

# SPEEDX

## SPEEDX

the dx radio magazine  
for active shortwave listeners

Christmas is ...



INSIDE THIS ISSUE OF SPEEDX.....

-Important news about HQ and publishing  
see pages 3 & 9

-If you are a regular contributor  
see page 55

-Would you like to edit for SPEEDX  
see page 9

**a good receiver & Speedx!**

DECEMBER 1983

VOL13 NO 12

# SPEEDX SPOTLIGHTS

**THESE SPECIAL DX'ers and SWL's**

**David Sharp, Editor**

**17602 Meadowbridge, Lutz, Florida 33549**

**Deadline: 12th of month**

Welcome to another month of SPEEDX Spotlights! I would first like to apologize to Robert Desrosiers, whose name should have been included in last month's Full Member list. Sorry about that, Bob! Now, on to the Full Members for this month, via John Trautschold.....

A big SPEEDX welcome to eight new FM'ers!

ROBERT ADAMS.....MA	PIERRE DUCOS..FRANCE	DAVID KEENAN.CA
JASON BERRI.....CA	JAMES SMALLWOOD..FRG	JOE TALBOT..ALB
WILLIAM PARKS.....FL	MICHAEL MAHONEY...FL	

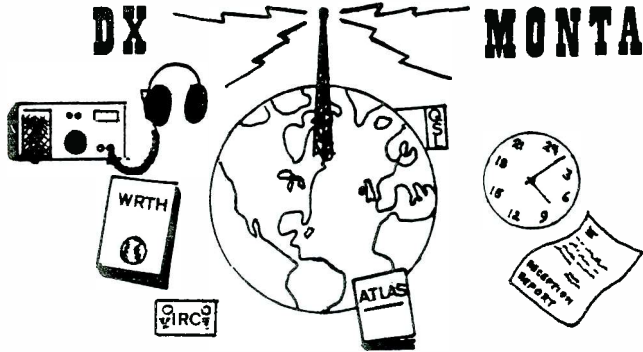
This month, we welcome 37 new and rejoining members.....

LUIS MENDEZ W. NEW YORK, NJ	JOE FARRIS POCATELLO, NY	STANFORD SHAW LOS ANGELES, CA
RAYMOND GILLEY HAMPTON, VA	W.L. BRITTON HOBE SOUND, FL	BRIAN SAADE WHITTIER, CA
ANDY FINN MARION, IL	CLAUDE HAYDEN WOODLAND HILLS, CA	MARTI ZOHAR STUDIO CITY, CA
JOHN MICKLES PORTLAND, ME	MIKE RYAN BURLINGAME, CA	SENSHU SHIMADA TOKYO, JAPAN
BERNARD BIRON MANCHESTER, NH	GEORGE MONTROSS KINGSBURG, CA	JOHN ACKERMAN SANTEE, CA
JOE JESSON LAKE VILLA, IL	PETER SZABO HERINGTON, KS	UMDX WINNIPEG, MAN.
HAROLD LEVON DOUGLAS, ISLE of MAN	BILL GRANT WORCESTER, MA	HERB BARBER ALBANY, NY
TAKANORI NISHIMURA OSAKA, JAPAN	ROBBIE BEREZOWSKI SASKATOON, SASK.	NEAL PERDUE FALKVILLE, AL
CHRISTOPHER KISSEL ISLIP TERRAVE, NY	J.W. DEESE LEXINGTON, KY	STEVEN ABBOTT OLNEY, IL
DAVID NORCROSS BAKERSFIELD, CA	MARSHALL CUBITT SMITHS FALLS, ONT.	JAMES ERICKSON DANA POINT, CA
WILLIAM ZAVEDA DON MILLS, ONT.	MICHAEL FEMYER PHOENIX, AZ	CLAIRE HUARA SAN DIEGO, CA
ALVIS TUCKER ST. PETERSBURG, FL	STEVEN SONENSHINE ATLANTA, GA	JEROLD IRELAND GALLATIN, TX
	WAYNE STROJOHANN WANTAGH, NY	

See you in DXM,  
73's David

# DX

# MONTAGE



DAVID SHARP  
 17602 MEADOWBRIDGE  
 LUTZ, FLORIDA  
 33549-5576  
 DEADLINE: 12th of  
 the month

contests\*club info\*tips  
 anecdotes\*humor and fun

Well, March is supposed to be the month with the wind. But the other PM Mother Nature decided to pull a fast one, as we had some real rough weather. By the time the storm had passed, my beam had gone bye-bye, so now I'm back to DXing with a dipole. With luck, I hope to get things straightened out before too long, as I take full advantage of the holidays to DX! Some great contributions, as well as some important messages from HQS this month, so I guess I had better get started!

As briefly mentioned last month, SPEEDX is still in need of a new publisher. If interested, you can write to Don Johnson, who is responsible for the publishing of our monthly bulletin, or to John T. (QTH is in last month's issue.) The club would like to find a group to take over this chore if possible so the bulletin may be put together by a crew each month, thus saving the club a bunch of bucks in cost of publishing. Also, SPEEDX is still in need of a Business Manager for HQS. We are looking for an honest, reliable person with 5-10 hours a week to give. They must have a permanent address and be willing to make a commitment of at least several years. No students please as you have enough to do earning your education. The job includes record keeping, etc (duties are described in the constitution). If interested, drop a line directly to Don Johnson, 17770 Strickland, Elsinore, CA 92330.

SPEEDXer Peter A. Conway says he and his family are hoping to visit Canada and the U.S.A. next summer, for about three weeks, and would like to get in touch with any SPEEDXers interested in either 'home-swapping' or just renting out a house. Anyone interested please write Peter at: 1 The Woodlands, The Ridge, Hastings, E. Sussex, TN34 2SF, England.

The SPEEDX SW Popularity Poll results are in! During past months, I have been asking you to send in your votes for the most popular stations, shows, and personalities on SW. Those votes have been tabulated, and the balloting went like this:

- |                                   |                       |                   |
|-----------------------------------|-----------------------|-------------------|
| <u>*THE MOST POPULAR STATIONS</u> | <u>*PERSONALITIES</u> | <u>*PROGRAMS</u>  |
| 1. Radio Canada Int'l             | 1. Ian McFarland      | 1. SWL Digest     |
| 2. BBC                            | 2. Jonathin Marks     | 2. Sunday Morning |
| 3. Radio Australia                | 3. Bob Cadmen         | 3. Media Network  |

From the looks of this poll, it appears shortwave listeners now place a high emphasis on news--most people who listed the BBC did so just because of their news coverage. DX programs also made their mark, but surprisingly, few if little variety or entertainment programs were nominated by the membership. ....Thanks to all who took the time to participate in the poll! ds.

Major Changes at Radio Australia: According to Lori Klosowski-FL, several DX programs, including RN's "Media Network," RCI's "SWL Digest," and SRI's "Swiss Shortwave Merry-Go-Round" are asking listeners to write the controller of Radio Australia asking for the return of "Spectrum" with Dick Speekman. It also looks as though both the NAM and European broadcasts from RA have now been discontinued. Those of you who want to react to this measure should also drop RA a line. I know I am.....ds.

Personal Note from Peggy Thompson: Many thanks to all of you who voted for me. I'll do my best to serve you again on the BOD, but please remember we are only as good as you make us. Your input is very welcome. (5)

I'm outta room on this page, so I'll see you on page two of DXM! ds.

The Lighter Side: Disc jockeys beware. Here's something else that could go wrong on the air. A Detroit DJ locked himself out of his studio Monday, leaving listeners listening to 45 minutes of silence.

Concerned listeners, worried that perhaps Carl Grapentine had suffered a heart attack, called police. Grapentine says, "I stepped out into the lobby...before realizing I'd locked the keys inside the studio."

Monday was Labor Day, and the only other person in the building was a security guard, who didn't have the right key. Grapentine finally realized that a little-used freight elevator could reach the back of the studio. He was met in the studio by police, summoned to the scene by listeners.

Asked if his bosses had called to complain about the long silence, Grapentine said, "Who knows? I was outside." Via the Tampa Tribune (ds.)

New Feature to Air on DXPL: Ken MacHarg has developed a radio version of his popular book Tune In the World that will be featured on HCJB's DXPL. The new series, like the book, contains SW station profiles and programming info and can be heard on the Monday editions of the DX Party Line. The program can be heard in several parts of the world (check WH column for times and frequencies..ds.) Tune In the World is published by Miller Publishing, 424 West Jefferson St., Media, PA 19063, and is available for 11.99 plus 1.50 postage.



Part Three...I Was a DXer For Warden Slate, a story by John Demmitt, PA: ...He told me he was reading several DX magazines when he noted that all of the great DXers were getting QSLs from all over the world and his were only from the big superpower transmitters. He told me he was going to cover all the broadcast frequencies using his captive DXers to do his monitoring. He showed me the job assignment sheet which included the printing of IRCs which were sent to unsuspecting stations. I was convinced that Slate was determined to get more QSLs than any DXer could in a lifetime. Soon everything was set. The monitoring was to begin with the first prime time transmission of Kol Israel that evening.

When I returned to my cell I found my receiver and instructions. The frequency I was required to monitor was 9770 kHz. This in itself was an experience because I was instructed to monitor between the hours of 3:00 PM and 11:00 AM seven days a week leaving me with just four hours of sleep during non-activity of the frequency...So folks, how long can Slate keep this up? Will he be stopped? Find out next month! (ds.)

Pin the Tail on Ye Editor: Congratulations to Peter Card of RI, who knew last month's logo was that of Radio Korea. Also, congrats go out to Gary Bledsoe-FL, a late entry in the October contest. He'll be getting a SPEEDX bumper sticker. Now this month's quiz, and it's an easy one! Once again, we feature the logo of a popular SW station, this time in Europe. The first person who can identify the station will win a SPEEDX Basic Information Pamphlet, or a bumper sticker. State preference with your entry. Deadline is the 12th.....



Anybody hear the invasion of Grenada on the radio? If so, and if you have a recording, please get in contact with me. I have had several inquiries from SPEEDXers needing a tape, but have been unable to help them out. ds.

Via John Demmitt: Radio Communications Society of the World, formerly known as Senior Citizens Amateur Radio Society, is currently accepting applications for membership. Those interested in amateur radio or shortwave listening may receive additional info by writing to: R.C.S.W., P.O. Box 5631, Ithaca, NY 14851. An SASE is appreciated.



Thanks to John Gunter-NC for this. On to page three of DXM...ds.

**SPEEDXer Robert Leary** of Galaxy Electronics has just sent a new catalogue just chock full of new items, including the new ICF-2002. Most items are way below the list price...and if you'd like to see for yourself, then write to Galaxy Electronics at: 67 Eber Ave, Akron, OH 44309. Robert requests 1.00 for the catalogue, which is deductible on order.....

**Radio Deregulation:** Deregulation of radio broadcasting has neither bankrupted the industry nor led to abuses of the new freedom, according to the president of the National Association of Broadcasters.

Edward Fritts said during a recent San Francisco meeting of the NAB that the marketplace acts effectively as its own regulator of the radio industry. If stations don't produce programming the public wants, he said, those stations go out of business.

He said deregulation ended unnecessary rules such as the one limiting the number and length of commercials. "Our government in the last 20 years has grown into a bureaucracy," Fritts said. "A lot of people in Washington do things to keep other people employed." Fritts himself owns eight radio stations in Louisiana. Thanks to the Tampa Tribune for this....ds.

From **Don Johnson-CA** comes word that ANARC has just published a list of its member clubs, what areas they cover, a brief description of their bulletin, and how to obtain a sample copy. To get a copy of ANARC's club list, send 25¢ and a business sized self-addressed, stamped envelope to: ANARC Club List, 1500 Bunbury Dr, Whittier, CA 90601. If you live in Canada, send 50¢ and a SASE, and if you're overseas, send 3 IRC's. Also, next year's ANARC convention will be held in Toronto, Canada on July 20-22 and is sponsored by the Ontario DX Association. For more info, write to: ANARCON '84, 3 Camrose Crescent, Scarborough, Ontario, Canada M1L 2B5.

**JADX** offers a cassette of interest to DXers: Toshiyuki Watanabe, JADX member, has produced a recording of Indochinese stations. These 90 and 60 minute cassettes include 78 recordings of radio stations in Burma, Laos, Kampuchea, Thailand, Vietnam, and some clandestines. The two cassettes and a list of stations are available for 13.00 airmail. For Japanese SPEEDXers the price is 2000 Yen, surface mail. Make monies payable to Mr. Toshiyuki Watanabe, 24-26 3-chome Hiyoshidai, Yahatanishi-ku, 807 Japan. And you thought havin' to spell out Meadowbridge was bad, hi! ds.

