11840. Philippines, 21515. Romania, 9570/11940/15250. Sicily, 6060/9515. S. Korea, 15430. Spain, 6130/9760. Taiwan, 11825/15345.

WRTH = World Radio TV Handbook
KL = Ken Lyon
RW = Richard E. Wood
BH = Bruce Haines
JL = John M. Leger
AS = Alvin Sizer
LM = Lawrence E. Magne
GF = George H. Fisher
JB = John Banta

Until next month then, all the best, good news, and stay happy!!!!

Anthony

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NEWSROOM
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HANK MICHALENKA - Assoc. Editor
14 Brook St
Central Falls, R. I.
02863

Deadline 15th of the Month

Deadline 8th of the Month

The editors of Newsroom are not able to guarantee the accuracy of any material used in this column, since most items are sent in to us and may not be correct when we get them, and, despite a thorough examination of each, an erroneous statement will, from time to time, slither it's way into our pages. The readers will find, by necessity then, that this editor will make much use of the phrase "correction of last month", in order that each new item/schedule be kept as accurate as possible. The source of most of the information will be in parenthesis immediately following the end of the paragraph, except where I myself have contributed the news and then I will omit the source or sources to save time/space (this will not be true when I comment during someone else's contribution, where I will then use the rather common abbreviation, "ed."). Remember: Time is GMT; 24 hour system, and QRG is KHz.

DACCA, East Pakistan

Radio Pakistan announced Monday (16 November) that the official death toll was more than 41,000 following the recent monsoon-spawned cyclone and tidal waves which devastated the coastal areas of East Pakistan. The broadcast stated that 20,000 bodies were counted in the Barisal district alone, while another 10,000 were found in Patuakhali district, and that "a number of villages in the off-shore island have simply washed away." The cyclone struck Thursday night and early Friday, carrying winds up to 150 miles per hour and tidal waves which swamped whole islands with 20-30 feet of water. The area hit covered 10,000 square miles of territory with a population of more than five million.

On Tuesday, The Pakistan Times said that officials compiling the death toll feared the figure may reach one million. At that time 53,000 were known dead, while Dacca officials estimated as many as half a million may have died in some areas.

I have included the above in this column, both because of the enormity of the disaster (it will surpass the earthquake in Equador in the number of total deaths), and because it will definitely affect what listeners will hear on SW from Radio Pakistan for some time.

NEW BOOKS CONCERNING SWL

Popular Electronics has announced the publication of their ninth annual edition of the "Communications Handbook." NASWA member, Dr. Richard E. Wood, authored material in this 1971 volume. A "special" catalog of receivers as well as the usual list of radio clubs are advertised to be in this edition.

A new book offered by SWL Guide is "SWL Antenna Construction Projects" by Edward M. Noll, which details a variety of antennas planned for optimum short-wave results, and permits the reader to select one or more antenna systems that can be tailored for a specific need. 128 pages; 5 1/2 x 8 1/2; softbound, selling for \$2.95.

DECEMBER HOLIDAYS

Avery Merry Christmas on 25 December, and I sincerely hope that it will be one of peace throughout the world.

A Happy Chanukah, also, from 23 to 30 December, for members who don't necessarily celebrate Christmas, and may you be blessed with the same hope of peace as above. (it is interesting to note that both of these holidays are, in effect, to celebrate the coming of peace.)

RADIO AUSTRALIA, Melbourne

English language schedule as taken from ABC bulletin: To UK/Europe; 0:45-07:45, 9560/11710. To Africa; 03:30-0:500, 15105/17820. To Mid Pacific Is; 20:00-08:30, 15160. 08:30-12:12, 7205. 18:00-00:30, 11840. 18:00-22:00, 9540. To Asia/ NW Pacific Is; 08:59-15:00, 15140. 11:00-12:00, 9580. 11:00-12:12, 11810. 21:00-00:15, 15240. 21:00-23:00, 17715. To NA; 01:00-3:00, 15320/17820/21740. 11:15-12:15 (note this time change from 12:15 to 11:15, and back to just an hour in length), 9580/11710. To NZ/ South Pacific Is; 02:00-08:00, 15240. 06:45-09:15, 9560/11710. 18:00-22:00, 11930. To Asia; 21:00-01:00, 15320. 22:45-09:30, 17870. 01:00-10:30, 21540. 07:00-08:00, 15320. 08:00-11:30, 21485. 08:00-12:30, 15355. 09:30-17:30, 11880. 11:00-15:00, 9570. 14:30-17:30, 9550. 15:00-17:30, 11740.

YLEISRADIO (RADIO FINLAND), Helsinki

English to NA; 02:00-02:30, 9585. To Europe; 18:00-18:30, 9550/11755/15185. (Good thru 07 March, 1971). "Hear Finland", bulletin No.4-70, makes a point that no return postage is necessary with reports (written or taped) to receive their new QSL. (JB, RF, JL/HM, and direct).

RTB - RADIO BELGIUM, Bruxelles

English programs, "Belgium Speaking", are now broadcast at 23:05 and 00:50 on 15335/15420. (JL/HM) WRTH has first time as 22:05, make note of this change.

RADIO HABANA CUBA

English schedule to 31 January, 1971, 20:10-21:40, 17705. 20:50-21:50, 15285/17715, 01:00-04:50, 9525. 01:00-06:00, 11840. 03:30-06:00, 11760. 06:30-08:00, 9525.

"On 01 May, 1971, it will be ten years since our short-wave radio station was founded. On this occasion, we convene our eighth international contest, titled: "Radio Havana Cuba's Tenth Anniversary Contest". The theme of this contest is in this question: "What is the significance of Cuba's victory at Playa Giron to Latin America?", to be answered in 500 words. Closing date is 31 March, 1971, so mail soon. (condensed from information received directly.)

RADIO DAMASCUS, Syria

(appendage November NR); English, local programing: 08:00-09:30, and 20:30-22:00, 5960 & NW. (WRTH) Arabic, local programing: 00:30, 15165/15290 seems to be getting to ECNA w/strong QSA. (ES)

POLISH RADIO, Warsaw

(appendage Nov. NR); English to NA, Saturday 03:15-03:45, 11870 - (this is quite different than 08:15-08:45 as reported last month; are both times used, or is one a typographical error on contributor's part?). Poland has also begun to use some English in with programing at 02:00/03:00, 7125/9540/9550/11800/11815/15275. (JG) Nov. NR gave Eng. to Europe; the following to Eng. to Africa: 13:00-13:25, 15275/17865. 19:00-19:25, 9525/11815. (WRTH)

RADIO BUCHAREST, Romania

Eng. to NA: 01:30-02:30, 03:00-03:30, 04:30-05:00, 9510/9690/9570/11810/11885/11940/15250. To Europe: 13:00-13:30, 11940/15430; 19:30-20:30, 9510/11940; 21:00-21:30, 9690/11775. To Pacific Area: 06:45-07:15, 15250/17850. To Asia: 15:00-15:30, 17760. and To Africa: 11:00-11:30, 11775/15430/17850. (JG)

RADIO BUDAPEST, Hungary

English; 01:00-01:30, 6175/6165/9833 11910/15160/17890/21685. 03:00-03:30, 04:00-04:30, 6165/6175/9833/11910/15160, 08:00, Wednesday only, 11910/17160/17800/21685. 10:15, Friday only, on same JRG. 19:30-20:00, 21:30-22:00, 6065/6145/7100/7220/9833/11910/17890/21665. (direct)

RADIO PORTUGAL, Lisbon

English; 02:00-02:45, 03:45-04:30, 6025/11935/15125. 03:00-03:45, 11840. 07:30-09:00, 17880/21495. 13:45-14:30, 17895/21495. 18:15-19:15, 11935/21495. 20:45-21:30, 6025. (22:45-23:30, MW, 755/1061). (direct)

LIMASSOL, CYPRUS

Received this in letter, 10 Nov. "Thank you for your reception report and recording of relay from the East Mediterranean Relay Station (BEC), Cyprus, which has been sent on to the appropriate department.": a pre-verification perhaps?

ORF, RADIO AUSTRIA, Vienna

(correction Oct. NR): "---; The South American Service, currently on 9690, does NOT parallel the North American Service on 9770/6155. It consists PRIMARILY of German and Spanish. I thought it did, but rather extensive monitoring by me has indicated otherwise. The central American Service on 15145 DOES seem to parallel the North American Service. As I have noted multi-service frequency identifications, I think that certain portions of the broadcasting time are relayed for North, Central, and South America, probably music - - - ." (This is from a letter received from BM)

ORTF, RADIO FRANCE, Paris

(appendage Nov. NR); English, 05:15-05:30, 7155/7255/9700/11920/11930/15295/17730. 11:00-11:15, 17720/15295/21580. 20:15-21:00, 15295/17720*/21580. (*other sources have this as 11730; did someone press a wrong key? The 20:15 service is strong here, you should give it a try. -ed). (AI)

VATICAN RADIO, Vatican City

English to NA; 00:50, 9615/11725/15285. (supplements Oct. NR) (AI)

RADIO 4VEH, Haiti

English; Monday thru Saturday, 06:00-10:00, 18:30-21:05. Sunday, 06:00-10:00, 12:00-16:00, 18:30-21:05. 4VEH is one of several calls issuing from Haiti, each one with a different frequency: 4VEF=0830, 4VEC=1035, 4VSO=2450, 4VE=6120, 4VEH=770, 4VEJ=11835, 4VWI=15280. The address of these is: Boite Postale 1, Cap Haitien, Haiti, West Indies. (MM)

(I want to caution the reader on one point concerning this schedule, that is, that 4VEH does not specify time in GMT or local, and I have not yet been able to verify either way. It will have to be left rather unsolved with this edition - ed.)

RADIO MOSCOW

English to NA; 22:00-22:30, 23:00-23:30, 7290/7120/7150/7200/9610/9650/9660/9680/periodically 9760/11850/11960. 00:00-00:30, 01:00-01:30, 7150/7200/9650/9660/9680/ per. 9760/11850.

01:30-03:00, 7150/7200/9650/9680/9700/9800/per. 9760/11900. 03:00-03:30, 04:00-04:30, 7150/7200/7290/9660/9680/9700/9800/per. 9760/11900. 04:30-05:30, 7150/7200/7240/7290/7310/9610/9640/9660/9680/9800/per. 9760/9700/11860/11900. WCNA, 03:30-06:00, 9580/11690/15140/15180/17770/per. 7170/9540/12050/15180/17770. 06:00-07:30, 7170/9580/9730/11690/11850/per. 9540/12050/15180/17770. (direct)

ALL INDIA RADIO, New Delhi

Not much information is ever received about/from this station, so I compiled the following from WRTH, no guarantee of accuracy naturally.

Home News in English, with some of the frequencies used.

01:10-01:15, 9645/9740/11875. 02:45-03:00, 9705/11710/15310. 05:25-05:30, 9705/11715/15170. 08:00-08:10, 9705/11715/15105. 10:00-10:05, 9705/11865/15140. 12:30-12:35, 9535/11850/15430. 15:30-15:45, 9575/9765/11855. 17:00-17:05, 7285/9765/11855.

General Overseas Services, English; 10:00-11:00, 11725/15105/15430/17800/21485. 13:30-15:00, 11810/15335. 17:45-20:00, 7215/11620/15080(3/4 hr.). 19:45-20:45, 9690/11960/9912. 20:00-22:30, 7215/9912/11620(1/2 hr.). 20:45-22:30, 11740. 22:45-24:00, 7235/9530/11710/11895/15340. 00:00-01:15, 7235/11895(1/2 hr.)/9530(3/4 hr.)/11710/15340. 00:30-01:00, 15235(1/2 hr.)/17705(1/2 hr.).

RSA, Johannesburg

Eng to Africa/Middle East; 04:15-04:27, 7270/9525/17805/15220, 04:30-04:42, 7270/9525/11900/15220/17805. 05:00-05:12, same. 06:30-06:42, 21535 replaces 9525. 11:00-15:50, 11900/15220/21535/25790. 16:00-16:50, 9525/11875. 20:00-20:50, 7270/15175/15250/21480. 21:00-21:50, 11900/15175. 09:26-09:46, 17825/21535/25790. To NA; 23:30-00:20, 00:30-01:20, 01:30-02:20, 02:30-03:20, 9695/9705/11875. To UK; 18:00-18:50, 15250/21480.

To Australasia; 08:00-08:50, 17815/21545. 10:00-10:50, 15200/15220/17815. (direct.)

RTG, RADIO GABON, Libreville

As a follow-up to an item in our October NR, we are happy to report that Al Sizer did, in fact, receive a QSL from RTG, the first reported in NASWA in over Three years. I will leave the description of same for the QSL Column, but the news was too fantastic to omit from NR.

RADIO SWEDEN, Stockholm

00:30-01:00, 5990. 02:00-02:30, also 5990. 03:30-04:00, 9725. 05:15-05:45, 11895/17840. 11:00-11:30, 9625/15315. 12:30-13:00, 9715/21690. 14:00-14:30, 15240/21585. 16:00-16:30-6065/11930. 19:00-19:30, 11780/15240. 20:45-21:15, 6065/9715. 22:45-23:15, 1178 (MW). (direct/JB)

RRI, RADIO REPUBLIC INDONESIA, Palembang, Sumatra (appendage Nov. NR)

The following is from a letter Bruce Haines received from RRI:

"RRI operated on 4855 KHz daily from 22:30-01:00, 05:00-07:00, and 09:00-17:00 GMT, consisting of news bulletins, regional as well as national, talks on politics and other social events, sports items, children programs, women sessions, poetry, drama, quiz shows, Mosque and Church services, rural broadcasting and commentaries. In between we have Indonesian as well as Eastern music and songs. We also broadcast an English program on every Saturday evening at 16:30-17:30, and every Sunday at 03:30-04:30."

"Our station is a regional one, which has to cover South Sumatra, but because of the short-wave we have been using, it can be heard in some far distant countries. (continued at top)

NASWA has had a bit of a setback, with Mr. Eddings' illness, and the lack of a publishing source for the month of November. For this reason, I am certain, the list of contributors is rather short, but obviously excusable. During the month of December I want all of you to take the time to write two letters, one to me with contributions for your NewsRoom, and the other to Mr. William Eddings, 2111 6 (PO Box 989), Altoona, PA 16603, wishing him the very best that a great gentleman like himself deserves.

- RF = Robert W. Fisher
- JL = John M. Leger
- ES = Edward C. Shaw
- BM = Bill Matthews
- MM = Mrs. Mildred Marshal

- JB = John Banta
- AS = Alvin Sizer
- JG = John Gager
- AI = Albert S. Ilgenfritz III
- BH = Bruce Haines

WRTH = The Old Stahdby

Until now, we have received reception reports from Sweden, Finland, United Kingdom, Japan, The United States of America, Canada, Malaysia, and Australia. Our transmitter is a 10KW Gates, linked with two wires dipole antenna, stretched from northeast to southwest at the height of circa 19 meters. Our mission is to give sufficient information to our PEOPLE; what the government is doing and what is going on in our country, to give educational messages, and, last, but not least, good entertainments. Radio is a very efficient mass communication medium in Indonesia. We use it as a nation building medium. Indonesia, which consists of more than 3,000 islands and populated with approximately 120 million people with several hundreds of ethnological customs, can be united through RRI. We don't have any difficulties in language, because every Indonesian, our national language, although every region has it's own dialects." (BH)

(Take note anti-short-wave propagandists, some of the so called "backward countries are far out in front when it comes to the logical and efficient use of the tools at their disposal, in this case radio. Those who claim national short-wave stations to be a total waste of time/money ought to see what the SMART governments are able to do with it. - ed.)

SOMALI DEMOCRATIC REPUBLIC, Mogadiscio, English broadcast; 17:30-18:00 on 6105 only (been known to drift as low as 6097A). (HN)

"Kindness is the language the dumb can speak and the deaf can hear." (John Vargas)
May all your news be good - Stay Happy.

QQQ

SSS

LLL

RRR

EEE

PPP

OOO

RRR

TTT

GREGG A. CALKIN, EDITOR
131 Cooper Street, Apt. 903, Ottawa 4, Ontario
CANADA

MERRY CHRISTMAS AND A HAPPY NEW YEAR

Deadline, 15th of the month

NASWA STATION COUNTING RULES

Since the addition of the station counting factor to the NASWA Scoreboard, questions have come up concerning what should, and what should not, count as a station. The NASWA Country List Committee therefore has prepared the following guidelines for members' use.

Like the NASWA Country List, these rules are a combination of logic, tradition and "feel". They have been drawn up to allow a uniform basis for listing stations heard and verified in the Scoreboard, as well as the personal operational use of NASWA members.

Administration of these rules, questions on interpretation etc. will be under the jurisdiction of the NASWA Country List Committee, Don Jensen, Chairman, with the NASWA Board of Directors.

