

SPEEDY

SPEEDX

the dx radio magazine
for active shortwave listeners

NAME THAT QSL

LESOTHO
LESOTHO NATIONAL THE VOICE

SWL
DE RADIO ABIDJAN

TRANS WORLD RADIO SWAZILAND
QSL

STING CORPORATION
P.O. Box 1633
ACCRA, GHANA
Report of our transmissions
kcls heard at 3240
on 7th Nov, 1981
at which is much appreciated
M. Kwazi
for Director-General

ZIMBABWE BROADCASTING CORPORATION
QSL

D. SHARP-FL

TO NAME:
MR. DAVID SHARP
2204 BLIND POND LN.
LUTZ, FLORIDA 33549 USA

YOUR QSL CONFIRMED!
DATE: 14-1-81
FREQ: 3396 KHZ
SERVICE: Radio 1
SIGNED: D. Sharp-FL

MAY 1984

VOL 14

NO 4



SPEEDX SPOTLIGHTS

THESE SPECIAL DX'ers and SWL's

David Sharp, Editor

17602 Meadowbridge, Lutz, Florida 33549

Deadline: 12th of month

Hello, and as they say in Finland, terve! Yes, since I will probably be going to Finland this fall, I am attempting to learn the language. This month there are five new Full Members. Congratulations, guys!

J. SPEED GRAY....MI
RONALD MAY.....OH

MARTIN PECK...NY

JOHN PRATH....FL
JOHN WILLIAMS.MN

You've done your stuff, and now you enjoy the benefits of being a Full Member. Isn't it fun, up on top?!!

=====
May brings 34 new and returning members. Welcome aboard, folks!

John Jackson, Metairie-LA
Larry Yamron, Pittsburgh-PA
Dan Ferguson, S. Charleston-WV
Frank Shoemaker, Syracuse-NY
Koichiro Sasaki, Chiba-ken-Japan
Timothy Benko, Lansing-IL
William Beaver, Highland-IL
Roger Wilson, Jr., Cape Elizabeth-ME
Michael Neuverth, Colorado Sprgs-CO
Steve Wheaton, Sugarland-TX
Jacques Labere, Jakobshavn-Greenland
Steven Pastor, Glandale-NY
John Delk, Sacramento-CA
Clayton Harada, San Francisco-CA
William Butuk, Thunder Bay-Canada
Marshall Blackeller, Laud, Lakes-FL
Stephen Shawn, Salt Lake City-UT

Paul Mitchell, Tucker-GA
Villa Pier Luigi, Montale- Italy
Arthur Blair, San Francisco-CA
Susan Moll, Sanford-MI
Larry Talbot, Menomonee Falls- WI
Randall Jackson, Salem-OR
Michael Rigo, Seattle-WA
Richard Kemp, Lighthouse Pt. - FL
Bob Selvey, Newton-MA
R. Salomon, Simi Valley-CA
Robert Schumann, Dallas-TX
David Litsinger, Austin-TX
Kent Leonard, Denver-CO
Jim Renn, Wenatchee-WA
Russel Biggs, Ardmore-OK
Donald Ohlinger, Merced-CA
Paul Cobb, Marietta-GA

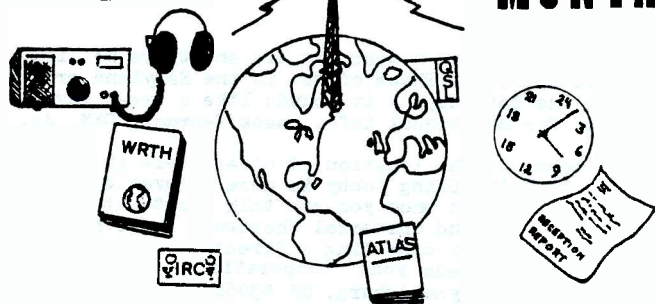
There you are, 34 fine members. We're glad you're part of SPEEDX now, and we think you'll find your stay most enjoyable. You've taken the first step to Full Membership by joining, and you will see your name at the top of the page if you start sending in your articles, loggings, and the like. You can send this good stuff to the individual editore by the 12th of the month, or through our Central Distribution Editor, Perky Peggy Thompson, by the sixth of the month. She'll pass your material on for you. Her address is: 2706 Alabama Street, La Crescenta, CA 91214. Whichever route you choose, let's hear from you in the pages of SPEEDX. You might find it's lotsuvfun!

HAPPY 1st BIRTHDAY, DX MONTAGE!!!

1315 David

DX

MONTAGE



DAVID SHARP
17602 MEADOWBRIDGE
LUTZ, FL 33549

DEADLINE: 12th of
the month

contests*club info*tips
anecdotes*humor and fun

Hello friends, and welcome to DXM. This column marks my first year of editorship with SPEEDX. I must say, the first year has been quite enjoyable, and that is due entirely to the consideration and kindness of SPEEDXers. Were it not for you, there would be no DXM. Thanks also go out to Rick Drollinger, John Trautschold, and Don Johnson, who have been of great help over the past 12 months! Well, I suppose that's enough reflecting for now; there were many good contributions this month, and I don't want to waste another line, so without further adieu, I present this month's material.....

The BOD have appointed John "Jack" Sanderson, Jr., 7738 Hampton St., Tucson, Arizona 85715 as the new Business Manager/Treasurer of SPEEDX. Jack is well qualified and eager to do the job. Logistics for the move of club HQS are being worked out and should be completed by June or July. Welcome aboard Jack!

Those of you who are active in the pursuit of pirate activity will be interested to know that SPEEDXer Keith Thibodeaux is offering a listing of 1983 pirate activity. This listing of over 300 broadcasts is provided in four different formats: alphabetically, chronologically, by frequency and by time. All four listings are available for a mere 3.00 from Keith at: 9525 Woodbine Dr., Baton Rouge, LA 70815-4267. (I remember the first pirate that I heard; it was RX4M, the Voice of Clipperton. Ever since, I've been hooked! ds.)

Via John Demmitt-PA, comes word that Radio Havana is having their 21st contest and is offering five all-expense paid trips to Cuba (nothing mentioned about the return trip, hi.) Applicants must obtain an official entry blank from RHC, which will give details of the essay. You can write to RHC at: Box 7026, Havana, Cuba.

Also through John D. comes word that R. Mediterranean has announced a change of address. Those wishing to send reception reports may now send them to: P.O. Box 2, Valletta, Malta. From Michael Schulsinger comes word of another address change, this for Radio Exterior de Espana. They can now be reached at: P.O. Box 156,202, Madrid-24, Spain.

SPEEDXer Edward Soomre-MA writes in to inform that Radio Canada International plans a future 300 kW relay at Daventry by 1986 (not BBC), and Radio Netherlands plans a relay in the Far East; in Indonesia, Thailand, Japan, or Hong Kong (this via a recent Media Network.) I suspect the most likely choice for RN will be Indonesia. ds.

The popular QSL Address Book by Gerry Dexter is now available. This fourth edition lists over 800 station QTHs, plus related info. QSLing policy, tips, and much more. Cost is 6.95 (U.S.A.) from Gilfer, P.O. Box 239, Park Ridge, NJ 07656. While HQS does not have a copy yet (Hey Gerry, that is a hint, hi!) we have been very impressed with the prior editions. If you are seriously into QSLing, this book is a must for you! It will give you a leg up over the info presented in the WRTH. Tell Perry Ferrell of Gilfer's you read about it in SPEEDX.

Hit and miss is the word from Radio Tirana and their QSL policy. Our friend William Muzyka-NY recently sent RT a reception report, but never received a reply. That is, until he r'cv'd a "Happy New Year" card from the station (and in March to boot, ds.) This brings up the question as to how to get a RT veri. Reliable sources indicate that RT only sends cards to those who report on the entire half-hour transmission...and if that's the case, I doubt many DXers will ever get a card. I, for one, find it impossible to listen to RT for more than a few minutes, hi! ds.

Carl Olson-MD sends word that the phone number for his shortwave hotline has changed, and is now: 301-231-3730. Those of you in the Maryland area may want to get involved in the hotline, as it sounds like a great way to keep up on late DX loggings. For additional info, check February DXM. ds.

A recurring problem in our hobby is the location of other DXers in one's own locale. Few would argue that the DXing hobby is more enjoyable when you know other listeners in your area with whom you can talk about mutual interests. Fortunately, Fred Osterman and Universal Shortwave Radio have come up with a solution. They are presently compiling a directory of listeners, and to make it possible, Universal needs your cooperation. If interested, write to Universal (1280 Aida Dr., Reynoldsburg, OH 43068) for their address form. Upon returning it to Universal, you will be included in their directory. Those who partake in this effort are under no obligation, but will be notified when the directory is available. Sounds like it'll be a handy reference! ds.

Pin the Tail on Ye Ed: Last month, I wanted to know the name of the now defunct international shortwave station in Chile. The answer is La Voz de Chile (The Voice of Chile.) The winners for this month are: Larry Garrett-CA (tnx for the letter and bumper sticker, Larry! ds.), Mike Femver-AZ, Steven Lare-MI, John Walters-NJ, and Michael Schulsinger-OH (that was a nice pc you sent your entry on, Mike! ds.) All of these folks will be getting some nice things real soon. Also to be congratulated, are several late entries from the March contest. Those folks are: Charles Hodgson from SABC-Land, and John Gunter-NC. You all will be getting a SPEEDX bumper sticker. And finally, this month's competition: Over to the side is a logo from a shortwave station sometimes heard in North America. Those who can tell me the station will get some bumper stickers from local FM radio stations. All who enter will get a membership credit, and late entries from overseas will be accepted, provided they are postmarked by the 20th of the month....

Bill Tim-CT forwards information from the Radio Budapest SWC DX News....Dutch DX club (PA-R13) has a special section for certificates. The club has a "Holland Certificate" and it's available for 2 IRC's, on the following conditions: Certificate "C" can be obtained by receiving 2 different transmitters of R. Netherlands. Certificate "B" can be obtained by receiving 3 transmitters. For Certificate "A" one has to receive 5 different stations, two HV transmitters, plus a Dutch station in Holland or MW and a local FM station or a pirate station on SW broadcasting from the Netherlands. Reports should be addressed to: E. Holland Certificate Section DX Club (PA-R13), Kluisstraat 20, 5724 AE, ASTEN (N. Br.), The Netherlands. Wow, what a mouthful! ds.



Speaking of awards, we once again feature recipients of awards in the SPEEDX Awards Program: PACIFIC LISTENER: Robert Ruckman. EUROPEAN LISTENER: Don Brewer, Betsy Robinson, Larry Lutsky, Donald Baker, Robert Adams, and Sherman Karns II. ADVANCED: Frank Welch. EXPEDITIONIST: Daniel Greenbauer. Y'all have done good, and your efforts were rewarded with a handsome award. Those of you who may want to know more about this program should drop a line to Awards Chairman, Jack Jones, at: 304 Robinhood Rd., Jackson, MS 39206. Jack will be more than happy to send you the info you need!

White's Radio Log is once again available after a few years lapse. It went by the wayside in 1981 when Communications World fell on its face. It is now offered as a separate publication for 6.95 including shipping. Order from: Worldwide Publications, Inc., P.O. Box 5206, North Branch, NJ 08876. (Tnx to Don Johnson-CA for this. White's is really comprehensive and an excellent supplement to the WRTH. They even had a listing for WASU-FM, the 340 watt station I worked at in NC. No doubt they had to dig for that one! ds)

A special SCADS meet is scheduled for July 21st. This is just before the Los Angeles Olympics so some of the international broadcasters who will attend the Olympics are expected to be present. It will be held in Orange County, where prior SCADS meets were held. A chance to meet the voices you hear on SW. For more info contact: Don Schmidt, 3809 Rose Avenue, Long Beach, CA 90807. Once again, tnx to Don Johnson-CA for forwarding this. ds.

ONE MORE PAGE TO GO!!

DXM Station Review...UN Radio in New York: The primary task of the United Nations Radio is to help radio stations in all parts of the world to provide their listeners with comprehensive information about the UN. At Headquarters there are eight fully equipped and staffed broadcasting studios which are used by the Radio Service for its own productions.

On request, such studios are used by correspondents for production of their own recordings and circuits; during General Assembly sessions, an average of over 300 radio correspondents are accredited to Headquarters, of whom some 120, with permanent accreditations, operate throughout the year.

Programs are produced by the Radio Service in over 20 languages and in a great variety of formats, for broadcast by radio stations and networks. The programs are provided free of charge and are distributed by diplomatic pouch or airmail.

The Radio Service does not have transmitters of its own but regularly rents transmission time on existing national-shortwave stations for the broadcast of UN news and programs. These broadcasts are beamed to Africa, Asia, the Caribbean, Europe, Latin America and the Middle East. During the sessions of the General Assembly, the broadcasts are undertaken daily, and at other times weekly. (Thanks to UN Radio for supplying this information. ds.)



On Site World's Fair Coverage: WENO Worldwide, based in New Orleans, became involved in the World's Fair when it was first being organized. WENO founder Joe Costello noted, "The fair director Peter Spurney made several presentations about media support. When it came to pass that the charter was granted and financing was intact, WENO actually began an on-air promotion requesting listeners to submit suggestions that would make this fair the best ever. The response was overwhelming and in exchange for their cooperation, we provided the respondents with a special QSL card.

At that juncture, it wasn't difficult for the committee to determine which radio station warranted the title "official radio station of the World's Fair."

Soon enough, Costello was busy developing blueprints for the studio he would build among the pathways of aviaries, fountains and gothic structures tucked away in the 3000 foot Wonder Wall, a montage resembling a Hollywood set that winds through the heart of the fair. Without adequate resources to justify the capital acquisition of equipment for the fair, Costello set up a meeting with Harris Corporation to discuss a mutually beneficial arrangement.

Having purchased a Harris shortwave transmitter in 1981, Costello prevailed upon his relationship with the firm to outfit the control room at the fair. He said, "I explained to them what a great promotion it would be if they used their association with the fair in their trade advertising. To them, it was no more than setting up equipment at a trade show and certainly, there would be less wear and tear on the system than there would be at a trade show where millions of people fool around with the systems. They thought it was a good idea and it spared me the expense of buying equipment I could only use for the 180-day duration of the World's Fair."

WENO Worldwide will be doing its show daily from noon to midnight from the fair, and WENO-FM will emanate its morning show from the same locale on a to-be-announced schedule. Regularly scheduled programming will be augmented by interviews with fair participants and broadcasts of fair activities. (Txn to Ted Guckley-TX for providing this from a recent Broadcast Week. ds.)

Well, that's it for this anniversary DXM. As always, it couldn't have been done without your support. Before I forget, Tom McKeon, thanks for your call, and Mark Koukol, txn for your great letter. See y'all next month. Here's to another year with SPEEDX!

CRACKER COUNTRY:

This "CC" was done in invisible ink for the benefit of those who tire after reading 3 pages, hi.

73's and best -
David

14 April, 1984 5

Tips and Topics

THE FEATURE SECTION OF SPEEDX

EDITOR: ARTHUR S. GETZEL - 170-40 Highland Ave., Jamaica, NY 11432

It is with great sadness that I must resign as editor of this column. For over ten years I have enjoyed doing Tips and Topics. Together, we have seen many changes in our hobby over this time span. When I first became an editor, calibration charts and frequency meters were still in vogue while today, we have receivers that can vocally tell you what frequency you are on. We have come a long way. But, now is the time for other hands to carry on the job. I hoped to go on with the column. However, a new job, an advanced degree program as well as family responsibilities have made this near impossible. I will still be around and hopefully I will remain an active supporter of the column as well as the club. I thank you all for your support.

BOOK REVIEWS

THREE VERY IMPORTANT PUBLICATIONS
by Dave Maxfield, MI

Browne, Donald R. INTERNATIONAL RADIO BROADCASTING: THE LIMITS OF THE LIMITLESS
MEDIUM. N.Y., Praeger, 1982. 369 pages. \$31.95

MacHarg's TUNE IN THE WORLD (reviewed last month) is a rather simple work, intended to provide quick guidance to current SW programming. Dr. Browne's book is quite another thing, surveying the political, economic and cultural aspects of international broadcasting as a whole. Using individual stations as case studies, it provides wide ranges of well-digested fact and opinion--both current and historical--with depth, perspective and critical analysis.

Like MacHarg, its author also spent 25 years getting ready--listening, rading and visiting stations. Beginning as a VOA correspondent in Tunisia, Browne is now Professor of Speech-Communication at the University of Minnesota, having previously served at Boston U., Purdue, and the American University of Beirut. He has published extensively on international broadcasting in scholarly journals. His present book is very easy to read; for his style is the end product of lucid and unbiased scientific thinking. Documentation is profuse, however, with many pages devoted to footnotes and bibliography. Chapter titles are as follows:

1. The Process of International Broadcasting
 2. The Growth of International Radio
 3. World War II
 4. The Voice of America
 5. America's Other Voices
 6. BBC's External Services
 7. A Western Assortment
 8. Radio Moscow and Other Soviet Voices
 9. The Other Voices of Communism
 10. The Third World Speaks
 11. The Voices of Faith
 12. Who Listens and How Do We Know?
 13. Looking Back and Looking Ahead
- Appendices

Having perused these chapters, the reader will have a clear picture of what international SW broadcasting is, and what it is not, as well as how and why it got that way, and whither it may be tending. Not only are several dozen stations discussed in great detail, and their individual characteristics carefully delineated, but generalizations are developed which put all the various kinds of stations into a world picture, enabling the thoughtful SWL to understand more ttuly what he has heard, and why he has heard it. (The DXer, of course, may be less benefited; for Browne mainly deals with stations whose targeted audiences are outside their own national boundaries.)

Few radio hobbyists will want to pay \$31.95, even for so excellent a work. However, many college, university and large public libraries will stock it, while most small public libraries can get it by interlibrary loan. As many SPEEDXers (and others) as possible should seek out this book, and read it thoughtfully.

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International Radio Club of America. A DXER'S TECHNICAL GUIDE. 2nd edition, 1983.
IRCA, P.O. Box 17088, Seattle, WA 98107. 118 pages, paper, \$6.50 plus \$2.00 p. & h

The IRCA is a small club (400 members) with an important publication program. It concerns itself exclusively with MW DXing. The present book, however, presents so much solid material about radio electronics in general, and equipment characteristics in particular, that technically-minded SWL and SWDX hobbyists also will find it of great usefulness.

Although the work consists of a large number of small signed articles organized into larger chapters, it reads almost as if it were written by a single author because of its excellent editing. Graphics are profuse and of high quality. Liberal documentation, as well as the reputations of the individual writers—many of whom are well-known to SPEEDXers—guarantee its authoritativeness.

Chapter I (p.1-40) deals with Receivers, first discussing their various components and necessary characteristics—especially selectivity and signal handling ability—and then reviewing more than 30 individual receivers, almost all of which are well-known to SWL/DXers.

Chapter II (p.41-54) presents Receiver Accessories, stressing devices that an owner can construct for himself, but does not neglect commercial products.

Chapter III (p.55-86) deals with Antennas, especially loops, whips, couplings, preamps, etc. for MW. Again emphasis is placed on do-it-yourself. Relatively little, however, is said about grounds and grounding.

Chapter IV (p.87-112) discusses Receiver Modifications, especially what the owner may do on his own, and concludes with observations on how to design a complete home-brew MW receiver from scratch.

Chapter V (p.113-118) consists of several useful Appendices.

All in all, this is an excellent book, even though MW thinking predominates throughout. Get hold of it, especially if you have the technical background to make optimum use of it.

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The International Shortwave Listeners' Program Guide. Miller Publishing, 424 West Jefferson St., Media, PA 19063 U.S.A. Six times a year. Annual subscription \$19.95 in the U.S., \$12.00 more overseas. Mailed First Class. Vol. I, No. 1 was issued April 1984.

Printed in 8½" x 11" size on the cheapest newsprint, this 30 page journal is not prepossessing at first sight—especially since individual copies cost more than \$3.00 each! Actually, however, it contains just as much material as an issue of SPEEDX, and a lot of loving care has gone into its production; for its three-column, well-illustrated, news-magazine format is quite inviting. Moreover, the writing is both smooth and full of timely information, while the proof rading is impeccable. Several well-known SWL authors are among the contributors. Editorial comments are kept to a minimum, are clearly labeled as such, and never intrude into the main body of the text. Almost no advertising, however, appears as yet.

The contents includes several regular features. "DXpert" Richard Wood presents a bi-monthly column of brief but valuable programming news tips. Roger Legge contributes "English Language Broadcasts to North America," a listing of stations and their frequencies by times of broadcasting. This is followed by several pages of "Programs at a Glance," which integrate the program titles of many important SW stations by day of the week and hour. The bulk of each issue, however, consists of news and feature articles about SW broadcasters, programs and stations, with several long stories dealing with regional and/or national programming. DX targets, scientific details, etc. are left to other publications.

In issue no. 1, HCJB, Radio Jamahiriya, and Vatican Radio are treated at length, along with Asian, Latin American, Middle Eastern, and Soviet domestic programming. Many significant items of spot news also appear, viz. Clayton Howard's retirement, Radio Finland's ouster of Patrick Humphries, USIA under fire, WARC '84, etc.

All in all, the ISWLPG is—as it is intended to be—an excellent continuing supplement to Ken MacIarg's book Tune in the World, also issued by Miller Publishing and reviewed in the April 1984 edition of Tips and Topics. Its only faults are three: the miserable paper stock upon which it is printed, its unfortunate price, and the number of articles

which are broken to jump to continuation pages in the back of the book. With regard to the first two, a steady input of appropriate advertising should permit the publishers to make suitable improvements ere long. As for the third, if Newsweek can avoid remote continuation pages, so can ISWLPG.

SAIPAN

SAIPAN UPDATE

by Adrian M. Peterson, India

During this past year, two new SW stations have been installed on the island of Saipan in the Northern Marianas. With the opening of the new FEBC outlet, this makes a total of 7 different radio stations which have broadcast from this Pacific outpost.

This is the fascinating forty year story of radio broadcasting from Saipan, Northern Marianas.

The island of Saipan is located in the Western Pacific, midway between Japan, the Philippines, and New Guinea. It is the second largest island in the Marianas, with an area of 47 square miles. Saipan is a hilly island, 14 miles long and 5½ miles wide, and its highest point is at an elevation of 1500 ft.

Saipan, and the Marianas, were discovered by the explorer Magellan in the year 1521, and they have been controlled by Spain, Germany, Japan, and currently the United States. The original inhabitants are descendent from the Micronesians, and speak Chamorro. Saipan is the capital of the Marianas, with a population of 10,000.

Throughout the years, there have been a total of seven different radio stations operating from the island of Saipan. The new KYOI was the sixth station, and the new FEBC SW station is the seventh.

1. The first radio station to broadcast from the island of Saipan was the AFRS outlet WXLD. This unit commenced broadcasting on August 15, 1944 with 1 kW on 660 kHz. In April 1945, the channel was changed to 1280 kHz, and late 1945, the station left the air when US forces were transferred. At first, programming for this station was locally produced, but when KRHO-KSAI began broadcasting from Saipan, station WXLD took a tandem relay from the new station.

2. The next station on Saipan had quite a remarkable history. At first, the 50 kW MW transmitter was located on a US freighter, the "Phoenix", which had been fitted out by OWI as a broadcast station, similar to the more familiar "Courier". Broadcasting from this ship began off the coast of Hawaii in January 1945, with off-air relays of the shore-based VOA station KRHO. No local announcements were ever given over the ship station. Many channels were used, in an effort to dodge jamming, such as 1000, 1010, 1012, 860, 960, and 1090 kHz.

The MW transmitter was removed from the freighter and was installed in a building on the island of Saipan. The first broadcast from this new location was made on March 11, 1945, when the location was given in announcements. However, no call sign was announced, and the outlet continued to be known in the DX world as KRHO, simply, because it relayed the programs from this station in Hawaii. However, in June 1945, a QSL was received in New Zealand, identifying the station with the call sign, KSAI.

This 50 kW station was used specifically for MW broadcasting to Japan, and it was last heard in September 1945. Programming was transferred from KSA to the 5 kW MW station in Manila taken over by the US in mid 1945 for VOA programming.

(The US Navy station, NPLH 7350 kHz, which was heard in February 1945, was probably a communication transmitter on the same freighter, "Phoenix".

The 50 kW MW transmitter on Saipan was removed and transferred, this time to the Malolos VOA base in the Philippines, where it began broadcasting on March 7, 1948. In 1969, when VOA Tinang became operational, the Malolos base was given to the Philippine government, and the MW outlet became DZRP on 920 kHz. Thus, this unique 50 kW MW transmitter broadcast for VOA from a ship, from Saipan, and from Malolos.

3. After the closure of KSAI Saipan, there was gap of some 20 years with no broadcast station on the island. The first new station, erected in 1965, was designated as KJQR. This government owned station took the air in mid 1965 with 1 kW on 1350 kHz. This station left the air fourteen years later in 1979, some three years after the commercial station WSZE became operational.
4. The twin outlets of WSZE began broadcasting in June 1975 from Navy Hill with 1 kW on 1050 MW, and 200 watts on 93.9 FM. This commercial outlet is still on the air today.
5. The Gospel KSAI, the second broadcaster on Saipan with this call sign, is located at Susupe. It began broadcasting on Easter Sunday 1970, with 1 kW on 940 kHz. The

station is owned and operated by FEBC Manila, and is programmed with Gospel and community features. A 10 kW MW transmitter for KSAI is currently under installation.

6. The first SW station on the air in Saipan is the commercial SW outlet, KYOI, which was first heard with a test broadcast on December 18, 1982. The first test was a tone signal on 15190 kHz. Subsequently, test programming was introduced, and the station is now on a regular schedule, beamed to Japan. This station identifies on air as "Super Rock", and it broadcasts contemporary music interspersed with English and Japanese announcements. The programs are produced in California.
7. The next station for Saipan, the seventh, is the FEBC outlet located at the Northern end of the island. Work at this site, a 400 ft. cliff overlooking the ocean, began in January 1981, but it was halted temporarily at the death of the contractor. The refurbished 100 kW transmitter at the FEBC site was originally a VOA transmitter in California. It operated as KGEX from Belmont (now an FEBC site) with Spanish programming to South America. This unit was transferred to Okinawa in the late 1950s, where it carried Chinese programming to Asia as OKI-5. It was on the air in Okinawa from 1959 to May 1977, when the VOA base was closed.

Although Saipan is but a small island, it is strategically located for international broadcasting to Asia, for this purpose, and for the benefit of the local inhabitants, the 7 stations have been erected, with transmitters operating on SW, FM and MW.

DX1000

THE BEARCAT DX1000 COMMUNICATIONS RECEIVER

by Mike Nikolich & Gary L. McGriff, IN

The Bearcat DX1000 is a microprocessor-controlled communications receiver that makes dialing in the BBC in London as easy as dialing a push button telephone. Featuring direct access keyboard tuning, the DX1000 can tune from the BBC World Service to a newscast from the Voice of Nigeria instantly, without bandswitching. Frequency coverage in continuous from 10 kHz to 30 MHz, including all shortwave bands, longwave, standard broadcast band "AM", amateur radio broadcasts and even the marine band.

As easy as the DX1000 is to operate, it has all the features even the most sophisticated DXer could want. 10 memory channels make it possible to store favorite frequencies for instant recall—or for faster "band scanning" during important openings. The digital display measures to 1 kHz, or at the touch of a button, doubles as a two time zone, 24-hour digital quartz clock. A built-in timer wakes the user to a favorite station, or can be programmed to activate a tape recorder to record up to ten broadcasts, in any frequency or mode, while the user is asleep or at work.

Other important features include independent filter selectivity with 12, 6 and 2.7 kHz IF filters to help separate high-powered stations on adjacent frequencies, plus a two-position noise blanking system that stops Russian pulse radar interference. In addition, the DX1000 features a two position RF attenuator, FM squelch control, tone control, battery back-up system to hold memorized frequencies and time if power fails, LED indicators for modes and functions, front mounted speaker, "fast"/"slow" automatic gain control, and separate push buttons for selecting AM, LSB, USB, CW or FM modes. The unit comes with a built-in telescoping antenna for portable use, and includes an S0-239 antenna connector for 50 ohm leads, and a screw connector for "High Z".

The Bearcat DX1000 can be operated with batteries (12 Vdc), or from an electrical outlet (120/240 Vac). The unit measures 14-1/2" W x 5" H x 9 3/8" D, and weighs 17 lbs. Each radio comes with a free shortwave information guide that includes listings of stations from all corners of the world.

The Bearcat DX1000 has a suggested retail price of \$599.95. Further details are available by contacting Electra Company, 300 East County Line Road, Cumberland, Indiana 46229.

SHUTTLE

SPACECRAFT COLUMBIA ASTRONAUTS HEARD ON SW BANDS

by Don Brewer, AR

Perhaps never before in the history of the US space program have so many communications enthusiasts been able to hear astronauts' conversations with Mission Control than during the STS-9 shuttle mission last December, thanks to a maximum effort by radio amateurs who work for NASA.

Two amateur radio stations were in operation around-the-clock during the mission, broadcasting transmissions to Houston from the Spacecraft Columbia and from Mission Control to the Columbia, which carried the largest space shuttle crew to date—six men, including two non-astronaut scientists with no previous space travel experience.

first choice with two drawbacks, the 16K memory is limiting and the promised BASIC cartridge to learn programming was not yet available at the time of the article was written. Noted was the serious weakness of the Radio Shack DMP-100 printer, their cheapest model. The print quality was poor. (see previous paragraph. ed.) Other more expensive Radio Shack Models may be better. This same complaint was made of the VIC-1525 printer which was selected for the same reason of keeping the cost down for the package. Also, the "Quick Brown Fox" word-processor cartridge is poorly documented. As to the Adam, mention was made that the components are big and heavy and the printer is noisy.

The articles from CONSUMER REPORTS are now combined into a 76-page report, "Computers At Home" covering what goes into a home computer system; how people are using home computers; which computer you should consider for what purposes; how to choose printers and monitors and how to select programs for word-processing, games, education and home finances. There are 20 models compared. It can be ordered at \$2.50 a copy from Consumer Reports, P.O. Box 1949, Marion, OH 43805. Discounts are available for 10 copies or more.

Tidbits

SPEEDXER ISSUES NEWS- LETTER: The Clan- destine Confidential

Newsletter began with the February 1984 issue, and will appear six times a year. It contains latest frequency and scheduling information, as well as background data, addresses, and feature articles on individual stations. Send \$10 (\$13 out of North America) to: SPEEDXer Gerry Dexter, RR4, Box 110, Lake Geneva, WI 53147. (Dave Maxfield, MI)

DXER'S DIRECTORY: Fred Osterman is combining his talents as well as a computer database program in order to come up with a directory of DXers. To have your name included, just write to Fred at 1280 Aida Drive, Reynoldsburg, OH 43068. (Direct)

NAME CHANGE: Last month I mentioned the formation of a "West Coast DX BBS". However, its name has been changed to the "Midnight Oil BBS". It will be up 7 days a week from 10 PM to 8 AM. It will feature a DX logbook, message base, Eliza, Data Library, Program up/download-ing and even a blackjack game. (Michael Nowicki).

IMPROVING NOISE BLANKER EFFECTIVENESS:

Many of the better communications receivers are equipped with noise blankers, but such devices are relatively ineffective against power-line noise. Vincent J. Pinto—with an article (p.8) in the June 1983 issue of The Lowdown, and a schematic (p.16) in the July issue—has developed a black box which makes many types of electric noise (e.g. dimmer switch noise) disappear. In fact, he claims very satisfactory results when his "Synchronous Power Line Noise Blanker" is plugged into the blanker board of his Drake R-7 receiver. He points out, however, that his device also will work readily with the blanking circuitry of most present day SW receivers. Many DXers and SWLs who are driven crazy with line noise, and who are also experts with a soldering iron, will want to order the two back issues of The Lowdown. Each issue is 75¢ from: Longwave Club of America, 45 Wildflower Road, Levittown,

PA 19057. Vicent J. Pinto will be glad to answer questions, if one encloses a SASE, and he can even provide a clearer copy of the diagram upon request. His address is: 2 Farview Terrace, Suffern, NY 10901. His phone: 914-357-7266. (Dave Maxfield, MI)

THE CODE BOOK: The publication entitled "The Code Book" by Michael E. Marotta available from Loompanics Unlimited, PO Box 1197, Pt. Townsend, WA 98368 went from one extreme to the other leaving no middle ground for the average layman. The book began by providing instructions on some of the oldest and basic codes which a cub scout mastered years ago. After a brief introduction of the one day pad code the author went directly into computer generated codes requiring computers to be used at both ends which is impractical and goes against the standards of what a code is. The first two standards state that a code should be easy to create and it should be easy to send. Neither is true if both parties need to have a computer with them. Unless one needs a method for sending code by way of a computer to another who also has a computer, this is not the book for you. Besides the juxtaposition method of writing in this publication suggests that it was encoded. It is difficult to follow as it jumps from one subject to another without transitions. Those wishing to purchase this publication will have a better chance ordering it from Loompanics. I attempted to order a copy from an east coast distributor but learned that they had a discriminatory sales policy and they refused to sell the publication sending instead a very nasty note. (John H. Demmitt, PA)

BBS FOR LW LOGGING, ETC.: The Longwave Club of America is small but progressive. One of the editors of its monthly The Lowdown has just set up a 24-hour computer BBS, so that loggings and other hot stuff can be immediately shared, and handily prepared for eventual publication. How soon will SPEEDX editors begin to follow suit? (Dave Maxfield, MI)

75's + by
C. [Signature]
11

HOW TO SELECT A SHORTWAVE RECEIVER

(Editors note: We wish to thank RADIO CANADA INTERNATIONAL for making this information available. This is re-written from a handout they make available to hobbyists.....dj)

Shortwave receivers these days come in great many different shapes and sizes, and price ranges. The main problem for consumers is picking the one which will best suit their requirements at an affordable price. This choice can be made somewhat simpler if a few basic facts about shortwave receivers and shortwave reception are known.

Many of today's receivers which are equipped to receive SW stations, in particular, portable receivers in the medium to high-priced range, are designed to give excellent results using only the telescopic whip antenna that is built into the set. However, in areas where reception conditions are less than ideal, and even poor, it becomes necessary to use an external antenna of one kind or another in order to pick up a usable signal. Therefore, in order to allow as much flexibility as possible, a SW receiver should be equipped with an external antenna terminal or jack.

SENSITIVITY

One of the important measures of a well designed SW receiver is its sensitivity rating, which is its ability to pick up and hold on to weak signals. Good sensitivity is difficult to achieve on a receiver in the low-price range since this requires at least one stage of what is called Radio Frequency Amplification. The stage in effect boosts the level of the signal picked up by the receiver's antenna, before it continues through the various other stages of the receiver.

In the specification sheet that comes with most receivers, this sensitivity rating is expressed in the following way: For a certain level of signal input in microvolts, the ratio of Signal + Noise, divided by Noise, equals a certain value in decibels (dB) for a certain bandwidth in Kilo-hertz (kHz). The Noise in this case is the internal noise generated by the receiver itself. To give some actual figures for comparison purposes for a professional grade of SW receiver costing several thousand dollars, a typical sensitivity rating would be a ratio of greater than 12 dB, obtained at a bandwidth of 1 kHz, with a signal input at the antenna of one microvolt. Compare that figure to the one for a typical SW listener's receiver costing 100 to 200 dollars - where a 2 microvolt signal input might give a ratio of 10 dB at less than 6 kHz bandwidth. This comparison shows that the expensive receiver is approximately twice as sensitive as the cheaper one. It therefore becomes necessary to compare a number of receivers in any given price range in order to see which gives the best sensitivity rating, which for a moderately priced receiver would be somewhere in between the two figures mentioned above.