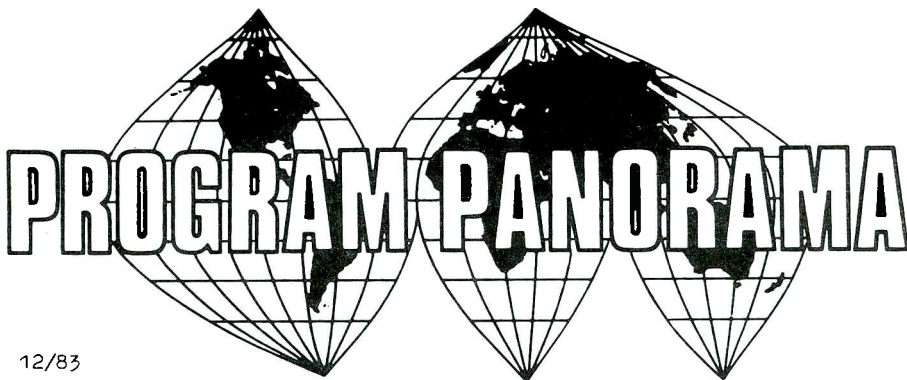
**New Feature for DXM:** Computers are having a greater influence on our hobby each day. This alone is evident through many of the letters I receive each month. Therefore, I have decided to begin a 'Computer Corner' within DXM. Do you have a hobby-related program? Send it in! Perhaps you're having a problem with your computer. Let us know about it and we'll see if we can't help you out. As for myself, I'm just getting into computers, as I am taking a computer math class at my high school...and as such, have access to some 64k IBM's. Real nice equipment! (Tom Sable, thanks for your letter, and I hope I've answered your question, ds.)

With the upcoming DX season, now is the time to buy your copy of the SRGU (SPEEDX Ref. Guide to the UTEs.) In NAM the SRGU is available for 12.00 book rate or 14.00 first class...overseas readers please write for price info. Note that the binder is the major cost of the initial purchase; future sections will cost 2-4 dollars (NAM). Available sections include: BASICS, which covers the low-down to receiving UTEs; MORSE CODE PRIMER, very helpful to those getting started in CW; COMMERCIAL AERONAUTICAL, which inc. Volmet frequencies, etc; SLPFB, which covers Single Letter High Freq. Beacons; and the USCG, which discusses the U.S. Coast Guard....The SRGU is a must if you DX the UTEs, and can be ordered from HQS in Elsinore.

**Odds 'n' Ends**, and then it'll be adios until next year. With Christmas just a few short weeks from now, it's time to reflect on the past year. It's had its ups and downs, but overall, 1983 wasn't a bad year. My resolution to SPEEDX for 1984 is that I hope I can continue to improve DXM and hopefully present a both interesting and informative column. You can help me to do this by contributing often! Until next year, have happy holidays, and all the best from the little-known town of Lutz.

**CRACKER COUNTRY:** You really know you're a DXer when you ignore the ladies at a radio convention, but get turned on by an R4B with the back panel down.....

73's David  
Sharp



# PROGRAM PANORAMA

12/83

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

AUSTRALIA...Radio Australia's new schedule confirms what was reported here last month--that a separate North American frequency would no longer be used during the transmission day. However, the practical effect of the move may be to provide North Americans with extended coverage from RA. Beams to the Eastern & Western Pacific Islands are well heard here and provide a possible 14 hours of daily programming from the station. Times and frequencies include: 1200-1600 UTC on 9580, 0200-0800 & 2100-0100 UTC on 15160 (only 10 kW), 0200-0400 & 0500-0730 UTC on 15320 and 17795 and, finally, 2130-0100 UTC on 15320 kHz. The 9580 frequency has been well-heard here in the morning hours and this 4-hour block will probably be the most consistently heard of the frequencies. The other frequencies are not consistently heard here in the East--reception varies with the seasons. Programming-wise, RA has replaced SPECTRUM with TALKBACK. Host Barry Seeber's DX program is a new one, so we would welcome comments from SPEEDXers about it. Next month we will report on some new programs from RA. (Direct)

CHINA (REPUBLIC OF)... "The Voice of Free China broadcasts in English 0200-0255 UTC on 5985 kHz. This is broadcast...as a relay from WYFR Florida. The fact of its local origin should not detract from its interest. Taiwan sets up a "featured artist" whose songs (usually Chinese language pop songs with much U.S. rock flavor) are interspersed occasionally throughout the program. The music is worth listening to, although one would desire more traditional Chinese music. The program contents are quite propagandistic when news or economic reports are given, bragging about constant progress and dedication to Reaganite Free Enterprise. Taiwan often, but not always, gives in the middle of its broadcast a lengthy reading of folk tales (which, for those of us interested in such--I am a professor or comparative religion--are useful.... However, I wonder if they would not bore the lay audience.) The quality of reception here is superb, but I would wish for more music and less obviously self-slanted talk." (Thanks to Stevan Davies of PA for this interesting comment)

ECUADOR...HCJB broadcasts SONGTIME WEEKEND 0200-0230 UTC Sunday (right before DX PARTY LINE) on 9745 and 15155 kHz. The program features contemporary Christian music, interviews and messages from well-known evangelical Christian leaders. Also, RADIO BIBLE CLASS can be heard Sat 1430-1500 UTC on 15115 and 17890 kHz. (Don McCants, AL)..... HCJB has issued a new English schedule in a booklet format. It features articles on programs and a program listing. Write to Box 691, Quito, Ecuador for your copy...HCJB should be providing special programming for the Christmas season this month. (WS)

GERMANY (FED. REF.)... "In the September "Tips and Topics", Phillip Dampier said that 'Radio DW...generally only broadcasts talk programs with a minimum of musical entertainment (except the German service).' While, in principle, that is correct, there is one noble exception--on Sun nights (Mon UTC). After the news and commentary on that night, the DW English broadcast has about a half-hour of music. What they (GA) broadcast varies from week to week--from serious to jazz." (Ralf Munster,

IRAQ...Radio Baghdad broadcasts in English to Europe daily 2130-2230 UTC on 9745 kHz and to North America 0300-0400 UTC on the same 9745. Daily features are: NEWS BULLETIN, THE POLITICAL PROGRAM, THE PRESS REVIEW. Weekly features are: Sun ECONOMIC PROGRAM, Mon WITH THE WORLD PRESS, Tue IRAQ AND MARCH OF THE FUTURE, Wed THE CULTURAL PROGRAM, Thu PALESTINE PROGRAM, Fri POST BAG CORNER, Sat QUESTION AND ANSWER PROGRAM. (Ruth Hesch, NY; E. Lipman, NY; Barry Brenesal, FL; John Dillaman, OH; Rick Drollinger, WI)(A popular station!-WS)

PUBLICATIONS...Perry Ferrell of Gilfer Shortwave announces a new softbound 200-page computer printout of shortwave broadcasting schedules will be published in December. RADIO DATABASE INTERNATIONAL has contributions from many well-known SWLs around the world. Price is \$9.95 (for orders before 12/31/83) and \$11.95 thereafter. Write to Gilfer at P.O. Box 239, Park Ridge, NJ 07656 for more info.

SOUTH AFRICA (REP. OF)...Radio RSA will probably have their worldwide call-in show on New Year's Eve again this year. In past years, they have begun the program after the English Service to Europe ended at 2200 UTC on December 31. It extends to the start of the English Service to North America at 0200 UTC on January 1. Frequencies used were in the 19 and 25 meter bands. Give it a try this year. (WS)

SWITZERLAND...Swiss Radio International has published their new English program booklet for the period beginning November 1983. It contains details of SRI's programs and features an article on why the station presents detailed news coverage when so many other SW stations feature news programming--it's called "The Need for Choice."..... DATELINE continues as the Mon-Fri staple of SRI's programming. On Sat you can hear THE GREAT SATURDAY GRAPEVINE (1st, 3rd) or THE SWISS SHORTWAVE MERRY-GO-ROUND (2nd, 4th). Sun features IN PERSON (Swiss personalities talk about themselves, 1st Sun), ROUNDABOUT SWITZERLAND (tour of lesser-known Switzerland, 2nd Sun), SUNDAY SUPPLEMENT (in depth of topics of the week, 3rd Sun), LET THERE BE MUSIC (4th Sun), TAKE FIVE (Richard Dawson takes a tongue-in-cheek look at life in Switzerland, 5th Sun). (Thanks to James Cox, CA and to SRI for this information)

UNITED ARAB EMIRATES...UAE Radio, Dubai has a MAILBAG program in the English Service, presented on Fri, Sat & Sun of the weekends at the beginning and middle of each month. See November Station Skeds column for a complete schedule from the station. (Chris Stark, NB)

USA...Glenn Hauser advises that his WORLD OF RADIO program broadcast over WRNO has the following schedule: GMT Sat 0530 on 6185, GMT Sun 0230 on 6045 and Sun 1400 on 9715. He has been assured by WRNO that this is the final sked for quite some time...John Demmitt, PA, a regular contributor to this column, has written that WORLD OF RADIO is his favorite SW program. "It is very informative, up to date and fast-moving," writes John...WRNO is now relaying the programs of Radio Earth. Tune in daily at 0400 UTC on 6185 for an interesting hour-long program of information and music. (Donald Hosmer, MI) Next month we will present more detailed information on Radio Earth. Reception here has been reliable and with very good quality...a far cry from R. Clarin!(WS)

UNITED KINGDOM...BBC World Service has increased the amount of special programming for Christmas this year over that of recent years. For details of many of these programs, tune in IN THE MEANTIME--ITS CHRISTMAS on the 22nd @ 2115, 23rd @ 0145 & 1115 UTC.... QUEEN ELIZABETH'S CHRISTMAS BROADCAST can be heard on the 25th @ 0930, 1500 and 2245 UTC.....FESTIVAL OF NINE LESSONS AND CAROLS is an annual treat of beautiful music and verse. Tune in on the 24th @ 1502, 25th @ 0030 & 0935 UTC.....WELCOME YULE is the title of two programs of music for the season by the BBC Singers (a chamber choir). 1st--27th 2230 & 28th 1130; 2nd--29th 1709, 2330 & 30th 1130.... PICK OF THE YEAR features Margaret Howard of LETTERBOX selecting excerpts from BBC programs during 1983 that she found most interesting, etc. It will be broadcast in the last 2 LETTERBOX slots of 1983. (Direct) Happy Holidays! WS



## DREAM RECEIVER OF THE 1930's

### THE SCOTT PHILHARMONIC

BY RUSS MAPPIN

Notwithstanding that present day receivers are vastly improved from those of forty/fourty-five years ago, there was one, the Scott, which was always recognized as an outstanding performer for its time. Most of the famous ocean liners of the day were equipped with one or more of these receivers because of their extremely high quality performance and an uncanny ability to receive broadcasts from all corners of the world.

Circumstances in the 1930's prevented my owning one, but a love affair with the Scott receiver was begun at that time and continues to this day. I wrote for and obtained brochures, regularly, from Mr. Scott and my interest was constantly increased. Not the least of my appreciation stemmed from the knowledge of the rigid standards under which each set was assembled, something virtually unheard of today.

Each and every component received from the supplier was tested; not by a random sampling, but EACH one was individually tested! Capacitors were tested to several times the voltage values to be encountered in the receiver. After component selection, the receiver was built, not on a production line, but individually, by expert laboratory technicians. Upon completion, alignment, and initial testing, the Scott receiver was put thru a formidable series of tests, the last being a rack-test over a 12-hour period (one hour on, one hour off, etc). This alternate heating and cooling represented the final effort to bring out and weakness or defect which might exist. If any of the characteristics had changed, the cause was determined and corrected and the entire series of tests were performed again, including the 12-hour rack-test!

So, perhaps you can understand now why I searched at intervals over the past 35 years to find a used Scott receiver, and finally found one. For forty-five dollars, in "as is" condition, I at last obtained a Scott Philharmonic receiver in Trenton New Jersey. Upon unpacking it, its apparent condition was extremely disappointing. It had been stored in a damp place and rust spots appeared thru the chrome finish. The 12 coil shield cans were black from lack of care and the twenty-two tube shields were almost beyond restoring. I accepted the challenge and began the restoration, much as an antique car buff restores an antique auto.