1. An SWBC station shall be a station whose fundamental frequency lies in the radio spectrum range between 1,605 and 30,000 kHz.
2. Whose broadcasts are intended for reception by the general public. In addition to normal "broadcast stations relaying programs to the public", this point shall also include:
 - a. standard frequency and time stations
 - b. satellite stations transmitting intelligible material (Chicom I and the like)
 - c. Cable and Wireless or other stations when carrying broadcast programming intended for general reception, not voice mirrors etc. or point-to-point relays.
3. Air-radio stations carrying regular weather reports, ship-to-shore, military, etc. will not be considered SWBC.
4. Each transmitter site of a broadcasting organization shall constitute a separate station. Any move in transmitter site shall create a new station. With respect to an organization's multiple transmitter sites, unless an organization is widely known to use a specific site on a specific frequency at a specific time (e.g. RIAS), verifications should show transmitter site before credit is claimed.
5. Although many broadcast organizations operate several transmitters at a given site, the near-impossibility of identification of the various transmitters rules out counting separate transmitters at the same site.
6. Different services of the same broadcast organization do not count as separate stations, i.e. the CBC Northern Sce., R. Peace and Progress, Radiostansya Atlantika, I.C.R.C., Norea Radio, CBC over BBC, etc. Of course these stations may be counted in themselves, but the organization owning the transmitter used could not be re-

counted when using that site itself.

7. Point to point feeds of programmes from an organization's main station to its re-
lay station will not count as a separate station.
8. Transmissions of a single broadcast organization on various frequencies may only
be counted once. The use of multiple frequencies does not create as many new
stations as frequencies used!
9. A change of station ownership through sale, independence of the country or revolu-
tion will constitute a new station when coupled with changes in call or slogan.
10. In cases such as the Vatican City and Monaco, where studios are in one country as
announced on the air, but where the transmitters are located a few miles away, in
a different country, the studio location will count for country credit, providing
no alternative exists to hearing the country in question. Similar situations which
may occur in the future will be considered on a case-by-case basis by the NASWA
Country List Committee.

Any questions of a general nature or concerning specific cases should be directed
to the NASWA Country List Committee, c/o NASWA Hq.

SCOREBOARD

N°.	Name/Location	HIC/VIC		HIS/VIS		S.A.		S. AMERICA PRIZED QSL
						HIC/VIC		
1.	Don Jensen, Wisconsin	203	200	---	---	15	15	Falkland Is, 3958 kHz
2.	Bob Padula, Australia	199	187	---	---	12	10	R. El Espectador, Ur.
3.	Barry Williams, New Zealand	196	187	---	---	13	10	R. Demerara, 3265 kHz
4.	Gerry L. Dexter, Wisconsin	191	188	794	568	13	13	Bridgetown, 10528 kHz
5.	Bill S. Sparks, California	184	179	---	486	14	14	Voz de Galapagos 6255
6.	Dan Henderson, Maryland	182	155	---	---	13	9	R. Bucaramanga 4845
7.	Marlin A. Field, Michigan	181	175	638	502	13	13	R. Altiplano, La Paz
8.	Dr. T. B. Williamson, Ontario	180	168	---	389	--	--	-----
9.	Roger Camire, N. H.°	180	107	---	---	13	6	ORTF, Cayenne, 3385
10.	Alan H. Roth, Connecticut	179	161	483	365	13	13	AVROS, 15227 kHz
11.	James W. Young, California	177	126	---	---	--	--	-----
12.	Wendel Craighead, Kansas	176	155	---	---	13	12	AVROS, 15405 kHz
13.	Robert Shepherd, Australia	170	151	---	---	--	--	-----
14.	Alvin Sizer, Connecticut	170	144	426	160	13	11	R.El Espectador 11835
15.	Edward Shaw, Connecticut	166	137	386	221	14	11	R. Litoral, Bo. 5025
16.	David L. Potter, Fla.°	160	---	395	---	14	--	R. Junin, Peru, 3300
17.	Dan Ferguson, Florida	160	---	374	---	12	--	-----
18.	Craig Koukol, Illinois	154	118	220	128	12	12	R. Encarnacion 11948
19.	Arthur Poulis, Massachusetts	154	113	---	---	11	5	Guyana, 3265 kHz
20.	Kris Lemna, Indiana	153	116	---	---	--	--	-----
21.	Del Hirst, Texas°	150	104	341	108	12	9	R. Yaracuy, Ven. 4940
22.	Bruce W. Churchill, Calif.	147	121	---	---	8	6	AVROS, 15405 kHz
23.	Gregg A. Calkin, Ontario only	144	110	212	134	12	10	R. Santa Rosa/Peru 6045
24.	A. E. Martin, England	143	131	---	---	11	8	R. Zelaya, Nicaragua
25.	Christopher Lobdell, Mass.	140	116	240	154	12	10	R. Loreto/Peru, 5010
26.	Bob Hagerman, Michigan	139	111	371	157	11	9	R. Continente, 5030
27.	Mike Macken, Massachusetts	138	78	---	---	9	4	R. Euzkadi, 15080 kHz
28.	Richard Anderson, Illinois	130	115	---	160	11	6	R. Guatapuri, Colombia
29.	Bill Martin, Delaware	127	79	---	---	9	5	R. Demerara, 5980 kHz
30.	Bill Eddings, Pennsylvania	122	103	168	151	13	7	Uruguay, 9620 kHz
31.	Ralph Perry, Illinois°	122	89	---	---	--	--	-----
32.	Danny Jamison, Virginia	118	50	207	---	--	--	-----
33.	Tom Neely, Michigan	117	101	---	---	11	8	LOL, Argentina, 15000
34.	Andrew Pappas, Illinois	116	98	113	94	--	--	-----

35. Richard L. Murphy, Texas	116	92	---	---	10	7	HC2AK, 4650, Ecuador
36. Michael Seth, New York	116	73	253	81	--	--	-----
37. George Schnabel, New York	113	90	---	---	8	7	CP75, La Paz, Bolivia
38. Al Reynolds, North Carolina	113	82	178	95	9	4	Radio Globo, 11805
39. David R. Alpert, Illinois	112	93	---	---	6	4	Cayenne, 3385 kHz
40. Terry Adkins, California	112	55	134	61	--	--	-----
41. Thomas Henry, New York	111	76	174	86	10	5	Cayenne, 3385 kHz
42. Steve Kamp, Texas/California	110	91	---	153	10	10	HCVC3, 5120, Ecuador
43. Greg Kelley, Virginia	110	68	130	75	--	--	-----
44. Henry Michalenka, Rhode Island	107	80	145	91	11	9	Guyana, 3265 kHz
45. James S. Hurst, Maryland	105	89	146	120	10	8	ORTF/Cayenne 3385
46. Jerry L. Green, Virginia°	105	81	132	81	8	6	R. Soc da Bahia, 11875
47. Richard S. Heggs, B. C.	103	85	141	100	--	--	-----
48. Carroll R. Patterson, Georgia	102	85	240	131	10	8	OAXAK, Peru, 9625 kHz
49. Jerry L. Stuart, Oklahoma	100	88	150	135	5	2	HCJB, Quito, Ecuador
50. John Zaharek, Connecticut	100	87	161	123	9	6	R. Demerara, 3265 kHz
51. Dr. Price Kagay, California	98	87	---	---	6	5	-----
52. Barry Glassberg, New York	98	75	---	---	7	4	R. Demerara, 3265 kHz
53. Harold Kalkstein, Pennsylvania	95	55	130	65	7	3	WIBS, Grenada, W.I.
54. Kim Stenson, Vermont	94	68	128	77	8	7	R. Demerara, 3265
55. Leon Segal, New York	93	54	---	---	-	-	-----
56. Mario A. Sala, California	92	49	124	55	9	5	R. Rumbos, 9660, Ven.
57. Alan Jeeves, Pennsylvania/D.C.	92	23	---	---	7	0	-----
58. Thomas B. Alleman, New York	91	79	117	99	7	3	Voz de Medellin, 5050
59. Dr. Wm. G. Caldwell, California	91	72	---	---	-	-	-----
60. Dennis P. Driscoll, N. C.	90	60	150	85	-	-	-----
61. Irwin Glasberg, P. Q.	88	79	153	105	5	5	R. Nac. Venez. 6170
62. Bob Kirkpatrick, B. C.°	88	71	97	79	6	3	RAE, 11710 kHz
63. Jean Burnell, P. Q.	87	63	141	87	7	4	R. Demerara, 5980 kHz
64. Stanley D. Mayo, Maine°	85	79	---	---	6	5	Chile, 9600 kHz
65. Tom Walsh, Massachusetts	84	26	105	26	4	2	RAE, Argentina, 9690
66. Harry Smith, Ohio	83	75	---	---	3	3	R. Demerara, 5980 kHz
67. Thomas E. Jones, Minnesota	83	49	130	62	7	1	-----
68. Ron J. Ponke, Michigan	83	33	114	38	9	4	R. Brasil Central 4995
69. Lawrence Scoville, New York	82	75	122	105	6	5	R. Nueva Granada/Col.
70. David Volle, Illinois	82	65	122	82	-	-	-----
71. John Mraz, Pennsylvania°	82	61	111	71	13	6	R. Rumbos, 4970 kHz
72. John T. Soneff, Louisiana	81	62	137	69	7	5	-----
73. Peter Rudolph, California°	81	62	88	64	6	4	R. Union, 6115 kHz
74. David M. altimore, Penna.	81	59	---	---	-	-	HCJB/Quito, Ecuador
75. Kevin Klemen, Wisconsin	81	29	116	32	4	1	-----
76. Ken Lyon, New York	80	71	109	79	5	5	Radio Globo, 6035 kHz
77. Kevin Brown, Michigan	79	57	140	69	1	1	HCJB/Quito, 9745 kHz
78. John W. Hartman, New York°	79	57	107	84	7	2	RAE/Argentina, 9690
79. George Morgenstern, Minnesota	79	48	91	54	2	2	R. Pres. Bal/Chile
80. Kim Elliott, Indiana	77	53	99	62	5	1	HCJB/Quito, 11915 kHz
81. Robert Moser, Illinois	76	60	--	90	7	4	R. Nacional/Lima 9562
82. D. J. Weber, Ohio	75	68	---	---	-	-	-----
83. John W. Banta, New York	75	63	90	72	6	2	R. Nacional/Colombia
84. Martin Kane, New Jersey	75	55	85	57	3	2	R. Demerara, 5980 kHz
85. Mark Duba, Vermont	75	48	89	59	-	-	-----
86. Andrew Rugg, Ontario	74	64	121	105	7	6	CE950/Chile, 9570 kHz
87. John Hedstrom, Illinois.	74	59	86	65	-	-	-----
88. Larry Zamora, Texas	74	58	111	76	5	3	R. Libertador 3245
89. Scott Moeller, Pennsylvania	72	41	85	47	4	1	HCJB/Quito, Ec. 11915
90. Les Gaynor, Michigan	71	47	97	53	-	-	-----

(On the preceding page, #15, Edward Shaw is erroneously listed as QTH Connecticut. While that beautiful country does appeal to me, I am at heart and in fact a Virginian).
(Ed Shaw - HQ)

91. Peter Taylor, Ontario	71	46	103	48	6	2	R. Juventud, 4900 kHz
92. Robert E. Byers, Jr., Ontario	70	62	85	70	-	-	-----
93. Alan Macnaughton, Ontario	70	50	83	55	-	-	-----
94. Richard Loustau, California	70	43	83	47	6	3	-----
95. Greg Barman, Illinois°	70	30	83	35	3	1	HCJB/Quito, Ecuador
96. Bob E. Estand, Texas	69	68	83	82	3	3	RAE/Argentina, 9690
97. Don Anthony, Connecticut	69	33	99	40	3	1	HCJB/Quito, 15115
98. Edward J. Pyatt, Georgia°	68	65	80	75	-	-	-----
99. John A. Figliozzi, New York°	68	14	88	14	4	1	HCJB/17895, Ecuador
100. Terry R. Hicks, Florida	67	44	83	57	-	-	-----
101. Mrs. Mildred Marshall, N. Dak.	66	63	97	85	-	-	-----
102. John Weber, California	66	45	71	47	-	-	-----
103. Len Hoskins, Wisconsin	65	64	103	92	4	1	-----
104. Mark Mohrmann, New York	65	53	117	78	-	-	-----
105. Ira Wagner, New York°	63	23	---	---	-	-	-----
106. David Dunn, Texas°	62	53	113	64	-	-	-----
107. Geoff Oates, B. C.	62	52	78	69	3	3	R. Continente, 5030
108. Don Adams, North Carolina	60	50	63	53	2	2	Radio Globo, Brasil
109. Bert Adams, Ontario	60	49	---	---	3	2	Argentina, 11710 kHz
110. Chris Kennedy, Maryland	59	47	60	47	2	1	HCJB/Quito, 15115 kHz
111. Paul M. Steen, Guam°	58	50	81	67	-	-	-----
112. Brent Hailpern, Colorado	57	34	83	44	-	-	-----
113. John Walenter, Illinois	56	40	--	--	-	-	-----
114. Guenther Tumas, Pennsylvania	56	31	64	33	2	1	-----
115. Angelo Coppola, Italy	52	43	64	52	1	1	HCJB/Quito, 11755 kHz
116. John Gager, Idaho	51	35	57	38	3	1	HCJB/Quito, 11745 kHz
117. Steven P. Fix, New York	50	31	88	--	-	-	-----
118. Ron Bruns, Missouri	50	27	61	34	2	1	HCJB/Quito, 9745 kHz
119. Bob Peritz, New York	49	45	56	51	5	3	R. Barquisimeto, 4990
120. Dan Kening, Illinois	48	36	57	37	-	-	-----
121. Tom Blossom, Indiana	48	37	53	39	5	5	R. Nacional, Brazil
122. John L. Callaway, Tennessee	48	25	55	29	-	-	-----
123. Edward Fudman, Maryland	40	28	43	30	-	-	-----
124. Steven Handler, Illinois	39	31	42	31	-	-	-----
125. Ivan Grishin Jr., Ontario	38	27	--	--	1	1	HCJB/Quito, Ecuador
126. Anthony Marks, Oregon	37	31	44	38	-	-	-----
127. John L. Kolb, California	35	21	37	23	-	-	-----
128. Cal Cornils, California	33	31	42	39	-	-	-----
127. Mike Clyburn, Florida	28	24	28	24	2	2	R. Nacional, Ven 5020

QSLs RECEIVED

AFGHANISTAN: Kabul, 15265/17745, white map/flag card by air in 6 wks for 1-IRC. (Berg) 48 days for 2 IRCs; full data (Scoville) 5 weeks (Brode)

ALGERIA: Algiers, 15365, white card w/green lettering in 1 month (Drake) 2 months for aerogram rpt in 11835 (Perry)

ANGOLA: Voz de Angola, 5960, cd showing scenes of Luanda in 3 months after f/up (Alpert)

ARGENTINA: RAE, globe card in 2 1/4 months seamail. No IRCs (Kalkstein)
 ... Radio Nacional, LRA31, 6060, Spanish letter and two booklets on station in 18 days registered airmail and returned IRC. V/S: Anthony Alvarez, Jefe Seccion Transmision Departamento Radiodiffusion (S. Kamp)

ARMENIAN SSR: Moscow sent card "via Yerevan" in 6 weeks for 21505 (Sizer)

ASCENSION IS: BBC, 9510, Thames card w/relay site typed on reverse; 38 days seamail. No IRCs; (Romanchik) letter direct from P.R. Stebbings, Presentation/Administration Officer saying all reports will be sent to London, but confirmed my report. 2 months air for mint stamps. Thames cd also de London (Berg) cd w/verie stmt only (Grishin)

AUSTRALIA: VIQ9, Brisbane, 9660 blue/wlack map card sea in 3 months w/full data (Calkin)

AUSTRALIA: VLA9, Perth, blue "map" card, letter w/station info, complete and correct in 9 weeks airmail. 3 IRCs (Estand) (S. Kamp)
VNG, 12000, folder card w/full data in 2½ months and returned my 4 IRCs.//

AZORES: Ponta Delgada, 4865, beautiful ship card in 2 days from Lisbon. 2 IRCs (Stenson)

AUSTRIA: ORF, 9770, p/card, rpt form, sked, tourist info and photos of Austria; 1½ months air (Banta) 2 cards in 1 month air (Leger) scenic card for 2 rpts. 12 days; no IRCs (Drake)

BELGIUM: ORU, card w/full data, sked and mailbay transcript. 7 weeks; no IRCs (J.Weber)

BOLIVIA: R. Illimani, 4980, letter & p/p/card confirming reception of RI as result of rpt to R. del Estado/4980. Reply was from the Ministerio de Informacion from the same address as that listed in WRTVH for R. del Estado on a R. Illimani letterhead. 8 wks; V/S: Roberto Cuevas Ramirez, Director; mint stamps sent (Sparks)
R. La Cruz del Sur, colorful card, letter and pennant in 4½ months for regis. f/up. 3 IRCs sent (V/S: Phillip D. George (Haines) color card in 5 months (Hurst) 5025, cd in 40 days apologizing for delay (Sizer) 3 IRCs; 1½ months; rpted in Spanish (Volle)

BOTSWANA: Radio Botswana, beautiful card in 1 wk for reception in Rhodesia (Drake) 19 days air; 3 IRCs (Koukol) 2 wks air for registered f/up (G. Fisher)

BRAZIL: Radio Excelsior, 15265, 2 cards and handwritten letter from Newton R. Oliveira, Dept. Tecnico. 13 days air after 7th try (Dexter)
Radio Guaiba, 11785, folder in 5 wks for English rpt w/2 IRCs. Card in English via air, all details and good wording. Shows aerial view of Porto Alegre (Heggs) 1 month for 5965; rpted in English w/2 IRCs (Glasberg)
Radio Inconfidencia, 6000, letter in Port/Eng w/full data, for mint stamps. 25 days seammil (Stenson)
Radio Jornal do Comercio, Recife, 15145, card, personal letter and coins from Senhora Marluce Britto in 126 days seammil. Rpted in Eng. w/used commemoratives. QSL is in English w/full data. 3 IRCs (Michalenska) 6088, 27 days air for for 1-IRC (Watman)
Radio Universitaria Santos Dumont, 17725, letter air in 14 days after f/up. V/S: Ronaldo M. Reina, Secretario (Dexter)