SELECTIVITY

There is another extremely important factor to be considered when buying a SW receiver. Selectivity is a receiver's ability to select the desired station in any given SW band, and reject the signals on frequencies that are adjacent to the desired station.

These days all of the bands used for international broadcasting are overcrowded. There are simply too many stations wanting to use too few frequencies. Since there are, at any given time of the day, usually several stations using any given frequency, good selectivity is extremely important so that these stations can be separated. The more expensive a receiver is, the more likely it is to be what is called a Double Conversion Receiver. This means that it has two stages of I.F. or, Intermediate Frequency Amplification. This type of receiver will have much better Selectivity than will the more common Single Conversion type in the lower price range.

A receiver with good selectivity is one which attenuates those undesirable signals which are more than about 4.5 kHz away from the wanted signal (the station the receiver is tuned to), so that they will not interfere with this wanted signal. In order to do this the receiver's selectivity bandwidth should be between 4 & 5 kHz, in order to give good audio quality.

HOW TO SELECT A RECEIVER(cont)

If it is less than this, the audio quality will be rather thin, and lacking in bass. A generally accepted figure for the attenuation mentioned earlier is at least 6 dB. Although ideally a receiver's selectivity bandwidth should be 4 to 5 kHz, many receivers' specifications show the selectivity ratings at either 2.5 - 3.0, and/or 5 - 6 kHz, so it becomes necessary to make an approximation of what the rating would be at a bandwidth of 4.5 kHz. Some receivers in the medium to high price ranges have a switchable selectivity feature which gives either narrow (2.5 - 3.0 kHz) bandwidth, or wide (4.5 - 5.0 kHz) bandwidth. Most receiver specification sheets will also give the receiver's selectivity bandwidth at 60 dB of attenuation (this may also be shown as -60 dB).

As a guide to determining whether a given receiver will give good adjacent channel signal rejection, the receiver's selectivity bandwidth at 60 dB of attenuation should not be greater than twice the bandwidth at 6 dB of attenuation (6 dB). For example, if a given receiver's bandwidth at -6 dB is approximately 4.5 kHz, then the bandwidth at -60 dB should not be greater than about 9 or 10 kHz.

Another important factor to be considered when purchasing a SW receiver, and one which exists to a far lesser extent in the higher price range of receivers, is Image Rejection. Images are spurious signals which are generated within a receiver itself, and in turn, cause interference with signals being picked up by the receiver's antenna. The better a receiver's selectivity is, the less likely it is to be troubled with images.

BANDSPREADING

One feature of a SW receiver which makes the action of tuning a great deal easier is a Bandsread dial. On many portable receivers any given SW band will cover only a very small space on the dial - often as little as $\frac{1}{4}$ inch. When one considers the the average number of channels in the 8 international SW broadcasting bands is about 50, then it is easy to imagine that it can be difficult to separate all the stations that are using any given band. A bandsread dial on a receiver is used to spread a given band out over a much larger space on the dial. This means that, physically, there is much more space between channels on the bandsread dial than there is on the main tuning dial.

Some lower priced receivers may be equipped with a fine tuning control, but this is by no means a good substitute for a bandsread dial. Some receivers, such as the South African made Barlow-Wadley XCR-30 portable, are equipped with two dials, one of which is used to tune the MHz, and the other to tune the kHz. i.e. to tune to a frequency of 9,585 kHz or 9.585 MHz, the MHz dial is set at 9, and the kHz dial is set at 585. This type of tuning system precludes the need for a bandsread dial, since it serves the same purpose.

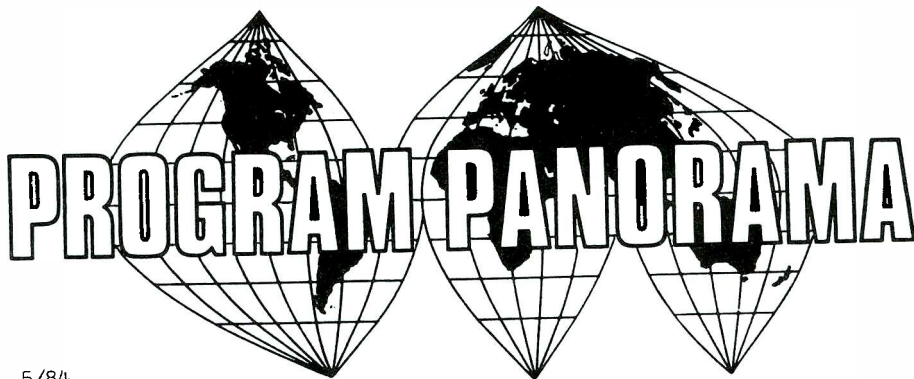
Since about 1977, a number of SW receivers in the moderate price range have come on the market which are equipped with a tuning system which displays the frequency to which the receiver is tuned in lighted numbers. This type of system is known as a digital frequency readout. This type of tuning system also does away with the need for a bandsread dial. This is the best type of tuning system of all, since there can be no doubt about which frequency the receiver is tuned to.

GENERAL CONSIDERATIONS

Most receivers manufactured today are transistorized, as opposed to being of the tube type. Transistors are far superior to tubes in many ways - They need much less electrical power, something which is very important when a portable is operated on batteries. Transistors also, unlike tubes, are rugged and virtually free from hum, and don't produce any noise when subjected to vibration.

For the most flexibility in reception a SW receiver should have continuous coverage of the full SW frequency range from 3 - 30 MHz (3,000 - 30,000 kHz). Due to changing propagation conditions not all of the SW broadcasting bands are suitable for broadcasting at all times of the year, so having a receiver that doesn't cover all the bands might mean that at certain times of the year you may not be able to pick up the station you want to hear. Obtain the best SW receiver you can afford. Look for the above mentioned features.

Shop around, compare. Ask hobbyists who use the set you are interested in. Read reviews in club bulletins. Then, settle back and ENJOY!



PROGRAM PANORAMA

5/84

Woody Seymour, Jr. P.O. Box 848 Sanford, N.C. 27330

CHINA(People's Republic)...Radio Beijing programs for May, courtesy of John McDowell, IL...LISTENERS CALLING can be heard on the 11th and 25th of May.....MUSIC FROM CHINA on the 5th features "Festival Music" and on the 26th, a collection of ancient Chinese melodies will be played.....CHINESE COOKING features stir-fried eggs with tomato on the 14th and chicken and soup in winter melon on the 28th. (Sounds tasty-WS)

CHINA(Republic of)...The Voice of Free China has started a weekly cooking show. FU PEI MEI'S MANDARIN KITCHEN will be broadcast each Sat during the English VOFC transmissions. Each week, this celebrated chef will introduce different cooking procedures and cooking secrets for different Chinese regional specialties such as Cantonese, Hunan, Tze-Chuan, Chekiang and northern dishes. (Thanks to John Demmitt, PA, I'm beginning to work up an appetite. Thanks to John for this info-WS)

GUATEMALA...Union Radio, run by Adventist World Radio, broadcasts on the shortwave frequency of 6090 kHz(mixing nicely with Radio Luxembourg-WS). A Daily program in Spanish and Castellano can be heard from 1100-1300 UTC. Spanish is featured at night from 0000 to 0200 UTC, followed by a two-hour block of English programming. At 0200 UTC VOICE OF THE PROPHECY can be heard each day except Mon UTC, when YOUR STORY HOUR is heard..At 0230 you can hear DX AND SACRED MUSIC, except Sat UTC, when there's no DX...YOUR STORY HOUR follows at 0245 UTC, except Mon UTC, when you can hear THE QUIET HOUR...At 0315, the program from 0230 is repeated...The transmission concludes with THE QUIET HOUR at 0330 except for YOUR STORY HOUR Mon UTC. Sign off is at 0400 UTC. (Thanks to Nolan Stephany, NY and Peter Card, RI)

INDIA...All India Radio broadcasts in a number of languages not heard on many other international broadcasters--Punjabi, Sindhi, Sinhala, Nepali, Tibetan, Kuoyu, Tamil, Baluchi, Dari, Gujarati, Konkani and Pushtu. Of course, you can hear English from the station. Best time in North America(East) is either 1845-2230 UTC on 11620 or 1000-1100 UTC in 16 or 19 meters. (Taken from sked provided by Jimmy Renn, WA)

NETHERLANDS ANTILLES...Trans World Radio, Bonaire broadcasts LUIS PALAU RESPONDS each Mon-Fri morning at 1150-1155 UTC on 11815 kHz. Each program features the response to questions sent in to the evangelist by listeners. (Don McCants, AL).....The popular NITE CALL program of TWR has been having problems lately due to staff shortages. It is hoped that this excellent program will return later this year.

NORWAY...Radio Norway has for many years limited its External Service to Norwegian with the exception of 30 minutes per week in English and a five-minute Spanish newscast every Mon/Tue. The reason, as explained by the station in its program guide, is finances. The service is mainly for Norwegians overseas and on the seas. The station offered little hope for increased programming in English. Guess that we ought to be grateful for what we have. (Thanks to Richard Harrell of IL for sending this information on Radio Norway.)

PHILIPPINES...Radio Veritas Asia broadcasts in English daily 0000-0030 UTC and 1430-1500 UTC. Here is the schedule of programs: 0000-0030 UTC on 15195 and 15280 kHz: Sun ASIAN MEMORANDUM, VOICE OF THE SHEPHERD, NEWS ROUNDUP; Mon OUR DAILY BREAD, YOUR BROTHER--THE FILIPINO, NEWS; Tue HEALTH FACTOR, COLLECTORS ITEM, NEWS; Wed WOMEN OF ASIA, PANORAMA, NEWS; Thu SAINTS FOR OUR TIMES, HEART AND ART OF ASIA, NEWS; Fri METAMORPHOSIS, WONDERFUL WORLD, NEWS; Sat LISTENERS INTERNATIONAL, WHAT'S IN A SONG, NEWS; 1430-1500 UTC on 15215 & 11955 kHz: Sun TEMPLE INVISIBLE, MOVE ON, CHURCH IN THE WORLD; Mon LISTENERS INTERNATIONAL, ASIAN EXPERIENCE, NEWS; Tue TECHNOVATION, YOUR CHOICE OF MUSIC, NEWS; Wed CHILDREN'S FUNTIME, EXPLORE THE PHILIPPINES, NEWS; Thu FRIENDSHIP UNLIMITED, DATELINE ASIA, NEWS; Fri ENCOUNTER, PEACEMAKER, NEWS; Sat LIVING WORD, RV PERSPECTIVES, NEWS. (Richard Speer, CA; John Demmitt, PA)

PUBLICATIONS...A major new program publication has appeared on the scene. PROGRAM GUIDE(The International Shortwave Listener's Program Guide) is published by Miller Publishing, 424 West Jefferson Street, Media, PA 19063. The first issue appeared in April and is 32 pages in length. Two articles on HCB's Clayton Howard appear--one on his upcoming retirement and the other on his 43 years of service in Ecuador. Dr. Richard Wood has an excellent column devoted to his observations on what can be heard of interest on the SW bands. There's also a profile of Vatican Radio, a feature on upcoming BBC World Service highlights, an extensive listing of programs and a listing of English broadcasts to North America. The Guide is published every other month and a subscription is \$19.95 in U.S. funds.

SWEDEN...Beginning Friday, May 11, Radio Sweden International is introducing new programs in English on Fri and Sat. Their new Fri program is called THANK THOR IT'S FRIDAY. This light-hearted program will include popular music and visits with ordinary Swedes to learn more about the way people live and think in Sweden. The retrospective roundup of the Nordic news for the past week moves to Sat. (Sweden Calling DXers #1781; thanks also to Sam Barto, CT and Chris Stark, NB for sending information on Radio Sweden to the column)

UNITED KINGDOM...BBC World Service for May 1984: PHONE-IN: IT'S YOUR WORLD is a new series in which listeners can ask questions of world leaders via telephone. The programs can be heard on Sun at 1110 UTC. Guests in May are: 6th, Caspar Weinberger; 13th King Hussein of Jordan; 20th Garret Fitzgerald, PM of Ireland; 27th, Sonny Ramphal, Commonwealth Secretary-General. To take part, ring in 1½ hours before the transmission--or during it--to London 580 4411. (If you can dial direct, dial your local international code followed by 44 1 580 4411) You may then be rung back to take part in the programme. (London Calling, 5/84)

USA...SPEEDXer Chris Stark of NB, after much effort, has secured a copy of the first issue of the VOA's new program magazine Voice. The VOA refuses to send the magazine to US residents, so our thanks to Chris for his efforts in securing a copy of Issue #1(Jan/Feb 1984). The twenty-page magazine features a cover article on the 1984 US Presidential Election process. A personal message to readers from President Reagan is on page 2. Information on programs is featured under the heading "Notable Listening." A listing of English programs is provided(as is a complete time and frequency listing on the back page). "Dateline VOA" features news briefs concerning VOA. "Behind the Story" features news of arts programs mainly. A page of letters to VOA appears under "Talkback." There is also a request to fill out a questionnaire with the offer of pen and pocket atlas for those who returned it. The magazine was interesting reading, but lacked the polish of the BBC's London Calling. The "Notable Listening" section was thin and featured programs which aired long after the magazine was received. Not a bad first effort for VOA, but it is hoped that Voice will develop into a successful VOA program information source. (WS)

Next month we will update Radio Earth's programming and look at other notable programs. As always, your comments are welcomed. 73, Wendy

GUATEMALA. AWR-Union Radio in Guatemala City sent this undated current schedule.

0000-0200 6090 Spanish
0200-0400 6090 English
1100-1300 8090 Spanish
(N. Stephany) Your editor has noted this station signing on around 1100 with excellent signals.

HUNGARY. Radio Budapest has this schedule dated 4/84.

0100-0130 6025 North America
9520 " "
9585 " "
9835 " "
11910 " "
12000 " "
0200-0230 same as 0100
0300-0315 same as 0100
0930-1000 9835 Asia
11910 " "
15160 " "
15220 " "
17710 " "
21665 " "

1050-1120 6025 Europe
7220 " "
9585 " "
9835 " "
11910 " "
12000 " "

1430-1500 9835 Asia
11910 " "
15160 " "
15220 " "
17710 " "
21665 " "

1600-1630 6025 Europe
9520 " "
9585 " "
9835 " "
11910 " "
12000 " "

2000-2030 same as 1600
¥ = Tuesday thru Saturday
£ = Wed. and Saturday
Ω = Monday thru Friday
§ = Monday thru Saturday
Days are GMT days.
(E. Soomre)

JAPAN. Radio Japan, modified M84 sked valid until May 5th.

0000-0100 15300 ECNA
17825 " "
0145-0245 15195 Americas, Hawaii
17825 " "
21610 " "
21640 " "

Note changes in times too (-crl-)
(M. Manderscheid)

LEBANON. The King Of Hope. This sked was dated 11-15-83.

0300-2100 6215 Monday to Saturday
0300-2130 6215 Sunday
(P. Card)

MONGOLIA. Radio Ulan Bator has this sked which expired April 15th.
1200-1235 7310 Asia, Pacific

MONGOLIA[continued]:

1200-1235 12015 Asia, Pacific
9615 " "
1400-1435 7235 " "
12015 " "
1445-1520 7235 " "
12015 " "
Monday thru Saturday only.
(P. Card)

PAKISTAN. Radio Pakistan shows the following sked as printed in the April edition of Pakistan Calling.

1645-1745 9815 General Overseas S.
11670 " "
0339-0345 15515 English news*
17750 " "

SLOW SPEED NEWS BULLETINS
0230-0245 7315 Southeast Asia
15150 " "

17840 " "
1100-1115 17660 Western Europe
21800 " "
1600-1615 9865 Middle East
11670 " "
15325 " "
17680 East Africa
21510 " "

* = English news is part of the Swahili service.
(E. Soomre)

SPAIN. The Spanish Foreign Radio in Madrid had this M84 schedule.

0000-0200 9630 North America
11880 " "
0500-0600 9630 " "
11880 " "
1930-2030 7450 Europe
9765 " "
11840 " "
11690 Middle East
2030-2130 11880 Africa
(R. Adams)

PHILIPPINES. Radio Veritas in Manila had this sked which was valid until April 5th. Sorry, out of order!

0000-0030 15195 India, SE Asia
15280 " "
1430-1500 11955 India, SE Asia
15240 " "

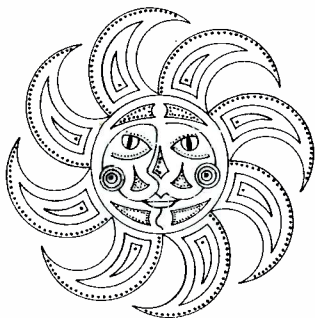
(J. Talbot)

SWEDEN. Radio Sweden, J84 sked for North America.

0230-0300 9695, 11705
1400-1430 15190
2300-2330 11710, 15270
(R. Zilmer, R. Munster)

CONTEST

The contest is still up for grabs. I'm raising the prize to 4 IRCs for the first person to tell me the name of the QSL cards issued by former French colonies in Africa after independence in the 1960s. Hint: they were used by the Central African Republic, Congo-Brazzaville, Gabon, Mali and Upper Volta and were printed in France.
Sorry only 2 pages, back to 3 in June!



SPEEDX

Western Hemisphere

EDITOR: JOHN CEREGHIN WDX3IAO
6812 PICKETT DRIVE
MORNINGSIDE, MARYLAND
20746

Deadline: 12th

All times and dates UTC. All fqys in kHz

MAY 1984

Well, my summer plans have now been finalized. From June through August, I'll be doing the column from P.O. Box 119, Charlestown, MD 21914. Check the masthead for my current address every month for where to send your material, and everything will be hunky-dory.

GREEN WITH ENVY DEPARTMENT, I'm sure all SPEEDXers congratulate our SPEEDX Spotlights editor Dave Sharp for his impossible reception of ZOE Tristian, and his even more fantastic QSL. Hey, Dave, are there any vacant houses down there in Lutz, hi! I'm never going to hear them here in Morningside. Interstate 95 is just a few hundred yards away, and my antenna ain't that good. I guess for now, I'll just have to be happy pulling in Falklands, hi!

We've got some more info concerning that RFI relay in French Guiana. BBGMS reported that comparisons between RFI/France frequencies and RFI/French Guiana frequencies which were operating in parallel showed a split second delay. The official report reads "RFI has recently been observed broadcasting on 15180 which has not been announced, and is to be delayed by a half second compared to the announced channels of 11995, 11965, 11955, 9790, 6140, and 6085. Reception and propagation characteristics of the transmitter on 15180 would tend to indicate that the transmitter is located in the Western Hemisphere."

On World of Radio on 3/25; R. Ulan Bator was heard being relayed over RHC frequencies irregularly. Check 4765 and 11840 and 6115 to see if the mighty RUB is coming through.

Be careful if you're looking for R. Transamazonica, Colombia on 6035, because they're using a new slogan of LV de Guaviare. This isn't a new station, just an old one with a new name. Thanks to Carl Huffaker for that.

Well, I think I'll start now. Remember, for Latin countries, no language will be listed if the station was reported to be in SS (PP for Brazilians).

ARGENTINA

15345 0200 RAE, EE, "Panorama on Culture"(443 3/9 Fraser MA)+3

BOLIVIA

4697t 0130 R. Riberalta, tropical mx, no ID, KOed by UTE (vp 4/1 Parks FL)
4804 0023 R. Em. Santa Ana, ments of Santa Ana and Bolivia in local noticias px. Tstorm QRN (fr/pr 3/13 Parks FL)
4845 0120 R. Fides, high-class classical mx (like on RNC), full AM/SW ID as "R. Fides, transmite desde La Paz..." ment of 4845/6155, TC, bank ad, into mx. QSB/QRN (fr 3/14 Sheedy CA)
4937 0101 R. Norte de Montero, tropical mx, ID "R. Norte de Montero", plus freq, ads (pr/fr 3/30 Parks FL)

BRAZIL

4815 1035 R. Nac. de Tabatinga, Braz mx, hrd all IDs as "R. Nac do Amazonia" (possible net IDs I would think jc)(242 3/20 Miyauchi JP):0140 (fr 3/8 Parks FL)
4845 0154 R. Nac. de Manaus, slo ballads, pop mx (433 4/1 Van Horn TX)
4855 0045 R. Por um Mundo Melhor, Am pops, ads, lots of UTE splatter (fr/pr 3/12 Parks FL) Huffaker MX)
4905 0914 R. Relogio Federal, 3-tick TS every minute thru QRM (222 3/9)
4965t 0000 R. Alvorada, Braz ballads w/tent ID, hvy splatter de Rumbos and weak sig (pr 3/26 Parks FL)

BRAZIL...continued...

4985 0800 R. Brasil Central, CW mx (343 3/2 Huffaker MX)(Van Horn TX)
 5045 0300* R. Cult. do Para, mx, tx, QRN (333 3/16 Schmautz NY)+2
 6035 2325 R. Globo Rio, nat'l educ. px, into nx. Het de unid sta
 (fr 3/29 Parks FL)
 9580 0056 R. Excelsior, listed as 9585, but here tonite, live xcast
 (likey futbol)(232 3/15 Thompson CA) Berri CA)
 9645 0825 R. Bandierantes, tx, ment of Brazil and Sao Pablo (232 3/26
 11780 0813 R. Nac. do Amazonia, ads, ment of R. Nac. and Brazil (454
 3/26 Berri CA)
 11915 1000 R. Gaucha OM bebops over songs ('bebops'? That words' a
 little before my time, hi! jc)ads for food available at
 the local supermercado (323 3/9 Sable NY)
 15290 0157 RBras, EE/SS, SS @0157, EE @0207 w/wx, nx, mx. EE s/off at
 0307 (354 3/15 Unruh HI)(444 3/19 Speer CA)(Weikel MI) /+6
 0210 RBras, EE, mx, nx, Brazilian scenery px (gd 3/29 Harrell IL)
 17815 0045 R. Cultura, old traditional Braz mx, "R. Cultura" ID w/ID
 and callsigns, nx (222 3/13 Palmer WA)

CHILE

15150 0020 R. Nacional, LA mx px (333 3/27 Weikel MI)

COLOMBIA

4755 0227 CARACOL, lite US rock mx (333 3/30 Dillon PA) Parks FL)
 4845 0155 R. Bucaramanga, hyper OM xscaster w/soccer match (gd 3/8
 4865 0300 LV de Cinaruco, LA mx, promos, CARACOL ID, TP, "News At
 Ten" (343 3/21 Schmautz NY)(444 3/31 Dillon PA)
 4875 0639 R. Super, "Esta es R. Super, mucho musica", mx, ads, nx
 briefs (434 3/14 Van Horn TX)(343 3/18 Dillon PA)
 4885 0630 Ondas del Meta, LA pops, ID "Ondas del Meta, musica super!"
 promos, part of R. Super net I think (they are jc) 333 3/17
 Schmautz NY)
 4945 0610 CARACOL Nevya, ID "Esta es CARACOL Nevya HJDH" ad for
 Auiana Airlines, into mx (454 3/10 Schmautz NY)(Dillon PA)
 4975 1113 Ondas del Orteguaza, many ads, mx, ID (444 3/28 Huffaker MX)
 5040 0341 R. Cinco, clear ID thru pre-0400 mess at 0342 (422 3/14
 Huffaker MX)
 5095 0150 R. Sutatenza, international and local mx, CW QRN, gd sig
 ad for Banco de Colombia (4/2 Mendez NJ)(Weikel MI)
 6035 1053 R. Transamazonica, ad for San Jose stores and Banco de
 Bagota and Winston. ID "Esta es LV del Guaviare en San Jose,
 HJWA 1170 kHz, 6035 kHz banda de 49 m...CARACOL"(HJWA is the
 old call, so this is the same station.)(Were there any
 Transam. IDs Carl? Otherwise, if they were IDing as LVdG,
 and not as RT, then we may have to rename them ourself jc)
 (343 3/21 Huffaker MX):*1010, SW s/on apparently joining
 MW already in progress. Ments of San Jose del Guaviare.
 (333 3/22 Cunningham OH) (353 3/14 Jones MS)
 6105 0144 R. Vision, US pops, local ads (433 3/8 Van Horn TX)
 6118 0700 LV del Llano, LA mx, Super R. Net ID. WRTH sez they 0500*
 (433 4/1 Dillon PA)
 6150 0720 LV del Huila, LA mx, ID btwn selections (343 4/1 Dillon PA)
 6170 1115 LV de la Selva, campesino mx, CARACOL promo, some QSB (fr
 4/1 Parks FL)

ECUADOR

3395 0400 R. Zaracay, fast paced LA pops, ads for a banco, chimes
 (353 3/17 D'Angelo PA)(444 3/30 Prath FL)(Schmautz NY)+1
 4656 0320 CRE, ID "Usted esta oyendo la CRE, R.dif del Ecuador",
 "Informador" px, local nx (333 3/16 Mendez NJ)(Weikel MI)
 4680 0250 R. Nac. Espejo, radio drama, ad string (gd 4/1 Parks FL)
 4795 0344 LV de los Caras, LA ballads, pop mx. Very clear sig (343
 3/24 Thunberg PA)
 4820 *0902 R. Paz y Bien, NA, px for the day (343 3/9 Huffaker MX)
 4890 1132 R. Centinela del Sur, relig tx, long disco ad into nx, TC
 btwn items (444 3/28 Huffaker MX)
 4920 0340 R. Quito, shouting ad for Banco popular de Guayaquil, more
 hollering and rolling r's (333 3/10 Schmautz NY)(Mendez NJ)
 4990 0415 R. Bahai, nx, "Noticiero del Ecuador", QRM de Barquisimeto,
 first time hrd. WRTH sez this is on 4996v. Is this possible?
 Condx were exc tonite (As long as this isn't Barquisimeto,
 then sure it's possible jc)(322 3/16 Mendez NJ)

ECUADOR...continued...

- 5015 0300 Escuelas R. Populares, LA folk mx, tel # given, NA, 0302*
Carrier still on at 0315 t/out (444 3/24 Prath FL)
- 5063 0502* R. Progreso, px "Circuito Musical", HC NA (this was as far
as far as I can swing the meter on the international bands)
(555 3/2 Huffaker MX)
- 6050 0245 HCJB, HS, mx til 0300, nx (433 4/1 Dillon PA)
- 6095 0655 HCJB, EE, DXPL, 0700* (444 4/1 Dillon PA)
- 9655 0700 HCJB, EE, "Shalom", "Way to Life" (343 3/19 Shimada JP)
- 9715 1153 HCJB, JJ, relg mx (444 3/30 Dillon PA)
- 9745 0246 HCJB, EE, "Musical Mailbag"(454 3/23 Bingham MA)
- 11740 1300 HCJB, EE, relg px w/Bible readings (353 3/10 Bingham MA)
- 15115 1333 HCJB, EE, "Our Daily Bread" (333 3/13 Bingham MA)
- 15155 0100 HCJB, EE, "Songs of Joy" (454 3/17 Thompson NM) +2
- 0230 HCJB, EE, DXPL, //9745 (555 3/27 Selvey MA)(354 3/18 May OH)
- 15295 2130 HCJB, EE, DXPL (544 3/24 Marcie NJ)(454 3/10 Bingham MA)
- 15390 1327 HCJB, SS, ex 15395, choral mx (454 4/5 Sampson WI)
- 17790 1902 HCJB, EE, "Passport" LA nx (333 3/13 Wimmers VA)(Bingham MA)
- 17890 1316 HCJB, EE, "Children's Bible Hour"(454 3/10 Bingham MA)
- 21480 1430 HCJB, EE, "Through the Bible" (433 3/27 McCants AL)
- 21480 1926 HCJB, EE, "Passport" (454 3/9 Bingham MA)

FRENCH GUIANA

- 15180 2235 RFI Relay, FF, as stated on my first page, there may be a
way to get an ID on this relay. I compared this freq, listed
as from the relay site with a listed France site, such as
11995. Both were coming in with good signals, but 15180
was coming in a split second ahead of 11995. If 15180 was
indeed a relay site, then its sig should arrive before
the 11995 sig since French Guiana is closer to Washington
than France is. Still no site ID, but this is the next
best thing. (fr 3/20 Cereghin MD):0041, RFI ID, QRM de
Beijing (433 3/14 Schulsinger OH)

GALAPAGOS IS.

- 4810 0222* LV de Galapagos, very modern mx, reading from San Francisco
Jesus on peace, NA (evidently bad tape as mod was varied
and intermittent)(444 3/2 Huffaker MX)

GUYANA

- 5950 0951 GBC, EE, Guyana and world sports nx, nx (433 3/24 Muzyka NY) +1

PERU

- 4775 0007 R. Tarma, US rock mx, "R. Tarma" IDs. Hvy UTE QRM at times
(pr/fr 3/12 Parks FL)
- 4885 0427* R. Huancavelica, andean mx, taped full ID, then off after
short mx selection (not NA)(333 3/2 Huffaker MX)
- 4910 0953 R. Universo de Peru? couldn't copy ID for sure, px "Buenas
Dias Peru", andean mx, many ads for campasinos (242 3/30
Huffaker MX)
- 4911re 1053 R. Libertad de Trujillo, px "Musica Peruana", ID "RIIdT, LV
de Pueblo en la libertad?..." Reactivated after 20 years
of absence (gd 4/1 Parks FL)(Could this and Huffakers' 4910
log above be the same station by any chance? jc)(Jones MS)
- 4922 0150 R. Ondas del Titacaca, noticias, IA ballads, Quito absent
this night. First time noted in evening (3/30 fr Parks FL)
- 4935 2340 R. Tropical, local (Tarapoto) nx, banco ads, ment of Radio
Tropical (fr 3/29 Parks FL)
- 4936t 0029 R. Abancay, choral mx, tent ID into noticias. Lots of QRM
and some splatter de Tropical. Reported by J.C. Codina
(pr 3/26 Parks FL)
- 4995 0442 R. Andina, andean mx, TC "en R. Andina..." (343 3/2
Huffaker MX)(fr 3/22 Parks FL) Dillon PA
- 5030 0210 R. Los Andes, LA versions of '50's rock n roll (433 4/1)
- 5360 0020 R. Vision, Andean and romantic mx, UTE open carrier QRM
(pr 4/2 Parks FL)
- 6010 1047 R. America, lively mx (to wake up to) ID "R. America, LV del
nuevo mundo" (443 3/28 Huffaker MX)

UNIDENTIFIED

- 4682 0210 SS, Latin sta w/ballads and no ID, QSBed, don't think this
was R. Nac. Espejo as I hrd them 4/1 at 0250 w/strong sigs
and right on 4680 (pr 3/30 Parks FL)

URUGUAY

11835 2335 R. El Espectador, ballads, many ads, much QRM, but readable w/1.9khz filter kicked in (322 4/2 Thunberg)

VENEZUELA

3225 0110 R. Occidente, tx, ID, nice mx (343 3/23 Leite MA):0359* (353 3/17 D'Angelo PA)(333 3/30 Prath FL)
 3275 0115 R. Mara, LA folk mx, ads (433 3/30 Prath FL)(Dillon PA)+3
 4770 0140 R. Mundial Bolivar, loud, noisy ID (those are the best kind hi! jc)sexy YL anncr, LA ballads (433 3/17 Stone ON)+2
 4840 0140 R. Valera, LA pops (343 3/30 Prath FL)
 4850 0224 R. Capital, lots of lively LA tunes, active anncr w/numerous Venezuela references. Some ads, but mainly good latin tunes. Powerhouse sig, but appears overmodulated at SIO 454. Power boost or reactivated? (Probably both jc)(this one has been putting in great sigs night after night jc)(3/26 D'Angelo PA):0708 (Schulsinger OH):*1005 (Weikel MI)+8
 4970 0135 R. Rumbos, sx cmnty, promos, brassy LA mx (433 3/17 Van Horn TX)(444 3/16 Mendez NJ)(333 3/17 Stone ON)
 4980 0210 Ecos del Tobres, lottery ad, YV mx, exc reception, +35db, local nx, presidential speech (555! 4/2 Mendez NJ)+1
 4990 1044 R. Barquisimeto, modern Latin mx, partial override by WWV (323 3/11 Weikel MI)(433 3/13 Stone ON)(555! 4/2 Mendez NJ)
 5040 0330 R. Maturin, TCs btwn songs, promos "R. Maturin, mucho mas musica". At 0350 "desde Maturin, capital de estado Monagas. Senors y senoras, buenos noches y hasta manana" followed by NA. 0400* (333 3/26 Schmutz NY)
 9660 2230 R. Rumbos, ad for banco in Caracas, cola ad, folk mx (434 3/31 Van Horn TX)

.....NORTH AND CENTRAL AMERICA

ALASKA

9685 0700 KNLS, EE, mx px (343 3/21 Shimada JP)(544 3/18 Miyauchi JP)

ANTIGUA

6040 0100 DW Relay, EE, IS, wld nx, cmnty, waltz mx (544 3/5 Claytor OH)+1
 6175 0300 BBC Relay, EE, Big Ben, wld nx, "News About Britian" //6005 pr, 6120 fr (454 3/31 Dillon PA) Dillon PA)
 9545 0140 DW Relay, EE, NA Service, pop mx, px ended @0150 (444 3/39
 11775 1720 BBCWS Relay, EE, "Reflections" //11805 pr (454 4/1 Dillon PA)

CANADA

5960 0210 RCL, EE, "Reports from Parliament" (444 3/29 Dillon PA)
 0405 RCL, EE, cmnts of Washington diplomatic life (diplomatic life does have its advantages here in Washington. You can speed, or drive on the shoulder when your stuck in a traffic jam, and you can (most of the time) get away with it because the local police won't arrest diplomats. jc) (444 4/1 Stephenson CA)
 6005 1429 CEGX, Montreal, EE, NHL scores, ad for ESPN and Expos baseball (353 3/10 Bingham MA)
 6030 0835 CFVE, Calgary, EE, pop mx, sig improved around 0845 (233 3/25 Davidson TX)
 6065 1331 CBCNQSWS, EE, "Food Show Digest" (454 3/18 Bingham MA)
 6070 2038 CFRX, Toronto, EE, CFRB relay, ad for CFRB Driver's Ed. course (443 3/16 Chickerell WV)(Harrell IL)(May OH)+4
 6120 0300 BBC Relay, EE, "News About Britian" (433 3/28 Dillon PA)
 6130 1225 CHNX, Halifax, EE, phone-in contest, nx headlines, wx, traffic repurts (454 3/9 Bingham MA)
 6160 0857 CKZU, Vancouver, EE, mx, s/off amnts, then mx which I'll swear was "O Canada" (why not? That's Canada's NA jc) 0905* (433 3/25 Davidson TX)(444 3/11 Speer CA)(Mathew MA)
 9515 0230 BBC Relay, EE, pollution control & standards (434 3/8 Gray MI)
 9535 2200 RCL, EE, tx on Canadian economy (444 3/8 Langlois GA)
 9625 1402 CBCNQSWS, EE, wld nx, CBC sx, NHL scores, tx on US presidential race (454 3/18 Bingham MA)
 9755 0034 RCL, EE, tx on Canadian economy (454 3/26 Bingham MA)
 0145 RCL, FF, Canadian problems (444 3/27 Stephenson CA)
 11720 1438 CBCNQSWS, EE, tx on budget (333 4/1 Szabo KS)
 1715 CBCNQSWS, FF, federal politics, ID "Ici la service du Quebec Nordique" (343 4/1 Dillon PA)
 11955 1300 RCL, EE, wld nx, sx, wx, stock rpt (555 4/2 Fleischaker KY)
 15260 1800 RCL, EE, Afro svc (544 3/30 Valentine CA)

CANADA continued....