A liberal use of chrome polish, fine sandpaper, and muscle power gave a start to the like-new condition I wanted. Grounds were located and corrected by replacing capacitors and resistors, and soon, the receiver was in operating condition. Another surprise! This time a pleasant one. Such sensitivity, selectivity and fidelity I never expected! A brief description of the circuitry will explain the reason for this excellent performance.

As can be expected, the circuitry is complicated when 30 tubes are employed. Starting with the antenna pick-up, this model of Scott incorporates two RF stages, with three tuned circuits, which account for its sensitivity to weak stations. The converter and oscillator are two separate tubes, voltage regulated to eliminate drift. The two convert the in-coming signal to the IF frequency of 465 kHz. A four stage IF amplifier is used. This is also a complicated but interesting series of many novel features that add materially to the receiver's high quality. After detection, the signal, or audio part, passes to yet another complicated audio amplifier circuit, using a total of ten tubes. At the start, it features the usual first amplifier feeding the second stage, a phase inverter; then comes a push-pull volume range expander; this into a two tube driver stage followed by the output stage of four 6L6G tubes utilizing the inverse feed-back principle. These four tubes used in push-pull parallel, together with the specially designed driver stage, allow 75% of the gain of the 6L6G tubes to be used for distortion cancellation in the tubes themselves! This means that the last traces of distortion are cut by a factor of 4 to 1, resulting in an output of 40 watts of pure class "A". One has to actually hear one of these old classics to appreciate the difference. If you ever get a chance to listen to such a receiver, by all means do so. You will be amazed!



(Dream Receiver, cont)

The speaker was especially designed for high-fidelity reproduction and heavy duty performance. A 15" curvilinear diaphragm and a heavy 2" voice coil was built to Scott specifications by Magnavox. Certainly different from the 3" or 4" speakers in todays receivers!

The receiver covers a range from 150 kHz to 60 MHz in six bands on an eight inch lighted dial. A travelling spot points to the approximate frequency and a logging dial is provided. In practice, as I used it, the Drake SPR4 is tuned to the station being received on the Scott, and the Drake dial read out gives the frequency to which the Scott is tuned. There were no digital frequency readouts in the 1930's!

By carefully adjusting sensitivity below the local noise level, and the selectivity to the required amount (Which is continuously variable from 2 to 16 kHz), then with careful tuning and volume adjustment, any weak signal can be brought up to a comfortable listening level.

Besides providing me with excellent DX, the Scott receiver also serves quite well to keep the shack(in Eastern Washington State) nice and cozy, hi! As an actual fact, the room is at 70 degrees. A thermometer was placed on the speaker(which produces no heat in itself)but the power supply/amplifier just below, with its two 5Z3's and four 6L6 tubes, causes the thermometer reading to reach 95 degrees! The back of the console is open so the heat circulates into the room. Truly a "HOT" receiver, hi!

So, after nearly four decades of searching, I found my "Dream Receiver". I enjoyed the many hours it took to restore this fine old receiver.

(Editors note: This article is re-written from the December 1973 SPEEDX. We thought this article to be of interest to members who have joined the club since then. Here is a thought to keep you awake nights:Can you imagine what kind of a SW receiver could be produced today with the modern components and technology if the same "hand crafted" care was used? It would certainly be a fabulous receiver! As a side note, this editor had the privilege to see Russ's Scott receiver in person a few years ago. Really a sight to behold! All that chrome in a beautiful cabinet. QUALITY audio! Not like the tinny sounding rigs of today. Oh well, I guess that is what is called progress.....Don Johnson)

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NOTES FROM PUBLISHING HEADQUARTERS..... JOHN TRAUTSCHOLD.....

Yes, we are still publishing here in Menomonee Falls, WI and probably will be for some time yet unless one of you step forward to help out. I've started the new job now in Chicago and am commuting back and forth each day...a minimum of 4 hours per day, depending on traffic. This leaves me little time for SPEEDX, so if your bulletin is a bit late each month, that is why. I will do the best I can as long as I can, but will not tolerate any mail complaining about late bulletins, unless there is an offer to help in there - hi! We will let you know as soon as we get a new publisher.

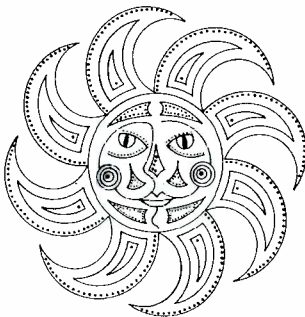
SPEEDX HQ's: Yes, we are still looking for someone to take over HQ from Don Johnson. See DX Montage, page 3 for more info on that. The person we had lined up for the HQ job decided not to take it due to personal reason, and very valid ones at that. We do thank him for the thought however and hope that everything works out for him.

ASIA/OCEANIA: WHERE IS IT? Good question! As of Nov 26 it still had not arrived so we decided to go to press without it. This was to be Terry Lindley's last month with that column too, due to increasing personal demands. Terry has been a very faithful editor for SPEEDX for many years, always on time, etc. etc. We thank him very much for his years of work for us and hope he'll consider editing again someday. Maybe Terry can get his goodbyes in in next months column with the new editor. By the way, that new editor is:

BOB THUNBERG  
409 Burt Street  
DuBois, PA 15801

Make sure you send the January loggings to Bob next month, instead of Terry. I'm sure that any that go to Terry accidentally will be passed on. In addition, we are always looking for new editors. Our file of possible editors is getting a bit thin and we would like to build it up. If you are interested in becoming a staff member, please write to our managing editor, Mr. RICK DROLLINGER, 9529 W. Sarasota Place, Milwaukee, WI 53222.

Finally, TRILINGUAL REPORT FORMS: Guess what, you must now send to me to get these forms. Vera Crable is no longer our Membership Chairman. So, if you qualify, please send your request to SPEEDX, P.O. Box 861, Menomonee Falls, WI 53051-0861. I will get them to you as quickly as possible, but remember I am under time constraints right now. Thanks in advance for your patience. (John Trautschold)



## SPEEDX Western Hemisphere

**EDITOR:** JOHN CEREGHIN WJK3IAO  
6812 Pickett Drive  
Morningside, Maryland  
20746 USA

**Deadline: 12th**

All times and dates UTC. All fqys in kHz

### DECEMBER....., 1983

Well, hello once again, and welcome to the wild, wonderful world of W/H. It's been a very busy month here, with yet another new station in Costa Rica, news of a possible external service out of Suriname, and of course, the invasion of Granada. Gee, I have so much info, I don't know where to start!

Joe Talbot, up in Alberta, gave a call to me, saying that for one reason or another, CKFX in Vancouver on 6080 was putting in a very good signal in early November. Joe said that it was so good, I (me!) might even have a shot at it! Well, as of 11/12, I have had no such luck, but it makes me wonder if CKFX might have upped power or something. Or maybe it was just one helluva opening. Whatever, it certainly peaked my interest in the upcoming XK seasons' possibilities. Why don't you keep an ear on 6080 for CKFX, just in case they start booming through again? If anyone in the East hears them, give me a call.

We have several reports of one, or maybe two new stations in Costa Rica. R. Columbia on 4825 is a new one, possibly out of San Jose. Sign off seems to be around 0500. Baseball, soccer, news and political commentary seem to be on the menu. I don't have an address yet, but give me some time. We also have a R. Periodico that was heard on 4830. R. Reloj has been erratic during the same period. See Costa Rica for all the juicy details.

### WBI news

CLANDESTINE, R. Venceremos gave this address on a recent broadcast : P.O.Box 71-907  
Mexico D.F. Mexico.

SURINAME, In a circular from the ITU's IFRB dated 8/30, Suriname has registered frequencies which would emanate from a 100 kw transmitter in Paramaribo. The tentative schedule for the D-1983 period is as follows...

1700- 2200	21685 to Western Europe
0500- 1000	11790 to Western Europe
2130- 0200	9630 to Caribbean
0200- 0530	9590 to Western Europe
0900- 1100	1600- 1800 2300- 2400 on 6020 to Western Europe

No languages were given.

COSTA RICA, R. Impacto inaugurated its new 20 kw transmitter on 9/15.

BELIZE, here is the domestic service sked for R. Belize on 3285.

Transmission times	1100- 1200	1200- 0505	(no Sunday Morning xmission)
1130-1135	news (not on weekends)	1845-1900	news in SS
1245-1255	news (not Sunday)	2000-2010	news (VOA relay on Sunday)
1300-1310	news (BECWS mx on Sunday)	2100-2105	news (not weekends)
1315- 1330	"Views of the News" (Sunday)	2200-2205	news in EE/SS (not weekend)
1400-1405	news (not Sunday)	2300-2305	news in SS (not weekends)
1500-1505	news (not Sunday)	0000-0025	news in SS (not Sun/Mon)
1600-1608	news in EE/SS (not Sunday)	0030-0035	Program Preview (not Mon)
1700-1705	news in EE/SS (not weekends)	0100-0115	News at 7
1800-1805	news headlines in EE/SS (not Sunday)	0115-0120	news in SS
1830-1842	news	0300-0310	BECWS news relay
		0500-0505	news (not Sun/Mon)

I have a good bit more I'd like to say, but I have so many logs this month, I'll run out of room before I fit them all in! A bumper crop this month, with some old friends we haven't seen in a long time. Well begin with Argentina on the next page!

**ARGENTINA**

- 11710 0500 RAE, TPs, ID //15345 (343 10/19 Cadorette MA):0100 EE (333 10/25 Alexander NC):0359 GG (433 10/6 Hotaling NV)(Kephart MI)+3
- 15345 0445 RAE, EE, Report on the Malvinas, mx, friendly annncr Tony Middleton (333 10/12 Burke VA):0108 (222 11/5 Hledsoe FL)(333 10/22 Leeman RI)
- Just a reminder that R. Rivadavia 5882 is an AM feeder and not a SWBC station. Reports should go to Mike Chatak.

**BOLIVIA**

- 4755 0944 R. Emisoras Bolivia, instr. vocal selections. ID, fairly good sig (10/2 Barto CT):1030 f/out (242 10/20 Schlesinger TX)
- 5975 0936 R. Nac Cochabamba, caught ment of "R. Nacional en Cochabamba" at tune-in, then non-stop huaynos to K0ed by Macarena at \*0951 (fr 10/8 Parks)
- 6025 0000 R. Illimani, ments of RI (not Rhode Island folks! jc), ads and ments of Bolivia (222 10/8 Ulmer LA)(252 10/13 D'Angelo PA) at 2254
- 6105 1029 R. Panamericano, s/on amnt, ID, QTH given, ads for Banco de Credito and Tarjeta QSL which they said they'll send out to anyone who writes them. CP folkloricos (10/5 333 Wilczek IL)