BRITISH HONDURAS: Belize, 3300, card in 1 month air for 2 IRCs (R. Murphy) 42 days for 1-IRC from V/S: Chief Broadcasting Officer (Watman)

BRUNEI: Radio Brunei, 7215, nice yellow and green card picturing map, oil well and mosque. V/S: N.J.A. Frigout, C.E. 4 weeks air for registered rpt + IRC. (Berg)

BULGARIA: Sofia sent Pamporavo cd, rpt forms in 6 wks air for 2 IRCs. (Leger) Sofia U cd in 10½ wks; no IRC (Weber)

BYELORUSSIAN SSR: Card stating "via Minsk" from Moscow; 5 wks (Sizer) 15150 (Hicks)

CANADA: CJCX, Sydney, 6010, card in 1 week; no IRCs (Kusalik)
CFVP, Calgary, 6030, photo card of xmtr site and all data, except time. 10 days for 1-IRC (Berg) 10 days (Byers)
CKZU, Vancouver, 6160, card in 6 days for airmail stamp. V/S: G. McGrath (Hall) 3 weeks for 1-IRC (Brode)

CANARY IS: RNE, 15365, full data card indicating Tenerife; 1½ months air. 3 IRCs; rpted direct in English (Byers) antenna card in 3 months for 11800; Rpted in Spanish w/mint stamps (Loustau) 3 months w/location stamp (Brode)

CENTRAL AFRICAN REPUBLIC: Bangui, 5035, brown/yellow OCORA card in French by sea in 7 months. Rpted in French, registered w/mint stamps (Lobdell) Cd for Fr. rpt on 2nd try in 18 days, from the "Director des Services Techniques". (Sizer)

CEYLON: Radio Ceylon, 15120, "Orchids of Ceylon", cd in 2 wks air; rpted/rcvd direct from Colombo (Hurst) 18 days air for 3 IRCs (Marshall)

COLOMBIA: Radio Nacional, 4955, card in 28 days w/2 IRCs. Rpted in English (Peritz)
Transmisora Caldas, HJFW, 5020, sent Spanish letter w/date and confirmation statement in 2½ weeks air; also pennant. Rpted w/NASWA Spanish form & 3 IRCs (Byers)

CONGO (DEM REP): Kinshasa, letter from V. Nikuna after 2nd f/up; 4 months (Perry)

COSTA RICA: Radio Casino, card and small green pennant in 11 weeks; returned 2 IRCs (Henry)

TIFC, new card and letter from Ronald D. Armstrong, English program director; 2 months after f/up. 5 months total (Anderson)

CUBA: Habana, 9525, card in 350 days airmail. Full data; no IRCs (Scoville) nice card in 8 months (Bodker)

CYPRUS: BBC Limassol, Thames card from London in 2 months seamail. No IRCs (G. Fisher)

DAHOMEY: Cotonou, 4870, card in 8 months. Card has sked handwritten sked on reverse. 3 Ircs. Took f/up (Perry)

DENMARK: Radio Denmark, 11790, map card of Denmark after 2 f/ups (Drake)

DODECANESE IS: VOA/Rhodes, 11915 sent nrml card in 11 days for no return postage. V/S: Lisa Shimko (Michalenka) card omitting time in 2 weeks (Eby) 11915, card in 8 days (Lobdell) 15160, 1 month w/out site. V/S: W. E. Dulin (Lobdell) 3 weeks (Kusalik) 11 days (Scoville) 2 weeks (Glasberg)

DOMINICAN REPUBLIC: Em. Cultural, La Voz de las Fuerzas Armadas, 4825, letter, pennant, stamps and book on Sto. Domingo. V/S: Miguel A. Crinton Romero, Comodore M. de G., Director General y Administrador de la Emisora Cultural. 2 months after f/up (Dexter) 3½ months seamail (S. Kamp)

ECUADOR: Casa de la Cultura, 4932 kHz, card showing 4 scenes of Quito in 1 month airmail. Rpted in Spanish w/mint stamps (S. Kamp)

HCJB, 11745, beautiful Church of Guapalo w/full data in 1½ months. Mint stamps sent; reply by airmail. V/S: Robert C. Moore (Lobdell) 4 months for 1-IRC (Berg)

EL SALVADOR: YSS/9555, blue/white card and small pennant and travel folders in 1 month air.v/s: Director. 2 IRCs and local p/c (Burnell)

ENGLAND: BBC, 3 full data cards for rpts mailed to NY office. 3 months (Leger)

VOA relay, 17780, card in 12 days air from Washington. No time (Leger) 15205, 5 weeks (Bruce)

CBC (via BBC), 15390, 25th Anniversary card from Mtl in 3 wks. Rpted on CBC form (Carlson)

ESTONIAN SSR: Kingsiepepp, card via Radio Moscow (Dexter)

Tallinn, 6085, 3 different cards for 3 days of reception, in English. Beautiful cards. 3 IRCs. 5½ months surface (Field)

FIJI: Suva, 3284, Suva Street scene w/frequency and QSL message. 2 months air from 3 IRCs (Perry)

FINLAND: Helsinki, 15185, card, w/map of Finland in 46 days air w/sked. 1-IRC. Full data (Jamison) new card showing outline of Finland encircled w/headphones. 10 weeks air (Leger)

FRANCE: ORTF, Paris, 6175, orange/black/white card & sked. 14 days air w/complete and correct info. 3 IRCs (Estand) 15295, photo card in 5 months (Berg)

FRENCH GUIANA: ORTF, Cayenne, 3385, mimeo letter w/date and frequency from C. Pierre, Chef d'Etablissement. 21 days for IRCs (Stenson)

GABON: Libreville signed, stamped and sealed my prepared card for 4777. Mint stamps sent. 2 months air (Haines)

GALAPAGOS IS: La Voz de Galapagos, 6255, nice long letter plus attractive pennant. 7 weeks from V/S: Fr. Carlos Uria Sandoval, Director. Mint stamps sent (Sparks) + pennant, letter in broken English w/full data; 5 weeks (Haines)

GEORGIAN SSR: Moscow sent card, "via Tblisi", 1 month. 5980 kHz (Sizer)

G.D.R. RBI, blue card w/antennae in 74 days and propaganda promised under separate cover. (Rippe) 2 cards in 8 wks air (Leger)

G.F.R. Südwestfunk, 7265, green map card of SW Germany, 3 weeks; 2 IRCs (Behr)

DW, 11785, card w/full data in 2 months for 1-IRC (Bruce)

GHANA: Radio Ghana, 11850, red/yellow/green card w/full data and sked. 1 month (Grishin) card for 11850 in 11 weeks (Henry) 4980, 28 days sea (Gager)

GUATEMALA: La Voz de Nahuala, 3360, letter in English in 11 days air for 2 IRCs. V/S: Sister Janet Druffel, Station Director (Sizer)

Radio Chortis, 3380, form letter in Spanish from José Antonio Rodriguez, Director; 2½ months (Patterson)

TGNA, card and letter for 5955 in 9½ months airmail. V/S: Wayne Berger, Station Engineer (Calkin) 9 months, 2 IRCs (Kening) 4 months seamail (Taylor) Quetzal bird card in 10 months seamail; 3 IRCs (J. Weber) 14 weeks w/sked and folder (Carlson)

La Voz de Guatemala, 6180, blue/white flag card w/full data in 9 wks air. Rpted in Spanish w/mint stamps (S. Kamp)

HAITI: 4VWI, 15280, black/red folder w/complete and correct info, sked and relig. tracts. 25 days airmail. 3 IRCs (Estand) 11835, card (Drake) 7 wks air (Leger) 9770, 1½ months seamail. V/S: Linda Ragsdale. Prefers mint stamps (Hogarth) 4 wks (Hurst)

HAWAII: WWVH, folder card for 1500 in 8 days air. Card shows Pacific scene (Michalenka)

HONDURAS: HRVC, nice card in 12 days for 2 IRCs (Martin)

Radio Suyapa, 6125, personal letter in Spanish from Francisco Elortegui, Gerente, very specific, w/attractive pennant. 9 wks air for mint stamps (Padula)

HUNGARY: Budapest, 11910, cd w/full data and sked. 8 wks; no IRCs (Grishin, Leger)

INDIA: AIR/Madras, 15335, card by air in 3 months stating site (Dexter)

AIR/Delhi, 11620, regatta on the Jhelum card in 6 weeks for 1-IRC (Carlson)

INDONESIA: RRI/Ambon, letter in Indonesian in 1 month air for registered f/up. Used NASWA Indonesian form (G. Fisher)

RRI/Djakarta-8FC22, yellow/black card in air in 6½ weeks with blue/yellow pennant. 3 IRCs (Estand) 6 weeks air for 1-IRC (Berg)

RRI/Menado, 7295, letter in broken English w/clear statement saying mint 1st rpt on their 1 kW channel. V/S: Willy Rondonuwu, Programme Section. 3 weeks air for 1-IRC. Seem quite anxious to hear from DX-ers (Berg)

RRI/Palembang, long personal letter from the Director after registered Indonesian report. 4855 kHz; 21 days air for mint stamps (Haines)

IRAN: Radio Iran, black/white card, "Iran Today" and sked by registered seamail in 5 months for 15084. V/S: E. Golesorkhi, Dir.-Gen. (Lyon) 3998, full verie info and pack of tourist lit; 1 month registered (Shaw) white cd registered air for 12176 kHz (Bruce) 2 months after 2nd f/up (Perry)

ISRAEL: Jerusalem, 9625, card in 52 days air showing painting of Jerusalem. 1-IRC; full data (Jamison) picture card in 20 days for reception in Britain (Drake) 8 weeks air (Banta) 2 months air (Kalkstein) 2 1/4 months (Handler)

ITALY: RAI/11810, colorful card in 2 months air (Berg) 6 wks (Bruce) 6 wks (Anderson)

IVORY COAST: Abidjan, much delayed card in 18 months after many rpts (Martin)

JAPAN: NHK, 9505, 35th anniversary card in 1 month air (R. Fisher) 15235, 1 month for reception in Rhodesia (Drake) 15105, Anniversary cd and pennant in 57 days (Scoville)

NSB, 9595, red/white/blue card with map of Japan in 6 weeks air for IRC (Berg)

KENYA: VOK, Nairobi, 4915, aerogramme w/pic of Bcing House and transmitting station; 4915 kHz. For reception in Britain (Taylor) 7 months on 4th try; 3 IRCs (Field) 81 wks for reception in Wales (Burnell)

KOREA (REP): Seoul, 9640, p/card of City Hall Plaza in 4 weeks air after f/up. V/S: Mrs. Agnes Jean who says she has been handling rpts since June and that they will be answered regularly from now on (Berg) 17 days air (S. Kamp) 9 months (Koukol) delightful books, but no QSL (Calkin) 1 month (Field) 7 months; 1 after f/up (Perry)

KUWAIT: Radio Kuwait, 15345, folder card w/sked in 1 month seamail. 3 IRCs (Shaw) 1½ months for 15345 (Alpert) 27 days air (Koukol) new tri-fold card in 24 days (Scoville)

LEBANON: Beirut, cd w/full data + sked; registered in 8 months. 3 IRCs (Moser)

LITHUANIAN SSR: Kaunas, 11870, card, 1 month (Sparks) specifying site via Moscow (Dexter) 18 days air (Sellers) (Hicks) all stating site and via Radio Moscow (Ed.)

LITHUANIAN SSR: "Vilnius" programme, 15220, card without site (Sizer) 9685, 2 months seamail direct (Hogarth) 3 1/4 months (Handler)

LUXEMBOURG: Radio Luxembourg, Télé-Luxembourg card in 14 days for 6090 (Michalenka)

MALAWI: Letter for 5995 in 1 week for reception in Rhodesia (Drake) 3380, prompt form letter in 2 weeks for aerogram report (?)

MALAYSIA: Radio Malaysia, map/flag card in 2 months seamail for 9660. (Anderson) 4 months seamail and 5 color card received (Perry)

BBC/FES, 11750, Thames card in 3 months. No IRCs (Berg)

MAURITANIA: Nouakchott, 4850, card w/full data in French for French rpt, w/sked, air in 16 days for 3 IRCs (Stenson) 2 months air (Perry) (Dexter)

MEXICO: Radio Mante, 6090, letter and 2 p/p/cards from Rene Boeta Lopez, Gerente //

Radio Mexico, 11720, 2 LPs and letter in Spanish asking for more reports. 4 months for 2 IRCs. V/S: Hector Gonzalez de la Barrera (Kening) records arrived, but required duty payment for entry into Canada. Anyone else have this problem? (Heggs)

Radio Universidad, Sonoro, bi-lingual white card w/veri statement and info on station; for 6115 in 1 1/2 months air. Mint stamps sent (S. Kamp)

MONACO: Radio Monte-Carlo, 7140, photo card in 2 months (Drake)

TWR, antenna card for 7290, air in 2 weeks. 3 IRCs (Byers)

MOROCCO: Radio TV Marocaine, 9615, card, no data, by seamail in 2 1/4 months for French report. Mint stamps sent (Lobdell) (Perry)

MOZAMBIQUE: LM, 11780, card in Port/English for 2 IRCs. 10 months; 2 months after f/up/

NETHERLANDS: Radio Nederland, Hilversum, training centre card for 11730 in 13 days air. Full data. 2 IRCs. (S. Kamp) 15425, 10 days air. No IRCs (Jeeves)

NETHERLANDS ANTILLES: Radio Nederland, 15320, new time zone map card in 13 days w/full data. No IRC (Scoville) card via Hilversum in 11 days air for 9590; 2 IRCs (S. Kamp) 7 days for 1-IRC; 21640 (Bruce)

Trans-World Radio, card of station building in 7 days air for 11820. 1-IRC (Markman) 11 days; 1-IRC. Also sent me FDC (Kolb) 11 days (Bodker)

NEW BRITAIN: Radio Rabaul, VL9BR, 3385, folder issued for network from V/S: E. Waters for Station Manager (Patterson) 2 weeks for 2 IRCs (Kusalik)

NEW CALEDONIA: Nouméa, 7170, card in 2 months (Drake) 35 days (Stenson) island outline card in 1 month air for 2 IRCs (Perry) 21 days for 4 IRCs; rpted in French (Volle)

NEW GUINEA: Radio Wewak, folder in 12 days air for 4 IRCs. V/S: F. Griffiths, Box 65, Wewak. 3335 kHz (Michalenka)

NEW ZEALAND: Radio New Zealand, 15280, card in 5 1/2 months seamail with travel folder and Kiwi pin. No time (Taylor) 15110, regular card in 4 months for 2 IRCs (Blossom) 9540, card and Kiwi pin, tourist map, + sked in 6 1/2 months. Mint stamps sent (Eby) 3 months; 2 IRCs (Kening) 3 1/2 months seamail (Handler) 11 wks (Hurst)

NICARAGUA: Radio Nacional, letter from Tacho Sanchez Diaz, 10 days. 2 IRCs and old US stamps. Rpted in Spanish (Perry) 1 month air for Spanish rpt w/mint stamps (G. Fisher)

NIGER: Niamey, 9705, OCORA card by air in 33 days. Rpted using NASWA French form w/mint stamps (Lobdell)

NIGERIA: RTV Kaduna, 9570, gray card w/name and station symbol in green; full data. V/S: H. Reilly, C.E. 3 weeks air for 1-IRC (Berg)

NORWAY: Radio Norway, 15175, photo card of a paddle wheeler w/full data. 4 months air; 1-IRC. Sked and pamphlets came first, but required a reminder to get the card. (Berg) 7 weeks (Markman) 40 days (Romanchik) 2 months (Hogarth)

OUTER SPACE: Chicom 1, 20009, letter verie from the Academy of Sciences in Peking, registered airmail in 1 month (Dexter)

PAKISTAN: Radio Pakistan, Karachi, 11672, card in 5 months for 1-IRC (Henry)

Radio Pakistan, Dacca, letter w/complete verie statement in 5 months air via registered seamail. 4 IRCs. (Shaw) 9 days for registered f/up (G. Fisher)

PAPUA: VLT4, 4890, map card w/beautiful stamps. 35 days air; 3 IRCs (Kalkstein) 9520, 2 months for 1-IRC (Berg) 4890, 2 months for 3 IRCs (Burnell)

PERU: Radio Continental, 9492, card and letter in English, pennant, fact sheet on the station and Xerox copy of Station newspaper ad commemorating 30th anniversary Oct 11. V/S: Enrique Umbert S., Sub-Gerente. Air in 5 weeks after 9 tries!!! (Dexter)

Radio Nacional Mil Ochenta, 6095, letter from Radio Nacional del Peru, air in 13 days, registered. Appears to be the best that can be had (Dexter)

PHILIPPINES: Radio Veritas, 15170, card and sked from Jesus S. Torres, Technical Director. Air in 1 month, returned IRCs (Dexter) 15310/15410, air in 6 and 10 wks + sked; returned IRCs (Padula)

FEBC, 11920, lightning card/air w/sked and religious oamphlet; 5 weeks. V/S: Mrs. Eva Fitzpatrick (Burnell) 33 days air for 11890 (Gager) 11890, 1 m. (Walenter)