15325 1644 RCI, EE, freqs, nx (444 4/1 Szabo KS)
 1900 RCI, EE, "Weekend Magazine" (444 3/18 Marcie NJ)+1
 2145 RCI, EE, African Svc, (444 3/12 May OH) FRG)
 2215 RCI, EE, wld nx; super strong sig! (555 3/12 Timofeev
 17820 1645 RCI, EE, wx rpt, to Europe (444 3/30 Valentine CA)
 2029* RCI, EE, tx on smoking in Canada (454 3/20 Bingham MA)
 17845 2015 RCI, EE, cure for smoking (I've seen a few bumper
 stickers around DC about a cure for smoking. It reads
 "Cancer Cures Smoking." jc)(444 3/20 Stephenson CA)
 21695 1700 RCI, RR, nx, editorials (544 3/10 Timofeev FRG)
 1901 RCI, EE, "Sunday Magazine" (444 3/23 English TX)
 2145 RCI, EE, nx and mx (444 3/15 Addison KS)

C L A N D E S T I N E /

5106 0637 LV del CID, SS, ID, then 0647*(433 3/28 Selvey MA)
 5940 0244 R. 15 de Sept. SS, int'l nx, attacks on Nicaraguan gov't,
 ment "portocarrero" which is the name of the last dictators'
 wife I think (pr 3/20 Ulmer LA)
 6205 0455 LV del Sandino SS, march mx, political tx format on CA
 (don't confuse this with R. Sandino on 6200 which is a
 Sandadista-run station from Nicaragua. LVdS is the anti-
 Sandy station, RS is the pro-Sandy station jc)(434 3/19
 Van Horn TX)
 6568 0026 R. Venceremos, SS, tx of "la farsa electoral", hope that
 US moms won't send their kids to CA, "Venceremos" song,
 heroic tx, sked, 0052* (fr/gd 4/6 Ulmer LA)
 6608v 0129 R. Venceremos, SS, mx jammer, ments of D'Aubuisson and
 ARENA, YL amcor, "Hasta la victoria final, revolucion o
 muerte, Venceremos!" 0151* (3/22 Ulmer LA)
 7005 0146 R. Farabundo Marti, SS, tx on events in Honduras, prob
 //7030 (pr/fr 3/29 Ulmer LA)
 7049 0252 R. 15 de Sept., SS, vicious attacks on Nicaraguan gov't,
 praise of PDN, CW QRM (pr 4/6 Ulmer LA)
 7076 0057 R. Mambi, SS, "Yugo o estrella" slogan, gave Caracas QTH,
 sked. Isn't this supposed to be from Florida? (Well, they
 may have an office in Miami, like everyone else does,
 but Venezuela is possible as a site jc)(fr/gd 3/30 Ulmer)
 11101 2308 LV del CID, SS, "especial mx" px, ID "Esta es la Cavina
 Revelle de Cuba en Democratica el CID huber matos" (444 4/2
 Van Horn TX)

C O S T A R I C A /

4825 0225 R. Columbia, LA pops (322 3/26 Speer CA)(Stone ON)
 4832 0837 R. Reloj, TCs, nx, EZL mx, weak pulsar in backround (433
 3/24 Thompson CA)(333 3/20 Davidson TX)(Van Horn TX)
 5055 0345 Faro del Caribe, EE, relig px, NA, s/off amnts, 0400*, bad
 QRM (222 3/11 Schmautz NY)(322 3/30 Dillon PA)
 6006 1015 R. Reloj, LA mx, TCs, CFCX and Reloj took turns crowding
 each other out (312 3/24 Weikel MI)
 6150 1110 R. Impacto, ID, "Capital de la democratica latino america"
 LA mx (444 3/13 Weikel MI)(444 3/8 Van Horn TX)

C U B A /

4765 0040 R. Moscow Relay, RR, classical mx (232 3/29 Dillon PA)
 (don't be suprised if you hear R. Ulan Bator, or another
 Moscow service here; lately, several different stations
 have shown up here jc)
 5025 0055 (from the "You knew it had to happen sooner or later"
 department...jc) RHC, tx, IS, sked, into cmnty. Trying for
 R. Quillabamba and this is the junk I hear instead! Why
 can't they stay on 49 meter or higher? (now what fun would
 that be? hi! jc)(433 4/6 Thunberg PA)
 11760 1515 RHC, Castro speech, ID, nx (444 3/24 Dillon PA)
 11840 1720 R. Moscow Relay, EE, "The Way We See It" (444 3/25 Dillon)+2
 11930 0245 RHC, EE, px on 5th Annv. of Grenada Revolution (gd 3/14
 Ulmer LA)
 0330 RHC, EE, "Today in History" (544 3/27 Dillon PA)
 15175 1910 RHC, FF, telephone interview (433 3/31 Dillon PA)
 2008 RHC, EE, to Europe, nx briefs, "Today in History"(423 3/16
 Chickerell WV)
 15300 0100 RHC, EE, cmnty: "Reagan, the Hollywood Messiah battles the
 Red Monster" (sounds like a great idea for a comic book, hi!
 jc)(454 3/11 Fraser MA)

DOMINICAN REP.

11700 0155 R. Clarin, ID, QTH, freq, then suddenly disappeared, recheck at 0217 still not there (433 3/18 Dillon PA)

GUATEMALA

3325 0220 R. Maya de Barillas, TGBA, Indian dialect, choral mx, vocals, relg tx, RTTY QRM @0250(444 3/18 Thompson NM)
 6090 1130 Union R., TGMUB, EE, hymns, SS ID, into SS hymns (333 4/8 Weikel MI)

HAITI

4930 0127 4VEH, FF, sermon, relg mx, clasdical mx, nx (433 3/30 Dillon PA)(333 3/13 Stone ONT)

HONDURAS

3250 0400* R. Luz y Vida, EE, relg px (232 3/18 D'Angelo PA)+1
 4820 0437 LV Evangelica, tx, "republica Hondurista" hrd, relg mx, moderate RTTY and cochan QRM(333 3/22 Hevern NY)+1
 6075 1224 LV del Junco, ad string, ads for Fresca, Tegiculpa hotel, LA/US pops, wk het de unid (gd 3/22 Parks FL)

MEXICO

6115 2215 R. Univ de Sonora, classical mx, vocals (454 3/17 Thompson NM)
 9555 1930 La Hora Exacta, IS, "esta es La Hora Exacta en Mexico", local nx, local ads, TC every minute, singing jingle (433 4/1 Van Horn TX)

NETHERLAND ANT.

6020 0339 RN Relay, SS, ID, freq, times (444 3/16 Langlois GA)
 9590 0230 RN Relay, EE, s/on, nx headlines, "Newsline"(555 3/28 McDowell IL)(544 3/8 Gray MI)(555 3/9 Claytor OH)
 11815 1200 TWR, EE, "Thur the Bible"(454 3/27 McCants AL)
 1300 TWR, EE, "Children's Bible Hour" (454 3/18 Bingham MA)
 15560 2130 RN Relay, DD, ID, nx (555 3/7 Berri CA)

NICARAGUA

5950 0431 VONicaragua, EE, mx, mailbag px (533 3/20 Brewer AR)+6
 6100 1209 LV de Nicaragua, end of nx, LA pops. NF replaces 5950 (for the AM bcst no doubt, as 5950 is still being hrd in the PM jc). According to SCDX px on 4/3, their sked is 1200-2010 (333 4/4 Thunberg PA)(444 3/30 Huffaker MX) :0400 (333 3/26 Soomre MA)
 6200 0233 R. Sandino, long px of noticias, freq. ments of Managua. At 0234, and 0242, IDs "R. Sandino, la emisora de Vanguardia." Gd lvl w/Tirana missing this night and //750 Sandino MW weaker under WSE Atlanta (well, it's interesting to hear about the MW world once in a while, but let's not make a habit of it in SPEEDX until the BOD sez so, hi! jc)(333 3/21 Cunningham OH)(444 4/1 McKeon IN)(at 1100 443 3/22 Jones MS)(333 4/1 Dillon PA)

PIRATES

6287 0421 KPRC International, EE, tx abt college radio stations, NYC commercial radio: PRC, Box 747, Exeter NH 03833, //1616 (444 3/18 Murphy NJ)
 7415 0222* KQRP, EE, rock mx, freq IDs by DJ "Doctor X", QTH as "from a lonley mountaintop in North America", Battle Creek MI QTH for QSLs. At 0220, closing stuff, ended with old "Mickey Mouse Club" theme song (nice touch, hi!) Exc lvl throughout (343 3/19 Cunningham OH)(343 3/18 D'Angelo PA)
 11850 2027 R. Clandestine, EE, rock mx, ID by RF Burns, skit abt Mr. Wizard and Timmy and making a nuclear reactor (that's a nice weekend project, hi! jc). Gave Battle Creek MI QTH for QSLs. Smothered by BBCWS IS at 2046 (333-311 D'Angelo PA)

UNITED STATES

5985 0215 WQRC via WYFR, EE, "The Tops in Chinese Pops" (433 3/28 Dillon PA)
 6065 0520 WYFR, EE, "Unshackled" (444 3/27 McCants AL)
 6185 0400 R. Earth via WRNO, EE, tx about the tourish ship "Carla Sea" (gd 3/27 Harrell IL)
 7355 0111 WRNO, EE, rock mx, wx, ads (454 3/14 Bingham MA)
 0245 WRNO, EE, rock mx, requests, sig was +40 on my R-1000 and PRG-7 (555 3/14 Wimmers VA)

UNITED STATES continued

9535 2211 WYFR, EE, "Open Forum" (555 3/14 May OH)
 9615 0600 KGFI, SS, nx, mx (353 3/18 Shimada JP)
 9680 2230 WYFR, EE, "As It Is" (444 3/8 Langlois GA)
 9715 1411 WRNO, EE, World of Radio (454 3/11 Bingham MA)
 0120 WYFR, EE, "Open Forum" (444 3/16 Addison KS)
 11830 1745 WYFR, EE, relig tx on Bible translations (555 4/1 Dillon PA)
 1949 WYFR, EE, UPI nx (454 4/3 Bingham MA)
 11965 *1600 WRNO, EE, World of Radio (555 3/24 Bingham MA)
 15145 0035 WINE, EE, IS, ID in EE/SS (111 3/19 Speer CA)
 2330* WINE, EE, tx abt strong drinks (333 3/13 Bingham MA)
 15345 2130 APRTS, EE, ABC World nx (344 3/12 May OH)
 15365 2238 WYFR, EE, "Family Radio Bible Quiz"(444 3/13 Bingham MA)
 15385 1725 APRTS, EE, "World of Sports", ABC nx (555 3/10 Bingham MA)
 15420 2033 WRNO, EE, rock mx, ABC nx (454 3/17 Bingham MA)
 2135 WRNO, EE, rock mx (555 3/15 May OH)
 15440 1330 WYFR, SS, children's story, mx (444 4/1 Dillon PA)
 15445 2236 VOA, EE, African svc, African nx (454 3/18 Bingham MA)
 17775 1823 WRNO, EE, wx, Niel Sedaka mx (454 3/13 Bingham MA)
 17845 1615 WYFR, EE/RR, "Share-a-Thon" telephone call-in, RR ID, then
 back to call-in (544 3/31 Dillon PA)
 21510 1735 WYFR, EE, "Mailbag" (444 3/10 Timofeev FRG)
 26000 2201 VOA, EE, wld nx (454 3/16 May OH)

While I've got some room left, here's a letter from Vincent Hevern NY with some observations on the Nicaraguan controversy:

(1) In regard to R. Sandino 6200, 0429-0523, 4/9, SIO 232 with cochannel het QRM and from 6195 and from 6205 til 0445. The howling was annoying and no amount of my ICOM R70 fiddling ever really got rid of it. Px generally consisted of quite listenable SS/EE mx incl. very catchy EE vocals, e.g. "Everybody Salsa", a 10 minute disco song. An EE ID @0429 "This is R. Sandino". TCs after most songs. The TPs noted in April SPEEDX never seemed to come on the 5-minute mark, eg 0518, 0522. Px ID at 0500 "R. Sandino en la media noche". Slogans included "RS, La Emisora de los artistas nacionales" and "RS, La diferencia en la musica." They seem to be on fulltime now w/"Viente-quarto horas continuas" at 0520. One interesting SS vocal song had a background of USCG (not US Coast Guard?! jc)tact bc segements as overlay, perhaps as indications of sense of being surrounded by sea forces (mining of costal ports was in this weekends' nx). At 0523 t/out they were still coming in strong. I'm going to try to QSL them via LVN, or the Interior Ministry.

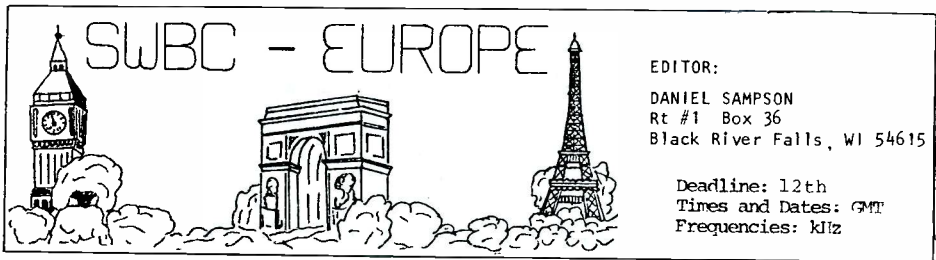
(2) R. 15 de Septiembre, 6216, 0530-0556, 4/9 SIO 222. Many mentions of Nicaragua. Outdoors speaker (speech? jc) denouncing the "socialistas criminales" and "comunistas" Possible jamming began at 0540. ID as RQdS. Tonight's geomagnetic storm may be the cause of severn QRN. 0556*

These are some pretty good observations, Vince. The Nicaraguan govt is now resorting to a softer sell of their programming, hoping to pry listeners away from the anti-government stations. They know they can't force people to listen to what the government wants them to. So now, the government station, R. Sandino, is sounding like your local FM rocker station (if you listen to those kind of stations, you know what I mean.) It just goes to show that you need good programming to attract listeners. Sheer frequency volume and power won't win you listeners. Maybe someone should tell R. Moscow.

Well, these certainly are turbulent times in the SPEEDX front office. Our President and publisher, John Trautschold is moving to Chicago, and the publishing chores, as well as HQ may be moving out west to Tucson if everything holds up. This month, I was working under a shorter deadline (as were all the editors), so I really had to get this column done in a hurry. Maybe in a month or two we'll get everything smoothed out, and we'll get back to normal.

When you read this, I'll be gearing up for my final exams, and be getting ready to move back up to Charlestown MD for the summer. The next three or four columns will be done in Charlestown, so until further notice (when I give the word) all WH material goes to Charlestown until school cranks up again in late August. That's all for this month, see you in 30!

John Trautschold
 E. 10/11/78



EDITOR:

DANIEL SAMPSON
Rt #1 Box 36
Black River Falls, WI 54615

Deadline: 12th
Times and Dates: GMT
Frequencies: kHz

Randall Jackson-OR sends some more information in regards to possible Radio Rainbows. There is a normally weak FM station in 104 MHz in Dublin, Ireland. This has been relayed in the past on 6294 kHz around 1000 GMT by Radio Ireland, and may also be relayed by other European pirates at times.

Ralf Munster-GA has some information as to the unidentified station reported last month on 29790 kHz. The highest freq of any feeders known to Robert Lewallyn is 26680 for RFE. The station reported is probably a harmonic but offhand nothing fits. We can't rule out images completely either. If there is a recurrence, try // freqs of R. Mac. CLM (15332.5) since they are given to playing long classical selections without IDs, Mayak is another possibility.

ALBANIA

- 5020 *0400 R. Gjirokaster; Albanian home svce, IS, NA, ID Albanian mx straight through-no tlk for first half hr, //5057 hrd-fr (333 3/25 Dillon-PA)
- 5057 0630 R. Gjirokaster; Albanian morning exercise mx, folk mx, hrd for several days until A-index got too high, (343 3/5 Jackson-OR)(McKeon-IN)
- 6200 0334 R. Tirana; EE YL w/"This is RT, you have just hrd the nx," Albania meets all its demand for food itself, pgm on science, march mx, 0358* (343 3/26 Bingham-MA)(Dillon-PA)
- 7065 0000 RT; EE nx, topic on sugar, folk mx (444 4/9 McKinney-PA)(Bingham-MA)
- 7080 *0630 RT; EE discussion of Albanian museums, wld nx, very gd signal nightly, // 9500 (444 3/14 McKeon-IN)
- 7120 0230 RT; EE Albanian & wld nx, comtry, Music Page, NA (555 3/18 Murphy-NJ)
- 7300 0335 RT; EE nx by OM, tlk about the great Communist parties of W. Germany, Brazil & Denmark (433 3/12 Renn-WA)(Leonard-PA)(Palmer-WA)(Lord-CA)
- 9375 0458 RT; GG IS to 0500, plays the 'Internationale' & went to nx @ 0501, freq not listed in WRTH for GG @ 0500 (222 3/22 Palmer-WA)
- 9500 0650 RT; EE article by Indian marxist-Leninist Party, list of times of b/c, // 7080 (444 3/13 McKeon-IN)
- 9750 0236 RT; EE children die everyday from hunger in Africa, Nx About Albania, Science in Albania, inst mx (343 3/14 Bingham-MA)
- 9835 *0329 RT; EE march mx, nx, YL answers letters including one about Albanian mines tlk about tourism, 0357* (454 3/24 Bingham-MA)
- 11985 1100 RT; EE YL w/pleasant voice reads nx & comtry (323 3/24 Sable-NY)(McKeon-IN)

AUSTRIA

- 5945 *0130 ORF; EE s/on & ID 0130, Austrian & wld nx, comtry, mx, // 9770 had increasing QRM via Moscow (343 3/16 Hevern-NY)(Coleman-MA)(Robinson-TN)
- 9770 0330 ORF; EE nx, ID, Austria & the UN, Austrian economic competitiveness, Chinese massage in Austria, IS (423 3/1 Dillon-PA)
- 11660 1831 ORF; EE Daily Report from Austria, nx, tlk about shorter work wk, comtry, tlk about college orchestra from USA visiting Austria (333 3/17 Bingham)
- 17770 1230 ORF; EE Austria Calling, nx, wx (fr 3/27 Harrell-IL)

BELGIUM

- 5910 0100 BRT; EE art exhibitions, ID & sked @ 0050, pop mx (544 3/18 Gray-MI)(Hesch-NY)(Blanchette-FL)(Johnson-IL)(Stone-Ontario)(Brewer-AR)
- 9925 0030 BRT; EE nx, sports report (444 4/9 McKinney-PA)(Zilmer-NM)
- 9930 0033 BRT; EE comical song about 1st day of Spring, Focus pgm, Brussels Calling, questions & answers, tlk about higher education (353 3/21 Bingham-MA)
- 11620 0045 BRT; EE Nx about activities in Brussels, // 9925 (444 3/29 Berri-CA)
- 17610 1425 BRT; EE mx, Parliamentary Chronicle (Monday's pgm repeated instead of Tuesday's pgm) (544 4/4 Klosowski-FL)(Dillon-PA)(Bingham-MA)
- 21815 1402 BRT; EE new shopping center opened in Brussels, tlk about car prices in Europe, Focus, OM singing (252 3/9 Bingham-MA)

BULGARIA

- 9700 2240 R. Sofia; EE comtry on science & economy, sports (433 3/19 Seitner-VA)

BULGARIA continued

- 11720 0425 R. Sofia; EE tlk on George Orwell's 1984, Saturday Special pgm (444 3/17 Renn-WA)(2230 444 3/17 Bingham-MA)
 11750 0403 RS; EE nx, Viewpoint Studio, tlk about weapons in space, tlk about drug addicts in Europe & USA, answering letters (454 3/26 Bingham-MA)
 12040 2134 RS; EE nx, tlk about missiles in Europe, Sunday Special, interview of Bulgarian actor (454 3/25 Bingham-MA)
 15135 1400 RM relay; EE nx, political tlk, // 15150 15185 15435 (333 3/31 Prath-FL)

CZECHOSLOVAKIA

- 5930 0145 R. Prague; EE ID, folk mx selections (544 3/21 Coleman-MA)(Gray-MI)
 7345 0300 RP; EE nx, ways of averting war discussed, MOR mx (454 3/20 Bowden-CA)
 11990 *0200 RP; SS five pips, OM w/ID, YL/OM w/freqs, nx (343 3/20 Thompson-CA)
 15110 1615 RP; EE comtry on the Iran-Iraq war (232 3/25 Prath-FL)(Thunberg-PA)

DENMARK

- 15165 1348 R. Denmark; Danish ID in EE (444 3/27 Selvey-MA)

FINLAND

- 15400 1300 R. Finland; EE acid rain in Nordic Countries, Finland-Norway trade (fr 3/28 Harrell-IL)(Selvey-MA)(Coleman-MA)(Bingham-MA)
 17800 1200 RF; EE Northern Report, Perspectives, Baltic Sea's importance to mankind (333 3/15 Blanchette-FL)(Robinson-TN)(Bingham-MA)
 21465 0715 RF; EE tlking pgm interviewing an Indian Engineer who is living in Finland, 0725* (353 2/17 Draye-Saudi Arabia)

FRANCE

- 7125 0414 RFI; EE ID @ 0414, nx @ 0415, arrests in Liberia (433 3/8 Gray-MI)
 9545 0415 RFI; EE nx (444 3/17 Stephenson-CA)
 9790 0418 RFI; EE details of Pres. Mitterand's visit to Washington, ID @ 0421 (333 3/23 Berri-CA)(Seitner-VA)(Stiner-NY)(Stephenson-CA)
 11955 2215 RFI; PP/FF PP until 2230, into FF, ID, African & Cent. Am. nx (444 3/31 Dillon-PA)
 11965 1800 RFI; FF rock & blues mx, ID @ 1830, tlk by 2 OM (333 4/1 Dillon-PA)
 11995 2238 RFI; FF nx, discussion & possibilities in the Common Market (333 3/18 Stiner-NY)(2230 444 3/31 Dillon-PA)
 15300 1633 RFI; EE tlk about US planes & Egypt, Spotlight on Africa on Paris Calling Africa, African mx, Womans Magazine pgm, tlk about refugee women (454 3/24 Bingham-MA)(Dillon-PA)
 17620 1605 RFI; EE nx, Nat'l Theater Day, chemical arms discussions, agricultural problems, theater going in France (444 3/27 English-TX)(McDowell-IL)
 17720 1617 RFI; EE African nx, Special sports report, French nx, French film awards were last wk, 1657* (454 3/9 Bingham-MA)
 17775 1350 RFI; FF Pres. Mitterand's Press Conference (live!), unemployment, strikes, Britain's EEC contributions (544 4/4 Klosowski-FL)(Dillon-PA)
 17795 1636 RFI; EE Paris Calling Africa (333 3/16 May-OH)(Bingham-MA)
 21620 1603 RFI; EE PCA, freqs & target areas given, a look at the days nypapers (454 3/13 Bingham-MA)
 21685 1630 RFI; EE PCA, mx, listeners letters, better signal on // 17620 (433 3/18 Prath-FL)(1606 343 3/4 Timofeev-FRG)
 21705 1345 RFI; FF tlk by OM/YL, // 21620 (444 3/17 Prath-FL)

FEDERAL REPUBLIC OF GERMANY

- 6085 0100 DW; EE Germany Today, disappearing ink con artist in Munich (involving writing checks to him with his pen with the special ink-later he traced signature & changed amount) (gd 3/27 Harrell-IL)(Coleman-MA)
 6145 0105 DW; EE wld nx, Weekend pgm, tlk about Jews in Germany & Carnival period (433 3/11 Johnson-IL)(Dillon-PA)
 11765 0609 DW; EE Reports on soccer in Ivory Coast & W. Sahara and Polissario Front (322 3/19 Hodgson-South Africa)
 15150 1940 DW; EE ID @ 1942, nx by OM & YL, starving people in Mozambique (322 3/17 Gray-MI)
 15210 1800 DW; GG nx, comtry, Funkjournal, plenty IS, IDs (443 4/21 Munster-CA)
 15275 0605 DW; EE nx about Africa (233 3/21 McKeon-IN)(Dillon-PA)
 17765 1230 DW; EE Nx about Namibia & South Africa (444 3/3 Blanchette-FL)
 21600 1525 DW; EE story about a Travesty Show: where men play female characters on the stage (322 3/25 Thim-CT)(Bingham-MA)
 25665 1506 R. Free Europe; Polish tlks w/mentions of Solidarnosc, periodic QSB (gd 3/9 Famularo-NJ)

GERMAN DEMOCRATIC REPUBLIC

- 6040 2315 RBI; PP ID, nx, mx, "Republica Democratica Aleman" (545 3/6 Robinson-TN)(Dillon-PA)

GERMAN DEMOCRATIC REPUBLIC continued

- 9560 0300 RBI; EE palaces and what they are being used for today (444 4/2 Gray-MI)
(Renn-WA)(Lord-CA)(Dillon-PA)Seitner-VA)(Stiner-NY)(Harrell/Johnson-IL)
- 9580 0336 RBI; GG ID, YL w/political tlk (443 3/27 Speer-CA)
- 9620 0330 RBI; EE usual political comtry w/letters from listeners, DX Club mail,
mult. IDs, into SS @ 0344, mod QRM de 9625 (333 3/22 Hevern-NY)(Berri-CA)
- 11960 0510 RBI; EE Roundabout GDR w/tlk on Childrens Theatre in Berlin (444 3/19
Hodgson-South Africa)
- 11975 0015 RBI; EE classical flute mx, tlk about Peace Rally in E. Germany, tlk of
disarmament, letters answered (343 3/25 Bingham-MA)
- 15240 1430 RBI; GG ID slight QRM & QSB (343 3/23 Bowden-CA)
- 15450 1518 RBI; EE nx, Soviets warning USA about missiles, chemical weapons in Europe
South African struggles of people (343 3/23 English-TX)(Selvey-MA)
- 17880 1326 RBI; EE from 1326-1329 pgm was in Hindi, hvy interference from Moscow?
(322 3/24 Mathew-MA)
- 21465 0929 RBI; lang ID as "Yeh RBI Heh," DX pgm? as YL tlk about EDXC Conference
in Sweden (353 2/17 Draye-Saudi Arabia)

GREECE

- 7315 0131 VOG; EE men singing, nx by OM, tlk about-Gulf War, tlk of Greece & Israel
(453 3/14 Bingham-MA)
- 9865 0340 VOG; EE Aegeon Islands dispute w/Turkey (gd 3/21 Harrell-IL)(Card-RI)
- 11645 1211 VOG; EE nx pgm (343 4/4 Szabo-KS)(Addison-KS)(Dillon-PA)(Coleman-MA)
- 15195 *1500 VOA relay; Armenian nx, some American pop mx, EE IDs & IS @1500, 1530 &
1600 (333 3/25 Card-RI)
- 15365 1530 VOG; EE OM singing, nx, tlk about University students & economic &
medical aid, 1552* (353 3/21 Bingham-MA)

HUNGARY

- 9520 0200 R. Budapest; EE Jumlat & Berri make new election proposals (444 3/15
Stiner-NY)
- 9835 *0200 RB; EE ID, wld nx & political/economy, very high QRN (242 3/16 Hevern-NY)
- 11910 1701 RB; EE nx, tlk about GDR tlks w/Budapest, mx jingles between stories, tlk
of tourism in Hungary, Todays Press pgm (353 3/21 Bingham-MA)

IRELAND

- 6910 0128 RDI; EE ID @ 0138, pop/rock mx, call w/listener, station phone # 75-86-84
ID @ 0228, ute QRM 0145-0205 & mod QRN (322 3/27 Hevern-NY)(Card-RI)
(Jackson-OR)

ITALY

- 9575 0100 RAI; EE mainly nx & some mx (444 3/16 Gammie-MI)(Hevern-NY)(Gray-MI)
- 11800 *1933 RAI; EE IS, bells, ID by YL, wld nx followed by feature pgm of opera @
1945, pgm for Europe (232 3/17 D'Angelo-PA)
- 15385 1830 RAI; II piano mx straight through til 1905 then ID by OM, bird IS, 1907*
(444 3/31 Dillon-PA)
- 17780 1830 RAI; II ID (322 3/30 Stephenson-CA)

LUXEMBOURG

- 6090 0000 R. Luxembourg; EE s/on w/nx into disco mx @ 0020 fadeout (212 3/4 Gurley-
TX)(Dillon-PA)(Bingham-MA)
- 15350 1520 RL; FF played Heat of the Moment, Asia & poison arrow ABC during pgm
called "Les Grossestetes (??? ?/?? Stiner-NY)

MALTA

- 6025 0445 DW; AA tlk about Marlena Dietrich's movies, ID @ 0505, wld nx (434 3/31
Dillon-PA)
- 6110 2252 R. Mediterranean; EE wx report, song, nx (2/9 242 Draye-Saudi Arabia)
- 9565 0100 DW; EE OM, nx, comtry on Green Party, Science Magazine, gd quality b/c,
// 11785 (322) (444 3/20 Hevern-NY)(544 4/1 Klosowski-FL)

NETHERLANDS

- 9895 0230 R. Nederland; EE Happy Station (direct bia Lopik) test transmission (333
3/19 Soomre-MA)(Ohlinger-CA)(Hevern-NY)
- 11730 2048 RN; EE // 9715, SW pgm, phonecalls (taped) to various people planning US
SW stations (lots!), nx of Chad on 4904 w/2100* (332 3/22 Chickereil-WV)
- 15560 1535 RN; AA wld nx, ID "Min Hilversum, Holanda," reports on Lebanon &
Mitterand's visit to US, 1620* (444 3/29 Dillon-PA)
- 17605 1430 RN; EE Happy Station to Asia (443 3/18 Prath-FL)(Bingham-MA)(Dillon-PA)

NORWAY

- 9525 *0200 RNI; Norwegian nx obviously but can't pick many words out (333 3/10
Weikel-MI)

NORWAY continued

15175 1900 RNI; EE IS & EE ID, Norway Today, mx interlude, SAS Kennedy Airport accident, gas exports, Balkan airlines, whaling, nxpaper circulation & marketing Norway (443 3/4 Claytor-OH)
 15225 1315 RNI; EE tlk on water projects in Tanzania (222 3/11 Stiner-NY)
 17840 1400 RNI; EE Old Norse princess honored by Spain, aid to Tanzania (444 3/11 Fraser-MA)
 25615 1015 RNI; EE tlk about some singers (with songs), // 17830 & 21730 (252 2/12 Draye-Saudi Arabia)

POLAND

6095M 0200 R. Polonia; EE nx of Poland, MX & relations w/Soviet bloc (444 3/11 Card-RI)
 7125M 2230 RP; EE Polish international relations & affairs, labor nx regarding unions, some mx involving quartets (454 3/7 Card-RI)
 7285 1525 RP; EE questions from listeners, song, ID (534 3/10 Timofeev-FRG)

PORTUGAL

6060 0312 R. Portugal; EE Portugal nx, nx about various countries w/respect to Portugal followed by freq listing then mx (443 3/28 Leonard-PA)
 6075 0534 RP; EE nx, Prime Minister visit to US, meeting between Portugal & Brazil, mx (454 3/14 Bingham-MA)
 9670 0700 AWR; EE ID, tlk, choral mx, EE ID @ 0730 into GG rel. pgm (333 4/1 Soomre-MA)
 11775 1815 RP; PP guitar mx, OM DJ, Port. style mx, tlk after 1830 (444 3/29 Dillon-PA)
 11925 *0300 RP; EE ID, Port. nx, mx, rev. times & freqs, Summary of Week's Events in Port., including segments on Italy, soc. dems., revolution, mx, NA (453 3/11 Claytor-OH)(Johnson-IL)(Dillon-PA)(Bingham-MA)
 12120H 0104 RP; PP ID & 'Diario Informo' & mx, harmonic of 6060 x 2 & just as loud as 11925-unusual!, still there during EE b/c @ 0300 (444 3/7 Berri-CA)
 15285 1505 RP; PP futbol (i.e. soccer) match-amazing star wars-like sound effects whenever a goal was scored, full ID @ 1600 (444 3/25 Dillon-PA)
 17880 1803 RP; EE ID, nx, pgm about tourism, Art & Culture, tlk about PP orchestra, inst mx (454 3/7 Bingham-MA)

ROMANIA

9550 0420 R. Bucharest; EE mx, comtry about Ceaucescu attending food & agricultural organization meeting in Romania, // 9570 not as good, 0429* (434 4/4 Sable-NY)(Weikel-MI)(Coleman-MA)(Harrell-IL)(Robinson-TN)(Thunberg-PA)
 15250 1313 RE; EE comtry about Romanian foreign trade, tlk about weapons in outer space, 1329* (353 3/13 Bingham-MA)
 17790 0530 RE; EE IS, African Svce, nx & comtry (444 3/19 Hodgson-South Africa)

SPAIN

9570 2020 REE; SS tlk, ID, cultural pgm: Spanish opera (232 4/1 Dillon-PA)
 9630 0525 REE; EE answer to letter query on draft in Spain, military mx (433 4/2 Speer-CA)(Fraser-MA)(Gray-MI)(Soomre-MA)(Coleman-MA)(Johnson-IL)
 9675 2115 REE; AA interview, mx, ID "Huna Madrid..." @ 2130, pgm on Spanish/Arabic literature in the middle ages (333 4/1 Dillon-PA)
 11690 1933 REE; EE mx interval, Press Review, wx around Spain, pgm about world, tlk about Spanish history, inst mx (353 3/8 Bingham-MA)(Dillon-PA)
 11840 0010 REE; EE ID, time in Mediterrean Universal Time coordinated, press review, wx around Spain, music 'Loco, Loco, Loco,' economy comments (??? 3/12 Weikel-MI)(*1929 353 3/10 Bingham-MA)
 11850 2100 REE; SS ID, nx by OM, Reports on Cent. Am. (333 3/31 Dillon-PA)
 11880 *0000 REE; EE Panorama, Spanish Minister of Defense visits USA, Press Review, wx, OM singing, Spanish Science Review (454 3/14 Bingham-MA)
 15125 2200 REE; SS nx, drama @ 2230 (444 3/25 Dillon-PA)
 15535 2230 REE; SS Hoy en España (Spanish monarchs in Canada) (554 3/12 Timofeev-FRG)
 17650 1445 REE; SS tlk by OM, ID, cultural report, // 17660 (444 3/29 Dillon-PA)
 17720 1635 REE; SS soccer results of Sunday's games given-Real Madrid won by 1 to 0 & Racing beat Valencia by 1 to 0 (333 3/18 Grosvenor-CA)(Prath-FL)

SWEDEN

9695 0230 RSI; EE Swedens Mailbag Show answering questions about acid rain & tennis, 0251 played record requests (444 3/26 MacGibbon-OR)(Gray-MI)
 11705 *0230 RSI; EE ID, Saturday from Stockholm, mx, SAS portraits, Shove Tuesday buns, visually handicapped youths, Lap book clubs (453 3/11 Claytor-OH)
 17710 1700 RSI; Swedish ID (353 3/22 Bowden-CA)
 17860 *1358 RSI; EE mailbag pgm, answering question about King & Queen of Sweden, mx (423 4/1 Seitner-VA)(1402 444 3/18 Bingham-MA)
 21700 1400 RSI; EE nx, Weekday Tuesday, Sweden Calling DXers, // 17860 (232 3/27 Zilmer-NM)