**BRAZIL**

- 3315 2200 R. Assuncao, ID, lots of talking, several Braz cities mentioned. Weak sig (10/2 Barto CT)
- 3375 0915 R. Nac Sao Gabriel de Cachoeira, typical Braz ballads, ID @0928 (444 10/31 Huffaker MEX)
- 4765 0840 R. Emis Rural, Santarem, occasional Braz "C&W" mx btwn DJ chatter. Ads, ID @0859 by OM (fanfare) "ZYI534 onda media, 1320 khz, ZYG363 onda tropical, 4765 khz, R. Emis Rural, Santarem, Brazil. Radio emisorado? Para do Sul" (fr 10/8 Parks FL) Huffaker MEX)
- 4765 0427 R. Nac Cruzeiro do Sul, clear ID. Cuba and Inca off (443 10/28)
- 4775 0920 R. Cultura de Sergipe, chatty OM DJ w/Braz C&W, accordion mx. OM ID @ 0930. Rapid QSB @0935 (fr/pr 10/29 Parks FL)
- 4865 0734 R. Sociedade, ZY mx, OM annrc in PP w/few ments of R. Sociedade, G:IL-3 TC (222 10/6 Wilczek IL)(tent pr 10/8 Parks FL)/// 11/4 Mahoney FL)
- 4875 0925 R. Nac Boa Vista, Braz ranch mx. ID, usual Radiobras type at 0930 (232 10/11 Wilczek IL)
- 4895 0401 R. Para, a short ID "4895 R. Para" then PP ballads (its been a long time since the meter has gone high on Manaus)(544 10/8 Huffaker MEX)
- 4915 0735 R. Anhanguera, OM, Braz ballads (24 hours now?)(333 10/11 Estes MS)+2
- 5015 0920 R. Cult de Curitiba, ad string, Braz country mx, many ments of Mato Grosso (242 10/16 Mahoney FL)
- 5025 0145 R. Borboena, OM, 0200 ID, sounded like a singing announcement, Braz mx (232 10/18 Stone ONT)
- 5045 0839 R. Cult do Para, mx? Anchor throwing show to woman on location, later to OM. ID around 0851. Don't they ever ID in Brazil on the hour? (What?! And spoil us? jc)(433 10/10 Brenesal FL)(545 10/29 Raymond NH)+2
- 5955 0845 R. Gazeta, PP/JJ, lite LAm mx, then fade out (222 10/16 Famularo NJ) (Ralph told me that it isn't so weird that some Brazilian stations broadcast in JJ. He said that there is a sizable number of Japanese in Brazil, I guess mainly around Sao Paulo. jc)
- 6020 0720 R. Universo, relg pr. Pastor teaching Braz gospel songs to his flock, which sang out with gusto! Now 24 hours. //9545 also hrd (barely). VOA s/on at 0730 on 6020 ruins them. Back again really good 0800 when VOA clears freq. That relg pr is annod as "a programma 'A Voz da Libertacao'" , so that is not the name of the station, but the pr name. Still carrying "Libertacao" at 0811 tune out. Curitiba mentioned 0808. OM throughout (433 10/20 Palmer WA):ID "Emisoras Brasilienses de Radio Universo, com seus estudios e transmissores em Curitiba, Parana" (333 10/29 Wilczek IL)
- 6035 2245 R. Globo, OM tx, ID, singing ads (444 10/22 Prath FL)(Ray PA)
- 6045 2330 R. Clube Paranaense, "campo" mx (like on XE's and some CA stns). A few promos and a few "R.C." IDs. Uses echo on pr info. Slight het. Looking for XEQ (gd 10/8 Sheedy CA) Miyauchi JAPAN)
- 6175 0805 R. Guarani, Braz mx, OM, sounds of "cock-a-doodle-doo!" (232 10/22)
- 6185 0740 R. Bandeirantes, campo mx, many ads. Sao Paulo and "Paulistas" freq mentioned. Unid co-chan JEM (322 10/30 Palmer WA)
- 9645 0045 R. Bandeirantes, soccer match, electronic noises (433 10/29 Famularo NJ)
- 9680nf 0959 R. Nac Amazonia, Amazon service. Full ID and net station list @1000 by OM. Ex "Brasoscope" w/noticias (gd 10/22 Parks FL):\*0754 (Palmer WA)
- 11780 0120 R. Nac Amazonia, Braz mx, OM (233 10/17 Alexander NC)
- 11915 0825 R. Gaucha, campo mx. AM tx show (252 10/22 Mahoney FL)
- 15270 2116 R. Nacional, Braz pop mx w/OM DJ. 2118 ID. Heavy flutter (333 11/5 Thumberg PA)

more Brazil on the next page!

- BRAZIL continued
- 15280 1838 Radiobras, EE, tlks on Brazil (fr/gd 10/31 Berri CA)
- 15290 0210 Radiobras, EE, News in Brazil (343 11/8 Weikel MI)(Karns OK)+4
- 15415 0042 R. Clube, soccer game (322 10/20 Moore TX)
- CHILE
- 6080 1003 R. Patagonia Chilena, mx to OM ID at 1004, then into natl mxcast from RN called "Ondas Noticiosas de Nacional de Chile" w/theme "Hey Look Me Over, Lend me your ear" and items by OM and YL. F/out 1020 (131 10/11 Stephany NY)
- 15150 0002 R. Nac de Chile, 1930-style vocal mx px (444 10/25 Hledsoe FL)(Ulmer)
- COLOMBIA
- 4785 0142 Fios del Combeina, current events px w/2 OMs, frequent breaks for IDs and commercials. Some machine copy and slight splatter from CAX8F @ 4790 (333 10/21 Schlesinger TX);0429 (322 10/9 Brenesal FL)
- 4845 \*0357 R. Duaramanga, bombed on top of R. Botswana w/LAM mx for abt a minute. Then back again at 0359 w/ad for px Mensaje Continental, ID and freqs, many slogans such as "RB, LV de reinado nacional..." and "RB, primera emisora de oriente Colombiana." Usual LAM mx on px "Colombiano del exterior". I'd rather be listening to Botswana (blasphemy! jc)(333 10/18 Wilczek IL)(433 10/3 Worob TX)(333 10/26 'Ms. GDE' Thompson CA)+5
- 4865 0920 LV de Cinaruco, px "Mananita el domingo" w/OM reading names of listeners from EJ who sent in reception reports. Campesina mx. Suddenly off at 0938 in the middle of a sentence and didn't return (333 10/30 Wilczek IL);0117 (343 11/1 Schlesinger TX)
- 4875 0615 R. Super, pop mx. ID 0631 (455 10/23 McKeon IN)
- 4915 1049 Armonias de Caqueta, s/on w/NA, ID (433 10/15 Huffaker MEX)(Mahoney FL)
- 4945 0600 CARACOL/R. Colosal, pop mx, strong sig. Good mod, 0624 ID (455 10/23 McKeon IN);0750 (444 10/11 Estes MS)
- 4975 \*1000 Ondas del Orteguaaza, NA, opening smnt by OM "Muy buenos dias amables oyentes de Ondas del Orteguaaza..." followed by LAM mx (10/18 444 Wilczek IL)
- 5040 0130 R. Cinco, LAM pop mx, ID "R. Cinco, programa musica" (333 11/6 Prath FL);0317 (343 10/27 Huffaker MEX)
- 5050 2355 LV de Yopal, armts, ID, ment of Cali and vocal selections. Het near freq at times (Barto CT)
- 5095 0039 R. Sutatenza, ID and LAM mx (434 10/1 Constantinides RSA); EE ID @03041 (433 10/18 Hevern NY)(Kephart MI)(Miyachi JAPAN)(McKeon IN)+1
- 5955 0949 LV de los Centauros, campesino mx, OM w/TC btwn selection, ID @0955 by OM. Weak het de unid sta (fr 10/22 Parks FL)
- 5975 1112 R. Macarena, ID in TC at 1113 (433 10/31 Huffaker MEX)
- 5980 \*0956 R. Nacional, looking for XEJU again, nothing found on or near the freq till this one signed on at 0956. Theme mx, then complete taped ID by YL w/QTH and MW freq. Then NA, opening statements by OM/YL, and into cultural px of some sort. XEJU hunters, beware of this irregular EJ outlet! (333 10/21 Cunningham OH)
- 6065 0412 R. Super, much LAM mx, IDs btwn each selection (333 11/9 Kephart MI)
- 6085 1109 Ondas del Darien, rel px w/OM preacher, a cappella singing group. Pretty noisy, but suprisingly strong (333 10/10 Schlesinger TX)(Prath)
- 6115 1130 LV del Llano, excited OM tx, starting to fade out (433 10/15 Prath FL)
- ECUADOR
- 3280 1102 LV del Napo, usual relig px w/ID at 1102 (343 10/15 Huffaker MEX)
- 3290 1010 R. Panamericanos?, assumed EJ by GMU-5 TEs and dedications to people in paracias. Faded by 1100, could not copy ID (322 10/31 Huffaker MEX)
- 3325 0816 Ondas Querdenas, ballads, ads for Qvedo (443 10/15 Huffaker MEX)
- 3395 0153 R. Zaracay, OM ment of RZ, into vocals. QSB and CW QRM (222 10/31 Ulmer LA)
- 4656 0335 CRE, romantic songs. 0345 ID. 0410\* (343 10/23 Stanley AZ)+2
- 4792 1054 Systema de Emisoras Atalaya, OM tx and LAM mx. 1102 OM px smnt ..."el (Systema de) Emisoras Atalaya la radio orgullosamente ecuatoriana presenta El Informativo Nacional." then started px (322 10/8 Tanaka JAPAN);0411, ments of Guayaquil (322/333 10/8 Cunningham OH)(333 10/8 Wilczek IL at 1058)(444 10/30 Huffaker MEX)
- 4795 0215 LV de los Caras, lively mx, non stop to IDs at 0226 (333 10/30 Huffaker) 2323 (fr 10/20 Parks FL)
- 4820 0850 R. Paz y Bien, firing up xmr w/semi-classical string mx in short bursts (that wouldn't get me fired up, hi! jc) ID and NA at 0902 (444 10/29 Huffaker MEX)(fr 10/8 Parks FL)
- 4850 1044 R. Luz y Vida, instr mx. OM ID "R. Luz y Vida, primera voz catolica de la patria..." then OM w/mass in SS (333 10/21 Wilczek IL)

YES! EVEN MORE ECUADOR AND W/H!

ECUADOR continued

- 4910 0320 Rmis. Gran Colombia, noticias internacional read by OM w/lots of items on Grenada. Frequent "CW" bridges btwn items. At 0334, series of taped promos, then ID as "La Cadena de Emisoras Gran Colombia, matriz de RCN Radio Cadena Nacional Ecuatoriana, (that's a net, not an ID or slogan jc)presenta el noticiaro RCN, la mas completa informacion del Ecuador y el mundo." Never seems to be an easy catch, weak tonight with lots of hets. Best on EGUSB (222 11/1 Cunningham OH)
- 4920 0400 R. Quito, big band mx, EZL mx. ID 0412 "R. Quito, la voz de la capital" (333 10/19 Stanley AZ)
- 4977 1106 R. Tarqui, TC (mx?) by OM. ID w/freq. I think I hrd as "R. Oyamba" at 1129 (232 10/16 Miyauchi JAPAN)
- 5015 1013 Escuelas R. Populares, ads. YL ID, Mexican hat dance playing in backround (I've never been able to figure out how they get those hats to dance. I've tried and tried to get my hats to dance, but...okay, I'll shut up..! jc)(433 10/11 Brensal FL)
- 5050 1115 R. Jesus del Gran Poder, EZL mx, YL ID. Heavy QRN (322 10/24 Gilster NJ): 1007 (443 10/14 Schlesinger TX)(fr/gd 10/28 Parks FL)
- 5063v 0439 R. Progreso, folk songs w/OM DJ and several ID jingles w/possible ads. Some rock mx. S/off armt by OM w/canned echo at 0500 then 2 min NA to 0503\* (433 10/30 Stephany NY): 0330, partial IDs as "...somos Progreso ..." and "...esta es Progreso..." (fr 11/13 Cereghin MD): ment 1370 khz outlet (232 10/13 Tanaka JAPAN): ID as "Emisora Progreso de Loja" (444 10/8 Huffaker MEX)

HCJB LOGGINGS

- 6095 0630 EE, IKPL (544 10/11 MacGibbon OR)(353 10/19 Bingham MA)
- 6130 0851 EE, Radio Bible Class (444 11/6 McKeon IN) +2
- 9745 0245 EE, IKPL (433 11/1 Duncan NC)(444 11/2 Talbot ALB)(433 10/24 Leonard ME)
- 9765 1300 SS, end of mx, into LAm mx. Latin svc. QRN 9760 VOA (343 10/8 Prath FL)
- 11900 2345 Quechua, children singing (353 10/16 Fraser MA)
- 11925 0720 EE, relig drama (344 10/31 Lieu CA)
- 15115 0228 EE, IKPL, "Today in Review" (444 10/18 Krist VA)
- 15155 0230 EE, IKPL (544 10/9 Gilmore MA)(333 10/13 Lutsky QUE)(444 10/16 Casavant QUE)(434 10/9 Langlois GA)(555 10/6 JFH MA)(433 10/24 Leonard ME)+2
- 15250 0031 EE "Thru the Bible" "Back to the Bible" (555 10/15 Krist VA)
- 15295 \*2129 EE, IKPL (343 10/15 Krist VA)
- 17825 1915 EE, Passport (454 10/17 Bingham MA)
- 17890 1348 EE, Morning in the Mountains (454 10/17 Bingham MA)
- 21480 1910 EE, Passport (343 10/14 Bingham MA)
- 26020 2130 EE, IKPL (343 10/8 Soomre MA)(322 10/9 Thin CT at 1308)+1

FALKLAND ISLANDS

- 2380 0018 FIBS, EE, interludes of lite mx. Fading, but coming thru regularly in South Africa (322 10/1 Constantinides RSA)(first report of this freq, Good catch! jc)