SEARV, replied with plain white card in 1½ months for 2 IRCs (Lemna) card in 16 days for 15420; airmail from C. Bernardez. 2 IRCs (Koukol)

VOA/Tinang, 15395, card, 1 week (Sparks) 11930, 14 days (Marshall) 15345, 25 days (Burnell)

POLAND: Radio Warsaw, map card in 2 months for 15275. No IRCs (Loustau) 2½ months air w/out IRCs (Berg) 29d. air (Clyburn) 9525, map card (Drake) 35 days (Rippe) 4½ months (Leger)

PORTUGAL: RFE, Lisbon, 17735/15215, attractive white/blue/black card w/Liberty bell-type card. No time or date. 2 weeks air (Berg) 2 wks for Lisbon; Rpted to NYC (Soneff) reply from Lisbon, V/S: H.N. Black, Managing Director, Engineering Office. No IRCs. 12 days (Burnell)

Radio Portugal, 11935, large map card in 16 days w/full data. (Scoville) 15125/11935/6025, "silverware" card in 2 wks air (Lobdell) 12 days air (Marshall)

Deutsche Welle/Sines relay, 9665, card air in 4½ weeks (Dexter) 2½ months, blue/orange card (Lobdell)

Radio Safari, p/card verie w/full data by air in 2 months. Rpt to SAF(Lobdell)

QATAR: Radio Doha, 9570, letter in English in 10 wks on 4th try. V/S: M. Shabid, Deputy Director of Information who stated that other rpts not received, suggesting they may have been forwarded w/the personal mail to Mr. Shihabi who is no longer there(Field)

RHODESIA: RBC, 7285, card in 1 week from Salisbury for reception in Bulawayo (Drake)

RCMANIA: Radio Bucharest, photo QSL in 111 days, sked, full info and pennant, registered (Rippe) 67 days, castle card (J. Weber) 3 cards in 2 months air (Leger) 15250, 70 days air (D. Weber) black/white card w/full info for 11940 kHz, + pennant, stickers, and sked in 3½ months for 2 IRCs (Davidson) 15285, p/card of city of Histria ruins; 8 weeks airmail (Banta) 11940 and 15250, cards of "dancer" and "radio waves" in 4 months. No IRCs (Hicks) cards for 15255 (colored seaside view), 11775 (Institute of Architecture) in 17 and 15 wks respectively. (Padula)

R.S.F.S.R. (Asiatic): Chita, card from Radio Moscow stating site (Dexter)

Irkutsk, card via Radio Moscow w/site stated (Dexter) 15400, 2 months w/site indicated (Morgenstern)

Kenga, card via Radio Moscow, stating site (Dexter)

Khabarovsk, card via Radio Moscow stating site (Dexter)

Komsomolsk, card via Radio Moscow stating site (Dexter)

Novosibirsk, card via Radio Moscow stating site (Dexter)

Petropavlovsk-Kamchatsky, 15140, card from Radio Moscow (Hicks)

Sverdlovsk, card via Radio Moscow stating site (Dexter) 11900,

w/site indicated (Hicks) 2 months for 11945 w/site (Morgenstern)

Vladivostok, card via Radio Moscow stating site (Dexter)

R.S.F.S.R. (European) Armavir, card from Radio Moscow in 20 days for 15180, stating site. Also for 15350/17765 w/out site (Kolb) card stating site (Dexter)

Kalatch, card via Radio Moscow stating site (Dexter)

Kazan, 9800, card in 27 days from Moscow w/site (Sizer)

- R.S.F.S.R. (European) Leningrad, card via Radio Moscow specifying site (Dexter) -
 Riazan, card via Radio Moscow specifying site (Dexter)
 Simferopol, card via Radio Moscow specifying site (Dexter)
 Vologda, card via Radio Moscow specifying site (Dexter)
 "Moscow programme", 11960, card by air in 28 days airmail. Full data except site (Gager)
 Radio Peace and Progress, 17790, small yellow card, sked and pamphlet in 12 weeks. No site (Leger) 15350, 2½ months air. No IRCs (Lobdell)
RYUKYU IS: VOA, Okinawa, 7165, card w/site and date only in 10 days (Byers) 9 days for 7165 (Alpert) 16 days (S. Kamp) 9 days (Volle)
- SAO TOME: Radio Clube de São Tomé, card also marked N° 1 as Al Sizer's. Must be card style n° 1 (Hall)
SEYCHELLES: FEBA, card and form letter for 15185, 29 days air. 4 IRCs (Moser) 1 month from V/S: Brenda Bacon (Kolb) 3½ months for tape on 15265. Tape returned seamail (J. Weber)
SIERRA LEONE: RSL, 3316, letter confirming tentative rpt in 18 days for 3 IRCs (Stenson) 3½ months w/color p/card QSL (Sizer)
SINGAPORE: Radio Singapura, 5052, card in 2 weeks w/pic of antenna on reverse for 3 IRCs (Perry)
SOLOMON IS: SIBS, card in 172 days for 7115 + 4 IRCs. (Michalenka) 3995, 1½ months seamail after 3rd rpt in 3 years! (Perry) 7115, 4 months (Lemna)
SOUTH AFRICA: SABC/Springbok Radio, beautiful color card showing aspects of S. African life, different from either current or previous RSA cd but same style. On reverse, it specifies the Domestic/Sce from H.F. Verwoerd SW Station; 3965; 3 IRCs (Sterling) 3250, 14 wks air (Hurst) 3 months (Burnell) 11935, 12 wks; 5955/7150 in 5 wks after f/up; 19 and 21 wks total resp (Padula) 4½ months for 3997 (S. Kamp) 3250 (Byers) 3 months for 3952 (R. Murphy) 145 days for mint stamps (Hall) 3285, 138 days (Hall) 2½ months for 5 IRCs (S. Kamp) 3 months for 11935 (Henry)
 Radio RSA, 9705, card in 13 days via 2nd class airmail (Phaturus) 20 d. (Lobdell) DX-69 QSLs for 15310/11875/9630 (Drake) 5980, 18 days air (Jeeves) 21480, 2 weeks (Bruce) 75 days, 15265 (Kalkstein)
SPAIN: RNE, 6140, card of transmitter, full data w/sked. 6 weeks air (Grishin) card, pennant and sked in 5 weeks air (Leger) card by air in 18 days w/full data (Gager)
SUDAN: Omdurman, 11835, letter and sked in 90 days for reception in Britain (Drake)
SWEDEN: Radio Sweden, 11705, Northern Lights card by air in 9 days. No IRCs (Jeeves) 9625, card in 2 weeks. 1-IRC (Bruce) 9625, 10 days air (Coppola) 1 wk for 11825 (Morgenstern)
 I.C.R.C., card in 2 weeks air for 3 IRCs (Michalenka)
SWITZERLAND: SBC, Berne, 4 cards for several receptions; 3 months after f/up (Kalkstein) 9535, 2 wks, card/sked airmail for 2 IRCs (D. Weber)
SYRIA: Damascus, colorful card w/globe on front and antenna on Damascus. 15165 kHz, by registered seamail in 3 months. V/S: Atieh El-Joudeh, Dir.-Gen. Took 4 tries in 4 years (Lyon)
- TAHITI: Radio Tahiti, 11835, mermaid card and full sked in 11 days air. IRCs (Hurst) 11 days for 3 IRCs and p/p/card (Morgenstern)
TAIWAN: VOFC, card in 7 weeks airmail. 2 IRCs sent (Martin) 3 cards in 1½ months. No IRCs (Kalkstein) 33 days (Rippe)
TANZANIA: Radio Tanzania, 5985, brown-yellow card in 4 months airmail. No time given (Calkin) 28 days air for 2 IRCs (Eby) 3½ months for 1-IRC (Berg) 1½ months air; 3 IRCs (Perry)
TCHAD: Radiodiffusion Nationale Tchadienne, excellent card depicting views of country; 3 months seamail for 2 IRCs (Martin)
THAILAND: NBS/Bangkok, 9655, card w/full details and sked; air in 2 wks. No IRCs (Padula) 11910, card in 15 days; full data. 2 IRCs (Scoville)

TCGO: Lomé, 5047, card w/gray/green/white globe. 17 days for taped report w/2 IRCs. (Lenna) 3 wks for 5047 (Loustau) 3 wks air (Berg) 28 days for 3 IRCs (Burnell) 2 wks for 2 IRCs (Davidson) 21 days seamail (Kalkstein)

TUNISIA: Tunis, 11900, card of Colosseum, air in 1 month. Rpt in English w/2IRC's and local p/card. (Burnell) 3 weeks (Behr)

TURKEY: Voice of Turkey, 15160, card and sked in 110 days seamail. No IRCs (Romanchik) 3 months, 2 weeks (Bodker) sked seamail in 17 wks and card in 18. V/S: Elizabeth Selenik (Morgenstern) 15160, 3 months for 1-IRC (D. Weber) 128 days seamail (Watman) 10 weeks air; 3 IRCs (Walenter)

TURKMAN SSR: Ashkhabad, 15185, card in 28 days air via Radio Moscow (Sizer)

UGANDA: Radio Uganda, 4976, serogram in 4 wks from H. Humphreys, CE for 1-IRC. States lack of facilities makes it impossible for them to check report fully (Padula)

UKRAINIAN SSR: Ivanfrankovsk, card via Radio Moscow stating site (Dexter)
Kiev programme, 11 850, sent red/blue map card, rpt forms and sked in 6 weeks air (Grishin)
Lvov, card via Radio Moscow (Dexter) 28 days w /site for 11 900(Sizer)
Vinnitsa, card via Radio Moscow for 11730 in 5 weeks specifying site.
No IRCs; 1 month w/site (Sizer, D. Weber)

U.A.R. Cairo, 9475, verie letter w/full data, sked and personal letter saying new QSLs being printed. 6 months seamail w/color p/card of King Tut's Gold Mask (Banta) 17655, 40 days air plus personal letter answering questions on Mid-east conflict (Hogarth) 15 weeks; 2 IRCs (Davidson) letter in 7 months for 9475 (Hicks)

U.S.A. AFRTS, Bethany, 9755, card in 3 wks (Sparks) 11805/17800, cards/skeds in 50 days (D. Weber)
AFRTS, Delano, 15410, card in 3 weeks (Sparks) 3 weeks no IRCs (Burnell)
KGEI, pink FEBC card in 2½ months for 15280 (Eby) 71 days for no IRCs (Jones)
UN Radio, Greenville, 15410, blue/white card by seamail in 1 month w/all data except site! (Burnell) 8 days, which site? (Watman)
UN Radio, Delano, 17830, blue/white UN card in 5 days w/sked (Carlson)
UN Radio, Dixon, 21630, card in 9 days w/full data (Leger) site?
VOA, Bethany, 21485, card in 1 week (Sparks)
VOA, Greenville, 26040, card in 8 days airmail (Lobdell)
VOA, Delano, 17850, card in 1 week (Sparks)
VOA, Dixon, 17825, card in 1 week (Sparks)
WINB, Red Lion, Pa., 11795, card in 1 month. V/S: Rev. John M. Norris (Sparks)
WV, card in 3½ weeks airmail. No return postage (Brooks)

UPPER VOLTA: Ouagadougou, 4815, brown/yellow/white card in 28 days. Rpted in French w/2 IRCs (Koukol) 2 weeks air; 2 IRCs (Perry) 22 days for 3 IRCs; rpted in French (Stinson)

UZBEK SSR: Tashkent, 11925, card w/all information in 32 days. No IRCs (Koukol) 8 months, 2 months air after 2nd rpt (Perry)

VATICAN: Radio Vatican, card has pic of statue and antenna; 11725; 15 days (Handler) 15165, litto card; 15 days (Marks) 1 month air (D. Weber)

VENEZUELA: Radio Barquisimeto, 4990, card in 22 days for 2 IRCs. Rpted in Eng (Peritz) card by air in 35 days. No IRCs (Romanchik)
Radio Juventud, 4900, card in 1 month for mint stamps (Burnell)

ZAMBIA: ZDC, 6165, white card in 2 wks for Rhodesian reception (Drake) 2 wks air from J. Allerton, C.E. (Perry) 3346, 15 days air. No IRCs. Full data (Kalkstein)

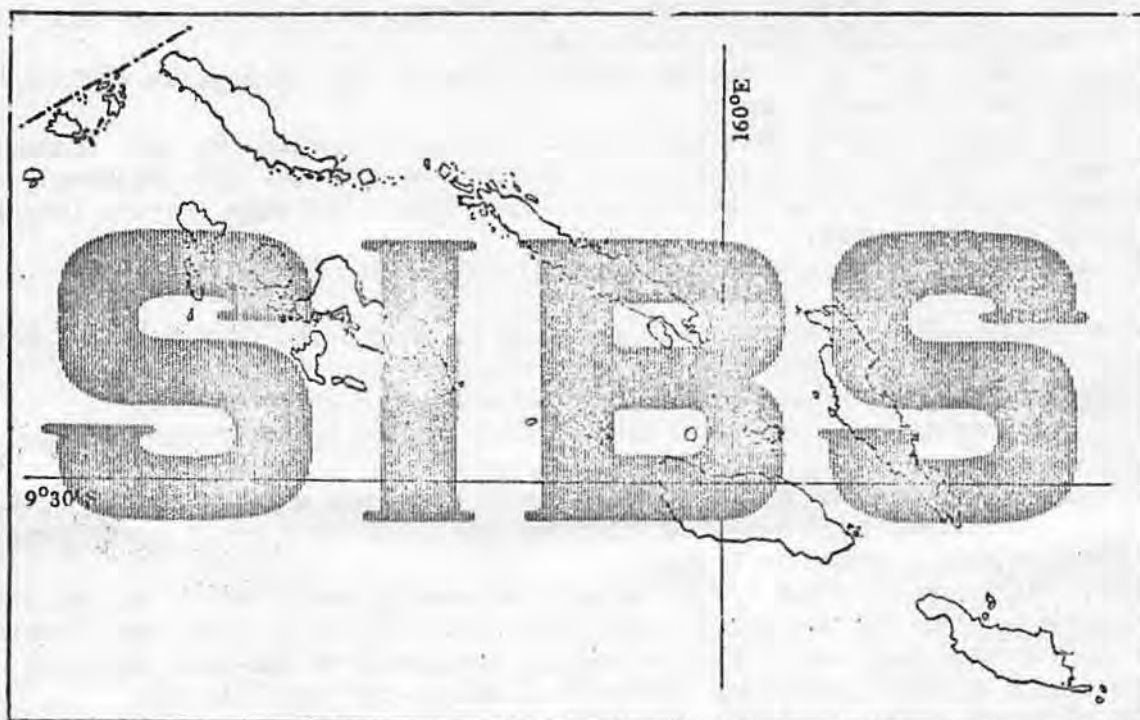
A fantastic showing gentlemen! and an excellent way to end the year.

So, until we meet again in 1971, your editor would like to wish you all the very Merriest Christmas and a Happy New Year 1971 - wishing you everything you wish yourselves.

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Our selected QSL this month is the Solomon Islands Broadcasting Service, recently heard well in North America on 7235 kHz until 1130 P.M.T. close/down.

Sincere thanks to this month's faithful reporters:

David Alpert, Ill.	G. Fisher, Col.	John Kolb, Calif.	Bob Peritz, New York
John Banta, N. Y.	R. Fisher, Calif.	Craig Koukol, Ill.	Joe Phaturus, Pa.
Ernest Behr, Ont.	Irwin Glasberg, PQ	E. Kusalik, Ont.	Arthur Poulis, Mass.
Jerry Berg, Mass.	Ivan Grishin, Ont.	John Leger, Ky.	Joe Rippe, Ohio
Tom Blossom, Ind.	B. Haines, Col.	Kris Lemna, Indiana	Marvin Robbins, Neb.
Kim Bodker, Mich.	Dr. F.E.Hall, Mass	Chris Kobdell, Mass.	D. Romanchik, Mich.
Bob Brode, Calif.	Steven Handler, Ill.	Richard Loustau, Cal.	Alan Roth, Conn.
Chris Brooks, Cal.	R.S. Heggs, B. C.	Ken Lyon, N. Y.	L. Scoville, N. Y.
Robert Bruce, U.K.	Thomas Henry, N.Y.	L. Markman, N. Y.	H. Sellers, Ontario
Jean Burnell, P.Q.	Terry Hicks, Fla.	Anthony Marks, Ore.	Edward Shaw, Va.
Robert Byers, Ont.	Mark Hogarth, N.Y.	A.E. Martin, U.K.	Alvin Sizer, Conn.
G.A. Calkin, Ont.	James Hurst, Md.	Wm. A. Matthews, O.	John T. Soneff, La.
Don Carlson, Pa.	Danny Jamison, Va.	Mrs. M.Marshall, ND	Bill S. Sparks, Cal.
Bill Coleman, N.C.	Alan Jeeves, Pa.	Henry Michalenka, RI	Kim Stenson, Vermont
Mike Clyburn, Fla.	Don Jensen, Wisc.	Geo Morgenstern, Minn	W.W. Sterling, Ariz.
Bob Davidson, Ohio	Thomas Jones, Minn.	Robert Moser, Ill.	Jerry Stuart, Okla
Gerry Dexter, Wisc	Dr. H.P. Kagey, Cal.	R. Murphy, Texas	Peter Taylor, Ont.
Chris Drake, B. C.	Harold Kalkstein, Pa	Bob Padula, Aust.	David Volle, Illinois
Tom A. Eby, Ill.	Steve Kamp, Calif.	Andrew Pappas, Ill.	John Walenter, Ill.
Robert Estand, Tex	Dan Kening, Ill.	C. Patterson, Ga.	M.X. Watman, N. H.
Marlin Field, Mich	Kevin Llemen, Wisc.	Ralph Perry, Ill.	D.J. Weber, Ohio
		Jim Weber, Calif.	