SWITZERLAND

- 6135 0400 SRI; II drama pgm replete w/violin at the sad parts, ID 0415* (333 4/1 Dillon-PA)
- 9535 2205 SRI; EE tlk about Swiss Boat Show in Zurich, Dateline, OM yodeling, times & freqs given of EE b/c (454 3/2 Bingham-MA)(Dillon-PA)
- 9725 0155 SRI; EE This Week in Switzerland, Swiss SW Merry-Go-Round (433 3/25 KLosowski-FL)(Bingham-MA)
- 11715 *0145 SRI; EE tlk about Swiss skiers, mx, 0215* (gd 3/27 Harrell-IL)(Bingham-MA)
- 11910 2157 SRI; EE Swiss barrel organs, ex-world leaders' club, ID, mx into GG @ 2215 (333 3/31 Dillon-PA)
- 15430 *1530 SRI; EE wld nx, listeners' letters, comtry, interview, European Space Agency proposed exploration for comet in 1986, mx interlude (333 3/3 Cox-CA)(1549 333 3/31 Ohlinger-CA)
- 15570 2150 SRI; EE Exposé on the recording studio in Montreux (444 3/18 Stiner-NY)
- 17785 1333 SRI; EE tlking about the Winter Olympics in Yugoslavia (343 2/10 Draye-Saudi Arabia)
- 17830 *1528 SRI; EE IS, nx, In Person pgm, change to FF @ 1600 (423 4/1 Seitner-VA)
- 17850 *1815 SRI; EE Dateline, Swiss mx (333 3/13 Wimmers-VA)(Renn-WA)(Bingham-MA)
- 21570 1300 SRI; EE nx, Louis Chevrolet migrated to US from Switzerland (I think he dabbled in cars) (555 3/20 Robinson-TN)

UNION OF SOVIET SOCIALIST REPUBLICS (European section)

Estonian SSR

- 5925 2200 R. Tallinn (Tallinn); Estonian tlk by OM & YL, NA @ 2204* (333 3/17 Soomre-MA)

Lithuanian SSR

- 6100 2230 R. Vilnius (Kaunas); EE tlk of Communism & VOA b/c, mailbag pgm, Lithuanian mx pgm (211 3/18 Soomre-MA)

Russian SFSR (European section)

- 9765 2345 R. Moscow (Krasnodar); EE end of Soviet Life, discussion of freshwater in Soviet Union & how they have the best plumbing in the world, // 9530 9610 9640 9685 9710 & 9755 (444 4/7 Thim-CT)(McKinney-PA)

Ukrainian SSR

- 4940 0010 R. Kiev (Kiev); Ukrainian brief tlk by OM in Ukrainian, then pgm of classical mx (pr 4/2 Parks-FL)
- 7150 0120 R. Moscow (Simferopol); EE letter pgm Moscow Mailbag, comments on Soviet Nationalities, mx, Ukrainian chorus (via Lvov as per QSL received) (444 4/1 Dillon-PA)
- 7165 2315 RM (Lvov); EE OM w/comtry on Equality (444 3/11 Langlois-GA)
- 9490 0030 RM (Nikolayev); SS ID, tlk, mx into Radio Station Peace & Progress @ 0100 (343 4/2 Dillon-PA)
- 11705 1749 RM (Simferopol); EE tourists views of the USSR, ID & address, mx (323 3/29 Dillon-PA)
- 11860 1835 RM (Lvov); EE traditional instruments of the Soviet Republics, ID, nx @ 1900 (444 3/29 Dillon-PA)
- 15410 1550 RM (Kiev); RR songs, mx, chimes, time tone & ID @ 1600, nx of workers' feats (544 3/11 Timofeev-FRG)

Unknown sites

- 4860 0000 RM; EE nx about upcoming olympics (knocking US per usual) (fr 4/2 Parks-unid; RR rock mx, OM & YL giving intros to songs (333 3/22 Nowicki-CA/FL)
- 5015 0855 R. Rodina; RR tlk by YL/OM, EZL mx, tones on the hr, ID by OM & YL "Govorit Radiostantsiya Rodina" (343 3/29 Dillon-PA)
- 5920 0156 RSP&P; SS IS, ID, nx, comtry on Central Am., Argentina & El Salvador (333 4/2 Dillon-PA)
- 9470 *0000 Mayak; RR end of nx, political tlk, // 4765 Havana (444 3/25 Prath-FL)
- 9490 2210 RSP&P; EE to Asia, 1700 followed immediately by R. Moscow African Svce (333 3/11 Unruh-HA)
- 9650 1630 R. Vilnius; EE wld nx, pgm on Youth Organization, sports, times & freqs given, 2328* (444 3/24 Bingham-MA)(Dillon-PA)
- 9685 2300 R. Kiev; EE IS, ID, nx, The Young Generation-Rock Mx in the Ukraine (323 3/30 Dillon-PA)
- 9710 *0229 unid; RR? OM & folk type mx, mostly YL vocalists, R. Moscow next door @ 9795 in EE, 0730* (453 3/23 Nowicki-CA)
- 9810 0720 R. Moscow; EE comtry indicating USA is preparing for nuclear war (252 3/23 Bowden-CA?)
- 11705 1400 RM; FF ID, mx, IS, bells on the hr, list of freqs & targets (Europe & Africa), ID "Ici R. Moscow International" (323 3/29 Dillon-PA)
- 11745 1758 RM; EE Soviet Agriculture, Soviet pop tunes, @ 2100 they switched over to Moscow Summertime (454 3/31 Dillon-PA)
- 11810 2040 RM; EE wld svce pgm w/political tlk, Russian mx, to Europe (242 3/25 Prath-FL)
- 11900 1545 RM; FF mx pgm, ID @ 1845, to Africa, IS (343 4/1 Dillon-PA)
- 11980 1840



SHORTWAVE

AFRICA



MARK KOUKOL, 109 Pennsylvania #8, Loves Park, IL 61111

This month's highlight has to be the re-appearance of Chad from Ndjamena on 4905v, being received with generally good signals at *0500. Moundou continues to be heard, but whether they will be shutting down now is an open question. Well let's get right into the loggings, with a reminder to please keep them current--some logs from February were received. I only use ones dated no earlier than the month preceding that in which the deadline date falls, i.e. March & April for this column. Thanks!

ALGERIA

- 964² 2000 R. Algiers; EE, ID by OM & into usual nx, then YL ID & into pop/disco mx, really suffering from 31m slop, //s 15160 & 17745 no better, 322(4/1 Sharp-FL) Up from 9640?-MK
- 17745 2009 R. Algiers; EE w/wrld nx, "The Week in Algerian Art" @2014, ID 2019 as "Internat. Svc of R. Algiers", TC 2020 & into Elvis mx, s/off & into PF @2030, //15215(221) & 9640(141), 2+42+(3/24 D'Angelo-PA) 433(3/23 VanHorn-TX)(3/25 Harrell)

ANGOLA

- 9535 1558 R. Nacional; PP, flute & drum mx, YL ID @1600, tx by 2 OMs, 333(3/12 Thunberg-PA)
- 11955 0537 R. Nacional; PP, Afro mx, YL tx, xylophone mx, full ID at 0600, ancmts, Afro mx, 434(4/1 Van Horn-TX)

ASCENSION IS.

- 7105 0502 BBC Relay; EE wrld nx, ID, nx of Africa, 444(4/1 Dillon-PA)
- 11860 0808 BBC Relay; EE WS to Southern Afr., nx, ID, relig. story, 344(3/26 Berri-CA) @0648, 333(3/16 Lord-CA)
- 15400 1745 BBC Relay; EE, sports nx, ID 1800 followed by Newsdesk, 222(3/14 Femyer-AZ)
- 21490 1315 VOA Relay; SS w/sports nx, 444(3/8 Wood-Saudi Arabia)

BENIN

- 4870 2220 ORTB; FF, interview w/university prof., @2230 brief tribal mx, more tx, 444(3/26 Schmutz-NY) @0514 ID as "LV Rev. Beninoise", mx & tx in FF/vern., 0558 ID "ORTB" & 0603 as "R. Cotonou", soft voice OM, 343(3/22 Hevern-NY)

BOTSWANA

- 3356 0347 R. Botswana; cowbell IS hrd for 3 min. until covered by slop, //4848 in at better lvl, 333-311(4/1 Sharp-FL)
- 7295 0351 R. Botswana; IS, NA 0359, ID & freqs in EE/vern., relig. pgm for 5 min., @0405 lcl & US R&B mx, @0430 EE YL tlk on Int. Women's Week, bad het 0440, 433(3/8 Evans-TN) YL tlk on infectious disease @0416 followed by quiz on content, 433(3/21 MacGibbon-OR) ID @0400 ment. bctng on "41, 49, 60, and 90m SW, on 7295, 5965?, and 3356 kHz", 433(4/3 Sharp)

CAMEROON

- 4000 1800 R. Bafoussam; EE, ID, poss. IS 3 times, into world nx by OM, 232(3/8 Miyauchi-Japan)
- 4750 0510 R. Bertoua; FF, ment. of "Cameroon" by OM after nx, into lcl mx to past 0520, soon covered by UT, 322-222(4/1 Sharp)
- 4795 0520 R. Douala; OM w/vern. tx & poss. nx, IS 0531, 0532 EE nat. & wrld nx incl. witchcraft problem, 232(3/24 Hevern-NY)

4850 2247 R. Yaounde; FF, lcl song on wind inst. then into lcl anmts by OM, ID 2253 "Ici Yaounde" & more mx, gd(3/31 Sharp-FL)
 5010 0430 R. Garoua; AA/FF/EE, bilingual(tri-? MK) OM ID's repeated every 10 sec. before s/on, then FF OM anmts 0430 & into Quran, 323(3/31 Sharp-FL) @0504 FF w/end of wrld nx, then YL ID & TC, Afro mx, 433(3/18 Johnson-IL)

CAPE VERDE

3931 2349 R. Voz de Sao Vicente; nice mx, OM w/ID at 0000 & s/off, no ham QRM, 353(3/27 Leite-MA) Nice log, OM! MK

CENTRAL AFRICAN REP.

5035 2235 R. Centrafrique; FF, OM hosting jazz mx pgm, closing anmts, "Bonsoir", ID & NA, 2302*, 343(3/28 Thunberg-PA) 5030t at 2255 w/Quran, unreadable AA or vern. ID, NA, 2302*, Think is this one down from 5035, pr(3/6 Parks-FL)(freq does vary -MK) @0515 FF w/lively hi-life mx, OM ancw w/some tx & ID, mostly just good hi-life, 353(3/17 D'Angelo-PA)

CHAD

4904-5 0452 Rdf. Nationale; FF, strong OC from 0452, @0454 long test tone, then @0456 IS on balafon or similar w/a melody abt 7 sec. long, NA by military band 0458, then at 0459 song by children's chorus, 0501 nice clear ID by OM as "Ici N'Djamena, Rdf. Nat. Tchadienne", then mixed-bag pgm of Afr pops, hi-life, & native vocals w/frequent chatter by upbeat OM ancw over the mx, ID as above @0516 & simply as "Radio Chad" @0520. At 0530 into app. speech by OM with echo effect, exc. at first but faded by 0530, 444-242(4/4 Cunningham-OH) Also hrd w/Quran recit. for 20 min. after s/on on 3/28 by Thunberg-PA & Parks-FL; and on 3/24 @2150 w/Afr mx, NA & s/off 2201 by Thunberg on 3/28(+4 rptg)
 5289 0500 R. Moundou; FF, 3-note/tone IS for 15 min., s/on ID & tx by OM, into FF ballads @0523, more OM tx & into lcl mx, 242(3/18 D'Angelo-PA) IS to 0517 s/on(from 0500), ID "Ici Moundou" at 0530, 333(3/18 Soomre-MA)

DJIBOUTI

4780 0315 R. Djibouti; Somali, cont. Som. mx w/only one anmt by OM at 0327, I doubt is always 20kW as rptn vy erratic at times, pr(4/1 Sharp-FL) @0305 tent. this w/Koran, bad CW QRM on same freq, 333(4/1 Van Horn-TX)

EGYPT

9475 *0200 R. Cairo; EE w/YL ID for NAM svc, "Studio 12" pgm w/mx, TC 0215 & nx w/YL anchor, 454(3/14 Bingham-MA)(3/9 Gray-MI)
 9805 2106 R. Cairo; AA/EE, dictation speed nx, EZL mx, chimes & ID into EE nx @2116, 343(3/19 Thunberg-PA)(Seitner-VA)
 9850 1605 R. Cairo; HS pgm in AA, ME mx, soft tx by OM, 333(3/16 Berri-CA)
 12050 1935 R. Cairo; AA, mx, tlk by YL, ID "Min al-Qahirah", chimes @2000 & nx, @2020 px in non-standard Egyptian dialect, 423(3/23 Dillon-PA)
 15155 1726 R. Cairo; Somali, ME mx, OM w/ID, into Amharic @1730, 444(3/30 Berri-CA) @1700 w/Som. nx, 343(3/29 Dillon-PA)

ETHIOPIA

9560 1400 VORE; lang., vy wk tx by OM, distinct flute mx noted, time pips on 1/2 hr, being blown away by Venezuela, 322(4/9 Sharp)
 9595 1930 VORE; EE "Radio Freedom" via VORE, VORE ID @1930, then into anthem w/OM ann & ID as "R. Freedom", machine gun fire 1934, another anthem to tx 1937, co-channel QRM, 121(4/7 Stephany-NY)

GABON

4810 0534 Africa #1; FF w/OM ancw, rock mx 0545, ID 0554 & into more up-beat mx, 433(3/28 Selvey-MA) +2
 11940 1830 Africa #1; FF w/disco, rock, reggae, many IDs by OM, nx at 1900, 544(3/3 Dillon-PA) 353 @2130(3/11 Keenan-CA)
 15200 0637 Africa #1; FF, wrld nx & western mx, 444(3/21 Lord-CA) +2
 15315 0356 R. Japan Relay; hrd tuning up w/jazz record 0345, open carrier to IS w/EE & JJ IDs, into Russian on hr, ID "Govorit Tokyo" then nx, left air suddenly @0408, 433(4/2 Stephany-NY) RR *0400, into app. Swedish @0430, no ref. to Gabon not-

ed, but this date/freq/time rptd as inauguration of RJ relay via Africa #1, 444-242(4/2 Cunningham-OH) carrier off 0407, then on then off again, back on @0419, first day on! QRM de Australia 15320, 333(4/2 Harada-CA)(4/7 Soomre-MA) R. Japan Relay; EE, sudden TP on hr, ID, into nx, then "Current Affairs", vy unstable sigs, 232(4/7 Stephany-NY)

21550 *1500

GHANA
4915 0550 GBC; EE, Afr mx, ID @0600, wrld & lcl nx, into vern. @0617, 333(3/14 Van Horn-TX) into EE nx 0600, main points rptd at 0614 then into lcl lang. @0615, 333(3/1 Schulsinger-OH)

GUINEA
15311 2010 LV de la Revolution; FF, usual xylophone mx w/occ. OM tx, really suffering from hets & seems to drift a few kHz, 344 (4/9 Sharp-FL)

KENYA
4915 0354 VOK; Swahili, OM & YL tx, NA @0358, ID & into OM w/nx format, 434(4/1 Van Horn-TX)

LESOTHO
4800 *0300 R. Lesotho; Sesotho, caught NA, s/on ID & anns, into relig. sermon & mx, sounded like some pretty hvy preaching! Never noted this early here, UT QRM, 322(3/22 D'Angelo-PA) *0300 w/opening anns in EE, into solid Sesotho tx to past 0310, gd(4/1 Sharp-FL)

Log rcvd for BBC 15260 @2207 is via Ascension-MK

LIBERIA
3255 2330 ELBC; EE, sermon--money is OK, a healing svc by Oral Roberts, YL ID @2348, ad for YMCA, UT QRM began @2338, 433 (3/31 Dillon-PA)

9605 2030 VOA Relay; FF, Afr trad. & folk mx, ID 2100, 433(4/1 Dillon)

LIBYA
~~3200~~ 0120 SPLAJBC; AA, YL DJ w/ME pop mx, no ID but rptd by others as Libya, fr(3/19 Parks-FL) Just what 90m needed, hi-MK

11815 2235 R. Jamahiriya; EE, "America & the Nuclear Mushroom", a message from Mo', ID, gd(3/28 Harrell-IL) AA nx to 2210 then into EE w/ID, Koran readings, prop., 444(3/12 Weikel)

15450 2000 R. Jamahiriya; EE, ID as Afr svc of RJam, then s/off, 444 (3/25 McKeon-IN) You Know Who @1938 w/"Happy Music"(boy, do I know who!-MK), then tlk on Western plot against 3rd wrld, zzzzzzzz...544(4/9 Sharp-FL)

17930 1525 SPLAJBC; AA, must be Khadafy spouting lots of sitcom & entropy from way crowds are cheering, 454(sarcasm noted, hi-MK)(3/3 Card-RI)

MADAGASCAR
3288 0310 R. Madagasikara; Malag., tx by OM, prob. nx, wk & being hampered by powerhouse Belize(hi!) on 3285, gone by 0321, 222(4/2 Sharp-FL)

9540 1945 RN Relay; FF, long play, ID, mx, 2020*, site per WRTH, 333 (4/1 Dillon-PA)

11735 1430 RN Relay; EE to Asia w/wrld nx & "Newsline", to 1520, 333 (3/11 Unruh-HI)

11740 1428 RN Relay; EE, IS, ID, nx, Monday Rpt, //21480(better), replaces former 11735, 333(3/26 Miyauchi-Japan)

MALI
7110 0750 RN du Mali; FF, drum mx 0750-0755, ID, nx headlines, slow drum beats 0757-0800, then OM w/ID, sked & NA to 0802*, QRM de CW, 222(3/19 Hevern-NY)

MAURITANIA
4845 2351 RNM; FF, lcl nx by OM ment. AA cities, brief Quran, closing anns 2359, military NA to 0001*, 444(4/4 Sharp-FL) *0556 AA w/TT, IS, ID, pgm ann, then Quran to 0611 & into morning pgm "Haret al-Sab'ha" w/wake-up AA mx & OM ancr, poor mod during anns, 343(3/11 Stephany-NY) AA, into FF @0642, 343 (3/31 Dillon-PA)

MOROCCO
11825 1854 R. Med. Inter.; AA/FF, AA vocal to the hr, ID by YL, OM ad, into pgm of rock hits w/YL DJ, IDs as "Medi 1" & once as

17815 1300 "Mediteranee 1", occ. singing promos, 333(4/7 Stephany-NY)
RTVM; AA, fanfare, ID, automated time sig., into nx, still
noted @1800, 544(3/5 Wood-SAR)

MOZAMBIQUE
4858t 0310 Em. Provincial de Cabo Delgado; PP, tx by OM, followed by
xylophone mx typical to Moz., certain not a Brazilian but
no ID hrd, 222(4/3 Sharp-FL) listed 250 watts-MK
4863 0404 R. Mocambique; PP OM tx w/ments. of Maputo, gd sig but al-
ways poor audio, 333(4/5 Sharp-FL)
7105 0729 R. Mocambique; PP, pop mx, ID 0759 & into nx, 333(3/19 Hod-
gson-RSA)
11818v 0358 R. Mocambique; PP, ballads in PP, into gong & OM ID @0400,
into nx, fairly reg. here, 423(4/6 Sharp-FL)
15295 0510 R. Mocambique; PP, blend of mx, some lcl other distinctly
Cuban, almost thought was RHC until 0520 OM ID, must be re-
activated, 333(4/9 Sharp-FL) @0700 w/nx in PP, 444(3/15
Wood-SAR)

NAMIBIA
3295 0310 R. SWA; Afk, cont. EZL mx to 0445, relig. pgm 0445-0458,
@0458 ID & freqs, TC @0500, faint & het de CW stn, 222(3/
18 Hevern-NY) 322(4/4 Sharp-FL)

NIGER
5020t 0538 ORTN; FF/vern., 0538 chanting, ID as "La Voix du Sahel",
0543-0559 diff. AA style chants & vocal mx, ID @0600, 222
(3/20 Hevern-NY) definitely Niger, OM! MK

NIGERIA
4770 0510 PRCN Kaduna; EE, 0514 drum mx, ID 0515, QRM from GG number
stn, rock mx 0525, tlk @0531, 423(3/28 Selvey-MA) +3
4932 0555 PRCN Lagos; EE, Afr mx, ID "R. Nigeria from Lagos", lcl nx,
short story, 343(3/18 Dillon-PA)
7255 0740 VON; Hausa w/nx abt Ivory Coast, lcl nx, drum IS & EE ID
@0801, into EE nx, 433(3/19 Van Horn-TX) +2
11770 1700 VON; EE, Afr Svc, OM w/letters followed by mx, I rcvd nice
ltr from VON employee, 433(3/15 Valentine-CA)
15120 2130 VON; EE nx on Lebanon meeting, planned Iran election, etc.,
poor bassy modulation, 232(3/12 Chickerell-WV) +4

SAO TOME E PRINCIPE
4807 2300 R. Nacional; PP, closing anns by OM, just breaking thru
ANO OC splatter, NA & off 2303*, 322(4/4 Sharp-FL)

SENEGAL
4890 0040 ORTS; FF, Afr pop mx, OM w/tlk & ID, more pop mx, tlk on
Senegal w/lcl nx, 444(4/1 Van Horn-TX) @0700 in FF w/Irish-
sounding tune then nx abt Senegal, 333(3/29 Dillon-PA)

SEYCHELLES
11895 1603 FEBA; EE YL w/wrld nx, //15325 until 1611, 454(3/19 Miyau-
chi-Japan)
15325 1225 FEBA; EE nx 1225-1230 then into Malayalam w/"Voice of God"
@1230, "Radio Bible Club" @1300, 343(3/14 Unruh-HI)
15410 *1730 FEBA; Oromo, IS to 1734 IDs, tlk & mx, VOA QRM, 323(3/12
Thompson-CA) IS, s/on, bilingual ID: Oromo-"Kun R. FEBA t",
Amharic-"Yih he FEBA R. new", into Amh. relig. pgm @1733,
//11780, 544(3/13 Wood-SAR) hrd on 4/9 here at *1730 at fine
level, over co-channel VOA EE--MK

SOMALIA
11640a 1228 R. Hargeisa; Somali tx by OM, clear ment. of "Somalida" &
"Hargeisa", audio cut abruptly @1235, 333(4/9 Sharp-FL)
Nice, OM! Seems to vary btwn this freq & recently rptd
7120 when active-MK

SOUTH AFRICA
3250 0417 R. Five; EE, US & UK pop chart mx, lively OM DJ w/TCs &
occ. ad, ID 0420 "R. Five", 222(4/1 Sharp-FL)
4835 0458 SABC; EE, slow mx, OM ID @0500 & into nx, then sports, bad
QRM de Reloj, 212(3/10 Johnson-IL)

TOGO
3222 *0525 RT Kara; FF, IS 0525, NA 0529, s/on ann by OM 0530 "Ici
Kara, Rdf. Togolaise, La Voix de la Nouvelle Marche..",

freqs & into Afr mx to "Kara Flash" lcl annmnts 0535, folk & relig. mx to 0600 Afr nx, 333(3/31 Stephany-NY)
5047 0525 RT; FF, ID @0530 after NA, into choral mx,(3/18 Jones-TX)+4

TUNISIA
7225t 0549 RTVT; AA, relig. tlk by OM, AA mx, suddenly lost @0556, no ID hrd & ARO QRM, 333(4/1 Dillon-PA) tent. @0548 w/cmtry by OM, 544(4/2 McKeon-IN) is now hrd 0430-0600, see WBI-MK

UGANDA
5027 0407 R. Uganda; EE, lcl nx & anns by OM, then ID & into wrld nx headlines, then ads or PSA's, 433(4/6 Sharp-FL)

UPPER VOLTA
4814 2150 RTVV; FF, nice balafon mx & really whopping signal--now 50kW as planned? 444(4/7 Sharp-FL)

ZAIRE
15245a 0351 LV du Zaire; FF, cont. mx to 0400, then clear OM ID "Ici Kinshasa, LV du Zaire...15245 kHz..." reception vy irregular, 353(4/7 Sharp-FL)

ZAMBIA
4911 0420 ZBS; Afr pop mx, ID, "One Zambia", other tlk in vern. lang., more fast Afr mx, 333(4/1 Van Horn-TX)

9505 1555 ZBS; EE, per April SPEEDX, noted NA & opening anns to 1557, then obliterated by NHK IS, 222(4/7 Sharp-FL)

CLANDESTINE
15555 0515 R. Vatan(Egypt); Parsi, OM tx, short mx btwn segments, Iranian martial mx noted 0522, //9027 almost inaudible, 232(3/22 Palmer-WA)

17940 1625 V. of Sudanese Pop. Rev.(Libya); AA, cmtry about Sudan, AA mx, ID "Saut uth-thawrat ish-sha'abiyah as-sudaniyyah", bk after brief absence; 333(3/31 Dillon-PA)

UNIDENTIFIED
5068 1713 FF, Afr songs, interview at 1719--Candip?(are you sure not EE, OM? Suspect Uganda-MK) 252(2/10 Draye-Saudi Arabia)
11345 1812 AA, ID "Voice of the Popular Front to Save Libya" after recit. of Quran, 251(2/17 Draye-SAR) Log old but included as unid.-MK

News from WBI/BBCMS

Rwanda: A DW official noted that during their joint meeting the President & Government of Rwanda had declared their willingness to agree to the development of the Deutsche Welle station in Rwanda.(4/5)

Chad: RNT in Ndjamena is back on SW on 4904 w/s/on at 0500 daily & s/off at 2100 except for Saturday when 2200*. During the daytime RNT is hrd on 7120. Nx in FF observed at 0530-0535 & 1845-1915; additionally on 7120 for 1330 weekdays & 1200 Sundays. AA nx at 1800-1820. Xmtr is now 100 kw & was to be inaugurated at 0900 on 3/27. RNT was last hrd on SW in 1979. R. Moundou continues to be hrd on 5289.(3/29)

V. of the Resistance of the Black Cockerel: This stn which bcsts on behalf of the UNITA movement in Angola at 0430 & 1730 on 4950 ancd 4/3 xmn also daily at 1200-1300 on 15180.(4/5)

V. of Sudanese Pop. Rev.: This stn resumed bcsts on 3/28 after being unheard since beginning of Jan.; it continues to use 17940 & about 1430-1730.(4/5)

Zaire: RFI rptd that there had been two explosions in Kinshasa during 3/27 at the Voice of Zaire building & Posts & Telecomm. office; damage was reported to have been quite severe.(4/5)

Radio Truth: This stn hostile to the government of Zimbabwe continues to be hrd in EE from 0430-0500 on 5015.(3/29)

V. of Mozambique National Resistance: This stn last hrd to bcst on 4772 at 0400 on 3/21. It did not ment. that the radio was suspending bcsts. (3/29)

Zambia: The acting Dir. General of ZBS was rptd to have annncd that the langs used on HS bcsts would also have air time on the General Svc from 3/26. Until now, only Bemba and Nyanja had been used in addition to EE; the 5 add. langs would be bcst from 0700-0800 on the General Svc acc. to the following sked: Mon--Kaonde, Tues--Tonga, Wed--Lunda, Thurs--Lozi, Fri--Luvale.(3/29)

Gabon: Acc. to Radio Japan on 3/19 & R. Austr., the following sked for Moyabi relay would take place as of 4/2:

Gen. Svc to ME & Eur--0600-0700	21575 JJ
0700-0800	21575 EE
1500-1600	21550 EE
1600-1700	21550 JJ

Reg. Svc. to Eur-----0400-0600 15315 (3/22)

Angola: RN de Angola has been recently obsvd w/its EE & FF pgms at 2100 & 2200 respectively; it has also been hrd on 4950 recently, using this freq simultaneously w/opposition "V. of the Resistance of the Black Cock-erel" at 0500 since 3/5.(3/22) RN de Angola's "A" pgm has been obsvd on 24-hours.(3/15)

Libya: A recent survey of SPLAJBC has noted this sked:

Domestic Svc from 1100-1745	17930, 15415, 15235, 9890
V. of Greater Arab Homeland, 1745-0430	17930(to 2100), 15235(to 2100), 11815(2000-2200 & 2300-0430), 9890, 7245, 6155(2100-0430), 3200

Also, the domestic svc in AA also noted irr. on 9500 & 6000. The external EE svc entitled "Voice of Africa" was hrd on 15450 on 3/6,8,11,12 at 1900. Annmnts stated was on daily but not hrd on btwn dates 3/7,9,10. The cuurent EE svc for NAM, "R. Jamahiriyah", is currently hrd on 11815 from 2200 approximately.(3/15)

Tunisia: Tunisia's SW usage has currently been obsvd as follows--

0430-0600	17746, 9621, 7225
0600-1600	15226, 11731
1600-2330	15226, 11735, 7225

(3/15)

Libya/Radio Bardai: Observations on 3/5 showed that Radio Bardai, hostile to present government of Chad, was erroneously operating on 15415 instead of usual 6009.(3/8)

Algeria: The following is the sked of the International Svc of RTVA(R. Algiers)--

0002-0032	SS to Chile w/"V. of the Chilean Resistance" pgm	17745*, 15215*, 9685*, 9640, 9509*
1030-1100	SS to Eur/NAfr	17745, 15215, 15160, 9685, 9640, 9509
1702-1800 (1602-1700 during Ramadan)	AA PLO pgm	15370, 11715, 6160, 6145
2000-2030	EE to Eur/NAfr/ME	17745, 15215, 9685, 9640, 9509
2030-2100	SS to Eur/NAfr	as above

(*) indicates freq not confirmed. Target areas have been assumed for BBC statistical purposes.(3/15)

Swaziland: TWR Manzini has this English sked--

0430-0735	5055(to 0600), 7295(from 0530), 9730(to 0700), 11760(from 0615)
1600-2015	5055(to 1700), 4760(from 1700), 9635(1600-1700 & 1800-1845)

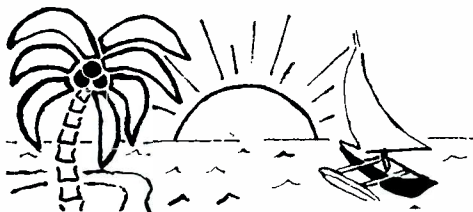
(3/15)

Well that wraps it up for another month! 73s 'till next time, Mark

ASIA-OCEANIA

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DEADLINE: 12th of each month
FREQUENCIES IN KILOHERTZ
TIMES ARE IN GMT
0000=sign on 0000=sign off

This month's column is being typed from a motel room on the ocean at Virginia Beach. The XYL is attending a conference here and since I've not had a vacation in almost two years, I couldn't pass up the opportunity to go along. Being the dedicated editor that I am, the typewriter was packed along with my bathing suit and suntan lotion-hi.

There is not too much news from the A/O section to report this month. A report on the 6 April broadcast of Media Network stated that R. Kiribati, formerly only heard in SSB on 16433 khz, now has an AM transmission on 9825 khz from 0700 to 1000 GMT with a news bulletin at 0900. This transmission is entirely in the Kiribatese language.

A F G H A N I S T A N

R. Afghanistan

6230 1552 RA: unid. lang: lcl mx; talk pgm (342 Draye-S. Arabia)
9550 1305 RA: unid. lang: YL w/nx; lcl mx; ID by YL (343 3/12 Miyouchi-JP)

B U R M A

BBS

4725t 1420 BBS: vern: OM w/tlk possibly nx (444 3/23 Berri-CA)
5985 1430 BBS: EE: YL w/ID; pop mx w/OM vocalist (232 3/17 Miyouchi-JP)

C H I N A

R. Beijing and various regionals

5010 1432 PPBS-Guanxi Nanning: JJ/CC: OM & YL w/JJ lang lesson(433 3/23 Berri-CA)
5265 1425 FFS-1: CC: YL w/nx and mentions of Fujien (545 3/20 Berri-CA)
6120t 1520 PPBS-Xinjiang Urumqi: CC: OM w/tlks; class. mx (433 4/3 Berri-CA)
6260 1436 PPBS-Qinghai Xining: CC/EE: OM & YL w/EE lesson(333 3/23 Berri-CA)
7025 1426 FFS-2: CC: OM w/tlks; ID at 1430; mx (444 3/25 Berri-CA)
9820 1215 RB: EE/CC: tlk abt people and their work & mx(333 3/3 Macrie-NJ)
9860 1645 RB: EE: Letters from listeners; tlks on a rescue from a frozen lake & CC dialects.(443 3/30 Valentine-CA)(222 3/24 Ohlinger-CA)(322 3/5 Stephenson-CA) at 0941 w/nx and tlk of CC tax laws(344 McKeon-IN)
11575 1630 RB: Swahili: s/on w/ID and nx; // 9457 (544 3/15 Wood-S. Arabia)
11600 2254 RB: PP: caught at s/off w/PP ID (444 3/18 Prath-FL)
11650 1200 RB: EE: nx; rpt on Korean military exercises; Mailbag pgm (544 3/22 McDowell-IL) (good Harrell-IL)
11860 1225 RB: EE: Chinese opera; tlk of improvements in Tibet under communism; "Listener's Calling"; s/off at 1256(444 3/15 Blanchette-FL)(Dillon-PA)
11865 1240 RB: EE: CC lang lesson; mx; sked and 1257*(353 3/21 Bingham-MA)
15030 2340 RB: CC: tlk by YL & OM; CC mx (232 3/31 Leite-MA)
15125 1800 RB: Hausa: IS, ID, nx (544 3/5 Wood-S. Arabia)
15135 1200 RB: Tagalog: poetry reading bcst to Philippines.(443 3/14 Unruh-HI)
15385 0415 RB: EE: Traveling down the Yantze River.(333 3/7 Stephenson-CA)
15520 0000 RB: EE: world nx; Letterbox; CC lang lesson; Chinese cooking(they say water buffalo tastes great!) This is apparently the M-84 main freq for bcsts to Nam.(444 3/27 Dillon-PA)(444 3/19 Brewer-AR)(3/25 Byron-PA)(3/22 Palmer-WA) (3/17 Prath-FL)
15590 0010 RB: EE/CC: OM & YL w/EE lang lesson (121 3/28 Berri-CA)
17650 0250 RB: SS: tlk of new electronic tech. in Chinese ind.(444 Grosvenor-CA)
17770 0224 RB: SS: letters from listeners (444 3/11 Grosvenor-CA)

I forgot to bring along my WRTM so I'm assuming all xmtr sites are correct as listed. RBT

C Y P R U S

CBC

6030 2210 CBC: GG: IS, nx; Play pgm by OM & YL (444 3/17 Soomre-MA)

Leave it to my XYL-She just got back from her conference and says she gave a cough drop to the Governor of Virginia who was having throat problems during a speech!