FRENCH GUIANA

- 5055 0940 TDF, FF, lite instr mx. ID @0920 (454 10/24 Raymond NH)(McKeon IN)

GUYANA

- 5950 0740 GBC, EE, very poor until out of slop at 0800 w/Early Bird Show. Lots of TCs, birthday greetings (333 10/26 Burke VA)(433 10/16 McKeon IN)

PARAGUAY

- 9730a 1000 R. Nacional, mx, ID, into Guarani (333 10/27 Leeman RI)

PERU

- 3310 1002 R. Bagua, surprisingly good, tho hetted. Caught end of sign/on, incl good ID at 1002. Into usual andino, a little mod-ish, run by OM (333 10/20 Schlesinger TX)(?? never heard of this one jc)
- 3330 1019 Ondas de Huallaga, ID thru CHU at 1020 (322 10/29 Huffaker MEX)
- 4745 0925 R. Hinta 2000, an hour of Andean mx w/excellent YL vocalist. TCs and IDs btwn selections. IDs both as RH "de Peru" and "dos mil" (343 10/15 Huffaker MEX):4746 0025 (pr 10/21 Parks FL): down from 4755 (Murff NH)
- 4762 0758 R. Inca de Peru, px "Serenata Andina", long ID w/reverb and px plugs at 0800 (444 10/29 Huffaker MEX)(333 10/29 Wilczek IL)
- 4775 0446 R. Tarma, LAm ballads, ads at 0451. 0456 ID (242 10/30 Huffaker MEX)
- 4810.2 1052 R. San Martin, western pops instead of huaynos. OM ID (232 10/14 Miyauchi JAPAN)
- 4815 \*1000 R. Amazonas, guitar mx. Full ID at 1001 (444 10/29 Huffaker MEX)

PERU continued

- 4825 1017 LV de la Selva, very good w/Andino mx, run by OM. Good ID at 1020. Some QRM from YVOB @4830 (333 10/19 Schlesinger TX)
- 4840 0326 R. Andahuaylas, dance mx. TCs "en R. Andahuaylas...". Good sig until someone fired up a carrier at 0351 (343 10/23 Huffaker MEX)
- 4854.6 0940 R. Pampas, vocals by both sexes (it's more fun that way, hi! jc), ment of Tayacaja and a long ID at 1002. Fair lvl w/het (10/2 Barto CT)
- 4860 0140 R. Chirichaycocha, LA ballads (not Andean). ID at 0141 and 0145 (242 10/31 Huffaker MEX)(fr 10/31 Parks FL)
- 4885t 1101 R. Huancavelica, very rural Andino mx, run by OM. Never too strong, and died after 1115 (232 10/11 Schlesinger TX)
- 4934 0343 R. Tropical, huaynos, short OM armts followed by "...en Tropical". Het off 4935, fluttery sig (pr 11/13 Cereghin MD):1005 (232 10/18 Wilczek IL)
- 4955 \*1005 R. Cultura Amauta, NA, ID: "OAX5S transmite R. Cultura Amauta, 4955 kos onda oorta banda de 60 metros, desde ciudad de Huanta...dpto Ayacucho, republica del Peru." OM tx on "Programacion de hoy." (232 10/8 Wilczek IL)(353 10/15 Mahoney FL)
- 4996 0940 R. Andina, Andino mx, run by low-key OM. Some WWW QRM was not as much a problem as the noise (332 10/7 Schlesinger TX):0432 (Huffaker MEX)
- 5030 \*0909 R. Los Andes, NA, ID "Desde Huamachuco, ciudad Andina en norte de montana del Peru transmite OAZ2A, R. Los Andes, en amplitud modulada ." armts by OM, into px Buenos Dias Peru w/musica vernacular and armts for Agricola Huamachuco (444 10/18 Wilczek IL)(443 10/23 Ulmer LA)
- 5040 0604\* R. Universal de Junin, huaynos, ID and s/off armt by OM. El Condor Pasa theme mx (ahh yes, that old classic...jc) OA NA (222 Wilczek IL)
- 5045 0332 R. Rioja, "Musica Romantica", some promos. TCs, ment of Cajamarca. Closing ID for "por R. Rioja, 5045 khz...LV de..."(big echo)(gee, it's tough to type in a big echo..jc)"Rioja" jingle. No NA at s/off (gd 10/19 Sneedy CA) 10/26 Schlesinger)
- 5112 1002 R. Eco, playing an album w/slow ballads by a single OM. CW QRM (322
- 5360 0332 R. Vision, OM w/merengue type mx (name of it?)(don't look at me! jc) ID at 0342, then off suddenly in patriotic/relg speech at 0344 (353 10/30 Stephany NY)(231 10/14 Schlesinger TX): 1015 (343 10/18 Wilczek IL)(pr 10/8 Parks FL)
- 5970 1018 R. El Sol, tent, TCs, IDs which I couldn't read, flute mx, several vocals, ments of Lima. Very strong lvl, armts by YL (10/2 Barto CT)
- 6095t 1100 R. Nacional, Andino mx. Hets (322 10/7 Schlesinger TX)
- 6190 2350 R. Oriente, OM DJ w/Latin pops. TCs btwn selections, plus several ments of R. Oriente. KOed by VOA at \*0002 (fr 10/30 Parks FL)+1
- 6199t 1039 LV de Huamanga, very rural Andino mx. Much machine copy QRM (Schlesinger)
- 6364 1102 R. Moderna, variety of OA and LAm mx. Mx continued til 1124 then OM w/ID. Also ment R. Hildago and R... Then tx abt huamachuco and several other towns. UTE turned on at 1127. Probably a good sig, but QRM was terrific. Reported s/on 1100. (422 10/20 Murff NM)
- 6724 0256 R. Satelite, Andino mx, interrupted by 2-min mx rpt at 0300 (242 10/16 Schlesinger TX)
- 9486 1005 R. Tacna, vocals, TCs, several IDs. Very clear sig and somewhat strong. First time hrd on this freq (10/2 Barto CT)
- 9655 1108 R. Nor Peruana, tent, w/very nice huaynos and barely audible YL anncr in SS or Quechua. Seemed to play a few bars of instr mx before each armt, mucho VOA QRM de 9660 and sig gone by 1126,(follow-up report..) Also noted 10/29 at 1142. Fine YL ID "6 de la manana 49 minutos en nor Peruana desde Chachapoyas, capital de depto..." huaynos. (10/7, 10/29 Wilczek IL)

SURINAME

- 4850 0900 SRS, II/III/ST, tent, II rx/mx to 0930. DD ID (no ment of SRS). Nk in lang (Sranang Tongo?) w/ment of Surinam. DD tx at 0945 (342 10/12 Mahoney FL) BECOMS reports that the SRS transmitter was destroyed on 10/26 in an anti-government action. This affects 4850 and 725 khz.

URUGUAY

- 11835 0009 R. El Espectador, GMT-3 TC, ad, rapid mx w/2 OMs, beeps, full ID. QRM de LV de OEA (322 10/11 Ulmer LA)

VENEZUELA

- as you can see, I'm using a lot of room this month. Because I only have 7 pages this month, I'm going to have to start some heavy-duty editing to get everything in, starting with Venezuela. Sorry folks jc
- 3225 1004 R. Occidente (343 10/29 Huffaker MEX)
- 3255 1006 LV de El Tigre, "Super Radio 960" ID (343 10/29 Huffaker MEX)(Burke VA)

VENEZUELA

3275 0117 R. Mara, (343 10/8 Huffaker MEX)  
 4770 0255 R. Mundial Bolivar, (222 11/2 Duncan NC):0900 (444 11/5 McKeon LI)  
 4780 0147 LV de Carabobo, (332 11/1 Thompson CA):0357\*(343 10/15 D'Angelo PA)+1  
 4830 0150 R. Tachira, (333 10/24 Ray PA)(322 10/22 Stanley AZ)(Prath FL)+1  
 4840 2305 R. Valera, (433 10/28 Prath FL)(444 10/27 Huffaker MEX)  
 4860 0117 R. Maracaibo, (222 10/17 Schlesinger TX)  
 4900t 0245 R. Juventud, (333 10/18 Hevern NY)(333 10/19 Stanley AZ)(Schlesinger)  
 4970 0452 R. Rumbos, (333 10/19 Henault MA)(322 10/18 Stanley AZ)  
 4980 0330 Ecoss del Forbes, (444 10/19 Woloch QUE):1057 (333 10/9 Brenesal FL)  
 4990 0130 R. Barquisimeto, (333 10/18 Stone ONT)(Brenesal, Stanley, Thompson)+1  
 5030 0935 R. Continente, (343 10/5 Soomre MA)  
 5050 0353 R. Mundial, YVKE is back w/OM DJ and folk/rock mx. TC/ID slogan in every annnt incl some singing IDs. RTTY'd at 0428. Most complete ID: "Desde Caracas, capital de Venezuela, YVKE Mundial. 100 mil vatios de potencia musical." (That's an awful lot of power for a TB station, jc) (333 10/30 Stephany NY):GML-4 TCs (333 10/30 Huffaker MEX)(444 10/30 Cunningham OH):Haven't heard 5051 Yopal for a while (333 11/6 Prath FL)  
 6180 0110 R. Turismo, (333 11/1 Schlesinger TX):1012 (353 10/11 D'Angelo PA)+1  
 9540 0108 R. Nacional, (343 10/4 Huffaker MEX)(433 10/23 Stanley AZ)  
 9660 2214 R. Rumbos, (433 10/23 Ulmer LA)

UNID STATION OF THE MONTE

3310 1022 UNID, SS, on this for an hour but still couldn't ID (R. ??auga), typical Ecuadorian mx, freq (only) given as 3300. TCs GML-5 (342 10/29 Huffaker MEX)

## NORTH AMERICA AND THE ISLANDS

ALASKA

6170 1214 KNLS, CC/EE (343 10/8 Wilczek IL)  
 9690 1105 KNLS, RR (433 10/24 Tanaka JAPAN)(222 10/8 Schlesinger TX)

ANTIGUA

cut this month, due to lack of space

BELIZE

nothing new, reported on 3285 during the PM. Thanks to 6 reporters

CANADA

also cut, sorry!

COSTA RICA

4825 0404 R. Columbia, NEW STATION, SS, seemingly unending canty by several remote and studio ancrs on a futbol game between Costa Rica and Guatemala. Included lots of laughing, car horns honking and other audio effects in the background. Frequent references to "R. Columbia" by the various ancrs and studio ancr would often give IDs as "Columbia, Columbia, Columbia." Never did bother to give a formal ID. Often played a taped futbol play-by-play by OM which ended with "Gooooaaallll por Costa Rica!!!" Also fond of playing a song called (p) "Viva Costa Rica". New to SW; however, listed by WRTM as TILX on 760. Excellent lvl (444 10/23 Cunningham OH):0455\*, anti-Communist tx: (544 10/9 Huffaker MEX)(454 10/16 D'Angelo PA)(423 10/13 Berri CA):4820 (433 11/2 Thompson CA)(444 10/31 Ulmer LA)(444 10/23 Wilczek IL):1135 (222 10/26 Hotaling NY)(322 10/24 Stanley AZ)(vg 10/10+ Sheedy CA)(543 10/22 Moore TX)(daily gd Cereghin MD)(444 10/21 Murff WI)  
 4830 1130 R. Periodico, mx, ads, TCs, similar, but not parallel programming: as 4825 (322 Murff WI)(I wonder where this came from? jc)

other Costa Rica loggings cut this month

CUBA

cut (aren't you lucky? hi! jc)

DOMINICAN REPUBLIC

just a note; R. Earth is no longer relayed by R. Clarin. Reasons included were that Clarin's 50kw xmitr was not putting in a good signal into some areas, and response to the program had not been good. WRNO is now carrying R. Earth, at 0400 on 6185. HBCMS

EL SALVADOR

9553 0010 R. Nacional, (343-444 10/28 Prath FL)

\*\*\*\*\*  
 \*GREENLAND\*  
 \*\*\*\*\*

GRONLANDS RADIO

3999 \*1010 DD/Greenlandic, finally heard with "Sunnia Kalippoq" IS, anthem and OM tx in either DD or Greenlandic. ARO net QRM and faded out by 1030 (fair 10/28 Wilczek IL) STAR LOGGING OF THE YEAR!!! If anyone happens to hear them, give me a call at 301-568-6547 before 9PM any day, collect if you have to. jc

GUENADA of course is the big story this month. The invasion will cause some drastic changes in the broadcast structure. Take for example, this logging;