This month has been a banner one for contributions. As it is also the final issue for 1970, your editor would again express his sincere appreciation to the many members, not all of whom as listed above, who so readily give of their support. Thx.

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Dan Ferguson - Editor
 P.O. Box 8443
 Coral Gables, Florida 33124
 * * * * *
 Deadline 15th of the month
 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. Be sure to put your name on each sheet, and state the make and model of your receiver. Also, please state the accuracy of your calibrations. (Do not just quote manufacturer's specs, please.) PLEASE, each item should begin with the frequency listed first, some are still not doing this, and I must refuse to handle such reports in the future.

A few of the abbreviations used in this column: M = measured fqy (to at least 1/2 kHz.). A = approximate fqy. Fqy = frequency. NF = new fqy. EE = English. SS = Spanish. FF = French. AA = Arabic. Mx = music. Nx = news. N:E = Eng mx. N:S = Sp mx.

To those who swap cards: sorry, but I don't, so it's only a waste when you send them to me.....Now to this month's loggings.

- 3095A UNID in Oct. Should this be 3995, a RAI fqy?(ESB) Gregg, did I get it wrong?(DF)
- 3204 VENEZ(Tentative) Weak Sp stn 6 Nov, 1010, then local QRW. Would be R.Litoral according to WRTH SS (BB)
- 3216 VENEZ Ondas Panamericanas at 1040 Sp ID, chimes between phrases. (BB)
- 3226v VENEZ R.Occidente 1030 Sp ID, serious discussion(BB)
- 3230 FIJI FBC 1015 in lang(BB)
- 3295 VENEZ R.Trujillo 0955 anthem, s/on w/ID; excellent sig(DF)
- 3314v VENEZ R.Maracay 0600 s/off 6 Nov, w/anthem(BB)Believe usual s/off is 0400(DF)
- 3325 VENEZ R.Monagas 0940 IDs, armts. Thot usual s/on was 1000(DF)
- 3336 SENEGAL Siginchor presumed the African 0600 native mx; good lvl but ute QRW(GLD)
- 3339 ZANZIBAR RT Zanzibar weak 0328 s/on (GLD)
- 3346 ZAMBIA Lusaka w/Eng armts. Afr mx: 0332 tune; fair lvl(DF)
- 3350 GHANA RG at 2245 mx, hymn, s/off 2300A; //3366 is better(RWP)But 3366 is better here, at 2245 in Eng(ARN)
- 3355v VENEZ(tentative) Believe R.Valencia is the Sp stn 1015, too weak for DR(BB)
- 3360 GUATEMALA LV de Nahuala several AMs w/pops after s/on 1100 w/marimba mx(AVS)
- 3364v UNID stn 1015, too weak for DR(BB) Maybe VENEZ?(DF)
- 3365 VENEZ R.Puerto Cruz 1013 LA pgmg, before DR s/on; ex inactive 2370(AVS)
- 3366 GHANA RG good lvl 2240 Eng (ARN)
- 3373 ECUADOR R.Iris good 0420 tune w/vocal groups, IDs(GLD)
- 3375 COLOMBIA R.Sutatenza 1015 Sp ID, cultural pgm(BB) (HM)
- 3380 GUATEMALA R.Chortis w/clear IDs around 1050during mx: pgm. WRTH sked is way off/
- 3380 MALAWI FBC 0325-0345 ads, IDs, Eng songs, also local lang, Afr mx(JBa)0300-0430 pops, TCs, ads, etc(RWP)Best ever hrd 0320 w/IDs, mostly native(GLD)
- 3384v VENEZ R.Barcelona 1000 Sp ID, ads, chimes(BB)S/on 1000(DF)
- 3385 PERU LV del Valle w/IDs 0115, Sp mx, het(JTS)
- 3385 FR.GUIANA CRTF 0105 s/off w/Fr ID, etc, carrier stays on(BB)
- 3392v ECUADOR R.Zaracay 1043 Sp ID, mx(BB)
- 3395 VENEZ R.Universidad Sp mx 0340-0400 s/off w/ID(JTS)
- 3396 RHODESIA RBC w/Eng mx 1610, poor(AEM)
- 3405 DOM.REP. R.Clarin 0307-0411 t/o w/mx, ads, IDs, not daily(GLD)Often w/baseball, pops, IDs; from 0200. Listed WRTH SS as new MW stn on 860. Not daily.(AVS)Checked this and found them on 3407 at 0240 tune, recheck 0400 produced ID,mx. So, fqy may vary some. Seems to me another stn used to operate here. Same tx?(DF)
- 3560 N.KOREA KCBS 1410 cmtry in Eng, //9539, past 1426, strong(JY)

- 3883 CAPE VERDE IS RC Cabo Verde; piano & orch mx; to 2300 s/off w/"AP"(TE)
- 3910 JAPAN FEM 1329 mz (DJ)
- 3925 JAPAN JOZ 1050 Japanese lesson(DJ)
- 3925 INDIA VUD, ID & Eng mx: 1700(AEM)
- 3952 UNID. China? Piano & vocal mx; sounds like Chinese; good 1320, //3972, 3930(BBr)
- 4500 CHINA Urunchi, YL w/songs, mostly local mx, 2325(AEM)
- 4500 se Oct. Laos does not have TS 2300, must have been China. (GH)
- 4723v BURMA BBS w/Burmese songs, tlks(BB)1315 lang, native mx; also at 1350(Sorry, lost the credit on this one(DF))
- 4760 VENEZ R.Frontera 0330-0400 s/off w/pop mx, ID at s/off. Rpts elsewhere indicate this to be R.Cultura, but I now believe it to be Frontera.(BS)
- 4764v CONGO(PR) RTC 2030 Fr w/Afr mx:(BB)
- 4765 BRAZIL R.Feira de Santana 0030 mx, 0100 talk, past 0120(MAF)
- 4765 ECUADOR C.R.E. 2345 mx, never hrd this early befoer(MAF) NF, ex: 4650, noted 4766v, at 1050 w/Sp mass, ID 1100(BB)
- 4770 INDONESIA RRI 1345 Indonesian cmtry(DJ)Only thing I have listed here is N.Kore(DF)
- 4775 COLOMBIA LV de Maria w/rel best 0330 to 0402 s/off or f/o after woman talked in Eng, I believe(MAF)
- 4777 GABON RTVG 2110 native mx, Fr singing to 2130, then mx in vernaculars(ECS)
- 4780 VENEZ LV de Carabobo Sp mx: 0235-0255 t/o(JTS)
- 4785 USSR Baku w/carrier on 0145, IS 0201 on recheck; M&W tlk 0204(DF)
- 4795T BRAZIL Believe R.Congonhas here w/PP tlk 2240, no ID(AVS)
- 4800 INDIA Hyderabad w/local mx & mx 1715(AEM)
- 4803 KENYA VoK, Kisumu; 2045 tlk in native lang before s/off; separable from Congo, down slightly, 17 Oct(BB)
- 4807 SAO TOME RCST 2015 Port talk(BB)
- 4820 HONDURAS HRVC 0300-0500 Eng rel pgms(BC)
- 4820 UNID 0638 tune at good lvl w/Arabic-like chanting, RTTY. Doesn't seem to fit Angola or Gambia(GLD)
- 4825 COLOMBIA R.Nariño; orch mx, full ID 0400; quite good at times(TE)
- 4828 RHODESIA RBC s/off 2200 Eng. Saturdays. Het Venez, up 1(BB)
- 4832v COSTA RICA R.Capital, ex: 469lv, mx, ads, TCs, best 0500(RWP)0505 ID after sports, not //6006(BB)0430-0500 football, 0500 LA mx, IDs, ads(JR)0445-0517 IDs, Sp mx. Address??(JTS)
- 4834 MALI Bamako w/Fr tlk, Afr mx 0715 on a Sat; strong(RWP)
- 4835 SARAWAK RMS 1312 cmtry, lang ID 1315; Eng mx 1430(DJ)
- 4836 BRAZIL Rdif Roraima; 1000 Port mx; in Boa Vista, near YV border, so hrd later than other Brazilians(BB)
- 4838 UNID Asian, maybe Peking, at 1130 in lang(Sorry, lost the credit, think it's BB)
- 4839 CONGO(DR) Bukavu 2045 Fr, Congo mx:(BB)
- 4845 BOTSWANA RB at 2045 Eng tlks, s/off sked 2100 Saturdays(BB)
- 4845 BRAZIL R.Dif.Teresina; Port cmtry 0900, poor(AVS)
- 4851 MAURITANIA RM; 2000 Arabic(BB)chants 0700-0715, thru RTTY, then gone(RWP)
- 4855 INDONESIA RRI-Palemba ng; 1505 mx:(AEM)
- 4865 AZORES Em.Reg.; good 2230 M&W in Port; s/off 2301 w/"A Portuguesa"(TE)
- 4865 BRAZIL R.Cl. do Pará; sports, ID, pop mx: 0215(BS)
- 4875 BOLIVIA La Cruz del Sur; 2315-0015 t/o w/nx, IDs, mx, RTTY(JDT)
- 4890 SENEGAL Dakar; 0900 good lvl, Fr tlk, Afr mx:(RWP)
- 4904T CHAD Believe RTVC still under bad QR 2130 lang(BB)
- 4907 COLOMBIA Em.Atlantico again active, from 2115 tune(DF)0425 ID, reactivated(BB)
- 4915 GHANA Accra 2045 Eng nitely; YL & variety mx: show(ECS)
- 4924T MOZAMBIQUE RCM 2145 lang, hets Bata, up 2(BB)
- 4926 RIO MUNI Bata 0429 good lvl, gongs & ID 0430(GLD)2200 s/off Sp, Eng(BB)
- 4927 INDONESIA RRI-Djambi; 1545 male singer; s/off 1600 w/Hawaiian mx: & clock striking 11 times(AEM)
- 4938 YEMEN Sanaa at 2030 w/Arabic chanting; gone a few minutes later(BB)
- 4940 RSFSR(As) QTH?? Moscow HS 0900 (BP)

- 4950 SARAWAK RMS 1145 Eng, pops(TDS)Eng nx, cmtry 1400(JW)Eng nx 1430, then DJ show with pops(DJ)
- 967 KUWAIT RK s/off 2100 w/Eng ID; hets SABC-4965(BB)
- 4976 UGANDA UBSCS 2100 Eng, deep QSB(BB)
- 4980 GHANA Ejura ending "Back to the Bible" 2200, ID, Eng nx:(RWP)
- 4985 MALAYSIA RM-Penang; 1405 Eng nx, mx; UN Radio pgm. Luala Lumpur listed in Oct LR; Penang in WRTH; which is it?(DJ) Penang(DF)
- 4993v SUDAN SBSCS 2145 Arabic discussions(BB)
- 5010 SINGAPORE FBS 1430 GSTQ(DJ) assume off afterwards, correct?(DF)
- 5010 CAMEROON R.Garoua 2130 2130 French, African mx:(BB)
- 5012 RHODESIA RBC s/off 2200 Eng ID, runs this late Saturday only(BB)
- 5030 SARAWAK RMS 1459 s/off w/Eng anmts & anthom(DJ)
- 5035 C.AFR.REP. Bangui w/Afr jazz & Fr ID 1730(AEM)
- 5040 GEORGIAN SSR Tbilisi w/Russ HS 0315, sounds like ballet(BB)
- 5041 BURMA BBS 1115 Burmese tlk, het from LA on 5039, 29 Oct(BB)1157-1217 Burmese, native mx, 1200 ID(RWP)1445 ID, Eng nx:(JK)1449 nx, Eng cmtry, pop mx 1500(DJ)
- 5045 P.GUINEA Bissau w/pops & ID 0000(AEM)good w/male ancr, US pops to 0200 s/off(TE) Close 0100, good lvl but mixed Brazil, same fqy. Off w/"AP" at new, later, s/off time(ARN)Occasionally s/on 0700 but not nitely. Anthem, Port s/on anmts, into Afr mx, past 0723; strong at s/on (JY)
- 5050 TANZANIA RT weak chant 0330(RWP)
- 5050 VENEZ "R. Mundial", new stn, or more likely new ID for ol: stn. LA mx to 0400 s/off(AVS)
- 5052 SINGAPORE R. Singapore 1445 lite mx, ID & TC, in English(DJ) (AEM)
- 5085 INDONESIA RRI-Medan, YDP; usual s/off 1600, but once noted w/pops to 1609 s/off
- 5240 CHINA Fukien 1400 mx, song, lang 1437(DJ)
- 5260 KAZAKH SSR Alma Ata(list) w/Russian exercises, w/piano, 0015. Flutter & time support C.Asian QTH(BB)
- 5845 INDONESIA(Sumatra) RRI-Pakanbaru 1105 w/what sounded like Moslem chants, or prayer call; into Indonesian pops. (AVS)
- 5868v N.KOREA KCBS(tentative) 1115 lang. Behr repd KCBS here May, //6252 at 1300(BB)
- 5875 INDONESIA (QTH? DF) 1332 lang(DJ)
- 5900 ECUADOR LV del Norte presumed the LA here 0420 under RTTY(GLD)
- 5900 CHINA Foochow 1115 Mandarin political opera on "East is Red" melody(BB)1030 weak w/YL in Chinese(AVS)
- 5915 USSR Sverdlovsk listed; 0115 Russian opera(BB)
- 5944 ALBANIA Tirana 0530 IS, ID, Italian pgm(BS)
- 5955 GUATEMALA TGNA w/Eng rel pgm 0345-0430 s/off; RTTY(JR)
- 5956v CHILE R.Nuevo Mundo 1010 Sp, local nx, IDs.(BB)
- 5960 BOLIVIA Em. Pio Docé; clear ID 0313 w/Andean flute mx, US pops in 3:(BBr)
- 5970 CANADA CBC w/Eng 0830(TEJ)
- 5970 RSFSR(As) Nikolaevsk; YL singing 1138 tune, //5990(DF)
- 5980 GEORGIAN SSR Moscow confirms site as Tbilisi for Eng to UK 2207(AVS)
- 5982 PERU R.Panamericana from 0315, mostly tlk, w/ID, sports 0342(GLD)1056-1117 guitar mx, mx, ID, het (CRP)
- 5985 TANZANIA RT w/local tunes 0350 tune; fair lvl(DF)
- 5990 RSFSR(As) Nikolaevsk w/mx, YL singing 1140 tune, //5970 & better. This is NF as far as I can tell(DF)
- 5995 MALI Bamako strong 2230-2245 //7210, 9710, so 3 hi-pwr txs in use(ARN)
- 5996 MARTINIQUE ORTF 1000 lady ancr in French, LA dance melodies, het RA(BB)
- 6000 SAUDI ARABIA? (Yes, DF) ME chanting, Arabic ancr 0140, faded by 0200, no sign of Brazil.(BBr) On late for Ramadan(DF)
- 6005 CANADA CFCX 0155 sports(HS)
- 6006 COSTA RICA R.Reloj w/LA mx 1145(DF)0924 Sp mx, IDs; when move from 6.2 MHz?(RWF) Long time ago. But alternates 6006+, 6055A, 6200A(DF)
- 6010 ITALY RAI w/Eng nx: 0101, //9575(JML)
- 6010 CANADA Sydney; Eng talks 1145, poor(DF)