I N D I A

All India Radio
 11620 2050 AIR: EE: songs w/YL vocalist; ID, nx, cmt(333 3/23 Timofeev-FRG) at 2215 in EE: mx pgm; s/off at 2230 w/skcd (433 3/25 Coleman-MA)
 15265 1800 AIR: EE: Genl. Overseas Svc from Bombay; DX Corner(333 3/11 Unruh-HL)
 17386 0955 AIR: EE: IS, s/on to NE Asia and ANZ. Freq anncd as 17387; // 15170, 15320, 17705, 17875 all hrd.(444 3/16 Wood-S. Arabia)

I N D O N E S I A

3265 1135 RRI Gorontalo: IN: 2 OM w/tlk; Java mx but IDed as Gorontalo just before 1200 Jakarta nx.(343 3/26 Miyauchi-JP)
 3344.8 1035 RRI Ternate: IN: flute and drum mx-sounds like that of Japan; ID at 1059 into lcl(?) nx.(443 3/21 Miyauchi-JP)
 5987.4 0957 RRI Manado: IN: Koran recitation, AA mx, ID & nx at 1000. This freq usually s/off after nx 1010-1020 & 3215 continues(444 Miyauchi-JP)

No Indo rpts from the States this month. Is the DX season over already? RBT

I R A N

VOIRI
 9022 2025 VOIRI: EE: YL w/tlk on war with Iraq; ID & sked into martial mx at 2030 (322 3/29 Coleman-MA)
 15084 2135 VOIRI: Parsi: tlk by OM w/ment. of Islam, Iraq (444 3/25 Prath-FL)
 0025 VOIRI: Parsi: choral mx; brief but clear ID (3/19 Jones-TX)
 1800 VOIRI: AA: nx, ID, tlk of war with Iraq (323 3/24 Dillon-PA)
 0612 VOIRI: SS: ID, sked, mx into Parsi at 0629 after NA. Hvy QRN & QRM; // 9022 almost inaudible (222 3/21 Hevern-NY)

I R A Q

Sawt ul Jamaheer
 9610 1845 SuJ: AA: relig tlk, AA mx, nx at 1900; ID "Sawt ul Jamaheer min Baghdad" into tlk of Iran.(323 3/24 Dillon-PA)
 9680 0800 SuJ: AA: clock chimes, ID, nx. new freq-ex 9690 (444 3/1 Wood-S. Ar)
 15400 1640 SuJ: AA: ID, political interview. QRM de BBC Ascension(533 Wood-S. Ar)

I S R A E L

Kol Israel
 9440 *0001 KI: EE: nx, instl mx; Mailbag pgm; DX Corner; pgms on Italian art show and artist in Jerusalem.(454 3/19 Bingham-MA)(444 3/9 Berri-CA)(343 3/29 Dillon-PA)(444 3/16 Valentine-CA) at 0505 in EE w/nx(252 3/30 Jones-TX)
 9815 0000 KI: EE: "Look at Judaism"; "DX Mailbag" (444 3/21 Byron-PA)(444 4/1 Gray-MI) Also hrd at at 2230 and 0100 in EE (444 3/5 Langlois-GA)(422 Macrie-NJ)(333 Addison-KS)(454 Fraser-MA)
 11590 *1800 KI: EE: OM w/wx and tlk abt book on Nazi Resistance(454 3/13 Bingham-MA)
 11655 0115 KI: EE: Jewish folk mx; wld & lcl nx (444 3/28 Van Horn-TX)(353 3/19 Jones-TX)(Gray-MI)(Dillon-PA)(Bingham-MA)(Bowden-CA)
 12025 2020 KI: EE: Info on events in Israel; tlk of boy who rcvd kidney transplant (444 3/20 Wimmers-VA)(Bingham-MA) also rptd on 12027 (Berri-CA)
 15720 2140 KI: HH: home svc of tlk & pop mx; // 9385 & 11590(333 3/25 Prath-FL)

J A P A N

R. Japan; Far East Network; Nihon SW Best
 3925 0949 NSB: JJ: Ray Charles and Stevie Wonder mx; DJ chatter; ads (454 3/17 MacGibbon-OR)
 6155 0835 FEN: EE: pop mx; OM w/wx and ID at 0859 (333 3/24 Davidson-TX)
 9505 1100 RJ: EE: nx, "Current Topics"; cmt(343 3/28 Blanchette-FL) also at 1300(Selvey-MA), 1458(Van Horn-TX), 0928(McKeon-IN)
 9580 1100 RJ: EE: rpt of trade tlks between US & Japan(553 3/21 Bowden-CA)
 9595 0920 NSB: JJ/EE: OM & YL discuss the decline of manners worldwide; mx break; blurb for "Asian Express" pgm (544 3/24 Thompson-CA)
 11705 2015 RJ: EE: nx to N. Africa & M.E. // 9615 (222 3/25 Zilmer-NM)
 11750 2030 FEN: EE: "Cross Country" pgm; C&W mx (343 3/14 Unruh-HL)
 11815 1715 RJ: EE: Asian nx abt Korea; olympic rpt (544 3/4 Valentine-CA) at 1500 w/nx cmt. // 9500, 9580 (333 4/2 Zilmer-NM) JP
 11840 1637 RJ: EE: Letters from listeners; into Swahili at 1645(343 3/19 Miyauchi-CA)
 15195 0250 RJ: SS: JJ lesson w/OM & YL (444 3/5 Grosvenor-CA)
 17755 1755 RJ: EE: OM w/ID, nx & cmt(344 3/16 Addison-KS)
 17825 0135 RJ: EE: nx, "Current Affairs" pgm abt conference concerning women in Japan.(fair 3/27 Harrell-IL)(433 3/17 Prath-FL)
 21610 0202 RJ: EE: comments on the play "West Side Story" (444 3/11 Grosvenor-CA)

K O R E A (NORTH)

KCBS: R. Pyongyang
 4120 1418 V. of Rev. Party for Reunification: EE: diatribe agnst US support of S. Korea; anncd at s/off as bcstng from Seoul but that is doubtful (343 3/14 Unruh-HL)
 5866.2t 1315 KCBS: KK?: martial mx mixed w/Western stuff. // 4770...missd s/off anncts; check at 1330 showed them gone.(fr-gd 3/14 Sheedy-CA)

N. Korea cont.

6576 1526 RP: RR: YL w/spirited RR tlks; martial mx (323 4/3 Berri-CA)
 9625 1900 RP: KK: ID, s/on, nx; // 9977 (544 3/9 Wood-S. Arabia)
 9745 *1100 RP: EE: nx; chorus w/song of Korea; OM w/excerpt of book: Kim el Sung and Korea (444 3/2 Cox-CA)
 9977 1210 RP: EE: anti US propaganda; tlks on architectural art and the benefits of communisn.(343 3/30 Dillon-PA)(454 3/10 Weikel-MI)(gd Harrell-IL) (333 3/5 Stephenson-CA)
 11660 0708 RP: EE: harangue agnst US E. Asian policy; mx (223 3/16 Lord-CA)
 11830 0815 RP: EE: SE Asian svc of anti-US cnty (232 3/9 Berri-CA)
 11880 1707 RP: EE: archeology pgm; nx; cnty (322 3/24 Ohlinger-CA)
 11985 1800 RP: KK: s/on, IS, ID into nx (544 3/3 Wood-S. Arabia)

K O R E A (SOUTH)

7550 2230 R. Korea
 RK: EE: study of martial arts in Korea; tlk of 1988 Olympic Games; "Let's Learn Korean" (333 3/1 Langlois-GA)(252 3/21 Bingham-MA)
 9750 1400 RK: EE: tlk of upcoming conf. with N. Korea; wkly sports pgm; nx from past week;"Echoes" pgm(423 4/2 English-TX)(232 3/18 Weikel-MI)
 9870 *1600 RK: EE: M.E. & African Svc; nx by US annor who was formerly w/AFKN (433 3/4 Wood-S. Arabia) (322 3/5 Stephenson-CA)
 11810 1845 RK: KK: nx summary; melody; ID & s/off 1900 (533 3/4 Wood-S. Ar)
 15575 *0200 RK: EE: nx, cnty; tlk of Olympics; instl mx (fr 3/27 Harrell-IL)(322 3/9 McDowell-IL)
 1400 RK: EE: "The Pope is studying the Korean lang."; tlk of LA Olympics; spts results (545 3/21 Robinson-TM)(332 3/21 Byron-PA)
 0040 RK: PP: IS w/YL every 20 sec. "Aqui Seoul" (343 3/19 Brewer-AR)
 1010 RK: KK: DJ show, request mx for Koreans abroad (444 3/16 Wood-S.Ar)
 1625 RK: KK: pop mx; tlk by OM & YL; f/out at 1645 (444 3/29 Dillon-PA)
 15585 1412 RK: EE: nx, cnty, KK pop mx (333 3/17 Murphy-NJ)

K U W A I T

9800 0415 R. Kuwait
 RK: AA: nx headlines; // 6055 (544 3/14 Wood-S.Ar)
 11675 1830 RK: EE: nx abt Beirut situation; rpt on major events in Kuwait during 1983; "Listener's Digest"; rock mx (433 3/25 Byron-PA)(444 3/29 Dillon-PA)(344 3/17 McKeon-IN)(454 3/7 Bingham-MA) (454 3/31 Welch-MA)
 11990 1930 RK: AA: ID, tlk by YL; co-channel QRM de R. Prague(423 3/23 Dillon-PA)
 15345 0700 RK: EE: nx by YL (433 3/15 Wood-S.Arabia)
 15495 1715 RK: AA: tlk by OM; ID; AA mx; // 21675 (444 3/25 Prath-FL)(Dillon-PA)
 21675 1255 RK: AA: AA mx, nx, ID (444 3/25 Blanchette-FL)

L A O S

5660 1126 NR-Xien Khouang: Lao: mx and tlk by YL; ID "Thini..Xiang Khouang" (242 3/4 Nishimura-JP)

L E B A N O N

6215 2300 V. of Hope; R. Lebanon
 VoH: EE: rock mx; clear ID at 0100 w/addr. (454 3/10 Card-RI)
 0405 VoH: EE: rock mx, DJ chatter; ID on 1/2 hr (242 3/25 D'Angelo-PA)
 9545 1000 RL: AA: ID; Muslim sermon; WRTH says prob. off the air but has been hrd consistently (444 3/16 Wood-S.Arabia)
 11730 *1927 RL: FF: Fanfare IS, ID & sked; nx & interview; mx at 1955; 2019* (332 3/18 Schulsinger-OH)

M A L A Y S I A (PENINSULAR)

4845T 1425 R. Malaysia
 RM: Indian: OM w/tent ID, tlks; mx (444 3/23 Berri-CA)
 5965 1340 RM: Malay: ID by YL "Inilah R. Malaysia Rankayah(sp?) Nasional"; lcl pop mx pgm (444 3/23 Miyauchi-JP) CA)
 7295 1330 RM: EE: YL w/nx & cnty; very soft-spoken-details sketchy(333 3/22 Cox-

M A L A Y S I A (EASTERN)

5005 1040 R. Malaysia
 RM-Sibu: Iban?: Malay pop mx w/YL host; ID at 1059; from 1100 // 4895 Kuching (343 3/26 Miyauchi-JP) Miyauchi-JP)
 5030 1435 RM-Kuching: Malay: old hit songs pgm; ID at 1458, NA & s/off(444 3/24

O M A N

11820M *1500 R. Oman; BBC Relay
 RO: AA: s/on w/out NA nor IS; Koran; ID (354 3/11 Card-RI)
 15310 1200 BBC: EE: "Radio Newsreel"; spts nx (343 3/21 Shimada-JP)

P A K I S T A N

5060 1701 R. Pakistan
 RP: EE: YL w/nx & wx; ID at 1714 (343 3/20 Miyauchi-JP)(Wood-S.Ar)
 9423 1334 RP: Urdu: Qur'an recitation; S. Asian songs(343 3/22 Shimada-JP)
 9436 1845 RP: Urdu: nx summary, "Pakistan Zindabad"; 1900* (433 3/9 Wood-S.Ar)
 9863a 1508 RP: Urdu?: anned freq as 9860; YL w/wld nx; OM w/ID & lcl nx; mx pgm; Qur'an at 1553; slow nx in EE at 1600 (443 3/15 Thompson-CA)

Pakistan cont.
 11670 1720 RP: EE: ID; mx; "Weekly Pgm" at 1730; 1745* (333 3/16 Renn-WA)
 15325 1613 RP: EE: slow spd nx; anncd freqs for E. Africa will be 21500 & 17640
 from 3/27/84.(444 3/25 Miyauchi-JP)
 21470 1300 RP: AA: ID, nx, NA & 1315*; QRM de BBC (433 3/8 Wood-S.Ar)
 21802 0832 RP: EE: cricket cmty (444 3/19 Hodgson-S.Africa)at 1005;Urdu (Wood-S.Ar)

P H I L I P P I N E S Maharlika Best System; FEBC; R. Veritas; VOA
 6170.2 0950 MBS: EE: pop mx; ID on the hr; nx by OM (222 3/19 Miyauchi-JP)
 9578 0805 MBS: EE: pop mx pgm; ID "This is MBS, R. Pilipinas, V. of Philippines
 on 9580 Mhz Beating from Media Center, Bohol Ave, Qúezon City" (433
 3/31 Kosugida-JP) plus one unknown reporter
 9675 1540 FEBC: RR: gospel songs w/RR vocals; YL inviting listeners to write in;
 relg tlk by OM at 1544 (333 3/7 Palmer-WA)
 9760 1300 VOA: EE: wld nx; S. Asian nx; VOA Magazine pgm (454 3/5 Cox-CA)
 11890 0918 FEBC: EE: sermon; nx at 0930; relg pgm; QRM de TWR Bonaire (233 3/24
 Davidson-TX)(333 3/24 Muzyka-NY)(322 3/22 Talbot-ALB) CA)
 11955 1425 R. Veritas: Tamil/EE: ID in both langs; RV Listeners Intl(444 3/12 Speer-
 15440 1445 FEBC: EE: QSL info; Mailbag; "Hour of Freedom"; QRM de WYFR s/on at
 1550 (232 3/29 Zilmer-NM)(252 3/31 Welch-MA)

S A U D I A R A B I A BSKSA
 5875 1520 BSKSA: AA: lt. Western style instl mx; ID into poss. nx; ME mx (good
 3/17 Sheedy-CA)
 9870 1900 BSKSA: AA: AA mx w/relg comments by OM; ID; nx (433 3/16 Dillon-PA)
 9885 2250 BSKSA: AA: Qur'an pgm; ID, anthem & 2300* (434 3/31 Van Horn-TX)
 11855 2013 BSKSA: EE: pop mx (422 3/17 McKeon-IN) at 0630 in FF: lt. mx; now con-
 sistently back here ex 11850 (444 3/2 Wood-S.Arabia)
 11910 1700 BSKSA: Somali: IS (an old melody on the oud or lute); ID; Qur'an; nx;
 QRM de R. Budapest (533 3/13 Wood-S.Arabia)
 15060 1600 BSKSA: AA: ID into poss. nx(343 3/25 Prath-FL) at 1153 w/orch mx & ID
 (353 3/15 Blanchette-FL)

S I N G A P O R E R. Singapore; BBC Relay
 6065 1352 BBC: Burmese: nx by OM & YL w/mentions of Willy Jumlat & Mrs. Thatcher;
 tremendous signal! (555 3/22 Palmer-WA)
 9740 1158 BBC: EE: "Radio Newsreel"; Top 20 mx hits (343 3/1 Cox-CA)
 11750 1047 BBC: Story of Goose that laid the Golden Egg; mx(444 3/28 Elanchette-FL)
 11940 1330 RS: EE: pgm on cave exploring; nx; Parliamentary rpt; mx (343 3/14
 Unruh-HI) (343 3/14 Femyer-AZ)

S R I L A N K A SLBC
 9720 1550 SLBC: EE: relg pgm; mx; ID & sked to 1600* // 15425 (434 3/16 Berri-CA)

T A I W A N V. of Asia; VOFC; Best Corp. of China
 5980 1130 V. of Asia: EE: YL DJ w/US rock mx; ID & addr for rpts; het de unid
 stn. (fr 4/1 Parks-FL)
 11825 0200 VOFC: EE: "Travelogue"; "Let's Learn Chinese"; instl mx; tlk abt a
 stringed instrument (gd Catey-IL) (333 3/19 Bingham-MA)
 11905 1315 BCC: CC: dictation spd nx by YL; ID (444 3/2 Wood-S.Ar)

T U R K E Y V. of Turkey
 6900 0438 Turkish Meteorological: Turk: contemp. Turk mx selectons all by the same
 singer; ID by YL at 0502 (444! Stephany-NY)
 11870 2214 VoT: EE: review of Turkish Press; Turk mx; tlk on origins of yogurt;
 sked and 2252*. Apparently main freq for M-84 bests to ECNA (444 3/21
 Palmer-WA)(444 3/18 Thim-CT)(Dillon-PA)(Harrell-IL) MA)
 0259 VoT: EE: IS; ID: tlk of silk wedding gown(544 3/20 Brewer-AR)(Bingham-
 0710 VoT: EE: Review of Turkish Press (444 3/16 Renn-WA)

U S S R (ASIAN)
 4860 1211 Chita: RR: relay of Moscow 1, Radio Orbita-2; YL w/tlk & mx; ID at
 1215 as "Govorit Chita" (232 Nishimura-JP)
 5035 0040 R. Alma Ata-Kazakh: RR: RR opera; IS, ID by YL at 0100; QRM de Brazil-
 ian (pr 3/11 Parks-FL)
 5290 1124 Krasnovarsk: RR: tlk by OM & YL; ID by YL (232 3/13 Nishimura-JP)
 7210 0214 Khabarovsk: RR: drama pgm; ID "Govorit Khabarovsk"(343 3/5 Nishimura-JP)
 7275 0830 Dushanbe-Tadzhik: RR: YL w/tlks and mx; // 7210 Khabarovsk(544 Berri-CA)
 9500 0731 Magadan: RR: piano mx; tlks; ID & IS at 0755(343 3/7 Nishimura-JP)

I'm home now from my mini-vacation. Had hoped to finish the column while I was away but
 the weather was too nice to spend all my time at the typewriter!

UNITED ARAB EMIRATES R. Dubai
 9500 0330 RD: EE: in depth nx of Iran-Iraq war; "Mailbag" (every 2 weeks); // 11730 and 15435 (434 3/9 McKeon-IN)(434 3/26 Soomre-MA)
 11730 *0330 RD: EE: President of UAE calls for greater role for women(3/26 McKeon-IN)
 11955 1900 RD: AA: nx, ID, AA mx (333 3/23 Dillon-PA)
 15300 1600 UAE Radio-Dubai: EE: nx, cmty, pop mx; ID as UAE Radio-not R. Dubai. (232 3/29 Zilmer-NM)(444 3/25 Coleman-MA) at 1645 in AA: long AA songs; drama (444 3/25 Prath-FL)(433 3/23 Dillon-PA)
 15320 1601 RD: EE: "Letterbox" pgm; tlk abt Islam; QRM de RCI (424 4/1 Seitner-VA) (333 3/11 Timofeev-FRG)(McKeon-IN)(Bingham-MA)
 21655 1200 RD: AA: time signal, ID, nx (533 3/15 Wood-S.Ar)

V I E T N A M V. of Vietnam
 5601 1155 Hoang Lien Son: VV/Muong: VV at 1215 and Muong at 1230; IS & ID were best at start of each pgm. VV ID as "Day la dai phat tanh Hoang Lien Son" by YL (222 3/7 Nishimura-JP)
 6525 1230 Cao Bang: dialect: YL w/tlk and mx; ID as "...phat tanh Cao Bang" (232 3/14 Nishimura-JP)
 10010 1345 VoV: VV: home svoc of trad mx; not // 10060 (333 3/15 Wood-S.Ar)
 15010 2045 VoV: EE: "Sunday Morning from the V. of Vietnam"; tlk of Viet musician; disc. of history of the station; lcl mx (highly recommended!) (322 3/18 Thim-CT)(454 3/21 Leite-MA) at 1330 in EE (343 3/31 Muzyka-NY)

Y E M E N A R A B R E P U B L I C R. San'a
 4853 0632 R. San'a: AA: tlk by OM; AA mx; ID (222 3/17 Dillon-PA)

Y E M E M (PEOPLE'S DEM. REP.) DYBS
 5970 0525 DYBS: AA: delightful AA-syled version of "Happy Birthday to You" sung in EE but w/out and other AA folk instruments. // 6005 (3/8 Wood-S.Ar)
 6005 0330 DYBS: AA: nx and AA mx hrd under BBC; apparently BBC no longer goes off from 0330 to 0355 though on 4/1 they were off 0230 to 0255.(222 3/28 Dillon-PA)

O C E A N I A

A N T A R C T I C A Argentin Sector
 15474 2335 LRA 36 R. Nac. Arcangel-San Gabriel: SS: tlk abt Argentina; request for rpts; QRN increased at 0020; no EE hrd (353 3/19 Muzyka-NY)

A U S T R A L I A R. Australia
 5995 0805 RA: EE: US pop mx; local nx (333 3/19 Van Horn-TX)
 9580 *1200 RA: EE: wld and lcl nx; "week in Science"; "Four Corners"; jazz and rock mx (444 3/18 Cox-CA)(454 4/4 Szabo-KS)(Bowden-CA) (Fleischaker-KY)+2
 9680 0840 VLH9: EE: interview w/scientific crew who just returned from a trip to Antarctica.(322 3/18 Thim-CT)
 11720 1300 RA: EE: nx: Jihad Moslem group circulates story abt threatening letters it sent to foreign embassies in Djakarta(353 3/23 Bowden-CA) +1
 11790 1430 RA: EE: request for rpts on this new freq to India; wld nx; tlk on smuggling birds into and out of Australia (443 3/17 Chickereil-WV) (444 3/13 Wimmers-VA)(444 3/15 Valentine-CA)
 11800 1359 RA: EE: Melbourne stock exchange closing prices; Letters to the Editor; "Australian Insight" (353 4/5 Sampson-WI) (252 4/3 Bingham-MA) at 1335 in JJ: rock mx; ID into EE nx at 1400 (323 3/27 Dillon-PA)
 12291SSB 0732 RA: EE: RA Feeder (333 3/25 McKeon-IN)
 15160 0620 RA: EE: pop mx; tlk on "Academy Awards Tonight"; // freqs 15240, 15320, 15415, 17795 (444 4/10 Garrett-CA)
 15165 0630 RA: EE: mx; world nx at 0700 (544 3/30 Klosowski-FL)
 15230 0620 VLH15-Lyndhurst: EE: OM & YL w/short story (323 3/25 Berri-CA)
 15320 0525 RA: EE: "Talkback" (DX pgm) w/tlks of FM DX'ing and propagation forecast.(444 3/25 Bingham-MA) (433 4/1 Klosowski-FL)
 15390 0524 RA: EE: "Business World" pgm; pop mx; "Talkback" (454 3/25 Schulsinger OH)(344 3/15 McKeon-IN)at 0700 w/QRM de R. Sweden(433 3/15 Wood-S.Ar)
 15425 0722 VLW15-Wanneroo: EE: lt pop/MOR mx w/YL DJ (343 4/10 Garrett-CA)
 17795 0302 RA: EE: nx of Greek cargo vessel being fired upon in Persian Gulf; tlk of new style surfboard; "Letters to the Editor" (3/29 Grosvenor-CA) 444 3/7 Stephenson-CA)(fr 3/23 Harrell-IL)
 21680 0412 RA: EE: world nx, mx; freq not listed in WRTH (322 3/29 Stephenson-CA)

Well, for the first time in a number of months, I was able to include all reported freqs from Australia. There were more contributors to A/O this month but fewer rpts.

G U A M KTWR
 9535 1500 KTWR: EE: "Wesleyan Hour" (333 4/1 Zilmer-NM)
 9590 1300 KTWR: Cantonese: ID, rlg tlk, CC hymns (444 3/4 Wood-S.Arabia)
 11735 1200 KTWR: IS; relig bcst w/YL annrcr (242 3/31 Welch-MA)
 17725 0010 KTWR: EE: tlk of God's love; QRM de VOA 17730 & R. Moscow 17720 (222 3/17 Soomre-MA)

K I R I B A T I R. Kiribati
 9825 0623 RK: EE: YL w/ID as "R. Kiribati"; C&W mx; play "The Count of Monte Cristo"; into Kiribertese lang at 0657. (333 3/14 Talbot-ALB) I rcvcd this rpt after typing my comments on page one. It's good to see they have an EE bcst. Things seem to be picking up-SWBC wise-in the Pacific.

M A R I A N A I S L A N D S KFBS; KYOI
 11900 1050 KYOI: EE/JJ: all rock mx; IDs in EE & JJ; vy gd level on East coast. (454 3/28 Blanchette-FL)(433 3/30 Dillon-PA)(454 3/30 Leite-MA)
 15110 1728 KFBS: JJ: test xmsn w/ID, mx, freq info and addr(454 4/1 MacGibbon-OR)
 15115 0901 KFBS: EE/JJ/KK: test xmsn (100KW); ID in all 3 langs; Address given as: P.O. 209, Saipan, CM 96950. s/off 1059(444 1/4 Kosugida-JP)
 15190 0702 KYOI: EE: rock mx by Toto & others; ID (333 4/10 Garrett-CA)

N E W C A L E D O N I A R. Noumea
 7170 0800 RN: FF: various styles of mx incl rock, disco, & reggae; FF ID (443 3/22 Selvey-MA)(Dillaman-OH)(Blanchette-FL)(Garrett-CA)(Van Horn-TX)

N E W Z E A L A N D R. New Zealand
 11960 0637 RNZ: EE: BBC Transcription svc; pop mx; cricket nx; piano and oldies mx; wx (433 3/16 Lord-CA)(McKeon-IN)(Berri-CA)(Thim-CT)(Selvey-MA)
 15485 0512 RNZ: EE: relig pgm; OM broke in to annrc freq shifts to 9 & 11 Mhz; then abrupt 0516 s/off (353 3/25 Schulsinger-OH) A rpt on the 4/6 bcst of Media Network stated that the 0530 to 1215 GMT xmsn has been changed from 6105 to 9520 khz. RBT
 17705 0250 RNZ: EE: concerto of clarinet w/orchestra; "Music for Pleasure" pgm; nx and wx; 17705 and 15485 closed down at 0515 and 11960 on at 0515. (423 3/20 Grosvenor-CA)(243 4/2 McKeon-IN)(Speer-CA)(Stephenson-CA)

P A P U A N E W G U I N E A
 4899.6 0940 NEC Port Moresby: EE: tape of "Report from Asia" from R. Australia; ID at 0959 into radio drama. (444 3/18 Miyauchi-JP)

S O C I E T Y I S L A N D S R. Tahiti
 11825 0700 RT: FF: wld nx; R&B and Tahitian mx; ID & sked in TT; TT anthem; FF anthem and 0730*(454 3/19 Van Horn-TX)(Dillon-PA)(McKeon-IN) +1
 15170 0430 RT: FF/TT: island and rock mx, ID; // 11825 (343 3/27 Selvey-MA)(233 4/10 Garrett-CA)(444 3/14 Wood-S.Ar) at 1620 w/wld nx in TT and disc. of US elections in FF; ID in TT w/drums(434 3/14 Lord-CA)

S O L O M O N I S L A N D S SIBC
 9545 1130 SIBC: ER/PD: rock mx requests; nx; TC and ID "SIBC, R. Hapi Isles"; s/off at 1300.(232 3/25 Welch-MA)(Berri-CA)(Miyauchi-JP)

V A N U A T U R. Vanuatu
 7260t 0745 RV: lang: OM w/tlk but no ID hrd; hvy static and fading (221 4/10 Garrett-CA)

CLANDESTINE
 7570 1341 V. of People of Burma: lcl/CC: OM w/lcl lang tlk; YL w/CC tlk; Intl ID as "Mian-dian ren min zhi sheng guanbo diantai." Xmt'r site presumed inside China near the Burmese border.(232 3/13 Nishimura-JP)

Late arriving report: NSB Japan
 9595 0830 NSB: JJ: nx, tlk pgm fed from R. Canada Intl via satellite (15 min. pgm every Saturday). RCI states that the new pgm guide issued in May will include the JJ lang. (555 4/7 Yamada-JP)

I'll take this opportunity to welcome our new Business Mgr., Jack Sanderson aboard the SPEDX bandwagon. I' looking forward to working with him in the future and am sure he will continue the same fine job performed by the out-going BM, Don Johnson!
 Also thanks to all who have contributed to the A/O column the past five months. Why don't we fool the experts and keep those reports flooding my mailbox during the up-coming so called "slow DX season"? Have a merry, merry month of May and enjoy the warm weather.

75's
 Bob

QSL

REPORT



ANNEE MONDIALE DES
COMMUNICATIONS
WORLD COMMUNICATIONS
YEAR
AÑO MUNDIAL DE LAS
COMUNICACIONES



1983

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AIR MAIL
BY AIR MAIL

VIA AEREA

Hello, and welcome to the May 1984 QSL report. It is raining out now, and now, and has been for a few days. I sure hope that these April showers have brought the May flowers by the time you read this! I am trying something new this month to break up the monotony of the same format every month. I am not going to break up the countries by continent, but will alphabetize them. This will NOT become a regular format but comments would be appreciated. So now on to the task at hand...

ALASKA-KNLS-6170, f/d letter in 12d along with station info for ms (Muzyka)
ANTIGUA-DW-6040, 9545, f/d map card in 56d (Unruh-HI). Same in 77d (D'angelo)
Same in 27d (Claytor-OH).

ARGENTINA-RAE-15345, f/d card in 24d with letter and pennant (Harrell-IL).
ASCENSION ISLAND-VOA-21490, f/d 41st Ann. card in 40! Days (Schulsinger-OH).

AUSTRALIA-VW9-9610, f/d map card in 26d for 2 irc (Unruh-HI). That was Wanneroo. VLM4-Brisbane-4920, f/d map card in 30d for 2 irc (Dillaman-OH). Same for same in 21d (Unruh-HI). VW15-14525, Wanneroo, f/d map card in 19d (Campbell-CT). R. Australia-9580, 9770, f/d seals card in 10d for 2 irc (Macrie-??). Forest Kingfisher bird card in 18d for 3 irc (English-TX). Same in 29d (Barto-CT). All those were via Shepparton. 5995 via Lyndhurst, f/d card in 20d (Caceres-NY). Seals card in 21d (Unruh-HI).

AUSTRIA-ORF-5945, 9770, f/d modern art card in 53d (Klosowski-FL). Transmitter card in 60d (Gurley-TX). Veiv card in 55d (Mahoney-FLA). Same in 98d (Blanchette-FL). Futuristic card and 2 stickers in 71d for an irc (OR-Falbo). Nude card in 51d for an irc (Gray-MI).

BANGLADESH-R. Bangladesh-21670, time/freq form letter in 59d for 2 irc (MA-Soomre). V/S-A. Rashid.

BELGIUM-BRT-5910, 17610, 2 f/d cards in 40d (Klosowski-FL).

BENIN-ORTB-4870, f/d logo card in 52d for 2 irc (Gilley-VA).

BOLIVIA-R. Nacional Cochabamba-5974, f/d card in 46d for SS rpt, also recd a DX club sticker. V/S-Rogildo Fontenalle Aragao, Bol. DX Club. (Barto-CT).

BRAZIL-R. Nacional-15290, f/d card in 23d (Blanchette-FL). Same in 23d (Harrell-ILL). Same in 37d for an irc (Falbo-OR). (Also recd sticker). Same in 61d for an irc (Thompson-NM). V/S-Denise Uchoa. R. Aparecida-9635, f/d studio card in 56d for an irc and PP rpt (Wilkins-CO). R. Nac do Boa Vista-4785, Letter from Radiobras saying that the station does not have a staff for verification in 35d for ms (Huffaker-MX).

BULGARIA-R. Sofia-9700, 9665, 11750, Card in 124d (Gammie-MI). Date only card in 110d (Chickerell-WV). f/d mausoleum card in 160d (Gurley-TX). Monument card in 35d (Bingham-MA). Card with date only in 76d (Renn-WA). Date only card in 82d for an irc (Gray-MI). Don't understand the Date only cards here, they usually send f/d ones.

CANADA-CK2N-Newfoundland-6160, f/d folder card in 26d with a sticker (Dillon-PA)/V/S-D. Uttaro. CFRX-6070, Toronto, f/d Airplane card in 40d along with sticker (IRC was returned) (Mendez-NJ). Same for an irc in 30d (Harrell-IL). CKFX-6080, super country card in 12d for \$1 (Gilley-VA). RCI-5960, 17875, RCI/SRI telecom 83 card with stickers in 133d (Chickerell-WV). Same in 118d with RCI pennant (Klosowski-FL). Same in 126d (Hesch-NY).

CANARY ISLANDS-REE-15365, f/d painting card in 31d for 2irc and tri-lang rpt form (Schulsinger-OH).

CHINA-Peoples Rep of-R. Beijing-11650, 11860, card and pennant in 45d (MA-Bingham-MA). Canal card in 21 d along with goodie pack (Gibson-CA). Lake card in 30d (Unruh-HI). Canal card in 42d with goodie pack for 2 irc (Adams-MA). Same in 35d with tape of CC mx for tape rpt (Mendez-NJ).

CHINA-Rep of-V. of Free China-17825, f/d card in 30d with stickers and pennant (Bingham-MA). V of Asia-5980, f/d paper cutting card in 36d for an irc (Wilkins-CO).

COLOMBIA-La Voz Del Yopal-5050, date only form letter in 670d for 2 irc and SS rpt (Parks-FL). V/S-Marco Aurelio Perez, Gerente. R. Macarena-5975, f/d card and letter in 37d for SS rpt (Barto-CT). V/S-Enrique Zambrano Nieto, Gerente.

COSTA RICA-TIFC-5055, f/d logo card in 47d for 2 irc (Van Horn-TX). Also recd a pennant. R. Colombia-4825, f/d Welcome card in 89d for a SS rpt and an irc (Dillon-PA). Same in 35d for SS rpt (Barto-CT).

CUBA-R. Havana-11760, f/d castle card in 190d with s first day covers (WA-Renn).

CYPRUS-CBC-6030, large f/d picture card in 70d for 2 irc (Gilley-VA). Logo card in 106d (Stephany-NY).

CZECHOSLOVAKIA-R. Prague-5930, 21705, costume card in 35d (Soomre-MA). Architecture card in 17d with sticker (Miyachi-JPN). Cottage card in 30d with sticker for 2 irc (Kosugida-JPN). Card in 36d (Bingham-MA).

DJIBOUTI-RTD-4780, date only logo card in 87d for 3 irc (Gilley-VA).

DOMINICAN REPUBLIC-R. Clarin-11700, large card in 83d for \$1. Card was recd in September (Gilley-VA). This is indeed a hard verie to come by Ray.

ECUADOR-HCJB-6095, 9745, 11910, 15155, f/d cards in about a month for no rp from Unruh-HI; Wilkins-CO; Adams-MA; Soomre-MA; for an irc from (Macrie). Some pennants received. R. Splendit-5025, date only letter in 58d for ms and SS rpt (Wilkins-CO). Sistema de Emisoras Atalaya-4792, p/d card in 46d for SS rpt (Barto-CT). CRE-4656, p/d letter in 61d for SS rpt, also recd large blue pennant (Barto-CT). This is a very large pennant, and rather hard to get.

EGYPT-R. Cairo-9475, f/d Mosque card in 71d (Dillon-PA). Palace card in 55d (Bingham-MA). Card in 99d (Abbott-Ill). 12000, f/d card in 72d (Talbot-ATA).

FRANCE-RFI-15300, 17620, f/d 50th ann card in 43d for an irc (Falbo-OR). Same in 53d for an irc (Chickereil-WV). Same in 47d for an irc and FF rpt (Claytor-OH). Pennants also recd.

GERMANY-Federal Rep of-Bayerischer Rundfunk-6085, date/freq 50th ann card in 87d for an irc (Stephany-NY). Sender Freies Berlin-6190, f/d tower card in 34d for an irc (Mahoney-FL). DW-15275, 6085, 7410, f/d cards in 22d (Ct-Barto). f/d card in 90d with pennant (Adams-MA). Same in 50d (Bingham-MA).

GERMANY-Democratic Rep-RBI-Various freq cards in 62d (Adams-MA), Card, pennant, calendar, 9 stickers and magazines in 46d (Falbo-OR). Landscape card in 37d (Gibson-CA). Cards in 29d (Barto-CT).

GHANA-GBC-4915, f/d logo card in one year for 2 irc (Greenbauer-AZ).

GREECE-V of Greece-9420, 9865, 11645, Island card in 50d for 2 irc (Card-RI). Same in 80d (Bingham-MA). Same in 46d (Barto-CT).

GUATEMALA-TGNA-3300, Quetzal Bird card in 63days for 2 irc (Gilley-VA). AWR-Union Radio-6090, f/d AWR card in 71d for an IRC (D'Angelo-PA). Same in 35d for SS rpt and MS (Stephany-NY). Also recd calendars, and letters. V/S-William Colindres-Operations Dir. R. Mam-4825, date/freq form letter in 70d for 2 ircs and SS rpt (Thompson-NM).

HONDURAS-HRVG-4820, f/d logo card in 19d for 2irc (Card-RI). La Voz de la Mosquitia-4910, f/d index card in 60d for ms and SS rpt (Mahoney-FL). Also recd Pennant. R. Luz y Vida-3250, f/d form letter in 84d for ms (Stephany-NY). Letter in 50d for SS rpt (Barto-CT). V/S-Don Moore-Dir.