15045 1915 VOA, FF, vy poor sig //15195. Not //15120 UN FF. Seems to be 2 bcs on simultaneously. If this is RFG, must be just before its destruction (242 10/28 Ulmer LA)

RECMS reports that RFG has not been observed since the invasion, except for the possible VOA relay, but a relay has not been confirmed. jc

15045 1530 HFG, EE, OM ID. Anti-USA cmnty and mx (333 10/9 Langlois GA)(before the invasion...jc)

GUATAMALA also cut

HONDURAS

2800h 0150 El Eco de Honduras, LAm pops, lots of ads. ID as "HRP1" and "El Eco de Honduras". Huge sig! 2x harmonic? Better on harmonic than when they were on 5000 (gd 10/22 Parks FL)

4820 0455\* Lv de Evangelica, (333 10/10 Stephany NY)(455 11/6 McKeon IN)+3

MEXICO

5979.2 0920 XEUJ, (232 10/20 Cunningham OH):2233 (222 10/15 Ulmer LA)

6045 1500 XEQO, (443 10/23 Schlesinger TX)

6105 0448 Su Pantera, 0501\*, IDs of "R. Yucutan" (322 10/29 Moore TX)(Prath FL)

9705 0314 R. Mexico, (211 10/23 Lipman NY)(333 10/23 Prath FL)

MONSERATT

9545 0100 IM Relay, EE "Microphone on Europe" (433 10/14 Stanley AZ)

NETHERLAND ANTILLES

6165 0530 RN Relay, EE Happy Station (444 10/24 Klosowski FL)+3

9535 0530 TWR, EE, Carib Nightcall (454 10/15 Bingham MA)

9590 0312 RN, EE, MediaNetwork (555 10/14 Cadorette MA)(444 10/28 Manning TX)

9715 0830 RN, EE, MediaNetwork (454 10/13 Spremo NY)

9755 0530 RN, EE, SW Feedback (444 10/28 Klosowski FL)

11815 1130 TWR, EE, Morning Sound (454 10/13 Blanchette FL):\*1115 (Schlesinger)

11890 \*2215 TWR, SS, mx (444 10/23 Prath FL)

15220 2100 RN, EE, tx on US/Soviet missiles (555 10/28 Karns OK)

NICARAGUA

5950 0115 R. Nacional, (433 10/18 McLain CA)(333 11/2 Preston CA)+6

6120 1109 R. Zinica, RZ is alive and well contrary to reports in 10/83 SPEED and loud too! Px of LAm mx and OM annts was hrd. IDs "R. Zinica su emisora amiga en sintonia." No ments of Sandino (I guess when you hear 'Sandino', you're listening to a nation-wide network. jc)(454 10/29 Wilczek IL); hrd EE segment at 1315. Px was a preaching or relig px w/OM talking about salvation, being saved. OM spoke EE abt as good as Ricky Ricardo (You think Ricky spoke good EE? jc). Back to SS with Zinica ID at 1335 (454 10/23 Prath FL)

Due to my priority list, PIRATES AND CLANDESTINES will not be shown this month. I feel that the legal broadcasters deserve what little room I have left here. The illegal stations will always get LAST priority in these situations.

UNITED STATES

5985 0138 VOFC via WYFR, EE, "Journey into Chinese Culture" (444 10/19 Caceres NY)

5995 0031 VOA, EE, Special EE mx (554 10/13 Lutsky QUE)(Spremo NY)

6030 0346 APRIS, EE, Packers/Redskins football. Packers won 48-47 (yeah, us Redskin fans still have nightmares about that game jc)(Henault MA)+1

6045 0230 WRNO, EE, rock mx (211 11/7 Speer CA)

6065 0430 WYFR, relig px (333 10/19 Henault MA)

6100 2235 KEEL, SS, relig px (544 10/15 Soome CA)

6130 0001 VOA, EE, mx of Euro Peace marches (544 10/16 Ulmer LA)

6185 0402 WRNO/R. Barth, EE, R. Barth Relay (see Dominican Rep. for the details jc) (555 11/9 Kephart MI)(555 11/1 Ray PA)(555 10/19 Henault MA)

7355 0750 WYFR, EE, "Sounds of the Times" (333 10/13 Garrett CA)

9565 1334 VOA, EE, OM ments US/Soviet Arms Talks (232 10/6 Traver INDIA)+2

9615 1255 KEEL, SS, mx at 1300 (443 10/29 Prath FL)

9650 0204 VOA, EE, Magazine Show (333 10/21 Leonard ME)


9670 0325 VOA, EE, reports on gas powered wheelchairs (I should have tuned in jc) (344 10/31 Lieu CA)(444 10/21 Leonard ME)

9680 2330 WYFR, relig cmnty (444 10/26 Langlois GA)


9705 0025 WRNO, EE, ad for stereo equipment (555 10/21 Coleman MA)(Michael Leonard has a good idea; a contest for figuring out an acronym for WRNO's call letters. Mike has his own entry which I like: Worst Radio Now On! jc)(433 10/24 Leonard ME)(444 10/16 Krist VA)

And WYFR on 9852.5 at 0700 //7355...outta room! See you in 30!






# SWBC - EUROPE



EDITOR:  
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 Black River Falls, WI 54615

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



This month I received a number of quality loggings so we might as well start right out with the loggings.

<u>ALBANIA</u>		Radio Gjirokaster, Radio Tirana
5020	0404	RG: Albanian OM&YL w/nx, comtry (assuming), mx @ 0413, pgm & announcers similar to 0035 & 0235 to NAM in Albanian, 343 (10/11 McKeon-IN)
5057	0531	RG: Albanian YL w/Alb. folksongs, //5020 (easily picked up, real strong & clear @ 0549, 343 (10/12 McKeon-IN)
6200	0336	RT: EE ID, USA taking strong measures in Lebanon, nx, mx-people singing, OM w/ID "This is R. Tirana," OM said goodbye to listeners, 444 (10/26 Bingham-MA)
7065	0000	RT: EE YL announcer, world nx, comtry, Albanian folk music, QRM, QSB 545 (11/3 Cleveley-NY), 433 (10/3 Gilmore-MA), (Stanley-AZ), (McKeon-IN)
7070	0000	RT: EE discussion of Archbishop's visit to Yugoslavia, 423 (11/6 McKeon)
7072	0024	RT: EE usual awful rhetoric by gravelly-voiced YL, at good/exc. level, At 0027, snatch of the "Internationale," followed by their IS a couple of times & off @ 0028*, 444 (10/8 Cunningham-OH)
7080	0630	RT: EE local nx, world nx, letters from wellwishers, comtry against missiles in Europe by US & USSR, 433 (10/13 McKeon-IN)
7120	0235	RT: EE ancient YL w/ice cube personality(!) talk about holidays, ID, nx, QRN an improvement to this pgm, 322 (10/16 Thompson-CA), (Stanley-AZ)
7300	0354	RT: EE comtry about Reagans decision to send troops to Lebanon, At 0357 ID-freq listing, & announcement of the end of the English service for now, 333 (10/27 Leonard-ME), 0330 EE ID, nx, education in Albania, mx, comtry, NA, 444 (11/4 Dillon-PA), (Fraser-MA), (McKeon-IN), (Stanley-AZ)
9480	0430	RT: EE discussion of fact there are no taxes in Albania (I suppose that is suppose to make us want to move there!-djs), constant reduction of prices, //7300 (lot of QRM), 455 (11/7 McKeon-IN)
9500	0630	RT: EE nx about Albania, world nx @ 0635, feature on literature & art in Albania, 444 (10/23 McKeon-IN)
9750	0230	RT: EE IS, ID, YL praising the glories of the revolutionary movement in Albania, 422 (10/16 Stanley-AZ), *0000 232 (10/23 Prath-FL)
9790	0200	RT: Albanian mx & comtry 0200-0235, Albanian folksongs, //7300&6200, 444 (McKeon-IN)
9800	0235	RT: Albanian good clear signal, mx pgm @ 0235, // 7300 & 6200, 555 (11/6 McKeon-IN)
11960	1230	RT: EE "leafing through the Albanian calendar" following the nx (could not hear 9515), 433 (11/7 McKeon-IN)

I wonder if Albania should be in its own column!! Now you know what is in store for your reading pleasure this month.

<u>AUSTRIA</u>		Oesterreichischer Rundfunk
5945	0130	ORF: EE pgm on carp fishing in Austria, ID @ 0135, 322 (11/7Bledsoe-FL) (Dillon-PA) (Fraser-MA) (Hotaling-NV) (Krist-VA) (Robinson-TN) (Stanley-AZ)
9770	0127	ORF: EE accordian mx, YL w/nx from our studios in Vienna, peace demonstration in Vienna, wx cooler & rain, ID, mx from Strauss, 444 (10/20 Bingham-MA)
11665	2131	ORF: EE Polish leader of labor wins nobel peace prize, meeting of ear, nose & throat congress in Austria, traffic jam in Vienna as all traffic lights go out, mx, 454 (10/5 Bingham-MA)
11825	1525	ORF: EE OM w/ freqs, mx, IS, QRM from c0-channel Japan, 322 (10/11 Berri-CA)
15560	1843	ORF: EE YL w/ Austrian folk nx & mx, 212 (10/31 Berri-CA)
17775	1850	ORF: EE listeners letters answered, s/off 1900, 333 (10/9 Prath-FL)
17860	*1230	ORF: EE Letter from Austria, Austrian SW Panorama, receiver for the blind, Aust. mx 1255*, 444 (10/30 Krist-VA), 444 10/8 Blanchette-FL)

**BELGIUM** Belgische Radio en Televisie, Radio-Television Belge de la Communauté Culturelle Française

5910 0030 BRT: EE Brussels Calling pgm, replaces 9880 which is now beamed to SAM 242 (11/7 Zilmer-NM)

9880 0030 BRT: EE OM ID, pgm & freq data, YL nx, OM talk about Int'l Telecomm. Conf. in Geneva, & World Comm. Year, YL & mx pgm, 233 (10/29 Preston-CA)

11620 \*0030 BRT: EE Musicbox, DX show, 343 (10/2 Klasek-MO), 333 (10/14 Stanley-AZ)

15590 \*1915 BRT: EE Brussels Calling, interview w/ a Belgian Artist, People in Sports-focus on an Olympic judo person, 444 (10/22 Krist-VA)

17610 1400 BRT: EE focus, Flemish mx, RadioWorld on Telecom '83, DX panorama on R. Australia's cancelling Spectrum w/Dick Speekman, 433 (11/3 Klosowski-RTBF: FF talk, mx, IS & ID at 1357\*, 333 (10/20 Zilmer-NM) FL

17680 1330 RTBF: FF IS to \*1700, YL, rock mx, 333 (10/26 Thompson-CA), (Prath-FL)

21460 \*1700 RTBF: FF IS to \*1700, YL, rock mx, 333 (10/26 Thompson-CA), (Prath-FL)

21815 \*1235 BRT: DD heard IS 1230-1235, s/on in DD w/ID, nx, 343 (10/16 Prath-FL)

**BULGARIA** Radio Sofia, Radio Moscow

7115 0410 RS: EE Friday to Friday-weekly pgm sked, 544 (11/5 Mahoney-FL)

9700 2245 RS: EE analysis of combat readiness in Western Europe talked about Naval bases, 433 (10/16 Casavant-Quebec), (McDowell-IL)(Cadorette-MA)

9720 2334 RM: EE talk by Posner on Lebanon, then Sidelights on Soviet Life, 433 (10/12 Gilster-NC)

11750 0400 RS: EE Horns-jingle on the hour w/2 IDs before the nx, 333 (10/24 Leonard-ME), (Duncan-NC)(Preston-CA)

15110 \*1930 RS: EE IS, s/on w/full EE sked, nx, 444 (10/9 Prath-FL)

15135 2230 RS: EE OM ID International nx & comtry, 433 (10/10 Langlois-GA)

**CZECHOSLOVAKIA** Radio Prague

7345 0304 RP: EE OM&YL world nx to 0310, then coment on US foreign policy, 0318 more anti-US talk, 222 (10/21 Garrett-CA), (Johnson-IL)(Cleveley-NY)

11990 0301 RP: OM gave meterbands, nx-Granada, peace rallies in Czech, comtry-nuclear weapons in Europe, station ID, YL singing, men same, 454 (10/26 Bingham-MA), 0100 323 (10/12 Stanley-AZ)