- 6012 THAILAND Thai TV, Bangkok; Thai songs around 1015(BP)
- 6030 CANADA CFVP, Calgary; Eng mx, mx 0600, excellent. Called CE during tx; he QSLd on the air while I taped(RE)
- 6030 W.GERMANY SDR 0600 German news(BB)
- 6035 NIGERIA QSL for NBC-Enugu gives QTH as Ikorodu & says 7306 is East Central State BC Service(GLD)
- 6037 COSTA RICA TIFC w/Eng rel pgm 0300, weak(TEJ)
- 6045 PANAMA LV del Baru w/mx: pgm 1150 tune(DF)
- 6055 ESTONIAN SSR Tallinn listed, 2100 Moscow Eng, 2230 "R.Stantsiya Yunost" in Russ. 2330 RS Rodina(ESB)But noted one day 2158-2230 Eng, with close 2230(DF)
- 6060 USSR Chita listed, Moscow Chinese 2130(ESB)
- 6060 SICILY Caltanissetta 0605 M&W tlk, pop Italian songs; after Cuba s/off(BS)Ital. to 2236 s/off over Cuba. WRTH says 2300 s/off(ESB)
- 6066v COLOMBIA LV del Llano 0945 Sp, Colombian mx w/Indian flavor(BB)
- 6070 VENEZ R.San Sebastian over CFRX 0030-0100 TCs, ads, bolero mx, ID 0040(ARN)Mx; Sp ads 0100-0359 s/off, over CFRX, from 17 Oct(ESB)0115 mx, TCs, ads, IDs(GLD)Nitely 0230-0330 LA mx, many IDs, TCs(BBr)
- 6077 HONDURAS LV del Junco w/mx to 0003 s/off w/Sp ID(ESB)
- 6081.7 HONDURAS R.America here 0130 Sp ID & mx, 0300 political tlk. NF ex:6050 from 6 November(ESB)
- 6085 CONGO(DR R.Kisangani from 0356 IS, ID, TS 0400. Bad hat. This is IS I thought was SBC. Mx 0406-0425 when lost(GLD)
- 6085 W.GERMANY BR, Munich; 0600 Ger mx, Beethoven concert(BB)
- 6090 AUSTRALIA ABC, Sydney w/Eng mx 0900(TEJ)ABC mx: 1100; only stn I can ID in the QRM on this fqy(AVS)
- 6090 CAMBODIA RNK w/ID 1457 in Chinese & Eng, s/off 1500(MAS)
- 6090 NIGERIA RTV Kaduna w/time pips 0500, ID, mx (BBr)
- 6100 USSR Moscow Chinese around 1030(BP Vladivostok listed(DF)
- 6105 MEXICO R.Merida w/Sp mx 0215-0225 ID & tune out(JTS)
- 6107v BRAZIL RC Ceara 0915 Port discussion, Brazilian pops, drifts often(BB)
- 6110 USSR Baku listed; classical mx 0405 under BBC. Only stn that fits.(DF)
- 6115 COLOMBIA Ondas del Meta 1035-1053 mx, TCs, ID, noise(CRP)
- 6115 CONGO RTC 0500 rel pgm to 0530, //4765(MAF) Sat to 2200 s/off w/Afr vocals, Fr amts, //9715(BP)
- 6115 USSR Khabarovsk w/classical mx: 1330(TDS)
- 6128v VENEZ R.Valles del Tuy 1055 Sp ID, cha-chas, etc(BB)
- 6130 GHANA Tema 2145 w/chamber mx, Eng mx: highlights(JDT)
- 6135 CHILE R.Concepcion, CE613; at good lvl 0025 w/mx, ID 0030. Unhrd for years(ARN)
- 6140 COLOMBIA R.El Sol; 1030 ID, "Todelar" ad, then "Col. Agricola". The Ecuadorian stn seems to have left this fqy(BB)
- 6150 AUSTRALIA ABC Melbourne; w/Eng news 0900(TEJ)
- 6155 JAPAN FEN 1135 pop mx:(DJ)
- 6157 HAITI R.Citadelle from 2225 w/Fr talks by man(DF)
- 6165 BRAZIL R.Cultura w/M&W tlking, Eng lessons, US pops 0020-0100 t/o(JTS)
- 6165 E.GERMANY RBI 0330 Eng, 0415 German; new fqy(ESB) Ex what??(DF)
- 6179v VENEZ R.Turismo, Valera; recently new outlet, noted 1035 ID. singing ads(BB)
- 6190 HUNGARY Budapest at 0400-0427 s/off(ESB)
- 6190 RUMANIA Bucharest w/Eng 0430-0501 s/off(ESB)
- 6190 RSFSR(As) Petropavlovsk-Kamchatski listed; Russ pgm, cmtry, 1055. //6200 unlisted both with auroral flutter(AVS)
- 6195 S.AFRICA SABC as early as 2130 w/ads, TCs, etc. "All Night Svc", exc lvl by 2200; in English & Afrikaans(ARN)US mx, ads, etc from 0415(GLD)
- 6196v HAITI R.Haiti w/native drums, Fr ID 1100, mx begins w/Quebec coverage(BB)4VHW at 1115-1145 w/Fr, pops(TDS)
- 6250 FERNANDO POO Santa Isabell 2215 w/Sp mx:(TE)2230-2258 s/off w/Afr mx, old US pops, anthem(RWP)Afr & Mex: mx to 0105*w/anthem 12 & 13 Oct, Indep. Day(ESB)
- 6254 GALAPAGOS IS LVG 0301-0405 s/off w/Ec mx, IDs(RWP)

- 6255 GALAPAGOS IS LVG at good lvl by 0230 checks, lite mx & pops(ARN)0307-0403 s/off w/songs, ID at s/off(CRP)On 6257 a few days; one nite past 0600, other nites s/off 0401A(JY)To 0430 s/off in late Oct. To 0450 s/off w/anthem on 5 Nov, fqy was 6257(ESB) So, they seem to have extended sked.(DF)
- 6400 N.KOREA KCBS w/Eng 2215; monotonous invictive, pretty music(ECS)
- 6540 N.KOREA KCBS s/on Eng 0800(DJ)
- 6600T N.KOREA KCBS in lang 0812(DJ)
- 7050 EGYPT Cairo at 2302 w/Arabic news at fine lvl(ARN)
- 7060 ALBANIA Tirana at big lvl in French 2255(ARN)
- 7110 AUSTRIA Vienna 2000-2200 German to Eur, mixed BBC(BB)
- 7111v MALI R.Mali 2230 US jazz, hard rock; good audio, hets EBC; tx: off abruptly 2246(BB)
- 7115 se Oct. Was Australia. SIBS has been off for 5 months(ESB)
- 7117v THAILAND TNBS at 1200 w/chimes IS, begin Mandarin(BB)
- 7125 GUINEA Conakry w/IS, anthem, ID, Afr mx: 0600, past 0630(JR)
- 7140 W.GERMANY DW s/on 2203 Port to Eur; NF ex 7205(BP) (GLD)
- 7150 S.AFRICA SABC w/mx, ads 0235, mi: Moscow. Also 2145(TE)Eng & ads; strong 0400/
- 7165 LIBYA El Beida w/charts 0525, thru QRM(RWP)
- 7210 MALI Bamako 2100-2300A s/off at big lvl(ARN) Should that be 7110??(DF)
- 7210 SENEGAL Dakar w/tlk & mx: in lang; ID 0843(MAS)
- 7215 BRUNEI RB 1224-1301 thru AROS; cmtry, local mx, old pops(RWP)
- 7225 KUWAIT RK on NF ex 15125; to 2113 s/off after ID as "Huna Kuwait"(BP)
- 7235 SOLOMON IS SIBS 0856 Eng mx, 0900 BBC mx, mx: 0917(JK)
- 7235 PHILIPPINES FEBC at 1245 w/lang cmtry, address 1255(DJ)
- 7235 W.GERMANY DW 2100 Sp, 2205 Port, //6120; new sked(ESB)
- 7260 UNID in Sp 0400-0430; IS of rooster crowing(ES)
- 7275 NETHERLANDS RN on NF ex 7205; s/on 0759, into Dutch to S.Eur(BP)
- 7306 NIGERIA E.Central State BC Svc s/on 0500 w/ Eng(RWP) (ECS)
- 9250 AZERBAIJAN SSR Alma Ata listed w/opera pgm 0200. At 0300 w/Asia Minor-type mx/
- 9520 BRAZIL - see Oct; should this be 9620?(ESB) Yes(DF)
- 9540 N.KOREA KCBS w/Eng 1130 by YL; het(TE)
- 9545 MEXICO XEFT(list 250w) no strain readability 0100 w/ID by man, into pgm; no QRI(ARN)
- 9550 GRENADA WIBS 1955 s/off Eng w/US rel pgm; ancd switch to 60 meters(BB)
- 9552 UNID Asian as early as s/on 0800; continuing 1200 w/Chinese opera; no IS or ID on the hour. Early reception places it in NE As, but seems too informal for Peking(BB)
- 9562 PERU R.Nacional at 0818 past 0842 w/mx, singing; wish they'd QSL(JY)
- 9570 CHILE R.Portales now s/on 0900; on summer time; exc lvl(BP)
- 9572 UNID in Indonesian or Malay 1050; some US pops; still here 1406, but weak; with flute music(JY)
- 9757 AUSTRIA Vienna 2300-0000 German to SA, under RAI; NF ex: 9690(BB)
- 9580 AUSTRALIA RA w/Eng to NA 1215-1315; quit the extended pgm; QSB(HM)Some indicate time should have been left alone as now reception not as good; but that is on WCNA. Remember, this transmission is beamed to ENA - the earlier time would be much too early for ECNA.(DF)
- 9585 FINLAND OYA 0200-0230 Eng to NA, Finnish to 0300; NF, new time; ex 2300 on 15185; BBC splatter(BB)
- 9586 BRAZIL "R.Nac. do São Paulo" 0930. Change in owner or relay?(BB)
- 9590 UKRAINIAN SSR Starobelsk w/Moscow Svc to Spain 2000. Only in band outlet for this one currently(GLD)
- 9595 JAPAN NSB Tokyo w/pop mx, Japamees news 1350-1430(TEJ)
- 9605 ECUADOR HCJB on new fqy at 0600 German, 0630 Sp, 0700 Fr(ESB)
- 9607 BOLIVIA se Oct; Is R.Pirai, cf July & Sept LR(ESB)
- 9620 YUGOSLAVIA Belgrade w/Eng 2200-2230; QRM CBC 9625(JBa)
- 9625 ISRAEL IBC 2055 Eng mx, IDs, address(RE)
- 9637 UNID. YL in Indian lang 1336, Indian mx past 1401, no ID or break on hour(JY)

- 9645 COSTA RICA TIFC 0330 Eng rel. pgm. ID, s/off 0430 after fqy & address(RB)
- 9650 BYELORUSSIAN SSR Moscoe confirms as Minsk, tho listed Moscow; English to ENA at 0100(AVS)
- 9655 THAILAND NBS Bangkok w/Cambodian mx: 1005, a taped Eng ID 1015, into Thai 1016. First time noted here in Overseas Svc, tho have hrd HS here before(BP)
- 9668 UNID Peking?? at 1344 oriental lang by YL past 1403(JY)
- 9670 USA KGEI Haven of Rest 0430 tune, sked 0400-0500 to LA, believe NF(DF)
- 9675 BRAZIL R.Diario da Manha 0920 Brazilian pops, fair(AVS)
- 9680 NETH ANT TWR w/Ger to SA 0900-0930, 1 hour earlier, new fqy(BB)
- 9680 VENEZ I think this is R.Monagas at easy lvl w/ads, etc, around 1000; new fqy(ARN) On 9682v, WRB lists as "R.Monagas"; all I've ever actually hrd is "Maturin". Around 1100. Beware RAE. (BB)
- 9685 see Oct. The UNID is Algeria in Kabyl net(ESB)
- 9690 W.GERMANY DW s/on 2300 Sp to SA, NF ex 15435(BP)Sked 2130-0030(DF)
- 9695 BRAZIL R.Rio Mar at 2215 futebol, heavy QRM(AVS)
- 9695 JAPAN NSB, see Oct. Should fqy be 9595?(ESB) Yes(DF)
- 9695 USA KGEI on NF at 0330 in Sp, from 1 November(ESE)
- 9705 BRAZIL R.Maua, Rio; 2200 Port cmtry, weak (AVS)
- 9715 SWEDEN R.Sweden s/on 2015 Russian to FE, NF ex 11705(BP)
- 9725 SWEDEN R.Sweden 0330-0400 Eng to WCNA, NF ex 9505(BB, BP, DS)
- 9725 ISRAEL Kol Israel w/Russian 2215-2231 s/off, //9009, new sked(ESB)
- 9730 BRAZIL R.Farroupilha at 1030 with Port cmtry(BB)
- 9741v ARGENTINA R.Splendid believed the weak Sp stn here 0945(BB)
- 9750v CHILE R.Mineria & all 31 meter Chileans are improving as winter approaches; at 1030 w/Sp ID, mx(BB)
- 9750 SWITZERLAND SBC on NF; 2330-0030 German to SA //9535, 11720, 15235. Tx is on 2300-0345 to the Americas(BB)Port news 2301, NF(JML)
- 9755 POLAND P.Warsaw in Swedish 1930, 1955 YL w/fqy, time breakdown in Eng; into French 2000(ECS)
- 9755 RWANDA DW, Kigali; 1957-2006 mx, ID, mx, cmtry; in German(AFR)
- 9757v UNID La stn 1115 in Sp; many ads, rapidly declining signal points to Peru; AFRTS splatter(BB)
- 10079v CLANDESTINE stn said to carry Sihanouk's "V. of Cambodian National United Front" noted 1130-1200 w/Cambodian political talks(BB)
- 10112v CLANDESTINE R.Espana Indep.; new fqy; s/off 2310, thru jamming(BB)
- 11321 INDONESIA R.Angkatan Udara, new fqy ex 11902v; pops 0730, off 0755; down from Peking 11325. Why this fqy?(BP)Noted 1100 Indonesian talks. Still hear UNID carrier on 11902(BB)Possibly a dual fqy?(DF)1115 ID, Indonesian pops(AVS)
- 11660 UNID w/Arabic type lang by man 1511, mx still here 1551. Another day seemed to have IS 1500, Arabic type lang by YL past 1509(JY) Likely Cairo(DF)
- 11672 W.PAKISTAN Karachi 1925-1953 Eastern mx in lang to 1932, tone to 1943, then Eng ID, mx, local mx(AFR)2045 editorial review(TE)
- 11690 ARMENIAN SSR? Erevan listed WRTH; end Eng 0326, then to Pacific Coast Svc 0330. (GLD)0300-0328 w/Eng from 0321, //11980, 17775, 15140, 15180, the last 3 at good lvl.(JK)Petropavlovsk w/Moscow Eng 0330 since mid-Oct(ESE) The FE QTH seems more likely, but would like to know where you got the QTH info, please.(DF)
- 11702m RSFSR R.Peace & Progress in Mandarin 0030-0100; only other Soviets off fqy have been spurs from hi-pwr Eur. txs. Is this intentional or a sure sign of the Decline of the East?(BB)
- 11705 NETH. ANT. TWR w/Arabic 0445-0515 s/off w/Eng ID. NF ex 11685(BP)0400 Russian, 0425 under BBC, ex 11865(ESB)
- 11705 N.ZEALAND RNZ w/Eng to Australia 1100; QRM from R.Australia(TDS)Hmm, bet that makes for rough listening near the RA tx(DF)
- 11715 ALGERIA RTVA 1831-1930 Arabic with march mx, //11810, 9685, 9510, daily. Sounds like "V. of Palestine Revolution", hrd in Sept. via Baghdad. 1932 with regular French pgm on 11715, 11835, Kabyl on 9685(ESE)
- 11720 CANADA CBC w/Fr to Eur 2020; NF ex 17820(BP)

- 11730 UKRAINIAN SSR Vinnitsa, as confirmed by Moscow, Eng to ENA 0000(AVS)
 11735 AUSTRIA Vienna 1200-1400 Ger to E.Asia. New fqy, ex 11860(BB)
 11755 GEORGIAN SSR Tbilisi 0615-0630 Fr to W.Afr(BB)
 11762 PAKISTAN se October, should this be 11672?(ESB) Yes -DF
 11780 MOZAMBIQUE RCM w/pops & Eng ID 0435(DJ) 11778 R&E mx: 0315(TDS)
 11780 LEBANON Beirut at 0130 anthem & French; NF ex: 11890 from 1 Nov(ESB) Arabic mx
 0315 tune(DF)
 11785 BRAZIL R.Guiaba 0120 pop & LA mx, Port annts(JDT)
 11790 AUSTRIA Vienna w/Ger ID 0030; classical mx from 0345 after TWR s/off, to 0355;
 NF ex: 11725(BP)
 11790 NETH ANT TWR w/Russian rel pgm 0405, NF ex: 11820(BP)
 11800 CEYLON R.Ceylon w/lang songs 1235, at good lvl on this measured fqy(DF)
 11810 ALGERIA RTVA w/Arabic chants & anthem to 0200 s/off. On late for Ramadan(ESB)
 11820 RSFSR(Eur) Murmansk s/on 1700 w/Moscow Russian. Only current in band fqy for
 Murmansk(GLD)
 11825 KUWAIT R.Kuwait 1725-1755 t/o w/pop mx, cmtry in Eng(JDT)
 11825 TAIWAN BCC w/IS, anthem 0850, into Japanese; weak(ECS)
 11830 N.ZEALAND RNZ at 0630 Eng ID, light mx(HS)
 11835 HAITI 4VEJ w/Eng mx: pgm 1300-1330(TEJ)
 11840 CUBA RHC w/Eng mx: 0233; believe NF. // 9525(JML)
 11845 NETH ANT R.Ned.; NF ex: 15425; 2300-0020 Sp to SA //6085, 15320(BB, BP)
 11845 KUWAIT R.Kuwait s/off Eng 2100 to Eur, 25 Oct(BB)Eng & mx: 1930-2100 s/off;
 New fqy to Eur(ESB)
 11850 GHANA R. Ghana at 1950-2016 w/Eng news(SH)
 11855 AUSTRIA Vienna 1400-1600 German to ME; NF ex 11860(BB)
 11860 NORWAY R.Norway 2100-2230 Norwegian to W.Indies; ex 15175, //9610, 11850(BB)
 11865 PORTUGAL DW Sines; Czech 2115-2145, Bulgarian 2200; NF ex 11905, mixed SBC(BP)
 11865 QTH??? BBC 0100 Hindi, 0200 Persian; new sked, new fqy(ESB) My information on
 BBC lang transmissions is rather incomplete this quarter(DF)
 11870 UNID Arabic 0700 mx, off abruptly 0717; sounds like domestic svc(BB)
 11870 INDIA AIR Variety Program at 1145 Hindi mx(BB)
 11880 ARGENTINA RAE w/orchestra mx & s/off Eng 2350(AEM)
 11880 MEXICO "R.Tricolor", new ID & new lvl(new tx?); continuous mx, IDs, //15110
 (AVS)0200-0430 & later w/mx, TCs, jingles, etc(JR)
 11887v BRAZIL R.Maua at 0030 Port talk, electioneering(BB)
 11895 FIJI R.Fiji on 10 October only for Independence Ceremonies; from 0230 w/special
 bcsts to island authorities. Good lvl here(BP) This might be a fqy to watch in
 the future on Indep. Day, etc(DF)
 11895 SWEDEN R.Sweden s/on 0515 Eng to Australia/NZ. New svc, too early here as is
 3:15 p.m. Have suggested 0715 GMT(BP)
 11900 S.AFRICA R.RSA w/lang, mx, ID 1545(ARN)
 11910 HUNGARY R.Budapest s/on 1100 w/new IS for overseas svc(ECS)
 11915 DODECANESE IS VOA Rhodes 2157 mx, Eng ID, Fr pgm; local Eng ID & s/off 2229(AFR)
 11935 BRAZIL R.Clube Paranaense w/Port 2325, good(TE)
 11938v BRAZIL R.Cl.Paranaense 0030 Port, futebol; drift(BB)
 11940 SINGAPORE R.Singapore at 1420 w/light mx, TC, news(DJ)
 11940 PORTUGAL R.Port.; s/on 0000 Port, //11840; Eng 0200, //15125(ESB)
 11948 PARAGUAY R.Encarnacion at 0045 w/sports(BB)
 11949v S.VIETNAM VTVN at 1130 w/Viet talk(BB)
 11950 LIBERIA ELWA at 0715 w/Eng rel pgm(JDT)Eng rel pgm 0630(TDS)
 11955 NETH ANT R.Ned.; s/on 2130-2250 Sp to Spain; NF ex: 17810, //6020L, 6085L(BB, BP)
 11965 RWANDA DW 1715-1745 Eng to C.Afr; sked //9735, under Tinang(EB)
 11975 GRENADA WIBS w/Eng 0155, nx 0159(JIL)0208 Eng mx:(JK)Eng mx, light mx: to 0210
 s/off(JW)11990, 0200 Eng Island mx: pgm, may be Sat nite only, not hrd other
 nights(HM)
 11980 ALBANIA Tirana; recent NF, apparent ex: 7300v; end Eng to Australia 0725; is
 //95029BP)