HUNGARY-R. Budapest-World Communications Year RBSWC Special QSL along with GMT time wheel (Leite-MA). This was the best thing that R. Budapest has ever sent me. (Kanopka-NY). RB has a fairly good SW Club though, and publishes a nice bulletin, worth joining.

INDIA-AIR-4800, Hyderabad, f/d card in 61d (Barto-CT). 11620, storm painting card in 116d for an irc (Renn-WA). 11830, f/d card in 100d (Adams-MA).

IRAQ-R. Baghdad-9610, f/d large card in 4 months for 2 irc-along with a pennant (Thim-CT). Same with stamps in 36d for an irc (Soomre-MA).

ISRAEL-Kol Israel-7410, 9815, Shalom card in 52d for an irc (Mahoney-FL). Children waving flags card in 50d for an irc (Falbo-OR). Card in 52d (Soomre-MA).

ITALY-RAI-9575, 11800, f/d card in 192d (Dillon-PA). Card and pennant in 131d (Szoobo-KS). R. Time-6275, f/d card in 67d (Barto-CT). V/S-Mannelli Stephano.

JAPAN-R. Japan-Cards in about a month from:Thompson-NM; Mendez-NJ; Unruh-HI; Adams-MA; Harrell-IL. FEN-Tokyo-15260, f/d logo card in 19d (Unruh-HI). R. Tampa-6055, date/time orbiting headset?? card in 16d for 2 irc (Unruh-HI).

KENYA-V of Kenya-4934, f/d letter in 28d for 2 irc (Gilley-VA). Handwritten letter in 23d for 2 irc (Mahoney-FL). V/S-H.J.M. Lomos, and he said that the power is 100KW.

KOREA-SOUTH-KBS-f/d card, pennant, and KBS receiving log in 40d (Lois-GA). Same in 18d for an irc (Mahoney-FL). Flag card in 16d for an irc (Falbo-OR). Same in 21d (Welkel-MI). time/freq card in 12d (Unruh-HI). f/d cards and pennant in 24d (Harrell-IL). f/d card in 25d (Draye-S. Arabia). Same in 30d (Schulsinger-OH).

KUWAIT-R. Kuwait-11675, f/d folder card in 30d (Adams-MA). Same in 33d (Welkel-MI).

LEBANON-King of Hope-6215, Logo card in 14d for ms (Muzyka-NY). Also recd bumper sticker and station info. Antenna card in 11d with same goodies (D'Angelo-PA). Same in 36d for US\$1 to israel address (Miyachi-JPN).

LESOTHO-LNBS-4800, f/d flag card in 2 yrs (Leite-MA). Form letter in 720d for an irc (Lord-CA). BBC-9515, usual bridge card in 33 d (Unruh-HI).

LIBERIA-UNR-9715, f/d UN logo card in 7d (Stephany-NY). VOA-15600, f/d card in 9d (Unruh-HI).

LIBYA-R. Jamahiriya-11815, f/d rainbow card in 32d for an irc to Malta Addr. (Mellinger-NJ). Same in 62d (Hodgson-So. Africa).

LUXEMBOURG-R. Lux-6090, date/freq studio card in 20d for 2 irc (Gurley-TX). f/d card via London for an irc in 47d (Gray-MI).

MADAGASCAR-R. Netherlands-11740, f/d painting card in 23d for an irc (Falabo-OR).

MALAYSIA-R. Malaysia-Kuching-4950, p/d letter in 60d for 3 irc, f/d bldg card followed a week later (Mann-IA). Kota Kinabalu-4970, date/freq card and letter in 50d for an irc (Miyachi-JPN). Kuching-7160, f/d bstng house card in 60d for an irc (Talbot-Alt).

MALTA-R. Mediterranean-6110, f/d map card in 120d (Campbell-CT). DW-9590, 11795, f/d map card in 78d (Dillon-PA). Same in 22d (Barto-CT).

MONACO-TWR-7160, f/d Studio card in 60d for 2 irc (Gurley-TX).

MONTERRAT-DW-11705, f/d 50th ann card in 60d (Campbell-CT).

MOROCCO-R. Marocaine-15335, f/d map card in 120d for 2 irc (Adams-MA) v/s-J. Tanane-Dir.

NAMIBIA-SWABC-3295, f/d country road card in 52d for 2 irc (Gilley-VA). f/d view card in 30d for an irc (Huffaker-MX). Aloe Dichotoma card in 23d for 2 irc (Richard D'Angelo-PA). Same in 85d for 2 irc (Greenbauer-AZ).

NETHERLANDS-R. Nederland-Van Gogh card in 27d (Ducos-FR). Test transmission card in 15d (Gurley-TX). Freq was 9895. Same with sticker in 15d (Campbell CT). Building card in 60d (Mendez-NJ). Same in 13d (Harrell-ILL). Same in 61d (Soomre-MA). Same in 35d (McDowell-IL). Painting card in 24d (Draye-S. Arabia). Card in 36d (Hesch-NY). Same in 36d (Blanchette-FL). Same in 12d (Hevern-NY).

NETHERLANDS ANTILLES-TWR-9535, f/d tower card in 14d (Gehring-TX). Same in 130d for an irc and SS rpt (Mendez-NJ). Also recd sticker. Same in 25d for 2 irc (Macrie). Same in 19d for an irc (Gray-MI). Studio card in 51d (Barto-CT). R. Netherlands-6165, 9590, 17605, f/d Van Gogh card in 20d with 2 stickers, calendar (Stephany-NY). Same in 22d (Unruh-HI). Card in 21d for 2 irc (Claytor-OH). Three Personages card in 60d (Caceres-NY).

NEW ZEALAND-RNZ-17705, f/d landscape card in 25d for 3 irc (Unruh-HI).

NICARAGUA-V of Nicaragua-5950, f/d letter in 30d along with pennant, stamps, literature (D'Angelo-PA). Same in 90d along with a sticker (Gehring-TX).

NIGERIA-V of Nigeria-15120, f/d airport card in 308d (Gilley-VA). Same in 11 months for 2 irc (Thim-CT). FRCN-Educational Service-4932, n/d form letter in 81d for 3 irc (Mann-IA). V/S-K C Okafor. Same in 100d (Huffaker-MX). V/S-E.O. Emoruwa. FRCN Ibadan-6050, p/d letter in 40d (Barto-CT). V/S-M.A. Ganiyu, Technical Services.

NORWAY-R. Norway-15180, 17710, traditional dress card in 21d with a sticker for an irc (Falbo-OR). Same with stamps in 34d (Bingham-MA). Same in 15d (Harrell-IL). Same with decal in 23d (Claytor-OH).

OMAN-BBC-15310, Usual bridge card in 34d (Dillaman-OH).

PAKISTAN-R. Pakistan-11670, time/freq card in 58d (Soomre-MA). Karachi-5005, f/d letter in 55d (Barto-CT).

PAPUA NEW GUINEA-NBC-4890, f/d map card in 44d after f/up, 210d total, for 2 irc (dillaman-OH). Same in 52d for 2 irc (Unruh-HI). V/S-Thomas Aiye. I have been trying to get a verie from this station for 2 yrs, I guess my 6 reports have not found themselves to the right person...so it's time for another report, HI...LNK

PERU-R. Del Pacifico-9675, time/freq letter in 28d for ms (Stephany-NY). V/S-J. Petronio Allauca-Depto. de RR. PP. R. Los Andes-5030, f/d plain card with official seal in 62d for SS rpt and ms (Mann-IA). V/S-Pablo J. Cardenas Valverde, Director-Gerente; Jr. Bolivar 529-OF, 201, Huamachuco. R. Madre de Dios-4950, date/time letter in 40d for tri lang rpt and an irc (Huffaker-MX). V/S-Frco Javier Aniz, o.p. R. Nor Peruana-9655, n/d form letter in 82d for SS rpt and tape (Wilkins-CO). V/s-Augusto Roca Garcia, Jefe de Rpc. Date only letter in 35d for an irc and SS rpt (Miyauchi-JPN). Beautiful stamps were also reed.

PHILIPPINES-AFRTS-15305, via Poro, Dept of Defense Seal card in 24d (Talbot-ATA). VOA-Tinang, 17820, 21540, 11715, f/d cards in 20d (Unruh-HI). R. Veritas Asia-Goodie pack w/o QSL in 22d for an irc (Speer-CA). f/d Philippine festival card in ?? days for ¥120 stamps and JJ rpt (Miyauchi-JP).

POLAND-R. Poland-7125, f/d card in 60d (Card-RI).

PORTUGAL-R. Portugal-6075, 9575, f/d fishing village card in 28d for an irc (Falbo-OR). Zoo card in 21d (Gehring-TX). R. Renascenca-9680, f/d card in 26d for PP rpt (Bartp-CT).

ROMANIA-R. Bucharest-5990, f/d foresters daughter card in 120d with pennant (Bingham-MA).

RWANDA-DW-21600, n/d map card in 35d (Schulsinger-OH). Also sticker, stamps.

SAIPAN-KYOI-11900, f/d bird card in 40d (Gurley-TX). ***KFBS***-15125, no data FEBC/KFBS logo card and sked, pocket calendar, sticker in 40d for ms (P.Thompson-CA). Welcome to the column Peggy...lnk

SAO TOME E PRINCIPE-R. Nac-4807, f/d tri lang form letter in 37d for PP rpt and 3 irc (Stephany-NY). V/S-Antonio Sebastiana.

SEYCHELLES-FEBC-15410, date/time letter in 35d for 2 irc (Schulsinger-OH). QSL vas via Norea Radio (WRTVH pg 69) for their 1748-1803 UTC Oromo Pgm via FEBC, Seychelles. Nice work Michael!...lnk

SIERRA LEONE-SLBS-5980, f/d Form letter and personal note apologizing for the delay in 1½yrs! for an irc (Van Horn-TX).

SINGAPORE-BBC-9740, bridge card in 30d (Unruh-HI). Radio One-11940, f/d Singapore skyline card in 19d for 2 irc (Unruh-HI).

SOLOMON ISLAND-SIBC-9545, f/d card and letter in 20d for 2 irc (Gurley-TX). V/S-Martin Hadlow. Same in 21d for an irc (Falbo-OR). Same in 13d for 2 irc (Unruh-HI).

SOUTH AFRICA-R. RSA-9615, f/d Pilgrims Rest Mining Camp card in 25d (HI-Unruh). Same in 22d (Speer-CA). Capital Radio-3930, date/freq card in 4 months (Campbell-CT). Also reed a sticker. Freq only card in 126d for \$1 (Stephany-NY).

SPAIN-REE-9630, 11690, 11880, f/d card in 40d (Bingham-MA). Painting card in 52d (Thompson-NM). Same in 35d with a pennant (Adams-MA). Same with calendar in 37d (Soomre-MA).

SWAZILAND-TWR-3275, f/d Transmitter folder and sticker in 48d for in irc (Stephany-NY).

SWEDEN-R. Sweden-Stop Acid rain cards and other in abt 15d from:Klosowski-FL; Mahoney-FL; Bingham-MA; Gibson-CA; Miyauchi-JPN; Claytor-OH; Brewer-Ark; and a no namer. Some reed radio dial stickers.

SWITZERLAND-SRI-9725, 15125, 21570, studio building card in 28d (Welkel-MI). Studio card in 24d (Harrell-ILL). Same in 19d (Falbo-OR), for 1 irc. Same for an irc (Thompson-NM), in ?? days.

TURKEY-V of T-9560, 11755, 17760, f/d card, decals and pennant in 35d for 2 irc (Adams-MA). Same in 35d (Lois-GA). Same in 49d (Barto-CT).

UNITED ARAB EMIRATES-UAE R.-11730, f/d map card and pennant in 21d for an irc (Wilkins-CO).

UNITED KINGDOM-BBC-bridge card in 53d for an irc (Falbo-OR). VOA-9760, 41st Ann card in 14d (Chickereil-WV).

UNITED STATES OF AMERICA-WINB-15185, f/d card in 30d (Gehring-TX). UNR-15120, UN Radio logo card in 20d for 2 irc (Hani Draye-S. Arabia). VOA-15410, card in 30d (Harrell-IL). National Park card in 28d (Unruh-HI). Freq was 17715 via Grnvle. 9575 via Bethany-Lighthouse card in 9d (Falbo-OR). KGBI-15280, Frisco card in 30d (Gehring-TX). Same in 300d for ms (RI-Card). In 49d (Leite-MA). R. Earth-6185, f/d Curacao card in 19d for \$2 (Draye-S. Arabia).

WYFR-15440, +++++, Anniversary card in 37d for ms (Card-RI). Same with sticker in 66d for ms (Falbo-OR). Same in 55d with pocket calendar (TX-Van Horn). VOFC via WYFR-5985, f/d card and goodie pack in 40d (McDowell-IL). WRNO-Cards from Caceres-NY, Wilkins-Co, Gray-MI, Mendez-NJ, Barto-CT.

USSR-R. Riga-5935, card in 117d along with pennant (Soomre-MA). R. Vilnius-17900, f/d plain white card in 74d and thank you note (Stephany-NY). R. Tashkent-5950, f/d Flower card in 41d (Talbot-ATA). R. Yerevan-4810, f/d white card in 8 weeks (Leite-MA). 17900, same with pennant in 127d (NY-Stephany). R. Kiev-F/d card in 62d with stamps (Mahoney-FL). Same in 66d (Dillon-PA). Also in 54 and 41d (Dillon-PA). Card in 50d No Namer! R. MOSCOW-card and pennant in 40d (Renn-WA). Same in 69d (Talbot-ATA). Same in 52d (Adams-MA). 21560 via Petropavlovsk (Campbell-CT). 6110 via Havana; 7110 via Ivano Frankovsk; 7160, 17880 via Kiev; 7440, 9700, 9450 via Moscow; 9760 via Armavir; 15300 via Tbilisi; 11700, 9570 via Serpuhov; 12050 via Armavir; 9660 via Voronezh (Soomre-MA). ????? via Lvov-Dillaman-OH. 12050 via Khabarovsk (Falbo-OR). 17880 via Irkutsk (Unruh-HI). 15305 via Tbilisi-Dillon-PA. 7180 via Sverdlovsk (Mahoney-FL). 11860 via Vinnitsa (Leite-MA).

VATICAN STATE-Vatican Radio-6015, f/d pope card and stickers in 17d for an irc (Falbo-OR). f/d card in 45d (Barto-CT). f/d 50th Ann card in 30d for an irc (Mendez-NJ). Also recd a sticker and banner for a SS rpt. Same in 150d for SS/II rpt (Mendez-NJ).

VENEZUELA-Ecos del Torbes-4980, n/d map card in 92d for SS rpt and an irc (Dillon-PA). V/S-D. Gonzalez. R. Juventud-4900, f/d studio card in 44d for ms and a SS rpt (Stephany-NY). La Voz del Tigre-3255, date/freq letter in 57d for SS rpt (Barto-CT). R. Nac-9530, date/freq card in 36d for SS rpt (Barto-CT). F/d Hypodrome La Rinconada Card in 125d for SS rpt (NJ-Mendez). Also recd letter, sked, banner, and a sticker. V/S-L.Fernandez and F. Ojrda Diaz.

VIETNAM-Vof V-10040, f/d folder card in 79d (Gilley-VA). Same in 93d with a pennant (Renn-WA).

YEMEN ARAB REPUBLIC-R. Sana'a-9780, date/freq form letter in 93d (Stephany-NY). Same in 90d for 2 irc and SAE (Card-RI). Freq was 4853.

CLANDESTINE and Pirates: USA-Samurai Radio-6225, f/d letter in 41d for ms (D'Angelo-PA). R. Alchemy-7631.5-The Old Gods Waken card in 22d (NY-Stephany). R. Vatan-75555, flag/antenna card in 115d (Stephany-NY). Addr:Interad, U6 12A, D-6800 Mannheim 1, FRG. The printing of pirate and clandestine information is done strictly as a courtesy to members of SPEEDX, and does not mean that this editor, nor SPEEDX support what they do, or represent in any way.

And now it is time for the not shortwave broadcasting, but interesting none-the-less section. This time we have a QSL from SPACE. Yes, Bob Adams from MA has a QSL from W5LFL, Owen Garriott, from his recent 2 metre FM operation from STS-9. Congratulations on this one Bob. Ruth Hesch from NY has gotten a QSL from The Caribbean Beacon, 1610, in 57d for \$1. This is on Anguilla, and it is a shame that it doesn't count for SW country credit. Wish they would get a SW transmitter!

Not much room here, but want to ask everybody who contributes to PLEASE CUT your reporting strips apart. It takes me enough time to sort out the reports, without having to cut apart your reports. It would make my job alot easier. Thank you very much for your cooperation. See you on the last page!!

I hope everyone enjoyed the format change. As I said in the beginning, this is not going to be the regular format, and next month I will go back to the usual layout.

This month we had 66 contributors reporting about 88 different countries. We also had a few new contributors, welcome aboard, and keep up the good work.

Gilfer Associates has published the new edition of the QSL Address Book. It comes highly recommended, giving information about QSLing, and the addresses to many SWBC stations. It also supplies names of verification signers, and also the reliability of obtaining a qsl from the station. It is for beginners and experienced QSL hunters alike. It is \$6.95, and is available from Gilfer Associates, Inc.; P.O. Box 39; 52 Park Ave; Park Ridge, NJ 07656.

Universal Shortwave Radio, 1280 Aida Drive, Reynoldsburg, Ohio 43068, is publishing a directory of DXers. The book is to provide a listing of DXers, to help bring members of the hobby closer. Since many SW clubs stopped publishing membership lists due to the constant changes, this directory should fill the gap. If you wish to be listed, or want more information, write to the above address.

Last month I stated that I was working on a booklet for SPEEDX on Station Potpourri. I requested information on station QSL and pennant policies. I have received some contributions, but would like some more. Please help me and send in what you know about station policies. You will receive membership credit for contributions. Thank you.

The Goodie report form was finally mailed out to those of you who were kind enough to wait for it. If anyone else would like a copy, send me a dime and a SASE, and I will get one off to you. It is for pennants, etc, so that I can make a better listing of station extras, for those who collect them.

While I was asking for contributions to the booklet that I am preparing, I neglected to thank the people that did contribute. So thanks to all of you. Anyone who sent me pennant info this month, I am holding it, and it will go into the booklet. I hope to preparing it next month. Also thanks to Ruth Hesch for the R. Sweden pennant, I didn't have one. I assume that the Brussels Calling Balloon that you have came "air" mail-HI HI!!!

Peter Dillon sends information about a R. Beijing contest on Wednesdays. He says that the prizes are well worth the time to enter, and recommends giving it a try. Thanks Peter, I will.

Lori Klosowski says that some stations have different stickers for each language section. Avid sticker collectors should try the different sections for variety.

Ronald May, and myself are still trying to organize SWL/Hams to meet on the amateur bands. If you are interested, please send me a SASE, and I will send off the information on time, frequency when it is decided. I will also be on 14275 Khz USB plus or minus QRM on MAY 20th at 1800 UTC. I will also try 7275L+-5Khz at 0100 UTC that day-(Day is No. American). And for Novices at 0200 UTC on 7118 Khz CW +-QRM. If you do not hear me calling, then call me, my call is N2EKL.

Now to answer some questions from Anthony Falbo. Tony, the best way to find out which stations don't QSL, or are spotty QSLers is in the QSL Address book that I described above. It is well worth the \$6.95. Cuba and No. Korea are a bit slow in verifying. Cuba, will come through yet, so dont give up. No. Korea may take longer, or may even require a follow up report. They a bit spotty in replying. Do not EVER give up. You don't get rare QSLs by giving up. If you think too much time has passed after you first report, write to them again, mentioning thr first report. Keep doing this until you get a reply, or are satisfied that you have done everything you could to soften them up. Remember, request a QSL kindly, never demand one. Some techniques for getting QSLs from tougher stations are return postage, writing in the native language of the station, enclosing a few gifts for the station staff (Like postcards, stamps, or local travel brochures), sending a SASE, and followup reports, which is probably as important as return postage. Many times letters are lost or overlooked, and this way you are sure that at least one of your letters should have gotten to the station staff. Also never give up, some people have gotten QSLs from reports last sent over 3 yrs ago. SW is full of supprises. Out of room, so best 73 and see you in June!

73 Joe N2EKL

UTILITY SCENE

EDITOR: MIKE CHABAK
6171 E. Bellvue #19
Tucson, AZ 85712

AM RTTY USB ISB
LSB CW FAX A3H

COLUMN
COVERAGE
0-30 MHz
H.P.

The UTILITY SCENE is arranged as "two continuous side by side vertical columns". You read down this left hand column to the last page; return to the first page, then down the right hand column.....

XMSN MODES: A-am., C-continuous wave(CW), F-facsimile., I-independent side band., L-lower side band., M-modulated CW., R-radioteletype., S-single side band., U-upper side band., 3-A3H..

Hello Gang:

Are you interested in the new ICOM IC-R71A ???
Galaxy Electronics is making a special offer to Speedsters of \$684.50 (which includes free insurance & shipping). This offer is good through 31 May 84.... (telephone 216-376-2402)
GALAXY ELECTRONICS - Box 1202 - 67 Eber Ave. - Akron OH 44309

*** Bob Leary of Galaxy is now editing a HF Utility column for the regional scanner club, ALL OHIO SCANNER CLUB. If you're a midwest scanner buff, &/or a HF ute looking for another club, why not check it out.... A sample bulletin is available for \$1.00 plus .20 postage.
THE ALL OHIO SCANNER CLUB - Dept GE - 1043 Princewood Avenue - Dayton OH 45429

*** Publications: Universal has come out with revised editions of Joerg Klingenfuss's "Guide to RTTY Stations", and "RTTY Code Manual". A new Klingenfuss publication is, "Guide to Former Utility Transmissions." This lists by freq, stations heard since the 1960s - plus call letter index. All 3 books are now in a 6.5 x 9.5 size.
Write Universal Shorewave for prices, or Joerg direct, if you on the other side of the pond.... Universal has also come out with, "ShortWave Log," by Fred Osterman. This is similar to what Joerg does, in that it is what Fred has personally logged (voice, CW, RTTY, FAX) during the past few years. Logs are presented in 3 formats, by frequency, country, and by mode/time. Computer printed, 170 pages, 8.5 x 11 size, covering 2400 receptions. If you want to see what a pro logs and the data setup he uses, then check this out. You can order ShortWave Log - \$9.95 plus \$1.55 postage or obtain a publication rundown on this and the above from:

UNIVERSAL SHORTWAVE RADIO - 1280 Aida Drive - Reynoldsburg OH 43068

**** NORTH AMERICA ****

AK...: 6506.4 U 0920 NOJ-CG Kodiak c/g Charlie 7 Uniform (NAP-AL)
10048 U var. Anchorage Aero wkg Clipper 11/Northwest 1(JCH) (PAT)
11176 U var. AKAS- Elmendorf AFB wkg MAC 79831/ALTUS 59(CC-DE)

CAN.: 2182 U 0155 VAR- St. John CGR. Mayday relay/aircraft (LSD-NJ)

16460.0 U 2137 W/V FORMOSA wkg LFL Gen. Pacheco MARCO (JRJ-MS)
16587.1 U var. KICP-OGDEN CHAMPTON/WAPA-EXXON BATON ROUGE wkg KHT(JRJ)
16587.1 U 0230 WVFZ - PRES. MCKINLEY wkg WHEN-PRES. WASHINGTON (BPS-CA)
16587.1 U 1522 BXKD - SAN JUAN wkg WDA (JRJ-MS)
16593.0 U 1528 WHMK - EXXON BALTIMORE wkg KHT (JRJ-MS)

**** AIRCRAFT ****

2899.0 U 0545 CLIPPER 25 with special msg to Shanwick (IAC-WD)
3016.0 U 0219 MAC 60162 wkg Santa Maria (CC-DE)
3046.0 U 0952 CAN RESCUE 5459 wkg CANMIL Halifax (LSD-NJ)
5574.0 U var. MAC 50278/HAWAIIAN 910 HEAVY wkg San Francisco (JDW-MN)
5616.0 U 2310 CG 2115 wkg New York Aero (IAC-WD)
5628.0 U var. UNITED 150/NORTHWEST 18 wkg Anchorage (JDW-MN)
5643.0 U var. SOUTH PACIFIC 710/CLIPPER 812 wkg Nandi (JDW-MN)
5696.0 U 0240 CG 2130 wkg CGAS Traverse City (MLH-OH)
5696.0 U var. CG 1478/1492/1486/2131 wkg NMG (MLH-OH)
5696.0 U var. CG 2106/1490/2117/1394 wkg CG Boston (MLH-OH)
5696.0 U var. CG 2107/1355/1503 wkg NNM (MLH-OH) (JCH-WD)
5696.0 U var. CG 1489/2135/1702/1479 wkg NMA (MLH-OH) (IAC-WD)
6750.0 U 0219 MAC 46022 P/P Torrejon via Croughton (CC-DE)
6750.0 U var. MAC 50269/MAC 60157 P/P Via Lajes (CC-DE)
8101.0 U 2306 MAC 00452 P/P via Incirlik (CC-DE)
8825.0 U 2334 IRAQI 02 - wkg Gander (JDW-MN)
8855.0 U 0322 MAC 40630 wkg Bellem & Paramaribo (CC-DE)
8864.0 U var. TIGER 5168/ TWA 753 wkg Gander (JDW-MN)
8867.0 U var. CLIPPER 816/ MAC 60130 wkg Honolulu (JDW-MN)
8903.0 U var. MAC 40605/PHILIPPINE 106 wkg Honolulu (CC-DE)
8918.0 U 1840 CG 1700 wkg New York Aero (RWF-WF)
8942.0 U 1704 GARUDA 898 c/g Manila Aero. (BPS-CA)
8984.0 U 0030 CG 2136 wkg CGAS Opa Locka FL (MLH-OH)
8984.0 U var. CG 1501/1477 wkg NMG (MLH-OH)
8984.0 U var. CG 1468/1421 wkg CG Miami (MLH-OH)
9018.0 U 2205 NAVY 50515 wkg Andrews AFB (TT-MI)
10066.0 U 1553 CALEDONTIAN 381 wkg Calcutta (BPS-CA)
10096.0 U 0112 MAC 40644 wkg Bellem Aero (CC-DE)
10780.0 U var. NASA 4/CG 2109 c/g/wkg Cape Radlo (SSSUp) (LSD-NJ)

11176.0 U 2250 MAC 60140 p/p via Incirlik (CC-DE)
 11179.0 U var. CANMIL 4489/MAC 50271/80212 wkg MacDill(CC)(JMW)(IAC)
 11283.0 U 0346 UNITED 124 wkg San Francisco (20-CA)
 11300.0 U 2352 MAC 60162 wkg Kharطوم (CC-DE)
 11300.0 U 0049 MAC 60149 wkg Nairobi (CC-DE)
 11342.0 U 1414 DELTA 14 wkg Atlanta LDOC (JDM-MN)
 11396.0 U 1704 NIUGINI 11 wkg Ujung Pandang (BFS-CA)
 11396.0 U 1032 BRUNEI 746 wkg Jakarta (BFS-CA)
 13205.0 U 0028 KENYAN 124 wkg Nairobi LDOC (CC-DE)
 13214.0 U 1026 AREYAV 1015 wkg Croughton AB (CC-DE)
 13306.0 U 2210 NAVY ZULU VICTOR 76 wkg New York Aero (IAC-MD)

*** TACTICAL ***
 3116.0 U 0346 AIR FORCE ONE p/p CHOWN/AFOC via Andrews (LSD-NJ)
 5692.0 U 2307 MERCURY 8 wkg MARY ALFA PAPA (JCH-MD)
 5696.0 U 0422 BEAVER CONTROL wkg CG 1453 via NMC (JCH-MD)
 5810.0 U 1058 PEAPOD 02 wkg VARIETY 1 (SSS-up) (LSD-NJ)
 6506.0 U 0026 XRAY JULIET wkg NOVEMBER OSCAR (RPD-NJ)
 6683.0 L var. AIR FORCE TWO wkg Andrews (TT-MI)(IAC-MI)(RM-IL)
 11396.0 U 1704 NIUGINI 11 wkg Ujung Pandang (BFS-CA)
 6683.0 L 1815 SPAR 76 wkg Andrews AFB (TT-MI)
 6697.0 U 0248 PUMP BRAKE clg UNIFORM BRAVO 120 (TT-MI)
 6705.0 U 0057 AVALANCHE 2076 p/p via CANMIL Trenton (MDC-NY)
 6715.0 L var. SAM 31683/SAM 501 wkg Andrews (LSD-NJ)(IAC-MD)
 6730.0 L 0141 SAM 27000 wkg Andrews AFB (LSD-NJ)
 6730.0 U 0421 BIRD NEST wkg Andrews (RAL-0H)
 6738.0 U 1412 SAM 86970 p/p via Andrews (RAL-0H)
 6740.0 U 0818 ECHO 4 UNIFORM wkg GOLF 8 TANGO(Crosstell Ex.)(IK-UK)
 6904.0 L 0327 KILGORE clg TORREADOR (TT-MI)
 7500.0 U 1445 RANGER BASE wkg RANGER ONE (TT-MI)
 7891.0 U 0525 ALFA SIERRA wkg NOVEMBER 9 INDIA (DB-AR)
 8101.0 U 1732 FLASHER wkg WAR 46 (CC-DE)
 8101.0 U 1338 WINDER wkg MAVEN (LSD-NJ)
 8101.0 U var. CONSTRUCT wkg RED BREAST, EQUALITY, REMEDIAL (CC-DE)
 8967.0 U 0355 EXALT wkg Elmendorf with RITTY test (RAL-0H)
 8993.0 U 0225 GULL 21 wkg MacDill AFB (BLA-PA)
 9006.0 U 0211 AVALANCHE EXPRESS 2230 wkg KING BIRD (LSD-NJ)
 9007.0 U 1326 SAM 24130 wkg Andrews AFB (LSD-NJ)
 9014.0 U 1238 SAM 86970 wkg Andrews AFB (LSD-NJ)
 9018.0 U 0204 SAM 26000 wkg SAM 27000 (LSD-NJ)
 9023.0 U 1945 GUNSHOP wkg PARADISE (LoC-NV)
 9026.0 L var. SAM 31682/24130 wkg Andrews AFB (RAL-0H)
 9032.0 U 1508 INFINITY wkg END GATE (JDM-MN)
 9270.0 L 1300 SAM 24130 wkg Andrews AFB (LSD-NJ)
 10780.0 U 1641 AGAR 27 wkg AGAR 25 (LSD-NJ)

VCG- Riviere au Renard CCR- no t/c ann (MDL-ME)
 VCM- St. Anthony OGR. - WX b/c (PAC-UK)
 CHU- CNMIL Ottawa (MC-ONT)
 CFH- CANMIL Halifax wkg a/c 8013 (IK-UK)
 VAI- Vancouver MARCO - V mkr (RG-KS)
 CKN- CANMIL Vancouver - V mkr (ERN-NM)(MLH-0H)
 CKN- CANMIL Vancouver - CQ mkr (FB-FRG)
 10645.0 C 2030 CFS- CANMIL Halifax - NAMS mkr (FB-FRG)
 12873.0 C var. VCS- Sydney MARCO - CQ/AMVER mkr (ERN-NM)(JB-PA)
 15035.0 U 1950 CUX- CANMIL St. John's - Aero WX (RWF-ME)
 17175.0 C 2119 VAI- Vancouver MARCO - V mkr (ERN-NM)
 4292.0 C 0424 XFP- Chetumal MARCO - CQ mkr (LVH-TX)
 8470.0 C 0135 XFL- Mazatlan MARCO - CQ mkr (GLT-NM)
 12844a C 2250 XFC- Cozumel MARCO - CQ/BSW mkr (RMA-NA)
 16927.0 C 0245 XFE- Sindenale MARCO - CQ mkr (GLT-NM)
 2500.0 A var. WWV- SFPS Ft. Collins//5-10-15 MHz (MC-ONT)
 2670.0 U 0040 NWA10- CG Mayport FL - drifting vessel msg(MJH-0H)
 4780.0 C 0530 WGY912- FEMA Mt. Weather - 4 ltr sps (RUR-KS)
 5529.0 U 0605 Houston LDOC wkg Boeing 258 Alfa (JCH-MD)
 5574.0 U 0831 San Francisco Aero wkg New Zealand 84 (JMN-CA)
 5616.0 U var. New York Aero wkg TWA 840/754/904/740 (IAC-MD)
 5692.0 U 1431 NOP- CGAS Brooklyn NY wkg ??? (ECM-VA)
 5692.0 U 0424 NOR- CGAS San Diego CA - wkg CG 1433 (ECS-NA)
 5696.0 U 0105 NWN- CG Portsmouth wkg CG 1501 (WJS-ONT)
 5696.0 U 1957 NOT- CGAS Traverse City MI wkg CG 2121 (JCH-MD)
 6219 U 2117 WDC- Greenville MS INMAR clg Senator Eastland(JRU)
 6604.0 U 2341 New York VOLMET (HD- SO AF)
 6506.4 U 0054 NMF- CG Boston wkg CG Active (NRP-AL)
 6506.4 U 1138 NNN- CG Portsmouth - Marine WX (MC-ONT)
 6925.4 C var. KKN50- USDOS Wash DC- GRA/t/c (GLT-MN)(MLH-0H)
 7185.0 L var. WAMNAM- RAM relay of Space Shuttle comms (LJC-NV)
 8012.0 C 0314 KKN50- USDOS Wash DC - GRA/GSX mkr (WSH-NC)
 8502.0 C 0115 NIK- CG Boston - Ice patrol b/c (AJA-VA)
 8765.4 U var. NWN- CG Portsmouth - Marine WX (AJA-VA) (20-CA)
 10399a M 2310 WFIT7- AP New York - GRA/MC mkr (AJA-VA)
 11104.0 L 1328 Cape Radio wkg Dishpan(SSS-up) (LSD-NJ)
 11180.0 L var. AFA3- Andrews AFB wkg SAM 24130/31683 (JCH-MD)
 11182.0 U 1630 AFG37- Scott AFB wkg Thunder Fist (IAC-ND)
 12432 U 1616 WJFJ- Miami FT clg m/v Fred H. Phillips (JRU-MS)
 13011.0 C 1658 WNU44- Slidell MARCO - CQ mkr (JB-PA)
 13113.2 U 1645 NMC- CG San Francisco - NWS b/c (WJS-ONT)
 13330.0 U 2039 Universal(Houston) LDOC wkg a/c 1707 Zulu (JCH-MD)
 17940.0 U 1653 Houston LDOC wkg Air Force N3456F (IAC-MD)
 19480.0 S 2130 VOA Greenville Feeder in FF (DK-CA)

CAN.:

MEX.:

USA.:

USA.: 20876.0 L 2046 KFK92- AURA Tucson AZ wkg X08AF1 Chile (RM-IL)

*** CENTRAL AMERICA ***

BELZ: 13950.0 U 2109 WFLD5- USMAG Belize City p/p via AHF4 (LVH-TX)
COSM: 13100.0 C 0733 TIM- Limon MARCO - CQ/QSK mkr (BFS-CA)
13950.0 U 2049 T12USA- USMAG San Jose - p/p via AHF4 (LVH-TX)
ESAL: 13950.0 U 2045 Y510KE- USMAG San Salvador- p/p via AHF4 (LVH-TX)
GUAT: 13950.0 U 2031 TDMG3- USMAG Guatemala City- p/p via AHF4 (LVH-TX)
PANR: 17128.5 C 1534 HPN60- Canal MARCO - CQ mkr (MLH-OH)
18019.0 U 1913 AHF3- Albrook AB wkg MAC 70010 (JCH-MD)
22412.4 C VAR. HPN60- Canal MARCO- CQ mkr (JK-MV) (GLT-NN) (ECS-MA)