17705 1425 RP: EE trumpet IS, 1430 OM w/ID & sked of time & freqw QRM from BBC on same channel, 322 (10/16 Brewer-KS)

21505 1545 RP: EE Afro-Asian Service, talk about World economy, Czech mx, QSB, 242 (10/1 Prath-FL)

**DENMARK** Radio Denmark

15165 2000 Danish IS&ID @ 1955 in EE, anmts, YL&OM w/nx?, OM talk to 2029, more talk to 2049 w/2 OMs, 2052\*, 4-5 EE IDs during xsms, 444 (10/10 Bradley-MA)

**FINLAND** Radio Finland

15400 1519 RF: EE OM w/pgm about Lutheran Church influence on Finnish writers, 344 (11/6 Johnson-IL), (Brewer-AR), (Stein-NJ), (Addison-KS)

21475 \*1300 RF: EE Northern Report, nx, Compass North-Helsinki armtalks, anti-nuke movement in Finland, 1326\*, 433 (10/22 Krist-VA), (Thunberg-PA)

**FRANCE** Radio France International

6175 0352 RFI: EE 2 OMs w/comtry pgm on electricity & development of new method of producing light, 444 (10/19 Henault-MA)

7135 0449 RFI: EE/FF nx in EE, ID in FF, mx, FF pgm, 333 (10/8 Moore-TX)

9790 1950 RFI: FF //11930, both carrying "Chaine Sud" pgms, 454 (10/31 Palmer-WA)

11705 0500 RFI: FF wiping out DW-Montserrat, 322 (10/12 Burke-VA)

15300 1626 RFI: EE Paris Calling Africa, OM w/ ID, YL on Commemoration in Egypt of Anwar Sadats assassination 2 years ago today, 333 (10/7 Palmer-WA)

15495 1845 RFI: FF OM introduces popular songs & ballads, YL gives ID @ 1900, 323 (10/22 Sable-NY)

17620 1619 RFI: EE talk about S. Africa, nx about France, ID "You are listening to Paris Calling Africa from RFI," letterbox, 444 (10/23 Hill-SC)

21590 1525 RFI: FF 2 OM DJs w/ Benny Goodman mx, vocal Lullaby of Birdland (not best rendition but nice), brief talk & ID @ 1600, 443 (10/24 Thompson-CA)

21620 1625 RFI: EE YL, ID world nx & disco mx, 333 (10/5 Addison-KS)

21645 1206 RFI: FF 2 OM giving nx reports, mentioned Yuri Andropov & Geneva talks, 222 (10/2 Traver-India)

25820 1600 RFI: EE Paris Calling Africa, nx, Beirut bombings & other world mx, African nx, African Insight, FF mx, Letterbox, nx headlines, 454 (10/23 Bradley-MA), (Fraser-MA)(MacGibbon-OR)

25900 1355 RFI: FF Pop mx, YL announcer, very strong signal, //25820 heard w/ good signal, 454 (10/5 Prath-FL)

**GERMAN DEMOCRATIC REPUBLIC** Radio Berlin International

9560 0340 RBT: EE East German Reaction to Grenada situation, 44 (10/29 Liev-CA)

9620 2140 RBI: EE World nx, People's Festival in Kiev, "Running for Health" movement in DDR, related events in Leipzig, YL comtry on arms race, 433 (10/16 Baker-DE), (Krist-VA) (Prath-FL)

9730 \*0014 RBI: EE nx, peace proposals to FRG chancellor, GDR-Austrian relations GDR Kaleidoscope, QRM via DW on 9735, 0057\*, 433 (10/12 Krist-VA)

11810 1830 RBI: EE OM w/comtry on Cent. America & Grenada, ID by YL @ 1835, 222 (10/31 Berri-GA), (Burke-VA)

17700 1520 RBI: EE talk in EE by YL about Pershing 2 missiles, 343 (10/15 Prath-FL)

GERMANY, FED. REP. OF R. Free Europe, RIAS, Sudddeutscher Rundfunk, Bayerischer Rundfunk, Sudwestfunk, Radio Liberty, Deutsche Welle (WOW!!)

3990 0553 RFE: Polish OM/YL comtry w/ quotes from NY Times & LeFigaro, ID "Tu rozgłosnia polska, radia wolna Europa," announced freq of 3990 & others by meterband, 343 (10/25 Wilczek, IL)

3995 0105 DW: GG nx read by OM, //6075, 332 (10/21 Prath-FL)

6005 0608 RIAS: GG OM&YL DJ w/ carbon copy of R. Luxembourg, songs by Abba, Bay City Rollers, Beatles, birthday greetings, phone-ins..., ID & nx on half hour, 444 (10/25 Wilczek, IL), (Soomre-MA)

6030 2150 SR: GG EE/GG mx, phone-in conversations, ID, time check, nx @ 2300, QRM de 6025, 322 (10/12 Soomre-MA)

6040 0115 DW: EE editorials w/ W. German nxpapers, 444 (11/8 Weikel-MI)

6085 0630 BR: GG YL ID & nx, GG choir mx, QRM via Luxembourg 6090, 433 (10/25 Wilczek-IL)

6085 0100 DW: EE YL announcer, comtry on US Invasion of Grenada, Press Review, contributions to political parties, 544 (10/27 Desrosier-MA)

6145 0215 DW: GG YL w/ nx, Walesa's nobel prize, recorded report by OM, nx story followed by mx, 444 (10/6 Fisher-MA), (Krist-VA) (Stanley-AZ)

7235 2315 DW: GG folk mx pgm, ID by OM, ham QRM, //9735 better, 422 (10/22 Prath-Sudw.: GG EE mx, TCs, tlk of friends & relatives over 30 years old, FL pgm commercials, 333 (10/15 Soomre-MA)

9565 0100 DW: EE IS, ID, OM w/nx, Microphone on Europe, Review of the German Press, West Germany Today, 333 (10/31 Stanley-AZ)

9615 1545 DW: Hindi/EE drama lasting past expected station break @ 1600, returned 1645 in EE w/ good mx hrd, s/off anmts & full ID & 1650\*, 222 (10/30 Palmer-WA)

15120 1000 DW: Persian nx by OM, 333 (10/26 Tanaka, Japan)

15135 \*1900 DW: PP IS, s/on in PP w/nx, OM welcomed listeners in Angola & Mozambique //17810, 343 (11/5 Prath-FL)

15150 1930 DW: EE African Service-talk & examples of strange Afr. musical instruments, Lesotho mentioned, @ 1956 ID as DW African Svce, Afr. economy, 444 (10/9 Chickerell-WV), (Langlois-GA)

17705 1930 DW: EE nx by OM, 1945 Review of comtry, mainly about Grenada, 444 (10/26 Duncan-NC), (Bingham-MA)

17805 1720 RFE: Polish talk by YL about Solidarity, ID "Radia Wolna Europa," & freqs given @ 1723, 433 (10/1 Prath-FL)

21560 1553 DW: GG description of "La Traviata," 443 (10/11 Ulmer-LA)

21600 1529 DW: EE OM nx & comtry, 333 (11/3 Stein-NJ)

21690 1240 DW: GG 2 OM w/discussion, 243 (10/2 Smith-India)

21720 1400 RFE: Czech tlk by YL/OM, many mentions of Ceskoslovensky, Western pop mx, when jamming fades out SIO 444 (10/1 Prath-FL)

21745 1810 RL: RR nx read by YL/OM, mentioned Afghanistan, ID "Govorit Radio Svoboda," at times only jamming hrd, 443 (10/1 Prath-FL)

25690 1350 RL: RR talk by YL&OM, jammed, 222 (10/5 Prath-FL)

GREECE Voice of Greece, Voice of America relay

9420 2340 VOG: SS talk about artist, nx, at times strong QRM, @ 2350 anmt in Greek, s/off, 333 (10/29 Timofeev-FRG), (Zilmer-NM) (Cleveland-NY)

9865 0300 VOG: Greek mx, mostly soft guitar & some vocals, ID @ 0313, gd signal (10/20 Coleman-MA), (Mahoney-FL) (Gilster-NC) (Stanley-AZ)

15205 0747 VOA: EE OM-pgm on life in outer space, We may be the only life which exists!, 444 (10/19 Traver Smith-India)

17565 1540 VOG: EE nx during pgm in Greek, //11645, 343 (11/7 Zilmer-NM)

HUNGARY Radio Budapest

9585 \*0200 RB: EE This is R. Budapest Hungary ID by OM, Int. nxroom, Review of Hungarian-FRG economic relations, Calling DXers & R. Amateurs, 433 (10/12 Krist-VA), (Prath-FL)

9835 0100 RB: EE comtry, world nx, ID, freq given by OM, folk mx, 545 (11/4 Cleveland-NY), (Prath-FL)

12000 0130 RB: EE tour of Transylvania, mx, 555 (10/11 Robinson-TN), (Stanley-AZ)

17710 1535 RB: EE talk about UN, the nuclear arms race, 343 (10/1 Prath-FL)

ICELAND Iceland State Broadcast Service  
13797 1925 Icelandic? OM w/ comtry in unid lang-heard mention of Reykjavik @ 1930, then terrible hetrodyne followed by CW QRM: Z19 repeated several times, 222 (11/6 Bledsoe-FL),(Cleveley-NY)(Desrosiers-MA)

IRELAND Radio Dublin International  
6910 0025 RDI: EE ID by OM, played Buffalo Soldier by Bob Marley, pr signal not helped by Woodpecker, 222 (10/25 Fisher-MA)(Smith-TN)(Spremo-NY)

ITALY Radiotelevisione Italiana, Radio Pace  
5970 0100 RAI: EE nx, mx pgm, //9575, 5970 replaces 11800, 333 (11/7 Zilmer-NM)  
9575 0104 RAI: EE YL w/nx, @ 0110 solicited letters & gave address, mx started @ 0117, 434 (10/25 Howard-MO), (Bledsoe-FL)(Robinson-TN)(Dillon-PA)  
11800 \*0100 RAI: EE This nx comes to you from RAI-Rome anmt by YL, nx read by YL (RAI has a new woman nxreader-yeah), some jazz mx 0119\*, 444 (10/15 Krist-VA), (Stanley-AZ)(Prath-FL)  
11905 0420 RAI: II Italian lang lesson by OM&YL, instrumental mx, into nx & comtry about Grenada invasion & US policy, 343(10/26 Sable-NY)  
15460t 0105 R.Pace: II continuous OM talk, musical tone @ 0135 & 0143, 151-152 (10/3 Famularo-NJ)  
21690 1638 RAI: Somali bird, bell IS, ID, world nx, 343 (10/11 Ulmer-LA)

LUXEMBOURG Radio Luxembourg  
6090 0000 RL: EE usual pop mx, IDs, ads for Penthouse, DJ Benny Brown, had to go to LSB to clear up slop on freq, 322 (10/14 Burke-VA),(Ulmer-LA)(Moman-Alberta)

MALTA Radio Mediterranean, Deutsche Welle relay, International Christian Radio  
6110 2310 RM: EE nx w/OM, pgm of rock mx featuring 'Genesis', short nx bulletin w/ soft-spoken OM into ID, freqs s/off w/YL @ 2325, 322 (10/20 Baker-DE)  
9590 \*0058 DW: EE IS, transmitter ID, OM w/nx-'Microphone on Europe'-special report on anti-nuclear demonstrations in W.Germany & W.Berlin, German by Radio, 0150\*, 434 (10/23 Baker-DE),(Dillon-PA)(Klosowski-FL)  
9740 2110 ICR: EE end of religious pgms, s/off ID, anmt, address-Station F, Toronto, Ontario CANADA, 444 (10/29 D'Angelo-PA)  
11865 0100 DW: EE Sunday Comtry, Letter from Berlin, 444 (10/10 Dillaman-OH)

NETHERLANDS Radio Nederland  
9895 2305 RN: PP DX pgm w/mention of R. Norway, R.G.I., 433 (10/20 Prath-FL)  
17605 \*1330 RN: EE nx, Newline-item on anti-nuke protests, SW Feedback pgm, 353 (10/22 Krist-VA)