- 13560 USA KC2XIO, NBS Experimental Stn; M&W tlk each minute from 2110, not regular (FIAP)
- 14462 OKINAWA WUNC 1451 lang, CW pops(DJ)
- 14670 CANADA CHU at 1600; first time ever hrd this fqy(HM)Finally hrd thru UTE QRM 1411; hard to log here(AVS)
- 15000 ARGENTINA LOL w/YL w/TC 1110(TDS)
- 15080 INDIA AIR Bombay w/mx & tlks in Eng 1900-1945 s/off(JTS)
- 15100 USSR?? S/on 0830 w/mx & anthem. Soviet lang(ECS)
- 15105 BRAZIL R.Rural s/off 2330(TDS)
- 15106 GRENADA WIBS 2345 English(TDS)
- 15110 MEXICO R.Tricolor at 2130, new ID, apparent pwr increase, 2130 mx, Sp IDs(HM)
- 15120 CEYLON R.Ceylon Cml Svc s/on 0100, new time, after native IS, to SEA; then TC, pops; no strain lvl, all Eng(ARN)end Eng mx 0230, ID, TC, relaxing mx, rel tlk (DF)
- 15149 N.KOREA KCBS at 0000 in Korean, 0100 Sp, //16320(ESB) 0200 s/on Eng mx & cmtry; QRM(JW)
- 15155 BRAZIL R.Dif. São Paulo w/Port talk by man 0230(TDS)
- 15155 ECUADOR HCJE 1030-1100 German to SA; NF ex: 15135(BB)
- 15169 LIBERIA ELWA 2130-2245 ID, rel format, light mx, lang, new fqy(ARN)
- 15170 INDIA AIR Delhi w/Eng 1340-1400, Tamil 1430(TEJ)
- 15170 JORDAN Amman 2330-0030 Sp & Arabic to LA(BB)
- 15175 S.AFRICA R.RSA w/Eng mx: tp W.Afr 2101, //11900(JML)
- 15190 INDIA AIR s/off 0400 after Fasri to Iran, not often hrd(BP)Sked 0330-0400(DF)
- 15200 NIGERIA VoN s/on 1530-1700 Eng to S.Afr(BB)
- 15220 S.AFRICA R.RSA Eng to NA 2330-0320 //9695, 9705, 11875(BB, DF)
- 15235 SWITZERLAND SRC on NF ex: 15305, 2300-2330 Port to Brazil. The tx: is on to the Americas 2300-0115, has Sp 2330-0115(BB, BP)
- 15235 NETH ANT R.Ned.; s/on Dutch to W.AFR 2000, additional fqy(BP)2020(DF)
- 15240 CZECH R.Prague begin Fr to Eur 2030; recent NF, how long has it been here?(BP)
- 15265 SEYCHELLES FEBC w/Eng IDs & local mx: 1600(MAS)1620 Indian lang, Eng s/off armt 1630, Russian QRM gone 23 Oct(RWF)
- 15270 HAITI R.4VEH at 1300 w/Eng rel pgm (BB)
- 15273v URUGUAY SODRE at 2300 w/Sp ID, US jazz(BB)
- 15275 W.GERMANY DW w/Eng mx: to S.Asia 0940; NF ex: 17800(BP)Sked 0815-1030?(DF)
- 15310 BULGARIA R.Sofia s/on 2130 French (JTS)
- 15310 PHILIPPINES R.Veritas, Thai lang pgm 0005, sked 0000-0100(BP)
- 15330 AUSTRALIA RA s/on 0645 w/Eng to Eur //11710, 15320. Is ex: 9730. 128° over S. Polar route. Stays in Eng when 15320 switches to Indonesian 0800. QTH?(BB, BP)
- 15330 ITALY RAI end Italian to Australia 0645; NF ex: 15340(BP)
- 15335 INDIA - see Oct. AIR at 1340 is Delhi; Madras closes 1230(ESB)
- 15344 GREECE NBI, Athens; exc lvl 2200 open after IS, which to me is one of the most exotic ISs on the bands; march, ID, lang(ARN)
- 15350 USSR R.Moscow w/Eng cmtry 1505, good (RE)1500 s/on Eng to Afr, to 1528 s/off(JK)
- 15365 CLANDESTINE -see Oct - at 0200 in Sp, only RNE hrd. ECS does not mention them, were they off?(ESB) Ed?(DF)
- 15372v BRAZIL R.Tupi is back; 2300 Port mx, off abruptly 2302(BB)
- 15375 ECUADOR HCJE on NF(ex what? DF) 2230-2300 Russian to SA(BB)
- 15385 LEBANON Beirut w/Fr to Afr to 2026 s/off, late Oct. Some days was on 15380 instead(BP) This one is difficult to keep track of(DF)
- 15390 NETH ANT R.Ned.; 1955 Eng ID, to Eur, fqy, IS, 2000-2120 Eng; is NF ex: 6085L; //9715, 6020(BP, DF)
- 15420 BELGIUM RTB s/on 2212 IS, Dutch 2215, mix: RNE; NF ex: 11935(BP)
- 15430 S.KOREA VoFK w/Sp 0230-0300, Eng 0300-0323 f/o(JTS)
- 17380 INDIA AIR 1000-1100 Eng to NEA; weak, but improves(BB)
- 17650 EGYPT Cairo w/Port 1800-1845 s/off, 11 Oct only. Cairo on 17640, 17655, 17670 at same time(ESB)

- 17660 CLANDESTINE R.España Indep. at 1300 in Spanish under jammer, //15507(ESB)
- 17710 AUSTRIA Vienna at 1400-1600 Ger to SA over Moscow, ex 17880(BB)
- 17745 BELGIUM RTB 1430-1530 Fr, Dutch to Eur; NF ex 5980, //6010, 11715, 15325(BB)
Did you hear 6010?(DF)
- 17745 GREECE HBCI s/on 1730; plaintive shepherd flute & bells. 5 kw to Eur. Was looking for Kabul(ECS)
- 17780 INDIA AIR s/on 1115 Burmese, clear 5 November(BP)
- 17795 NORWAY R.Norway w/Norwegian nx 0505; new svc to ME/India(BP)
- 17795 AUSTRALIA RA, Shepparton; Eng to Pac. Is. 2030-0000, Fr 0000-0100; NF ex 11840. Then Eng to NA 0100-0300 w/100 kw; all at 63° beam heading(BP)
- 17810 PHILIPPINES FECC 0000 Chinese, 0101 IS & Indonesian; weak but clear(ESB)
- 17825 W.GERMANY DW 1430-1510 Arabic to ME, //15245. NF ex 17875; also //21605(BB)
- 17830 CEYLON R.Ceylon at 0930 Eng ID & TC for 3 pm, then Eng nx; apparently new svc, as this fqy normally only noted with Eng at 1100-1200(BP)
- 17830 SWITZ SBC w/Eng cmtry 1530 to ME(RE)
- 17860 MALAYSIA EBC at 0000 WS to 0048 s/off w/ID & fqys(ESB)
- 17860 INDIA AIR w/Urdu ID 0845; fqy varies to 17858 some days; QTH??(BP)
- 17870 AUSTRIA Vienna 1600-1800 German to S.Afr; NF ex 17365(BB)
- 17870 GHANA R.Ghana w/Eng nx 1445-1500(TEJ)
- 17872 UNID sounds like Polish or Slovak 1600; spur?(BB)
- 17885 PHILIPPINES R.Veritas test in Eng 1410, request rpts; QRM BBC(AEM)
- 21475 E.GERMANY RBI begin Arabic 1100, NF ex 15130(BP)1315-1400 Eng to C.Afr; app. ex 17825, //old 21600(BE)
- 21500 E.GERMANY RBI w/Arabic nx 1015, NF(BP) Arabic 1230(BB)
- 21505 ARMENIAN SSR Erevan, as confirmed by Moscow; Thai 1100(AVS)
- 21510 W.GERMANY DW 1045-1115 Eng to Afr; NF ex 21600, //11875, then Swahili, Hausa, French(BB, BP)
- 21555 BELGIUM RTB 1230-1300 Dutch, Fr to Afr. NF ex 21645, //15325, 17740, 177860(BB)
- 21560 ENGLAND BBC s/on 1100 Eng to Afr; new fqy(BP)
- 21585 SWEDEN R.Sweden w/Eng 1400-1430; nx & SCDX(JBa)
- 21605 KUWAIT R.Kuwait 1445 Arabic ID, gong(BB)
- 21680 AUSTRALIA RA w/Fr to Afr 0530; NF ex 15105; Shepparton, 100 kw(BP)
- 21690 CZECH R.Prague end Eng to ANZ 0755, Czech 0800, NF ex 21485, //21700(BP)
- 21690 GRENADA WIEB 2030 nx; pgm, IDs, ads; good(RB)
- 21690 NETH. ANT. R.Ned. s/on 1100 Dutch to SEA; NF ex 15425(BP)Dutch to S.As. 1230-1350, //21570(BB)
- 21705 USSR(QTH?) Moscow German to Eur 1000-1100, believe ex 17885(BP)
- 21715 ESTONIAN SSR Tallinn, as confirmed by Moscow; Arabic 1230(AVS) Bengali 1500-1530(BB) See also 6055, 6085(DF)
- 21730 NORWAY R.Ned.; s/on 1100 Norwegian to Indonesia/Australia; NF ex 17825(BP)

That's it except for a few items from Glenn Hauser, which I misplaced temporarily. They appear on the next page. They were here in plenty of time, I just misplaced them. Sorry.

With this issue we begin the use of initials for crediting items. This will be a bit awkward at first, but regular readers will quickly begin to recognize the initials of the regular reporters. Many will recall that initials were used one month only two years ago. No, this will not be an every other December thing; I will be using initials in future issues.

Another change in future issues will be more efficient use of abbreviations. This will serve two purposes. It will help to save space in the section of Friends, thus allowing for the inclusion of more useful information. Also, it will, to some extent, result in a more uniform presentation of material.

A REQUEST: PLEASE, if you mention items from other bulletins, give the source. That means the name of the bulletin, AND THE ORIGINAL CONTRIBUTOR. Thanks.

The 60 meter band survey announced in October will appear next month. This survey will be the result of a great deal of effort put forth by several NASWA members. It is hoped this survey will be the first of a series of surveys of the low frequency bands.

There are indications some are reporting schedule information to this section in the form of loggings. Not intentionally, simply thru oversight in failing to note that certain items are schedule items, and not loggings. I do appreciate your pointing out schedule changes, even if you have not logged the items, but please be clear as to what is a logging, and what is just schedule information.

CREDITS


- AEM A.E.Martin, England
- AFR Andy Rugg, Quebec, AR88-D
- ARN Al Niblack, Ind, SX-100 II
- AVS Al Sizer, Conn, HQ180A
- BB Bill Berghammer, NY, SP-600, HQ180
- BBr Bob Brode, CA SB310
- BC Bill Coleman, NC, DX150A
- BP Bob Padula, Australia CR100
- BS Bill Sparks, CA R-4B
- CRP Carroll Patterson, GA SX99
- DF Dan Ferguson, Fla, SB310
- DJ Danny Jamison, Va., SW-4
- DS Donald Schied, PA, HQ145A
- ECS Ed Shaw, VA, SX130
- ESB Ernest Behr, Ontario NC400
- GH Glenn Hauser, Thailand HQ160
- GLD Gerry Dexter, Wis, HQ180, R-4B
- HM Hank Michalenka, RI, GR54
- HS Harold Sellers, Ontario NC-33
- JBa John Banta, NY, SX110
- JDT John Tuchscherer, Wis HQ100A
- JK John Kolb, CA, SB310, SPR4
- JML John Leger, KY, S120A
- JR Jim Roberts, Manitoba Kenwood nr
- JTS John Soneff, LA, HQ-180
- JW Jim Weber, CA R4B
- JY Jim Young, CA HQ100AC
- MAF Marlin A. Field, Wis, SX100
- MAS Mario Sala, CA, SPR4
- RB Ron Bruns, MO, DX150A
- RE Bob Estand, Texas, SW4A
- RWF Robert Fisher, CA, SW-4A
- RWP Ralph Perry, Ill, S85
- SH Steven Handler, Ill, S120A
- TDS T.D. Smith, Texas, ??
- TE Tom Eby, Ill, HQ200
- TEJ Thomas E. Jones, Minn, SW4A

 Many thanks to Rob Harrington for phoning me with the news of Executive Editor Bill Eddings' heart attack. It's members who care who really keep NASWA going. Rob, I have misplaced your address, or would have written you. Would appreciate a note, giving your address. Thanks.

 The latest word I have is that Bill Eddings is home from the hospital, and in pretty good spirits. For this we are all thankful. I'm sure Bill would appreciate your cards.

 Now those items from Glenn Hauser, not necessarily in order by fqy.
 4830 MALAWI NF, 1903 nx in Eng to 1915, mx, Eng ID, into Afr lang. Rhodesia evidently not using 4828 presently.
 9872 PAKISTAN? first noted 39487(X4) w/S.As. tlk, mx; 1630, clear audio on harmonic, distorted on 9872. Syed Shanaz Qutab rpts in SCDX 1090 that a "R.Stn Multan" is testing in Pakistan on 9870. It may seem cumbersome & unnecessary to give the gentleman's name, but I believe it improper not to give such credit and I wish more editors felt this way. (GH) Failure to give proper credit has long been a pet gripe of mine. Another is the indiscriminate reprinting of items from other bulletins. It is not unusual to see one's items come back several months later after several reprintings, and in highly distorted and inaccurate form, and with no credit except to the last bulletin from which it was lifted! (DF)
 3211 MOZAMBIQUE RCM at 1933 classical mx, Port anmts, lite mx, ORTF transcription credit. 2000 ID for Pgm A after chimes. Quelimane regional listed for 3210. Seems to have been a shakeup recently in RCM fqys. (GH)
 4807 REUNION ORTF 1835 Fr discussion, Fr ID, s/off anmts in various langs with fqys inaccurate; ie, gave 2246 instead of 2446, 2264 instead of 2446, etc. Sked 0230-1900. (GH)

 Best Christmas wishes to each of you. Remember that many stations, especially those in CA/SA, stay on late for Christmas and New Year's Eve. This often provides the only chance for logging some of these stations.

FLASH SHEET  FLASH SHEET  FLASH SHEET  FLASH SHEET

AL R. NIBLACK
420 Shelby St.
Vincennes, Ind. 47591

Last Minit News/Tips

January Deadline, 23rd of Month

SUPPORT FRENEX
SEND IN YOUR
LOGGINGS INFO
SHARE WITH ALL

FREQ: in KCsTIME: in GMT

AUSTRALIA R. A.'s 17795 to N. America 0100-0300 gives good strength but is subject to annoying lkc het of unknown origin. Can anyone identify?? (Dr. Richard E. Wood, Ia.)

ASCENSION IS Conditions over the North Atlantic were disturbed around October 18-19-20-21. BBC listeners were advised to tune to Ascension, 9510. (Dr. Richard E. Wood)

CONGO(DR) 4839 Noted with the news in French 1931, 1935 into language. Bukavu presumed. 33434 (Glenn Hauser, Thailand)...Kinshasa, 15245, excellent sigs at 0200 T/I, 0300 S/off; in French with much African music. (Kevin Klemm, Wisc.)