**** CARIBBEAN ****

ANTG: 10780.0 U 1658 Antigua Radio r/c Cape Radio (SSSUP) (LSD-NJ)
BARB: 8449.3 C 2306 BFO- Csw Bridgetown MARCO - DE mkr (AJA-VA)
CUBA: 0447.0 C 0145 CLK- Nuevitas MARCO - V mkr (MSH-NC)
17165.0 C 2113 CIA- Havana MARCO - CQ mkr (BRN-NM)
22395.0 C 1841 CLN- Havana MARCO - t/c list (MLH-OH)
GLT.: 20998.0 U 1758 NNNMGB- USN MARS Gilmo p/p NNNMQU (BGM-VA)
GREN: 8919a C 0440 J3R- unid sta - V/QSK mkr (AJA-VA)
MART: 6388.3 C 0443 FUF- FF NAVRAD Ft.de France - v mkr (JK-MV)
NETA: 8694.0 C 0140 PJC- Curacao MARCO - CQ mkr (GLT-NN)
P.R.: 5649.0 U 0255 San Juan Aero wkg KLM 642 (IAC-MD)
8471.0 C 0620 NMR- CG San Juan - DE mkr (FB-FRG)
8741.1 C 0313 NMR- CG San Juan - AMVER b/c (MLH-OH)
TRIN: 8855.0 U 0442 Piarco Aero wkg Air France 1345 (JCH-MD)

**** SOUTH AMERICA ****

ARGN: 8646.0 C 0540 LED44- G.P.R., Buenos Aires - V mkr (DB-AR)
12706.8 C 1645 LST- Buenos Aires MARCO t/c to Lisbon (RMA-FRAN)
17045.6 C 2245 PFD46- G.P.R., Buenos Aires - CQ mkr (GLT-NN)
17191.0 C 2019 LSA- Boca MARCO - V mkr (JK-MV)
BRZI: 8460.5 C 0058 PFF- Juncao MARCO - V mkr (FB-FRG)
8855.0 U 0454 Porto Velho Aero wkg a/c 125 (JCH-MD)
8855.0 U 0504 Belem Aero wkg Paramaribo Aero (JCH-MD)
8855.0 U 0424 Recife Aero wkg Caledonian 663 (JCH-MD)
10096.0 U 0311 Rio de Janeiro Aero wkg Springbok 206 (CC-DE)
17161.9 C VAR. PFO- Olinda MARCO - V mkr (GLT-NN) (PAC-UK)
22420.0 C 0005 PPR- Rio de Janeiro MARCO - V mkr (FWB-NJ)
CHIL: 8558.0 C 0107 CCV6- Valparaiso NAVRAD- V mkr into WX (LVH-TX)
9531a C 0804 CCS- Santiago NAVRAD - V mkr-haironic/c (BFS-CA)
12661.8 C 0333 CCS- Santiago NAVRAD - V mkr (LVH-TX)
COLO: 8855.0 U 0502 Bogota Aero wkg Manaus Aero (JCH-MD)
12851.9 C 0227 HCC- Buenaventura MARCO - V mkr (JK-MV)
12925.0 C 2147 HKB- Barranquilla MARCO - CQ mkr (ERN-NN)
17045.6 C 0130 HCC- Buenaventura MARCO - DE mkr (GLT-NN)

10780.0 U 1318 DISHPAN wkg Cape Radio (LSD-NJ)
10780.0 U VAR. PRAPOD 01 wkg RANGE CONTROL/VARIETY 1 (SSSUP) (LSD-NJ)
10806.5 U 2300 YANKEE 85 wkg ECHO 3 GOLF/ECHO 4 PAPA (CC-DE)
11104.0 L 1342 DISHPAN p/p via CAPE RADIO (LSD-NJ)
11118.0 U 2018 RACE CAR wkg WAR 46 (BLA-PA)
11118.0 U 1640 MILE POST wkg DECLARE/CARD GAME/ SAFE CALL (CC-DE)
11118.0 U 2120 ANCHOR 1 BRAVO wkg Andrews AFB (MT-MI)
11176.0 U 1325 BEHOLD c/g TAOHE 25 (FB-FRG)
11176.0 U 0442 AIR FORCE 8057 wkg Andersen AFB Guam (JCH-MD)
11176.0 U 2021 ASCOT 2163 wkg Ascension AB (CC-DE)
11176.0 U VAR. OTIS 84/D0BBI 53855/MARTY 18 wkg Croughthon (CC-DE)
11176.0 U 1701 JFOYCE 44 p/p Discard via ALBROOK AB (CC-DE)
11179.0 U 1630 SPY 98 wkg a/c #276 (FB-FRG)
11179.0 U VAR. FORCE 39/RASCO 95 p/p via Macdill AFB. (CC-DE)
11180.0 U 0320 SAM 50515 wkg Andrews AFB (BLA-PA)
11182.0 U VAR. COT 14/RAT 25/JOYCE 91 wkg Scott (CC-DE) (IAC-MD)
11243.0 U 2351 PHOTO 36 wkg BANNER CONTROL via REBOUND (WDC-NY)
11246.0 U VAR. OTIS 13RELIC 51 wkg Macdill (CC-DE) (JDM-MN)
11249.0 U VAR. SPAR 60 wkg Andrews AFB (BLA-PA) (RAL-OH)
11249.0 L VAR. AIR FORCE TWO/SAM 24129 wkg Andrews (BLA-PA) (RAL-OH)
12075.0 U 1610 JULIET DELTA 238 p/p Andrews via New York Aero (JDM-MN)
13211.0 U 1508 FANTRAIL wkg LONG HAND (RMA-IA)
13247.0 U VAR. SAM 12492/31681 wkg Andrews AFB (RAL-OH)
15015.0 U VAR. AGAR 12/SAM 30151/SAM 12490 wkg Albrook (CC-DE)
15015.0 U 1518 KING 23 wkg Ascension AB (CC-DE)
15048.0 L 2210 SPAR 76 p/p SHAPE via Andrews AFB (TT-MI)
18009.0 L 1918 DISHPAN wkg FISHER (LSD-NJ)
18018.0 U 1622 ASCOT 2167 wkg Architect (CC-DE)
18666.0 U VAR. ATLAS wkg SWORDFISH 01 & 02 (LVH-TX)
18666.0 U VAR. ATLAS wkg BRONCO 05/SUNDANCE 300 (JFH-MA) (RAL-OH)
19303.0 L 1915 DISHPAN wkg FISHER (LSD-NJ)
**** NUMBERS ****
9000-27MAR-9267-A-EY-5dd (FWB-NJ) 0535-22MAR-4050-A-SY-5d (JMN-CA)
0000-22MAR-11532-A-SY-4d (PAT-CA) 0535-23FEB-6665-A-SY-5d (IAC-MD)
0123-31MAR-9074-A-SY-4d (RM-IL) 0538-24MAR-4030-A-EY-5L (FWB-NJ)
0133-15MAR-10570-A-SY-Xd (JEB-CA) 0604-25MAR-8057-A-SY-5d (AJA-VA)
0200-24MAR-8873-M-XX-5L (FWB-NJ) 0607-15MAR-8057-A-SY-5d (AJA-VA)
0200-31MAR-8873-M-XX-5L (FWB-NJ) 0621-11MAR-6890-A-SY-5d (AJA-VA)
0200-02APR-5812-A-SY-4d (RM-IL) 0621-15MAR-6890-A-SY-5d (AJA-VA)
0210-26MAR-4670-A-SY-4d (JK-MV) 0621-25MAR-6890-A-SY-5d (AJA-VA)
0215-08MAR-8188-A-CY-5dd (TT-MI) 0630-04MAR-6890-A-SY-5d (AJA-VA)
0219-13MAR-4670-A-SY-4d (WUS-ONT) 0631-17FEB-9360-A-SO-2d (TT-MI)

ECUA: 13950.0 U 2054 HSU1- USMAG Quito - p/p via ANP4 (LVH-TX)
 URGY: 16871.3 C 2145 CWA- Cerrito MARCO - CQ/QSX mkr (RWA-IA)
 VENE: 8955.0 U 0450 Maquetita Aero wkg Placoz Aero (JCH-MD)
 6100.0 A var. YVTO- SFTS Caracas (JMN-CA) (FW-MI)

**** EUROPE ****

BELG: 8989.0 U 0909 Air Force Brussels wkg uid a/c (IK-UK)
 13067.0 C 1450 OSTP/42- Oostende MARCO - V mkr (SM-JPAN)
 BUL.: 8532.0 C 2145 LZM- Varna MARCO - ? mkr (RMA-FRAN)
 22344.0 C 1440 LZM7- Varna MARCO - CQ mkr (AJD-JN)
 DEN.: 12329.0 C ----- OVG8/12- Frederikshaven NAVRAD - V mkr (AJA-VA)
 12916.5 C 0132 OXZ- Lynby MARCO - Danish IX to ships (RM-IL)
 ENG.: 3435.0 C 0335 GYA- London NAVRAD - ID mkr (LVH-TX)
 4301.0 C 0445 GYC- London NAVRAD - V mkr (FWB-NJ)
 4722.0 U 0509 MVU- West Drayton VOLMET (IAC-MD)
 5535.0 U 0313 Speedbird London IDOC wkg Saudi 478/021 (JCH-MD)
 5689.0 U 1450 Plymouth Rescue wkg Edinburgh Rescue (IK-UK)
 6379.5 C 0522 GKB3- Portlisshead MARCO - DE mkr (HG-KS)
 6738.0 U 0302 Architect (RAF) with coded WX (JCH-MD)
 8559.5 C 2145 GKB4- Portlisshead MARCO - DE mkr (RWA-FRAN)
 11176.0 U 2000 AJE- Croughton AB wkg MAC 50230 (JCH-MD)
 11200.0 U var. MVU- West Drayton VOLMET (JFH-MA) (JAP-AL) (LVH-TX) (RED-NJ) (IAC-MD)

FIN.: 11204.0 U 1915 Architect (RAF) wkg Foxtrot g Bravo (JCH-MD)
 13085.0 C 2200 GKP- Portlisshead MARCO - DE mkr (DB-AR)
 17231.0 C 2018 GKO- Portlisshead MARCO - DE mkr (BPS-CA)
 22503.2 C 1438 GFG- Portlisshead MARCO - tfc with ?? (JK-WV)
 22396.0 C 1444 OFJ- Helsinki MARCO - QSX mkr (GLB-FL)
 2607.0 C 0335 FUG- Toulon NAVRAD - CQ mkr (RWF-ME)

FRAN: 4313.0 C 2200 FUG- Castelnaudry NAVRAD - tfc list (RMA-FRAN)
 5237.5 C 0958 FDC- FF AF Metz-Frescaty - V mkr (FB-FRG)
 8453.0 C 2305 HMN- Paris NAVRAD - V mkr (AJA-VA)
 8522.5 C 0412 FFL4- St. Lys MARCO - CQ mkr (ECS-MA)
 8666.0 C var. FUG3- Castelnaudry NAVRAD - V mkr (JEB-CA) (RG-KS)
 13078.0 U 2153 FFL61- St. Lys MARCO - FF/OM/VN (JFF-MA)
 17027.0 C 1658 FEL8- St. Lys MARCO - CQ/QSX mkr (AJA-VA)
 17317.0 U 1710 St. Lys MARCO - FF/OM/VN (JRU-MS)
 22674.0 U 1700 St. Lys MARCO - FF/OM/VN (JRU-MS)
 11187.0 U 2024 DHM91- CG AF ?? - wkg Lima Bravo November (JCH-MD)
 11233.0 U 1616 DHM95- CANMILL Lahrb- wkg a/c 2238 (RWF-ME)
 13028.0 C 1703 DAL- Norddeich MARCO - V mkr (JB-PA)
 13231.0 U 0910 AJF7- Rhein-Main AB - WX b/c (RB-FRG)
 17048.0 C 1854 DAF- Norddeich MARCO - V mkr (BPS-CA)
 17907.3 C 1548 Y5M- Reugen MARCO - CQ mkr (MLH-OH)
 22481.0 C 1623 Y5M- Reugen MARCO - DE mkr (JK-WV)

0243-26MAR-111114-C-XX-5L (FWE-NJ)
 0246-02APR-4670-A-SY-4G (RM-IL)
 0300-02APR-4670-A-SY-4G (RM-IL)
 0304-02APR-7525-A-SY-5G (RM-IL)
 0309-08MAR-5413-A-EY-3/2d (TT-MI)
 0313-19MAR-4668-A-SY-4G (FWE-NJ)
 0325-01APR-3298-N-XX-XX (PAT-CA)
 0330-14MAR-4440-A-SY-5G (BLA-TX)
 0400-01APR-3767-A-RV-5Gd (FWE-NJ)
 0421-03MAR-4779-N-XX-2A (BLA-TX)
 0450-14MAR-6890-A-SY-5G (AJA-VA)
 0452-04MAR-6890-A-SY-5G (AJA-VA)
 0455-18MAR-6890-A-SY-5G (AJA-VA)
 0503-31MAR-3242-A-SY-5G (BLA-TX)
 0514-04MAR-8057-A-SY-5G (AJA-VA)
 0514-14MAR-8057-A-SY-5G (AJA-VA)
 0516-18MAR-8057-A-SY-5G (AJA-VA)
 0521-25MAR-8057-A-SY-5G (AJA-VA)

**** RADIO/TELETYPE ****

2605.0 2212 50/425- OUI22- NATO Aarhus DEN- RY/Foxs (PAC-UK)
 3388.1 0125 50/425r RELU22- Cayenne NAVRAD FFGU - to RFLIA (FBH-FL)
 3537.0 2217 50/425n TUN- ASECA Abidjan IVRY- tests (AM-UK)
 3618.0 0225 75/850r CTH21- Horta NAVRAD NZOR- RYs (RM-IL)
 3685.5 ----- 50/170r RIFAP- Italian Army ? wkg Palermo (RMA-FRAN)
 3714.1 1805 TOR INFERPOL Tankara TURK - tfc (RMA-FRAN)
 4002.0 2018 50/425r YRR4- Bucharest Metro ROMA- WX (FB-FRG)
 4460.0 0913 50/850r LRO6- SAVORITI Buenos Aires - SS/NX (RPD-NJ)
 4521.0 0820 50/425n E89- Madrid Police SPAN- testing (AM-UK)
 4508.0 0805 50/425r FVG44- Rouen Police FRAN- msg to St. Lo (AM-UK)
 4563.1 0250 50/425r HGB23- Budapest Metro HUNG- WX (FBH-FL)
 4763.2 0035 50/850n NKW- USN Diego Garcia c/g Mauritius (AM-UK)
 5185.2 2345 50/850n LRO69- Buenos Aires Metro ARGN- RYs (AM-UK)
 5199.7 2853 50/550n IEA28- Guarafi Rome ITALY- wkg IEA50 (IK-UK)
 5702.2 0444 50/170n ESCR- Air Force Stockholm SWED- WX (IK-UK)
 5740.0 0042 50/400n HZN46- Jeddah Metro SAUD- WX (IK-UK)
 5909.8 0250 50/170r MKD- RAF Akrotiri CYPR- RYI/Foxs (FBH-FL)
 6257.5 0325 50/170n EMDT- KHUDDONTMOOR-RYs to Novorossiisk (JEB-CA)
 6263.5 2300 ARQ LNVF- SONG OF NORWAY - t/c to WLO (FBH-FL)
 6266.5 1000 ARG/170 INCP- ALMARAE GUARTA wkg WCC (RMA-IA)
 6272.7 0812 ----- IXB- NATO Firenze ITALY - RYs (JK-FRG)
 6457.0 1030 75/170r NMO- USCG Honolulu HI - wkg CGC Mallow (FBH-FL)
 7423.0 0145 50/425n SYD9- Nairobi Air NIGR- WX (FJO-OH)
 7542.5 2130 50/425n AFF Hong Kong - EE/NX (RMA-FRAN)

GIBR:	2826.0 C 0358	GYU- Gibraltar NAVRAD - DE/QSX mkr (M5H-NC)	7690.0 0330	50/425n	WUH- ASCONA Abidjan IVRY- RYS (JEB-CA)
	6371.5 C 0519	GYU- Gibraltar NAVRAD - DE mkr (RG-KS)	7756.2 2358	50/425r	WFB37- ITT New York NY - Foms (FB-FRG)
	8625.0 C 0730	GYU4- Gibraltar NAVRAD - DE/QSX mkr (JEB-CA)	7950.0 1545	50/425n	ADN Berlin GDR - EE/NX (RMA-FRAN)
GREN:	4910.0 C 0420	KWS78- USEMB Athens - QSX mkr (BLG-WX)	8105.0 0052	75/850r	WBR70- Miami Metro FL - WX (FB-FRG)
	8454.5 C 2300	SVG- Athens MARCO - DE mkr (AJA-VA)	8122.0 1658	SIVOR	ONA20- INTERPOL Bussels BELG- mssgs (JK-FCG)
	8687.0 C 0235	SVA- Athens MARCO - DE mkr (AJA-VA)	8155.0 0132	50/170r	MKD- Raf Akrotiri CYPR- RY/Foms (FAG-NC)
	8694.0 C 0259	SVD- Athens MARCO - DE mkr (RG-KS)	8161.3 1300	50/140n	AWC- Calcutta AIR INDI - testing (FBH-FL)
	13082.5 C 2358	SVT5- Athens MARCO - DE mkr (RMA-IA)	8176.0 1232	50/350n	HXP- St. Denis Metro REUN- WX (RM-IL)
	17193.2 C 0331	SVB- Athens MARCO - DE mkr (JK-WX)	8187.0 0025	50/425r	SNN299- MFA Warsaw POL- NX to EMS (AM-UK)
HOLL:	5532.0 U 1935	Amsterdam LIDOC wkg KLM 688 (IAC-WD)	8357.5 0115	50/170n	EOSJ- GRANITNYJ BEREG - clg UJY (RMA-IA)
	8970.0 U 0854	PBV- Valkenburg NAS wkg Navy 459 (JK-UK)	8499.3 2115	50/425x	VTH- Bombay NAVRAD INDI- RYS (FUG-SOAF)
	16902.0 C 2115	FCH60- Schevevingen MARCO - DE mkr (GLT-NX)	8520.2 2210	50/300n	JFB- Odessa MARCO to UYAD (RMA-FRAN)
	17104.2 C var.	PCH62- Schevevingen MARCO - DE mkr (AJA) (BES) (RUC)	9059.0 1800	50/425n	JANA Tripoli LYBA - EE/NX (RMA-FRAN)
	22608.0 U 1708	Schevevingen MARCO - DU t/c list (JRU-W5)	9159.5 var.	50/425n	50A- ASCONA Namey NIGE-WX/test (AM-UK) (FBH-FL)
ICE:	8891.0 U 0013	Iceland/Rekjavik Aero wkg Scandinavian 980 (JGCH)	9194.0 1515	50/850n	BA223- Beijing Metro PRC - WX (AM-UK)
ITLY:	2182.0 A 0140	IPL- Livorno MARCO - Cq call (PAC-UK)	9280.2 0103	50/475r	RUZU- Molodezhnaya Base ANTA- RYS/WX (FBH-FL)
	3040.0 C 0405	IDR8- Rome NAVRAD - V mkr (M5H-NC)	10114.1 1614	50/425r	CLN488- PTP Havana CUBA - RY/Foms (PAG-NC)
	6390.3 C 0019	IDQ3- Rome NAVRAD - ID mkr (M5H-NC)	10153.0 1310	50/425n	9KT481- KUNA Kuwait - EE/NX (FBH-FL)
	6395.0 C 0131	IDQ6- Rome NAVRAD - ID mkr (MDC-NX)	10165.0 1215	50/425x	RPT31- TASS Tashkent USSR- FF/NX (RPD-NJ)
	8366.0 C 0256	IAR- Rome MARCO - ID mkr (RG-KS)	10345.0 2340	50/425r	LRB34- TELAM Buenos Aires ARGN- SS/NX (FB-FRG)
	9090.0 C 0345	IDR4- Rome NAVRAD - V mkr (AJA-VA)	10388.0 1605	50/425x	5NL- Lagos Air NIGR - RYS (JEB-CA)
	12978.0 C 2212	ICB- Genoa MARCO - V mkr (DB-AR)	10428.5 0028	50/425x	Y7G34- GDR EMB Hanoi VIET- t/c to Berlin (AM-UK)
	13657.0 C 0025	IDR5- Rome NAVRAD - V mkr (TFS-NY)	10456.8 0020	50/425n	VNA25- VNA Hanoi VIET - EE/NX (FB-FRG)
	17105.0 C 1415	IRM- C.I.R.M. Rome - V mkr (RMA-FRAN)	10600.0 1605	50/425n	GYU- Gibraltar NAVRAD - Foms (FB-FRG)
	5226.5 C 0855	JKU6- Bodo NAVRAD - V mkr (FB-FRG)	10661.0 2027	75/850n	EBR- Gibraltar NAVRAD SPAN- clg IDR (FB-FRG)
	5426.5 C 1019	LEA6- Stavanger NAVRAD - V mkr (FB-FRG)	10965.4 1525	50/170n	JYN41- Amman Metro JORD - WX (AM-UK)
	5854.0 C 2321	JKU- Bodo NAVRAD - V mkr (IK-UK)	11085.3 1935	75/850r	NGR- USG Kato Sali GREE- Foms to AOK (FBH-FL)
POL:	12721.0 C 1206	SPE41- Gdynia MARCO - t/c list (GLB-FL)	11218.0 1134	50/850n	DHM91- UN AF Papette FFPO- wkg RPHJ (JEB-CA)
	13793.0 C 1543	SON279- PAP Warsaw - t/c for ships (RMA-IA)	11541.0 2042	50/425r	70C- Khorramshahr AIR YDR- RYS (FB-FRG)
	17070.3 C 1430	SPE83- Szczecin MARCO - DE mkr (RMA-FRAN)	11590.0 0930	50/425n	DHU51- Gmangel Metro FRG- WX (FBH-FL)
	22505.0 C 1335	SPE41- Szczecin MARCO - V mkr (GLB-FL)	12150.0 2325	50/425r	UHY- Sam Tiksi USSR clg USZ (AM-UK)
	8551.5 C 0248	CNP9- Oeiras NAVRAD (NATO) - NAVS/QSX (M5H-NC)	12479.0 0210	75/170n	RFWOC- FF AF Papette FFPO- wkg RPHJ (JEB-CA)
	12823.5 C 1823	CNP- Oeiras NAVRAD - NAVS mkr (PAC-UK)	12501.0 0615	75/170r	NRUC- CGC POLAR SEA wkg NNM (JEB-CA)
	16986.0 C 1800	CNP- Oeiras NAVRAD - Cq mkr (LVH-WX)	12502.5 0608	50/170n	UJKE- PRIBOI - RYS to UUY (JEB-CA)
SCOT:	6886.0 U 1431	MKL- RAF Pittreavie - WX to Charlie 7 Alfa (IK-UK)	12506.0 2337	50/170n	LYGC- TM 8337 wkg Kalingrad (RMA-IA)
SPAN:	4311.0 C 0336	33A8E- Madrid NAVRAD- clg 37UMA (M5H-NC)	12506.5 0130	50/170n	UYXE- LOUGANSK - t/c to ?? (JEB-CA)
	6382.0 C 0522	EAD2- Aranjuez MARCO - Cq mkr (RG-KS)	12512.0 0045	50/170n	LYEQ- A. GRACHEV - t/c to ?? (JEB-CA)
	8440.0 C 0325	33A8E- Madrid NAVRAD - clg 37UMA (AJA-VA)	12512.0 0110	50/170n	UTDY- EUGENE BERG - t/c to UDR Riga (JEB-CA)
	8446.0 C 2149	33A8E- Madrid NAVRAD - clg 37UMA (RWF-WE)	12515.0 1515	50/170n	UYAY- EUGENE BERG - t/c to UDR Riga (RMA-FRAN)
	8618.0 C var.	EAD3/EDZ4- Aranjuez MARCO - Cq mkr (DB-AR) (AJA-VA)	12514.0 0449	ARQ/170	SYNK- DAPHNE - wkg WLO ?? (RMA-IA)
	12657.2 C 1817	33A8E- Madrid NAVRAD - clg 37UMA (JK-WV)	12515.0 0444	50/170n	EMAB- KARL LIEBKNECHT - wkg MUMMARSK (RMA-IA)
	17065.2 C 2120	EDP26- Aranjuez MARCO - Cq/QSX mkr (RAM-IA)	12515.0 0045	50/170n	ERSB- ROBERT - RYS to URB2 (RMA-IA)
SWIT:	13205.0 U var.	Berne LIDOC wkg Lima Nov 103/Alitalia 758(CC) (JCH)	12515.0 0030	50/170n	USRW- RAION - t/c to URB2 (JEB-CA)
	18023.0 U 1853	Berne LIDOC wkg Tango Victor 11 (CC-DE)			

SWIS:	22362.0 C 1940	HEB- Beirne MARCO - CQ mkr (LVH-TX)	50/170n	12515.0 0055	ERSP- ROBERT YUSHE - RYs to URB2 (JEB-CA)
TURK:	6451.5 C 2155	TB64- Canakkale NAVRAD - V mkr (IK-JK)	50/170n	12515.5 0300	UTYL- SHEPEVOKA - tfc to Sevastopol (JEB-CA)
	8611.5 C 0320	TAH- Istanbul MARCO - V/2SX mkr (AJA-VA)	50/170n	12515.5 0140	UTM3- KAMIYA POLIVANDVA - to Sevastopol (JEB-CA)
	11176.0 U 0452	AGJ9- Incirlik AB wkg Killo 898 (JCH-MD)	50/170n	12519.0 0245	UTM6- KOMSOULETS - wkg Leningrad (RWA-LA)
	11384.0 U 0455	Turkey VOLMET (JCH-MD)	50/170n	12520.0 0245	USB0- ALEKSEI KHOBYSTOV- RYs to URB2 (JEB-CA)
	13215.0 U 1805	AGJ9- Incirlik AB wkg MAC 40625 (CC-DE)	50/170n	12521.0 1550	USDF- PROFESSOR KHLIUSTIN wkg Leningrad (FB-FRG)
USSR:	5194.0 C 2110	RMP- Kaliningrad NAVRAD - clg UANS (FB-FRG)	50/170n	12522.0 0130	UNNR- ZVEZDAZOVA - tfc to UOJ (JEB-CA)
	8508.0 C 2318	RIW- Khiva NAVRAD - CQ into tfc (RB-FRG)	50/170n	12522.5 0045	UQZM- DMITRI UL'YANOV - tfc Leningrad (JEB-CA)
	8706.2 C 0258	UFN- Novolossiysk MARCO - DE mkr (BLJ-TX)	50/170n	12523.0 2015	UFPC- GRUZIYA - wkg Odessa (FB-FRG)
	10048.0 U 0608	Khabarovsk Aero wkg Japan Air 994 (SM-JPAN)	50/170n	12523.9 0200	UZED- IGZOUT AITYKOV- tfc to ?? (FJO-OH)
	14510.0 C 1405	RIW- Khiva NAVRAD - CQ RMYV (RMA-IA)	50/170n	12524.0 1556	UUTH- NIKOLAI CHERKASOV - wkg Odessa (FB-FRG)
	16922.0 C 1209	UQA4- Kiev MARCO - CQ mkr (PAC-UK)	50/170n	12525.0 0240	EZET- KORABELSTROITEL KLOPOTOV- wkg? (JEB-CA)
	16949.0 C 1201	UPW2- Liepaja MARCO - clg ALN (PAC-UK)	50/170n	12525.0 2155	UFLO- A. E. PAVON - RYs to Odessa (JEB-CA)
	22333.0 C 1905	UNV- Murmansk MARCO - DE mkr (GLB-FL)	50/170n	12525.0 0100	UFVS- KAVDA - RYs to UXX (JEB-CA)
	22498.0 C 1853	UDK2- Muzmausk MARCO - wkg ?? (GLB-FL)	50/170n	12525.5 0050	UNGT- SERGEI LAZO - tfc to ?? (JEB-CA)
YUGO:	4366.0 C 2300	YUR- Rijeka MARCO - DE mkr (RMA-FRAN)	50/170n	13073.1 1730	FEC ZSD- Durban MARCO SOAF- clg ZSC (RMA-FRAN)
	8445.0 C var.	YUR- Rijeka MARCO - DE/2SX mkr (AJA-VA) (LVH-TX)		13086.0 1704	GKP- Fortishead MARCO ENG wkg GHTT (RM-IL)
	16943.0 C 1951	YUR- Rijeka MARCO - V mkr (JK-WV)	50/425r	13360.0 0025	ESB35- Lanzhou Metro PRC - WX (AM-UK)
	22443.0 C 1340	YUR- Rijeka MARCO - V mkr (GLB-FL)	50/425r	13436.0 var.	Y7A53- MFA Berlin GDR- GRA,msgs(RMA-IA) (FB-FRG)
		**** AFRICA/MIDDLE EAST ****	50/170r	13520.0 1620	FSB72- INTERPOL Paris FRAN- msgs (AM-UK)
ALGE:	8894.0 U 0445	Tamanrasset Aero wkg Niamey Aero (JCH-MD)	50/170n	13565.0 2042	MKD- RAF Akrotiri CYPR- RYI/Foxs (RM-IL)
ANGO:	6369.0 C 0309	D3E- Luanda MARCO - V mkr (MLH-OH)	75/850n	13649a. 1530	KCN46- USEMB- QTH ?? - Foxs (RMA-IA)
	8566.3 C var.	D3E- Luanda MARCO - CQ/MC mkr (DB-AR) (FB-FRG)	75/425r	13777.0 1808	ZRO3- Pretoria Metro SOAF- WX (FB-FRG)
	8903.0 U 0435	Luanda Aero wkg Sudan 001 (JCH-MD)	50/425n	13850.2 0645	4XAB3- PTP Tel Aviv ISRL- RYs to Moscow (FB-FRG)
	12780.0 C 2238	D3E- Luanda MARCO - CQ/MC mkr (DB-AR)	50/425r	13920.0 2100	AXM35- Canberra Metro AUST- WX (FB-FRG)
ASCN:	22330.7 C 1644	D3E- Luanda MARCO - DE/MC mkr (JK-WV)	50/425r	13963.0 2102	JM13- Tokyo Metro JAPAN - WX (FB-FRG)
	11176.0 U 2030	AFD14- Ascension AB wkg MAC 50224 (JCH-MD)	75-----	14363.0 0957	PAKI EMB Dubai OMAN- to Islamabad (AM-UK)
BRAN:	8448.0 C 0407	A9M- Manama MARCO - DE mkr (AJA-VA)	50/425n	14392.5 1344	AG47M- AF MARS Zweibruecken FRG- to AIR (JK-FRG)
	8716.0 C 1653	A9M- Manama MARCO - DE mkr (SM-JAPAN)	50/425n	14403.1 1523	J5W- FF EMB Rabat MROC- tfc to Paris (FB-FRG)
BURB:	11300.0 U 0440	Bujumbura Aero wkg Niakrobi Aero (JCH-MD)	50/425n	14406.0 0800	Y7B84- GDR EMB Ankara TURK- to Berlin (AM-UK)
CONG:	20830a C 0722	CLP7- EMACUBA Brazzaville- wkg CLEF1 (DOR-TX)	50/850r	14458.0 1538	ARA- Karachi Air PAKI- tfc to SOC (FB-FRG)
CAPB:	8861.0 U 0240	Sal Aero wkg MAC 60187 (LVH-TX)	50/425r	14603.7 1443	BAC24- PTP Beijing PRC- RYs to Sofia (FJG-SOAF)
DUIB:	8568.0 C 2150	FUV- FF NAVRAD Djibouti - V mkr (RMA-FRAN)	50/425r	14630.7 1955	ISX46- ANSA Rome ITALY- RYs (FJG-SOAF)
	13042.0 C 2220	FUV- FF NAVRAD Djibouti - V mkr (LVH-TX)	75/425r	14638.5 1555	KNY23- CZECH EMB Wash DC- tfc to Prague (AM-UK)
	2473.0 C 1950	SUP- Port Said MARCO - CQ mkr (FB-FRG)	50/425r	14823.0 0020	XVH68- Hanoi Metro VIET - RYs (AM-UK)
EGPT:	8471.7 C 2122	SUP- Port Said MARCO - ??? (PAC-UK)	50/425n	14830.1 1625	AZAP Lubumbashi ZIRE- FF tests (FJG-SOAF)
	11300.0 U 2341	Asmara Aero wkg Addis Ababa Aero (JCH-MD)	75/850n	14858.5 1605	KKN46- US EMB QTH ?? - Foxs (RMA-IA)
ETHO:	8903.0 U 0435	Accra Aero wkg Tanga Mike 8020 (JCH-MD)	50/425r	14887.7 2000	CNR33- PTP Rabat MROC - tfc to Paris (JK-FRG)
GHAN:	2473.0 U var.	Conakry Aero wkg Dakar/Roberts Aero (CC) (JCH)	50/425r	15020.0 1504	SANA Damascus SYRA - AM/NX (RM-IL)
GUIA:	6385.0 C 0119	4XZ- Haifa NAVRAD - V mkr (MDC-NY)	50/425n	15690.0 1337	RMW75- PTP Moscow USSR- clg AXA83 (FB-FRG)
ISRL:	12995.0 C 2210	4XZ- Haifa NAVRAD - V mkr (DB-AR)	50/425n	15830.0 0103	RUZU- Molodezhnaya ANTA- WX (RM-IL)
	17050.6 C 1640	4XZ- Haifa NAVRAD - DE mkr (RMA-FRAN)	50/425r	15908.0 1340	WEY35- AFP New York USA - SS/NX (FB-FRG)
	17060.0 C 1720	4XO- Haifa MARCO - CQ/2SX mkr (RMA-IA)	50/425n	16028.6 1700	BCQ21- PTP Shanghai PRC - RYs (AM-UK)
IVRY:	8861.0 U 0050	Abidjan Aero wkg Iberia 962 (JCH-MD)	50/425r	16105.6 var.	FP08- Diplo Paris FRAN- FF/NX (JK-WV) (PAG-NC)