COSTA RICA Radio Capital (formerly on 4692V) is now on new 4832-33, in usual Spanish. Also amcs for, "Radio Reloj de Costa Rica". (John D. Tuchscherer, Wisc; Gerry Dexter, Wisc)

ECUADOR 4765 Station C.R.E., Guayaquil, logged from 0400-0500 closing, IA and American pops, many ads, gud lvl, but tuff ID due to QRN. (John D. Tuchscherer)

INDONESIA (FLASH) Radio Angkatan Udara, Indonesian Air Force outlet, caught on new fgy of 11320 in Indonesian after 1100. Supposed to air English first Monday of every month at 1200. (Al Sizer, Conn.)

IRAQ 9610 Radio Baghdad located at 2102 with English news. NOT French as recently reported. Fair to good lvl. (Kris Lemma, Ind.) (CONGRATS, Kris, on the new WN9EYE, Editor)

GALAPAGOS IS (ECUADOR) (FLASHES) 6255M HCVG8, V. de Galapagos, first noted at 0235 on 9/28; on 9/30, heard till closing at 0400A. (Grady Ferguson, N.C.)... Jim Young, Calif., reports via long distance of a QSL letter just in, signed by Fr. Carlos Uria Sandoval, confirming 6255. Also mentions 6195, 6210, but included no prgm bulletin, though lists power of 1kW. Times of transmission (in GMT), 1230-1400; 1800-2000; 0000-0400. Antenna is a vertical dipole, intend for local reception. (PLEASE REFER TO PS FOR PREVIOUS 2 MONTHS IN RE THIS OUTLET, Editor) John D. Tuchscherer sends a xeroxed copy of letter of confirmation (QSL) of his report, from "R. Difusora La Voz de Galapagos", dated 28 de Sept. 1970, in which it quotes: "This is to verify and confirm your report that you heard us on the date of August 14, 1970, from 1052 to 1105 GMT. I am sorry that our transmission was covered by R. Malaysia for a time". End of quote. It was signed by Fr. Carlos Uria Sandoval, Director. (end of FLASHES). (This one has more facets than, "The Perils of Pauline". In the above, the underlining is by your scribe, Editor)

GREECE 15344 NBI, Athens, excellent at 2200 opening, preceding IS, march, then into language by M. (Al Niblack, Ind.)

GUINEA(PT) 5045M Emisora de Guine noted on this fgy 10/20, closing 0100; makes for zero beat with Brazilian on same fgy. New fgy, new S/off time, goes into "A Portuguesa". (Al

KOREA(N) 2795 Nangye observed 2024, march music, parallel 2850. (Glenn Hauser/ Niblack)

MEXICO 17895 R. Mexico, Mexico City, with an English ID at 2300, on this new fgy, and quoting parallels. (Leo Alster, N.J., via Editor Hank Bennett, SW Section NNRC)...KERR, 11880, noted at excellent strength, 0200-0300, with IDs, and a new slogan as, "Radio Tricolor". Prgming all popular music. (Al Sizer)

MALAWI 4830 Evidently a new fgy for noted at 1916 ID as, "You are tuned to Malawi; the time is 9:15. And, into an African tongue. 34343 (Glenn Hauser)

MOZAMBIQUE 3211 RCM, 10/16, at 1933, classical music; 2000 chimes, ID as, "Programma A", on 60 and 92M. Quelimane Regional is listed for 3210. Seems to have been a shakeup recently in RCM fgy's. (Glenn Hauser)...4935 RCM, 1750, in native language with Portuguese phrases; 1800, 4 chimes and, "Aqui Portugal, A Voz de Mocambique". Evidently a move from 4865 or 4925?? (Glenn Hauser)

MOROCCO (PLEASE TAKE NOTE) A QSL after 2½ years shows RTV Marocaine with ALL transmitters at TANGIERS except 6190, 7115, 7225, and 15345. Lists 6170 as TANGIERS NOT Sebba-Aouin. (Al Sizer)

(PLEASE TURN OVER FOR MORE LATE FLASHES)

PAKISTAN R. Pakistan, Rawalpindi, noted at good strength on 15130 with local ID in Urdu 1330, "Yeh Radio Pakistan, Rawalpindi hai"; abruptly off 1345. (Don Richard E. Wood)
REUNION 4807 ORTF, 1835 in French discussion, 1845 ID in French, S/off giving freqs as 602, 664(list 665), 4807, and 2246(should have been 2446 of course, sked 0230-1900 GMT. Greeting ships at sea and inviting letters. Multi-lingual anncts, brief ID, Ia Marseillaise and off 1850. 44444 (Glenn Hauser)

SPAIN (FLASH) RNE found with experimental new freq to N. America, 11925, 0100-0145, 0200-0245, 0300-0345, on 21 October. Replaces 9760 and a great improvement - 6130 noted in parallel. Still annct 9760 and 6140. (Dr. Richard E. Wood)

SWEDEN On 1 Nov. Radio Sweden will inaugurate a daily xmission in English and Swedish to Australia and New Zealand 0515-0615, in parallel with 17840 to S. Asia. (SCDXERS)

TIBET(CHINA) (?) (FLASH) Red Chinese HS pigging, possibly 3rd Svc, from Peking, noted 1130-1215 T/OUT, peaking around 1200. "East is Red" theme at 1200. Weak, fair to good at peak. Best on 5935, but a parallel on 9490, almost auroral in nature. FBIS lists LHASA on both freqs, but also Peking. So, which is it?? Use blocks listed 4035. (Don Jensen, Wisc.) (Tremendous, Don, how about a QSL from this one, if Ihasa? That would take some doing, Editor)

VENEZUELA (FLASH) Newly reactivated R. Puerto La Cruz, up from 2370, where formerly listed as inactive, has been logged with typical IA music, announc, on 3365 at 1013 when no QRM de R. Exitos, or not on the air. (Al Sizer)... (FLASH) 6070 Radio San Sebastian being heard 0130 tunings, till 0400 S/off, underneath CFRX. Difficult copy but definite ID noted. Best before 0300. (Gerry Dexter)

VIETNAM(N) Hanoi tuned on 15020V, 1300 noted with full ID and MBs quote by W. March, annct for American Service men in S. Vietnam, repeated ID, mx; 1304, M-W, commented about Nixon trip. (Grady Ferguson)

CLANDESTINE (FLASH) Just received a very attractive QSL card from Radio Espana Independiente. Is a fancy glossy card in deep blue and yellow, showing map of Spain in gold and black. There is no signer and no return address on the card. It verifies my reception of REI on March 2, 1969(long time a comin'). Frequency I listed in my report is the same as shown on the card, 17702, time 1641-1735 GMT. Card was in envelop with no return address but postmarked: Perpignan Entrepot, Pyr Oules(province) France. This must be a mail drop point! (Marv Robbins, Nebraska) (CONGRATS, Marv, Editor)

HARMONICS VIETNAM(S) 2400 AFVN Chu Lat(2X1200)(where I have never heard it), logged as a second harmonic, though suffers from heavy audio. AMPS freq 1658, not in parallel with 540, but during news at 1700, it was in parallel relaying Saigon. (Glenn Hauser)

RAMADAN A tip, Ramadan with extended hours for most Arabic stations begins 1 Nov. (SWCDERS) (Here may be your chance to log some toughies. Editor)

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 10-3-70, FOR SEPTEMBER 1970:
 1-98, 2-104, 3-110, 4-111, 5-114, 6-133, 7-136, 8-125, 9-116, 10-105, 11-75, 12-76, 13-73, 14-76, 15-75, 16-68, 17-65, 18-75, 19-98, 20-114, 21-129, 22-109, 23-104, 24-129, 25-114, 26-107, 27-87, 28-85, 29-81, 30-77
 MEAN=98.8

PREDICTED: OCT-94, NOV-92, DEC-90, JAN-88, FEB-86, MAR-84 (Grady Ferguson)

ACKNOWLEDGEMENT: A thank you to all those who submitted material to make this edition possible. Without your efforts the Flashsheet would not exist nor see the light of day. A special thanks to George Schnabel who presented us with a copy of his article entitled, "The Bolivian Situation". As we do not have space for such in the FS it will appear in another column in FRENEX, George DXes from the state of New York.

A most pleasant and interesting week-end in early October was spent with the visit of member Gerry Dexter of Lake Geneva, Wisconsin, to my QTH in Vincennes, Indiana. Gerry is a well known veteran DXer, and he brought along his collection of pennants. It is dazzling, to say the least. Though Gerry and I have known each other simply years through correspondence, this is the first time we ever had an "eye-ball". Time was spent in talking about the hobby, about DX, and visiting some of the historical sights of Vincennes. Gerry learned who Alice of Old Vincennes was, and her place in our history. Yes, I live on the Banks of the Wabash. A note to other DXers, when in the area, get in touch.

In closing please keep sending in the reports. Last minute Flash items may be phoned to, 882-3976, after 2300 GMT.

FLASHSHEET

Last Minute News / Tips

FLASHSHEET

Last Minute News / Tips

DEADLINE 21ST OF MONTH

COMPILED BY A. R. "AL" NIBLACK-EDITOR

420 SHELBY ST., VINCENNES, IND. 47591

FREQ: in KCS

TIME: GMT

ALBANIA R. Tirana to N. A. in English on new 6323; excellent at 0330. Later used to Europe in Bulgarian, Greek. (Dr. Richard E. Wood, Ia.)

ANGOLA R. Clube de Cabinda, is currently peaking around 2215, when usually noted with pops or light music, M in Portuguese, 5033... R. Clube de Luambo, 5060M, peaks earlier, around 2200, same general format of programming. Both outlets lists for LkW. (Gerry Dexter, Wisc; Don Jensen, Wisc; Al Niblack, Ind.)

ASCENSION IS BBC Relay, 11860, 0729, in English news at good lvl. (John Banta, N. Y.)
BOTSWANA Gaberones, 4845, is coming in almost nightly around 0445. Reception runs from poor to fair. (Kris Lemma, Ind.)

CONGO(PR) La Voix de la Rev., observed S/on 6115, 0430, Brazzaville. (Dr. Richard E. Wood)
CHINA An unknown mainland station in standard Chinese, believed provincial, / Wood peaks at 2300 on 9588.6. (Dr. Richard E. Wood)

DOMINICAN REP (FLASH) A new station, "R. Clarin", has been heard two nights with good signals, poor modulation, on 3405, from 0300-0400. Is irregular, located in Santo Domingo, gives frequent IDs. (Al Sizer, Conn.)...5010 R. Cristal S/on with IS at 0925. Sounds like a "morning show" type format. (Ed Shaw)

ECUADOR 4699A Heard around 0300 checks, seemingly moved, is Radio El Progreso, or possibly Radio Nacional Progreso. Typical Ecuadorian prgming and tone. (John Tuchscherer, Wisc; Don Jensen)

KOREA(N) 6400 R. Pyongyang noted in English at 2215. Their invictive is monotonous, but music is pretty. (Ed Shaw)(Is this possibly, Peking? Editor)

GABON 4777 Got a QSL from this outlet! I guess it is the first in the USA in 30 months! (Kris Lemma)... Gabon, R.D.-TV Gabonaise, 2110, native music and singing, all in French till 2130. Continued with news in Vernacular. (Ed Shaw)

GERMANY(E) 5955 RDI, at 0100 to 0140 closing, news, comments, talks, in English, beamed to N. A. fair lvl. (John Banta)

GHANA R. Accra, 17780, observed at 1523 in English, by woman anncr. (John Banta)

GREECE 17745 Listening for S/on of Afghanistan, which never showed-instead heard weak, plaintive shepherd flute and bells IS, of Athens, Hellenic DC Institue S/on. (Ed Shaw)

HONDURAS(R) HRVC listed for S/off at 0400, actually S/off at 0505 after two hours of religious prgming in English, on 4820. (Richard Heggs)

INDIA AIR logged on 11620, 1745, with English to U.K. and news at 1800. Initial time to hear this bcst. (Richard Heggs)

MALAYSIA BDCFES noted 1820, on 11955, with S/off in English; good. (Richard Heggs)

MONGOLIA Radio Ulan Bator is now scheduled in English 1220-1250 on 15440, 17780; and, 2200-2230 on 9540, 11860; heard in Chinese at 2300 on 9540. (SwcDXers)

PAKISTAN 7095 Radio Pakistan noted at 2020, English by M; at 2025 followed in native by W. (John Tuchscherer, Wisc.)

POLAND R. Warsaw. "Här är Polens Radio"(Swedish) heard at 1930. 1955 YL gives complete freq/time breakdown in English. Then piano IS follows till 2000. Followed by, "Ici Warsawva". QRM de BBC down 5 kcs. (Ed Shaw)

ROUMANIA 7225 Bucharest 7225(lists 15kW), heard at 2212 in German language. (John Tuchscherer)

SO. AFRICA For winter, RSA has added 15220 to previous 11875, 9705, 9695, to N.A. at 2325-0320. (Dr. Ricard E. Wood)

SEYCHELLES FEBA, Far East Beasting Assc., will conduct test transmissions on 11760, during November, beasting hours or schedule not known. (SwcDXers)

PLEASE TURN OVER FOR MORE DX LISTINGS

SPAIN According to information from Madrid, experimental frequency 11925, to N.A., at 0100, 0200, 0300, has proved successful and will be retained. 9760 is dropped.

(Dr. Richard E. Wood)

SYRIA(UAR) Damascus S/on at 0030 with IS, into Arabic, on 15290, and parallel 15165.

(Ed Shaw)

TAIWAN Voice of Free China noted at 1800 on 11825 with news in English, at fair lvl.

(Richard Heggs)...11825 This one BCC, Taipei, heard with IS, followed with anthem at 0850, into Japanese Svc, at weak lvl. (Ed Shaw)

TANZANIA ZANZIBAR (FLASH) Apparently the Zanzibar definite QSL project has bombed. According to friend Ger Dexter who has received correspondence from Omar M. Omar who states that it is still not possible to definitely confirm correct reports. No reason is stated, but for what it's worth, Omar still maintains that they will verify reports when it is possible. (Don Jensen)

USA (FLASH) Text of letter from Sandra L. Danielson from National Bureau of Standards for KC2XIØ reception. "We have received your recent reception report for KC2XIØ. The transmission you heard on 13.56 Mhz is an experimental broadcast and will be transmitting intermittently for a short time only. For this reason, we are not issuing QSL cards. We do thank you, however, for your interest in our broadcasts. Please let us know if we can be of assistance in the future". (Michael Macken, Mass.)

VATICAN Vatican Radio found on 7250 at 2053 with religious talk; at 2255 gave an ID, completely smothered by Moscow at 2100. (John Tuchscherer)

VENEZUELA (FLASH) on 5050, a new station, "R. Mundial", or possibly an old one with new call, heard last night with strong sigs, LA prgming, anthem, and S/off at 0400. Good lvl. (Al Sizer)...Seldom heard. Radio Ondas Panamericanas, El Viga, heard with weak signals 0445, probably extended schedule, on 3215. (SwcDXers)

VIETNAM(NO) 10044M Voice of Vietnam, Hanoi, is currently at good lvl when goes into English at 2300; gal quotes MBs, times, into news, native music, old pops, directed to American Sycmen in Siagon. Hanoi Hattie really does her thing. Closedown usually comes about 2326A. (Al Niblack)

WINWARD IS 3230 WBS, noted at 0150 with good music with songs like, "Put Your Head on My Shoulder", so on. Reception fair, in English. (John Banta)

USSR What ames as "Radio Kiev" gives the following sked to N.A., on Mons, Thurs, Sats, at 7:30 PM EST(0030) GMT; freqs 11.85, 9.76, 9.66, 9.61, 7.20, and 7.13; to Europe at 1900 GMT, on Mons, Thurs, Sats. Freqs, 7.12, 5.92. (Al Niblack)...4920 There is definitely a Rusky Regional on unknown location, in Russian on this fqy, well audible by 2200 when has 4 pips, unusual IS. Follows with prgming of light music or piano music. S/off at 2300. No strain lvl, any ideas, what say some Russian DXpert? (Al Niblack)

OCTOBER 1970

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 11-5-70.

1-62	2-56	3-42	4-54	5-74	6-52	7-71	8-72	9-67	10-72	11-74	12-79	13-83
14-86	16-93	17-85	18-75	19-82	20-69	21-68	22-72	23-88	24-99	25-110	26-116	
27-141	28-130	29-138	30-125	31-116	MEAN--85.0							

PREDICTED: NOV 92, DEC 90, JAN 88, FEB 86, MAR 84 APR 82. (Grady Ferguson. No. Car.)

Editor's note: Drop into the lower fqys, fellow DXers for your happy hunting, the Sunspot count is going down. Bring on the regionals!

ACKNOWLEDGEMENT: A solid thanks to all of those who submitted material to make this column possible. Please note, the deadline for the Flashsheet has been moved up to the 21st of each month. Interm Editor Ed Shaw has asked that we get the material to him on a slightly advanced schedule during the emergency, hence the move.

This is the last time that I will greet you during the year and prior to the holidays. Let us pause for a moment and consider the gravity and religious importance of the holidays coming up. Let us not forget. In a lighter vein, may Santa fill your DX stocking with rare catches. Please keep sending in the reports. Last minute items, or if you just wish to chat about DX, may be phoned to 882-3976, after 2200 GMT.

Vy 73,

FS Editor A. R. "Al" Niblack