16674.7 1928 ARG/170 @MK- NELY MAERSK - wkg OXZ (JK-WV) (RM) (DB)
 16674.5 1615 TOR IRI- AGIP SICILIA - tfc to IAR (RMA-FRAN)
 16679.0 1635 ARG/170 GCD- JOSEPH P. GRACE - clg WC (RMA-IA)
 16680.6 1330 TOR PGDY- NEDLLOYD MADRAS - wkg PCH (RMA-FRAN)
 16700.5 0010 50/170n VVA- M. SOKOLOVSKII - tfc to ?? (JEB-CA)
 16700.5 0130 50/170n UZAS- KAPITAN MSHEVSKI - to Vladivostok (JEB)
 17136.4 1936 75/850r 33AME- Madrid NAVRAD SPAN- RYS (JK-WV)
 17216.2 1615 TOR WCC- Chatham MARCO MA- tfc to H9K (RMA-FRAN)
 17218.5 TOR HEC37- Berne MARCO SWIS- GG/NX (RMA-FRAN)
 17225.7 1700 TOR JAT28- KDD Tokyo JAPAN- DPA relay to FRG (AM-UK)
 18035.0 1530 50/850r Goteborg MARCO SWED to Mayavan Princess (RMA-FR)
 18037a 0600 50/850r ZRH- Cape NAVRAD SORF - clg NAU (DDR-TX)
 18040.0 1234 50/425r TCY4- AA Ankara TURK - TK/NX (RM-IL)
 18050a 0495 50/425r CLP1- EMBACUBA Havana CUBA- to CLP 12 (DDR-TX)
 18140a 0307 50/850n CCM- Magallanes NAVRAD CHIL- clg ZRH (DDR-TX)
 18381.0 2151 50/850r JMI4- Tokyo Metro JAPAN - WX (RM-IL)
 18421.5 1056 SITOR I-talian EMB Nicosia CYPR- tfc to Rome (JK-FRG)
 18600.0 0817 50/425n RWN72- EL Moscow USSR- EE/NX (FJC-SORF)
 18640.6 var. 50/425n KUNA Kuwait - status msg/EE/NX (FJC-SORF) (RMA-FR)
 18650.0 1700 50/425r SOT265- PAP Warsaw POL- FF/NX (RMA-FRAN)
 18735.0 1600 50/850r AXI- Air Force Darwin AUST - RVS (AM-UK)
 18788.0 1747 50/425r SUNA Khartoum SUDN - EE/NX (FJO-OH)
 18898.8 0655 75/425n CZEK EMB Beijing PRG- msg to Prague (AM-UK)
 18934.5 2035 50/425n EMBACUBA Lusaka ZAMB - msg to Havana (AM-UK)
 19067.5 1610 50/425n MAP rabat MROC - FF/NX (JK-WV)
 19151.0 1515 50/425r YBU-unid sta - 5 ltr coded groups (RBD=NG)
 19184.0 1405 50/425r KUNA Kuwait - EE/NX (FJC-FRG)
 19280.0 1428 75/425r 4UV- UNO Nairobi KEN - EE tfc (FR-FRG)
 19327.0 1145 50/425r AFP Hong Kong - EE/NX (RMA-FRAN)
 19425a 0720 50/425n CLP1- EMBACUBA Havana - clg CLP 7 (DDR-FR)
 19442.9 1721 50/425n Y7A77- MFA Berlin GDR - RVS (FJC-SOAF)
 19534.0 1540 45/850r AIR- USAF MARS Wash DC - testing (AM-UK)
 19703.0 1430 50/425r EHS70- ETHEUS Addis Ababa ETHIO- tests (FB-FR)
 19759.7 1720 50/425r BAT93- PTP Beijing PRC - RVS (FJC-SOAF)
 19879.5 1435 75/425r 4US- UNO Nicosia CYPR - RVS (FB-FR)
 19960.0 var. 50/425r 9HA- Luga Air MALTA- WX/tfc Khartoum (FJO) (FB-FR)
 19967.5 1115 50/425n BUL EMB Baghdad IRAQ - msg to Sofia (AM-UK)
 20263.0 1025 50/170r OHU32- FIN EMB Jeddah SAUD- msg to Helsinki (AM)
 20311.8 1605 50/425n FTU31B/G- APP Paris FRAN- QRA/RYS (FJC-SOAF)
 20317.6 var. 50/425r FZG3- APP Et.de France MART- SS/NX (JK-WV) (PAG)
 20464.7 2005 50/425n CLP7- EMBACUBA Brazzaville CONG-to CLP1 (AM-UK)
 20648a 0607 50/850r NAU- USN SAN Juan PR - clg ZRH (DDR-TX)
 20620.0 1901 75/425n 5KM- Bogota NAVRAD COLO - RYS (JK-WV)
 20735a 0230 50/425n CLP45- EMBACUBA Lunada ANGO - to CLP1 (DDR-FR)

8861.0 U 2255 Bonaïke Aero wkg Dakar Aero (CC-DE)
 11300.0 U 0049 Nairobi Aero wkg MAC 60149 (LVH-TX)
 11300.0 U var. Nairobi Aero wkg Khartoum/Dar-es-Salaam (NAP) (SM)
 17175.2 C 1255 52F4- Mombasa MARCO - V mkr (FB-FRG)
 4886.0 C 0420 KKN44- USEMB Monrovia - QRA mkr (RWF-ME)
 8861.0 U 0105 Roberts Aero wkg Springsbok 274 (JCH-MD)
 11256.0 U 0702 Holloway (Roberts) LDOC wkg Flight 794 (JCH-MD)
 8515.0 C 0746 SAT- Tripoli MARCO - CQ mkr (FB-FRG)
 8746.0 C 0645 SAB- Benghazi MARCO - CQ mkr (AJA-VA)
 8894.0 U 0613 Tripoli Aero wkg Lima November 581A (NAP-AL)
 8861.0 U 0015 Banako Aero wkg Abidjan Aero (CC-DE)
 8894.0 U var. Namery Aero wkg Nigerian 801/835 (LVH-TX)
 8903.0 U 2047 Kano Aero wkg Nigerian 982 (JCH-MD)
 8975.5 C 0150 FUX- FF NAVRAD Reunion - V mkr (GLT-NM)
 17062.0 C 1440 FUX- FF NAVRAD Reunion - V mkr (RMA-FRAN)
 8992.9 C var. 6W- Dakar NAVRAD - V mkr (ERN-NM) (MLH-OH)
 16951.5 C 2105 6W- Dakar NAVRAD - V mkr (GLT-NM)
 11300.0 U 0435 Seychelles Aero clg Cairo Aero (JCH-MD)
 1442.5 C 0410 ZSD- Durban MARCO - CQ mkr (LVH-TX)
 4317.0 C 2230 ZSC- Capetown MARCO - DE mkr (RMA-FRAN)
 6387.0 C 0527 ZS93- Cape NAVRAD Silvermine - CQ mkr (RG-KS)
 8566.0 C var. Z574- Cape NAVRAD Silvermine- CQ (GLT-NM) (DB-AR)
 8933.0 U 0414 Springsbok LDOC wkg Springsbok 231/255 (JCH-MD)
 17132.0 C var. Z596- Cape NAVRAD Silvermine- CQ (SM-JPAN) (RMA-FR)
 17165.0 C 1909 ZSC- Capetown MARCO - CQ mkr (JK-WV)
 11300.0 U var. Khartoum Aero wkg Lufthansa 57/Cairo (LVH-TX)
 20970.0 U 1231 VKV9- CPARS Golan Heights clg VKN9 (PAC-JK)
 13060.0 C 1348 70A- Aden MARCO - DE mkr (GLB-EZ)
 11300.0 U 2037 San'a Aero wkg Aden Aero (JCH-MD)
 ***** ASIA/PAC EAST *****
 8600.0 C 2325 X5V- Tianjin MARCO - CQ mkr (FB-FRG)
 12856.0 C 2230 XSG- Shanghai MARCO - ??? (DB-AR)
 17103.2 C 2211 XSG- Shanghai MARCO - CQ mkr (RM-IL)
 13031.0 C 0836 VRN60- Cape d'Aguiilar MARCO - DE mkr (FB-FRG)
 10066.0 U 1212 Calcutta Aero wkg Air India 608 (JCH-MD)
 16292.7 C 1420 VTY393- Bhuj Police - msgS (JK-FRG)
 8547.5 C 0753 JFA- Masuogo MARCO - CQ mkr (BPS-CA)
 16876.1 C 0255 JOR- Nagasaki MARCO - CQ mkr (GLT-NM)
 16998.9 C 0130 JDC- Choshi MARCO - CQ mkr (GLT-NM)
 12843.0 C 1535 HLO- Seoul MARCO - CQ mkr (LVH-TX)
 6470.0 C 1408 9MG- Penang MARCO - CQ/USK mkr (JEB-CA)
 6481.0 C 1415 9MB2- Penang NAVRAD - V mkr (JEB-CA)
 12678.0 C 1743 9MC3- Penang MARCO - CQ mkr (BPS-CA)
 17172.4 C 1716 9MG- Penang MARCO - CQ mkr (PAC-UK)

PAK: 13012.0 C 2151 AQP2- Karachi NAVRAD - V mkr (GLB-FL)
 PHIL: 8545.5 C 1410 DZF- Manila (Bacoort) MARCO - CQ mkr (JEB-CA)
 8555.0 C 1410 DZP- Manila (Novaliches) MARCO - CQ/9SX (JEB-CA)
 8568.0 C var. DZR- Manila MARCO - CQ/9SX mkr (JEB-CA)
 8588.0 C 1318 DZG- Manila (Las Pinas) MARCO - CQ mkr (LVH-TX)
 8595.0 C 1426 DZK- Manila (Bulacan) MARCO - CQ mkr (JEB-CA)
 12982.0 C 2215 DZG- Manila (Las Pinas) MARCO - CQ mkr (PAC-UK)
 22428.0 C 0134 9VG- Singapore MARCO - CQ/9SX mkr (BPS-CA)
 TAIN: 8557.0 C 1235 XSX- Keelung MARCO - CQ mkr (LVH-TX)
 8582.0 C 1309 XSW- Kaoshiung MARCO - CQ mkr (LVH-TX)
 8632.0 C 1913 XSW- Kaoshiung MARCO - CQ/9SX mkr (BPS-CA)
 12864.0 C 2210 XSW- Kaoshiung MARCO - CQ mkr (PAC-UK)
 THAI: 8573.5 C 1420 HSA4- Bangkok MARCO - CQ/MC mkr (JEB-CA)
 8686.0 C 1440 HSA2- Bangkok MARCO - CQ/MC mkr (JEB-CA)
 8942.0 U 1033 Bangkok Aero wkg a/c ?? 11 (NAP-AL)

*** PACIFIC OCEAN ***
 AUST: 8597.0 C 1430 VIP93- Perth MARCO - V mkr (JEB-CA)
 8975.0 U 0548 AFX- Air Force Sydney wkg Tango Golf 6940 (JCH-MD)
 11235.0 U 0542 AXT- Air Force Edinburgh wkg AF Sydney (JCH-MD)
 13076.0 C 1247 VIP33- Sydney MARCO - CQ mkr (RM-IL)
 13193.8 U 0450 Sydney MARCO wkg GZVA Eastern Enterprise (JCH-MD)
 13205.0 U 0541 AFX- Air Force Sydney wkg Juliet Bravo Quebec (JCH)
 16918.8 C 0250 VHP6- Canberra NAVRAD - V mkr (GLT-NM)
 FIJI: 8867.0 U 0600 Nandi Aero wkg November 659 Zulu (JCH-MD)
 FFPO: 8642.0 C 0535 FUN- FF NAVRAD Papeete - V mkr (JRN-NM)
 8623.8 C 0419 FUN- FF NAVRAD Papeete - V mkr (JK-WV)
 12664.5 C var. FUN- FF NAVRAD Papeete-V mkr (FB-FRG) (JK-WV) (AUD-NJ)
 17380.0 C 2320 FUN- FF NAVRAD Papeete - V mkr (GLT-NM)
 22542.7 C var. FUN- FF NAVRAD Papeete - V mkr (JK-WV) (RWB-NU)
 HI... 8843.0 U 0453 Honolulu Aero wkg Ward Air 275 (JCH-MD)
 8903.0 U var. Honolulu Aero wkg MAC 60164/38087 (JCH-MD) (LVH-TX)
 14528a C 2200 AGR8HI- USAF WARS Hickam AFB- msg (RMA-IA)
 NCAL: 22463.0 C 2304 FUJ- FF NAVRAD Noumea - V mkr (RM-IL)
 NZEL: 6393.0 C 0538 ZLB5- Awarua MARCO - CQ mkr (RG-KS)
 8504.0 C var. ZLB4- Awarua MARCO - DE/9SX (BPS-CA) (DB-AR)
 10072.0 U 0614 Auckland Flight Control (LDCC)-Quantas 181 (JCH-MD)
 11130.0 C 0900 ZLZ/ZLX- Wellington Metro - CQ into WX (RM-II)
 12740.0 C 1457 ZLB5- Awarua MARCO - CQ into tfc list (RMA-IA)
 13300.0 U 0529 Auckland Aero wkg Quantas 41 (JCH-MD)
 17170.4 C 0120 ZLB- Awarua MARCO - DE mkr (GLT-NM)
 22533.0 C 2347 ZLB2/7- Awarua MARCO - CQ into tfc list (RWB-NJ)

*** ANTARCTICA ***
 12843.0 C 2350 UG2- Bellingshausen Base - tfc to ships (FUJ-OH)
 13973.5 U 0122 NNN/ICE- USN WARS McMurdo- wkg NNN/GKFC (LVH-TX)

20804.7 0800 50/425n CLP67- ENDACUBA Baghdad IRAQ- msg relay (AM-UK)
 20804.8 1115 50/425n CLP9- EMRACUBA Aden YDR- msg various (AM-UK)
 20843.5 2225 50/425r X08AFL- ENBACUBA Luanda ANGO- RYS (AM-UK)
 20875.5 1114 110/850n X08AFL- Cerro Tolofo Ob, CHIL- to KFK92 (RM-IL)
 20904.0 1545 75/425n CZEC EMB Luanda ANGO- msg to Prague (AM-UK)
 20957.0 0705 75/425r Y409 EMB Nairobi KEN - scrambled tfc (AM-UK)
 20960.0 0750 75/425r SAM89- SWED EMB Luanda ANGO- to SAM (AM-UK)
 22209.0 1440 TOR CCBV- STIRLING UNIVERSAL to GKP (RMA-FRAN)
 22312.5 1351 75/850n RELIFT- Ft. de France NAVRAD MART- RY/SG (IK-UK)
 22467.4 1811 75/850n 33AME- Madrid NAVRAD SPAN- RYS (JK-WV)
 22562.0 1650 TOR GKE- Fortishead MARCO ENG to Monte Carlo (RMA-FR)
 22761.0 0820 50/425r GDM42- AP London ENG - RYS (FJG-SOAF)
 22811.0 1421 50/400r Y2V29- ADN Berlin GDR - EE/SS/AN (JK-WV)
 22862.0 1505 50/850r ZRH- Cape NAVRAD SOAF - RYS (ADJ-NU)
 22885.0 1400 50/425n Y2V28- ADN Berlin GDR - 9RA (FJG-SOAF)
 23102.0 0815 75/425n MFA Belgrade YUGO - scrambled msg (AM-UK)
 23527.3 1523 75/425r SAM86- SWED EMB Buenos Aires- to SAM (AM-UK)
 23715a 0320 50/425n WFC83- AP New York USA- SS/NX (ADJ-TX)
 23867.5 1505 50/425r FDY- FF AF Orleans FRAN - Foxs (ADR-NU)
 23999.7 0905 50/425r Y7R- MFA Berlin GDR - RYS/MC mkr (FJG-SOAF)
 24159.7 1634 FDY- FF AF Orleans FRAN - testing (FBH-FL)
 24556.0 var. 75/425n 4UV- UNO Addis Ababa -to Geneva (AM-UK) (IK-UK)
 27026.0 0852 50/425r IR227- ANSA Rome ITALY - EE/ANX (FJG-SOAF)

**** 9SLs ****
 ANGO: D3851/61- Luanda MARCO - PFC 65d IRC - 8565 kHz (LVH-TX)
 AUST: VHP- CANBERRA NAVRAD - Ltr 18d IRC - 16918.5 kHz (LVH-TX)
 CAN.: CHU- SFTS Ottawa - Card in 64d MS 3330 kHz (JT-ALB)
 VCM- St. Anthony CGR - PFC 20d IRC - 2598 kHz (FJG-UK)
 VCS- Halifax CGR - PFC/Ltr - IRC 8440 kHz (LVH-TX)
 COST: TIM- Limon MARCO - Ltr - IRC - 13100 kHz (LVH-TX)
 DEN.: OXZ- Lyngby MARCO - Card 18d IRC - 16920 kHz (LVH-TX)
 ENG.: GDM42A- AP London - Ltr 17d IRC 22407.3 kHz (LVH-TX)
 FRAN: PFS9- St. Lys MARCO - PFC - IRC - 22318.5 kHz (LVH-TX)
 HI... WVVH- SFTS Kaula - Card in 23d - 5000 kHz (JT-ALB)
 NMO- CG Honolulu - PFC/Ltr 08d MS - 6506.4 kHz (LVH-TX)
 HOLL: PCH70- Scheveningen MARCO - Card 13d IRC - 2324.5 kHz (LVH-TX)
 HUNG: HGX21-????? Ltr in 26d 6802/10322.1 kHz (SB-CT)
 ITALY: IAR- Rome MARCO - Ltr 31d IRC - 8670 kHz (IWI-VI)
 IQX- Trieste MARCO - Ltr 25d IRC - 8679 kHz (LVH-TX)
 LPL- Livorno MARCO - PFC 13d IRC - 2591 kHz (PAC-UK)
 JPAN: JCT- Choshi MARCO - Card - IRC - 8686 kHz (LVH-TX)
 KUWT: 9KT351- KUNA - Ltr in 46d - 18278 kHz (SB-CT)
 MALT: FUF- FF NAVRAD Ft. de France- Card 375d IRC - 16961.5 kHz (LVH)

13973.5 U 0101 NNN@KWR - USN MARS Palmer Sta. p/p via NNN@GKF (LVH-TX)
 13973.5 U 0132 NNN@NWB - USN MARS South Pole wkg NNN@FVD (LVH-TX)

0500.0 C var. **** SHIPS ****

PCVH-ATLANTIC CROWN/YUDC-JADRAN EXPRESS/SYBEM-PANTAZIS
 KAIAS clg/WKT WCC (FWB-NJ)
 WPKC - DART BRITIAN wkg WHH (FWB-NJ)
 0500.0 C 0133 WLBV - MOBIL AERO wkg NMF (FWB-NJ)
 0500.0 C 0125 MNHE - MELTON CHALLENGER clg St. John CGR (RWF-ME)
 2118.0 U 0330 VXJK - SIGNENTO BAY clg Halifax CGR (RWF-ME)
 2182.0 U 0352 CGMW - Can CG DARING wkg VCS (LSD-NJ) (MDL-ME)
 2182.0 U var. NRDE - CGC CAPE HIGGON wkg NMF (LSD-NJ)
 2670.0 U 0405 WCEB - CGC CAPE HIGGON wkg NMF (LSD-NJ)
 2670.0 U 0604 CR8137 - IRVING MIAMI wkg CG Shlimcock (LSD-NJ)
 2694.0 U 0455 NRDE - CGC CAPE HIGGON wkg CG Boston (LSD-NJ)
 4113.0 U 0257 HFFG - FESTIVAL clg WOM (RWF-ME)
 4128.0 U 0122 LITA - NORWAY p/p via WOM (RWF-ME)
 4134.3 U 0530 OVRE - SCARAB - SAR mission with NNN (LSD-NJ)
 4134.3 U 0650 NRKN - CGC BEAR wkg NMF (LSD-NJ)
 4183.0 C 0106 SGGG - KASZUBY 2 clg SPE (FWB-NJ)
 4376.0 U 2143 NVUN - CGC CAPE CORWIN wkg CG Honolulu (DRU-HI)
 4387.0 U 0316 m/v FAIR WINDS wkg WOO (MDL-ME)
 4420.0 U 0257 m/v DO MORE 7 wkg WAC 682 (RWF-ME)
 4742.0 U 1110 GTJS - HMS WOOTON p/p via Architect (IK-UK)
 5696.0 U 0414 NCRG - CGC COURAGEOUS wkg CG Miami (LSD-NJ)
 6200.0 U var. NRDP-CGC DUANE/NGSP-CGC VIGOROUS/NRLT-CGC RESOLUTE/
 NNGP-CGC CHEROKEE/NGCR-CGC TAMAROA wkg NNN (MLH-OH)
 6200.0 U var. NLKD-CGC WESTWIND/NRFJ-CGC NORTHWARD/NIKLI-CGC TAMPA/
 NODS-CGC DAUNTLESS wkg NMG (MLH-OH)
 6200.0 U var. NDT5-CGC DAUNTLESS/NRDB-CGC BIBB/NGRC-CGC COURAGEOUS/
 NYVC-CGC POINT FRANKLIN wkg NMA (MLH-OH)
 6200.0 U var. NRXP-CGC CLOVER/NDMA-CGC MORGENTHAU wkg NMC (MLH-OH)
 6200.0 U var. NMBG-CGC UNIMAC/NRTF-CGC ACTIVE wkg NMF (MLH-OH)
 6506.4 U 1326 G5XN - SUE ANN TRIDENT wkg CG New Orleans (JDM-MN)
 6506.4 U var. WVPF-NOAA ALBATROSS/NRTF-CGC ACTIVE wkg NNN (JDM-MN)
 6509.5 U 2035 WTDA - NOAA OREGON wkg KHV (NAP-AL)
 6521.9 U 0100 NODM - CGC HORNBEAM wkg CG Boston (LSD-NJ)
 8260.0 U 1850 m/v YORKSHIRE p/p via KMI (BPS-CA)
 8260.0 U 1904 m/v FAR WEST LEADER clg KMI (BPS-CA)
 8288.0 U 0430 ELOA - HUNTER BOW clg WOM (RWF-ME)
 8291.1 U 0717 WYP8768 - CENTURION wkg WPE Jacksonville FL (BPS-CA)
 8291.1 U 0702 WYK 4296 - DEFENDER wkg WPE (BPS-CA)
 8291.1 U 0705 WYK5167- PILOT wkg WPE (BPS-CA)
 12336.2 U 0705 m/v FAIRCHILD/HOKP-NABIZA p/p via VIS (BPS-CA)
 14470.0 U 2012 NNN@NXX - USS YOSEMITE p/p via NNN@UKK (BOW-VA)
 16450.0 U 2139 WTDK - NOBA DAVID STAR JORDAN wkg WHD576 (JRU-MS)

MROC: VOA Tangiers - Card 16d - 19276.8 kHz (SB-CT)
 NCAL: FUD- FF NAVRAD Noumea - Ltr 22d IRC - 22461 kHz (LVH-TX)
 NZEL: ZLB- Awatua MARCO - Card 76d - 4277/6393.5/8504 kHz (SB-CT)
 ZLB- Awatua MARCO - PFC 17d IRC - 22533 kHz (LVH-TX)
 ZLX31- Wellington Metro - PFC 32d IRC - 19488 kHz (PAC-UK)
 ***** Lots more QSLs, but have to hold for next month.*****

***There were 67 contributors this issue. You all are:

(RMA-FRAN) ROGER AKED (HSH-MD) HANK HOLBROOK
 (ELA-PA) BRIAN ALEXANDER (BLJ-TX) HANK HOLBROOK
 (RMA-IA) ROD ALEXANDER (TRJ-MS) JACK JONES
 (AJA-VA) ALBERT ARNOLD (DK-CA) DAVID KEENAN
 (SB-CT) SAM BARTO (IK-UK) IAN KERR
 (FWB-NJ) FRED BELGHAUS (JK-FRG) JOERG KLINGENFUSS
 (JEB-CA) JASON BERRI (JK-WV) JEFF KNAPP
 (GLB-FL) GARY BLEDSOE (BAL-OH) ROBERT LEARY
 (DF-FRG) FRED BODENHAGEN (MDL-ME) MIKE LEONARD
 (DE-AR) DON BREWER (RM-IL) ROBERT MARGOLIS
 (JB-PA) JOE BUDAY (SM-JPAN) SATISHI MIYAUCHI
 (IAC-MD) IAN CALDER (AM-UK) ALEX MOORE
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 (MDC-NY) MARK CHINSKY (NAP-AL) NEAL PERDUE
 (RJC-MA) ROBERT COLEMAN (RLR-KS) ROBERT RANKIN
 (PAC-UK) PETER CONWAY (DRR-TX) DENNY REEVES
 (MC-ONT) MARSHALL CUBITT (TFS-NY) THOMAS SABLE
 (LSD-NJ) LARRY DANKO (BPS-CA) BRYAN SHARPE
 (AJD-NJ) JOE DEINFT (ECS-WA) ED SOOMRE
 (HD-SAUD) HANI DRAVE (WJS-ONT) WILF STONE
 (RFD-NJ) RICHARD DURAN (JUT-ALB) JOSEPH TALBOT
 (RWF-ME) RUSSELL POSS (GLT-NM) GLENN THOMPSON
 (PAG-NC) PAUL GILSTER (PAT-CA) PEGGY THOMPSON
 (GG-CA) GARY GONZALES (TT-MI) TIM TYLER
 (RG-KS) RODNEY GRUSSLING (DRU-HI) DON UNRUH
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 (JCH-ND) JIM HARTUNG (JDM-MN) JOHN WILLIAMS
 (JFH-MA) JOHN HENNAULT (BOW-VA) BERNIE WIMMERS
 (FBH-FL) FRED HETHERINGTON (BCW-VA) BERNIE WIMMERS

*** Forced to dump just over 400 loggings this month.***

MTG

CONTRIBUTORS LIST:

MAY 1984

EDITED BY: JOHN TRAUTSCHOLD & THE ALTAIR 8800 COMPUTER
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TOTAL CONTRIBUTORS: 188

2	ABBOTT, STEVE	IL R600	1	KNAPP, JEFF	WV
3	ADAMS, ROBERT	MA R2000	3	KOSUGIDA, SHINICHI	JP R2000
4	ADDISON, JOE	KS R600	1	KOUKOL, MARK	IL
1	AKED, ROGER	FR NR515	3	LANGLOIS, HAROLD	GA
2	ALEXANDER, BRIAN	PA FRG7700	1	LARE, STEVEN	MI
1	ALEXANDER, RODNEY	IA IC-R70	1	LEARY, ROBERT	OH FRG7700
1	ARNOLD, ALBERT	VA	5	LEITE, STEVE	MA IC-R70
3	BARTO, SAM	CT	2	LEONARD, MICHAEL	ME R1000
1	BELGHAUS, FRED	NJ	1	LEVIN, JAY	NJ FRG7700
5	BERRI, JASON	CA RF2900	2	LOBDELL, CHRIS	MA
6	BINGHAM, FRANK	MA R7000	1	LOIS, LANG	GA
5	BLANCHETTE, MARION	FL DX100	4	LORD, EARLE	CA FRG7700
1	BLEDISOE, GARY	FL DX302	5	MAGGIBBON, BRUCE	OR R1000
1	BODENHAGEN, FRED	FG	4	MACRIE, VIRGINIA	NJ R2000
3	BOWDEN, RALPH	CA	3	MAHONEY, MICHAEL	FL SPR4
5	BREWER, DONALD	AR R1000	1	MANDERSCHIED, MIKE	CA ICF2001
3	BUDAY, JOSEPH	PA	2	MANN, CARL	IA
2	BURON, LESLIE	PA	1	MARGOLIS, ROBERT	IL
3	CACERES, MARCOS	NY M7700K	4	MATHEW, ABBIE	MA FRG7700
1	CALDER, IAN	MD	4	MAY, RONALD	OH IC-R70
2	CAMPBELL, BILL	CT R2000	1	MELLINGER, CRAIG	NJ
1	CAMPBELL, CORNELIA	DE NR515	2	MENDEZ, LUIS	NJ R1000
8	CARD, PETER	RI NR505	1	MILLER, LARRY	PA
1	CATEY, R.M.	IL	5	MIYAUCHI, SATOSHI	JP TS-430V
1	CAUDILL, JOHN	??	1	MOORE, ALEX	UK
1	CEREGHIN, JOHN	MD	2	MUNSTER, RALF	GA R7/DR7
1	CHABAK, MIKE	AZ	4	MURPHY, TOM	NJ RF4900
7	CHICKERELL, LARRY	WV DX400	4	MUZYKA, WILLIAM	NY RF4900
1	CHINSKY, MARK	NY RF2600	1	MCCANTS, DONALD	AL RF2200
5	CLAYTOR, DAVID	OH R1000	5	MCDOWELL, JOHN	IL ICF2001
4	COLEMAN, ROBERT	MA	6	McKEON, THOMAS	IN CR2021
1	CONWAY, PETER	UK 51J-4	1	McKINNY, LARRY	PA R1000
4	COX, JAMES	CA	1	NEWLON, EVAN	NM
2	CUBITT, MARSHALL	ON	1	NISHIMURA, TAKANORI	JP
2	CUNNINGHAM, LARRY	OH	3	NOWICKI, MICHAEL	CA R392
5	D'ANGELO, RICHARD	PA NC190	3	OHLINGER, DONALD	CA RF3100
1	DANKO, LARRY	NJ IC-R70	1	OLSON, CARL	MD
2	DAVIDSON, JAMES	TX DX200	2	OSTERMAN, FRED	OH NR515
1	DEINET, A.J.	NJ NR515	5	PALMER, BOB	WA IC-R70
3	DEMMITT, JOHN	PA HOMEBREW	5	PARKS, WILLIAM	FL HR060
5	DILLAMAN, JOHN	OH	2	PERDUE, NEAL	AL DRAKE 2-
6	DILLON, PETER	PA ZENITH T	3	PRATH, JOHN	FL FRG7000
6	DRAYE, HANI	SA IC-R70	2	RADTKE, CARL	CA SPR4
2	DUÇOS, PIERRE	FR SAT3400	1	RANKIN, ROBERT	KS R7/DR7
1	DURAN, RICHARD	NJ	1	REEVES, DENNY	TX
5	ENGLISH, DON	TX DX302	1	REINECKER, ROBERT	PA
3	EVANS, JAMES	TN R2000	4	RENN, JIMMY	?? DX100
1	FALBO, ANTHONY	OR	2	RING, JOHN	VA
2	FAMULARO, RALPH	NJ RF2800	7	ROBINSON, BETSY	TN FRG7700
3	FEMYER, MIKE	AZ R600	3	SABLE, THOMAS	NY TS-430S
3	FLANNAGAN, MELVIN	VA	2	SAMPSON, DANIEL	WI DX300
2	FLEISCHAKER, TED	KY ICF2001	1	SAMS, MITCH	KS
1	FOSS, RUSSELL	ME	2	SCHMAUTZ, SCOTT	NY
4	FRASER, BOB	MA XCR-30	7	SCHULSINGER, MICHAEL	OH FRG7
2	GAMMIE, CHARLES	MI R1000	5	SEITNER, ALLEN	VA
2	GARRETT, LARRY	CA	4	SELVEY, BOB	MA ICF2001
1	GEHRING, HERBERT	TX	1	SHARPE, BRYAN	CA DX302
2	GIBSON, MARJORIE	CA R600	2	SHEEDY, DANIEL	CA IC-R70
1	GILLEY, RAYMOND	VA	3	SHIMADA, SENSHU	JP FRG7700
1	GILSTER, PAUL	NC ICF2001	9	SOOMRE, EDWARD	MA
1	GONZALES, GARY	CA	6	SPEER, RICHARD	CA RF2900
5	GRAY, J. SPEED	MI NR515	1	STEIN, RICKEY	NJ FRG7700
1	GREENBAUER, DANIEL	AZ RF2800	3	STEPHANY, NOLAN	NY R392
3	GROSVENOR, NORMAN	CA FRG7	4	STEPHENSON, NORMAN	CA IC-R70

1	GRUSSLING, RODNEY	KS	1	STINER, ROLAND	NY FRG7000
1	GUILLARMOD, FRANCOIS J	SA	4	STONE, WILFRED	ON
1	GUNTER, JOHN	NC R1000	4	SZABO, PETER	KS
1	GUNTER, MRS. JOHN	NC	5	TALBOT, JOE	AB R1000
5	GURLEY, TED	TX	1	TALBOT, LARRY	WI FRG7
1	HARADA, C.	CA	1	THIBODEAUX, KEITH	LA
1	HARDESTER, MICHAEL	NC	6	THIM, WILLIAM	CT R1000
6	HARRELL, RICHARD	IL RF2900	4	THOMPSON, GLENN	NM FRG7
2	HARRIS, MICHAEL	OH	7	THOMPSON, PEGGY	CA FRG7
1	HARTUNG, JAMES	MD R7/DR7	3	THUNBERG, BOB	CA R1000
2	HENAULT, JOHN	MA RF3100	1	TILLEY, DOUGLAS	PO FRG7700
5	HESCH, RUTH	NY R1000	4	TIMOFEEV, ALEXANDER	FG ICF2001
1	HETHERINGTON, FRED	FL	1	TYLER, TIMOTHY	MI R1000
7	HEVERN, VINCENT	NY IC-R70	1	ULMER, DOUG	LA R1000
1	HITSMAN, KATE	IA	6	UNRUH, DONALD	HI FRG7
6	HODGSON, CHARLES	SA	5	VALENTINE, F.A.	CA IC-R70
1	HOLBROOK, HANK	MD HQ129	5	VAN HORN, GAYLE	TX RF3100
1	HOSMER, DONALD	MI R2000	1	VAN HORN, LARRY	TX
3	HUFFAKER, CARL	MX	1	WALTERS, JOHN	NJ R-1530
1	HULL, DICK	WA	7	WEIKEL, FRANK	MI S-38E
1	JACKSON, RANDALL	OR FRG7700	2	WELCH, FRANK	MA ICF6800W
1	JOHNSON, DON	CA	2	WILKINS, JOHN	CO R1000
1	JOHNSON, FRED	IL RF2200	1	WILLIAMS, JOHN	MN
4	JONES, BRIAN	TX IC-R70	4	WIMMERS, BERNIE	VA
3	JONES, JACK	MS	1	WITTE, MARJORIE	CA FRG7
1	KANOPKA, LEON	NY IC-R70	3	WOOD, RICHARD	SA R1000
4	KEENAN, DAVID	CA	1	YAJKO, ROBERT	PA
1	KERR, IAN	UK	1	YAMADA, KOJI	JP
1	KLINGENFUSS, JOERG	FG NR0515	1	YOSHIMURA, KATOSUTOSH	JP
6	KLOSOWSKI, LORI	FL	1	ZILMER, ROBERT	NM R1000

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:
TIPS & TOPICS/PGM PANORAMA

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:
STATION SKEDS/QSL REPORTS

Hello Contributors...PLEASE NOTE THE NEW ADDRESS AT THE TOP OF THE FIRST PAGE OF THE LIST! With a little bit of luck we will be moved into our new residence around May 8th. The P.O. Box (861) will be closed sometime in May, although the mail will be forwarded for sometime after that. All correspondence concerning the Contributors List or Tri-Lingual forms should go to the Illinois address after that date. This is also my last issue (I hope) as far as publishing the magazine goes. Look for a new publisher next month. I've enjoyed these past five years of publishing, but I look forward to the rest too! For now though, let's get on with the ads, via David Sharp.....

SPEEDX FOR SALE/WANT ADS

Ad ed: David Sharp, 17602 Meadowbridge, Lutz, Florida 33549-5576
Last minute ads may be phoned-in at: 813-949-4847, 0330-0500 GMT

FOR SALE: Sony ICR 4800, 54.00. Panasonic RF 3100, 219.00. Panasonic is still under two year warranty. Tom McKeon, 317-357-0133, 2300 to 0500, or write: 1413 N. Butler Ave., Indianapolis, IN 46219.

WANTED: Used WRTH's, reasonable price, I have 1964, '70, '71, '73, '76, '83, '84. Interested in any others. Ed Soomro, One Alcott Dr., Northboro, MA 01532, 617-393-6052.

FOR SALE: Past issues- FRENEX (79, 80, 81), SPEEDX (1/2 81, 82, 83), "DX Journal and World Broadcasting Review" (Vol. 11, #'s 1, 2, 3), and VOICES quarterly (80 and fall 81). First 12 IRCs buys the works. Free postage. Dave Claytor, 715 W. Chestnut St., #7, Oxford, OH 45056.

WANTED: SWL's with VIC 20. Contact Tony Kobylski to start SWL/VIC 20 registry and build program library. For radio purposes- send note to: 726 S. Clinton St., Baltimore, MD 21224. 301-563-0039 after 1830 EST.

FOR SALE: Sony 2002, LN, Warranty, 185.00. Drake SPR-4, mint, w/23 crystals and loop, 200.00. Kantronics Radiotop w/improved cartridge, with VIC 20, 230.00. ROBOT 70, 80 Slow scan TV, 80.00. shipping xtra.
WANTED: FRG-7700 with MORE than 12 memory channels. Ronald Pokatiloff, 312-872-3633, anytime.

WANTED: Instruction manual for FRG-7700. Mr. and Mrs. R.J. MacKee, 4310 Salish Drive, Vancouver, B.C. V6N 3M7 Canada.

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