NORWAY Radio Norway International  
9610 0022 RNI: EE Norway Today, very poor reception for a transmission beamed to ECNAM, 222 (11/7 Thunberg-PA)  
11870 2204 RNI: EE comtry on inflation in Norway, 444 (10/9 Cadorette-MA)  
15175 \*1559 RNI: EE/lang s/on w/ jingle & EE anmt then in lang I make out a freq listing then what sounds like world nx @ 1601, 444 (10/27 Leonard-ME)  
17710 1400 RNI: EE ID, Norway Report, 333 (11/6 Szabo-KS)(Zilmer-NM)  
17715 1400 RNI: EE nx, mx album of teenage groups, 433 w/QRM from RAI carrier (10/16 Fraser-MA),(Prath-FL)  
17840 1300 RNI: EE Norway This Week, Norwegian nx, tlk of Norw. freightliners, import/export laws, 444 (10/9 Soomre-MA)  
21715 1600 RNI: EE OM, ID, nx & mx, 333 (10/7 Addison-KS)

POLAND Radio Polonia  
6135 2235 RP: EE talk about Poland, Polish pop mx, //7125, 333 (10/2 Prath-FL)  
7125 \*2230 RP: EE This is R. Polonia B/Cing from Warsaw ID by OM, nx-highlites of a speech by Polish leader, DX Club pgm, 2257\*, 433 (10/12 Krist-VA)  
9525 0200 RP: EE nx by OM, comtry, QSB, 333 (10/7 Klasek-MO),(Card-RI)

PORTUGAL Radio Portugal, Radio Renascenca, Radio Japan relay  
6025 2045 RP: PP nx, very weak in slop, had to go to sideband to dig it out, 222 (10/18 Burke-VA)  
6060 0322 RP: EE nx about Portuguese railways & trains-particularly about repair problems slowing trains to 40 km/hr for a maximum speed, ID @ 0330, 433 (10/24 Leonard-ME) I wish I was listening to the station at this time!  
11730 2348 RR: PP mx, TC, ID, mx, OM giving speech, 342 (10/23 Moore-TX) djs  
11925 0323 RP: EE Portugal nx, main events of the week, ID @ 0328, 555 (10/9 Cadorette-MA) (Stanley-AZ)  
15235 0715 RJ: JJ nx by OM, echoed, 333 (10/27 Tanaka-Japan)

ROMANIA Radio Bucharest  
5950 0201 RB: EE QRM via VOA, YL w/ID, OM comtry, nuclear weapons, mx, YL talk on Transylvania, OM w/ID, 444 (10/20 Bingham-MA)  
5990 0235 RB: EE Radio Newsreel, mod. QRM by the VOA, 333 (11/5 Mahoney-FL)  
9510 0400 RB: EE IS, YL w/ID, nx, OM&YL w/ a report on the ever increasing threat of nuclear war & the peace movement in Romania, YL w/Letterbox, signal fadeout @ 0425, 333 (10/20 Stanley-AZ)  
9690 \*1930 RB: EE IS, s/on in EE w/nx, 322 (10/23 Prath-FL)  
9750 \*2100 RB: EE nx, item on anti-nuke protests in Romania, Tourist News pgm, 333 (10/29 Krist-VA)  
15335 1505 RB: EE nx, YL on life expectancy, ID, Panorama, 333 (10/2 Famularo-NJ)  
17720 1320 RB: EE Radio Bucharest Listeners Club, 322 (11/6 Zilmer-NM)

SPAIN Radio Exterior de Espana  
9630 0013 REE: EE mx, Spanish Economy, travel pgm, nx, SS lessons, 433 (11/1 Dillon-PA), (Cadorette-MA)(Addison-KS)(Fisher-MA)(Speer-CA)(Stanley-AZ)  
9765 1930 REE: EE Spains golden age, OM w/ID, YL talk on Spanish painters & writers, reign of King Phillip III, 444 (10/23 langlois-GA)  
9880 0130 REE: EE nx, sports roundup, 444 (11/6 Szabo-KS)  
11810 0020 REE: EE end of Panorama, YL w/talk on skiing, bingo & discos at ski resorts, SS mx, wld nx, book fair in Frankfort, SS course by radio, 454 (10/19 Bingham-MA)  
11880 0122 REE: EE OM w/ travel, folk mx, contemporary mx, ID @ 0130, Spanish nx, Internat'l nx, ID @ 0144, Spain in the 80's pgm on robots, SS course, sked, 444 (10/27 Swinn-CA), (Lord-CA)(Fleming-FL)(Fraser-MA)(Desrosiers-MA)  
11945 2305 REE: SS peace demonstrations in Europe, 444 (10/23 Timofeev-FRG)  
15125 1859 REE: SS IS, s/on in SS w/ good SS mx, 544 (10/1 Prath-FL)  
15375 0257 REE: EE books survey of main events (anti-terrorist legislation, military reform bill, foreign min(ister?) in China), nx, 434 (11/6 Weikel-MI), (Karns-OK)(Manning-TX)(Bingham-MA)  
17650 1400 REE: SS nx, //17660, 322 (10/19 Zilmer-NM)

SWEDEN Radio Sweden International  
9695 0230 RSI: EE Saturday from Stockholm-instrumental mx & dixie jazz band, new poll shows govt way behind, pensioners accuse Gov't of not keeping promises, song, 544 (10/16 MacGibbon-OR)(Cleveland-NY)(Krist-VA)(Coleman)  
11705 2300 RSI: EE nx, stamp corner pgm, //9695, 333 (11/7 Zilmer-NM)(Stanley-AZ)  
11710 2304 RSI: EE ID, Sweden Calling DXers, YL&OM w/tlk on radio in Iceland, Swedens first TV cable station, radio nx from Europe, 353 (10/18 Bingham-MA)(Blanchette-FL)(Fisher-MA)(Krist-VA)  
17710 1709 RSI: Swedish nx or comtry, OM/YL-actuality pgm, 1728 ID & IS, YL s/off, 444 (11/5 Stein-NJ)  
17840 0234 RSI: EE tlk on radio in Iceland, 242 (10/19 Cadorette-MA)  
21615 1400 RSI: EE pgm is beamed to NAM & //15285, replaces 17860, nx, stamp corner, 343 (11/7 Zilmer-NM)

SWITZERLAND Swiss Radio International  
3985 2203 SRI: EE mailbag pgm, into GG @ 2215 w/nx, 333 (10/15 Soomre-MA)  
6135 \*0145 SRI: EE TC by YL, Review of the Weeks Events in Switzerland, Swiss SW Merry-go-round-joint SRI-RGI pgm, 0215\*, 433 (10/30 Krist-VA)(Stanley)  
6165 2145 SRI: EE special Swiss SW Merry-go-round coordinated w/RGI, talk of Telecom '83, 433 (10/30 Soomre-MA)  
9635 0145 SRI: EE IS, s/on, //6135 (222), //11715 (222), 444 (11/7 Speer-CA)  
9725 0155 SRI: EE Swiss nx, discussion of Reducing speed limit on Swiss super highways to reduce pollution damaging Swiss forests, OM interview, 544 (10/21 Ritt-VA), (Klosowski-FL)(Stanley-AZ)  
11715 0144 SRI: EE IS, ID, At 0145 Dateline-Lebanon & membership in Arab League, some co-channel QRM from R. Cairo beginning @ 0148, 343 (11/3 Bledsoe-FL)  
17830 1543 SRI: EE interview about handicapped people, talk on airline competition, comtry on lowering speed limit for built up areas, 323 (10/20 Howard-MO)  
21570 1530 SRI: EE IS, ID, YL w/wld nx, The Great Saturday Grapevine, mailbag, 343 (10/15 Stanley-AZ)

U.S.S.R.  
RSFSR-European  
9610 2300 R.Moscow (Krasnodar): EE nx, comtry, Posner's Talk, Report on Venus probes, Soviet town, //9765, 444 (10/22 Fraser-MA), (Ulmer-LA)(Leonard-ME)

Ukrainian  
4940 0020 Kiev: Ukrainian class mx & opera, ballads, easy listening (good stuff!), lots of atmospheric noise, good signal but low audio-add some C&W, makes it hard to copy, bad QSB by 0050, mostly all nx, very little talk, ID @ 0114!, Almost gone by 0130, Volga song played, 332 (Desrosiers-MA)

<u>Unknown</u>	<u>Sites</u>	
4940t	0435	R.Kiev: RR radio play between 2 OMs, 343 (11/5 Mahoney-FL)
5040	0259	RM (Tbilisi?): lang faint IS, talk inaudible, 231 (10/10 Ulmer-IA)
5905	2150	RM: lang OM w/talk in probable Polish (not sure), piano mx, freqs given @ 2159, then into EE, YL w/nx, 343 (10/17 Gilster-NC)
9800	0030	R.Kiev: EE nx, Music From the Ukraine-folk mx pgm, 343 (10/17 Fraser-MA)
11720	*0030	RK: EE nx, interview about peace, contry on Labor Party of Britain, DX Club pgm, Facts Testify, nx headlines, 0058*, 544 (10/13 Krist-VA)
11720	2300	R.Vilnius: EE YL w/nx, ID @ 2310, OM&YL w/Report on health resorts & Sanitoriums in Lithuania, musical pgm, 444 (10/10 Stanley-AZ)(RobinsonTN)
12070	1730	Mayak: RR folk mx pgm, talk, //4765, 332 (10/30 Prath-FL)
15100	1607	RM: EE nx pgm-mention that the Soviet Union is responsible for 1/3 of the production of gas in the world (wonder if this freq will drop now that we stopped shipments of beans? hi!), 444 (10/27 Leonard-ME), (Cook-CA)(Wimmers-VA)(Langlois-GA)(Trent-AK)
15125	*1700	RK: GG end of Mayak pgm @ 1659, switch to R.Kiev IS, s/on in GG, nx, 444 (10/5 Prath-FL)
15175	1330	R.S. Atlantica: RR short interviews then pgm of light non-rock mx, 444 (10/22 Fraser-MA)
15180	2200	RK: EE IS, ID, talk of pgm highlights, nx by OM&YL, contry on Andropov & newspaper Pravda, 433 (10/27 Soomre-MA)
15245	2040	RMWS: EE talking about Androff holding together world peace, 333 (10/7 Karns-OK)
15375	1230	RM: EE nx, contry, //15100, 15135, 15150, 17700, 17765, 21590 & 21515, 443 (10/1 Prath-FL)
15465	1500	RM: EE nx by OM, emphasis on US "Adventurism" in Lebanon leading to the deaths of the marines, followed at 1510 by Soviet Way of Life, //15375, 233 (10/25 Duncan-NC)
21590	1125	RM: EE tik of manufacture of goods in USA vs. USSR, mx by Soviet musicians of works by Straus, 343 (10/31 Soomre-MA)

UNITED KINGDOM

		British Broadcasting Corporation
3975	0603	BBC: Polish, morning nx read by YL on anti-nuclear protests in US & Western Europe, ID, 433 (10/25 Wilczek-IL)
5975	0100	BBC: EE Waveguide-explaining single side band transmissions, 544 (11/1 Klosowski-FL),(Dillon-PA)(Langlois-GA)(Wimmers-VA)
9915	0030	BBC: EE Lord Jim drama series Part I, Part II scheduled for 10/9 Sun. @ 1915 & 10/14 Fri. @ 1230 & 1430, 555 (10/7 Fisher-MA)
15070	2005	BBC: EE YL, ID, nx, 333 (10/5 Addison-KS)
21470	1420	BBC: EE BBC African Service, Sandy ? with request show to 1430, excerpt from play, f/out @ 1440, 433 (10/16 Chickerell-WV)
21710	1647	BBC: EE contry on terrorism on the World Today, ID @ 1659 followed by jingle & world nx, some QRM heard at this point from adjacent stations (434), 454 (10/28 Leonard-ME),(Addison-KS)

VATICAN STATE

		Vatican Radio
6015	0056	VR: EE Mailbag pgm, followed by interview w/OM from Tasmania, 444 (10/14 Gilster-NC),(Bledsoe-FL)(Bingham-MA)
9605	*0050	VR: EE OM&YL Vatican Centuries-serialized history of the Church, QRM via R. Moscow, 423 (10/4 Gilmore-MA),(Prath-FL)
11830	2220	VR: EE end of EE pgm to Australia, //9615, 333 (10/23 Prath-FL)
11845	0030	VR: FF song by boys choir, read from Jhonespile, gave extract from Popes sermon, 434 (10/13 Lutsky-Quebec),(Bingham-MA)
15120	1527	VR: FF IS heard until OM w/pgm in FF began @ 1530 with bongo drums, 444 (10/16 Brewer-KS)
17865	*1359	VR: SS IS, bells, s/on in SS to Latin Am., //21725, 554 (10/2 Prath-FL)

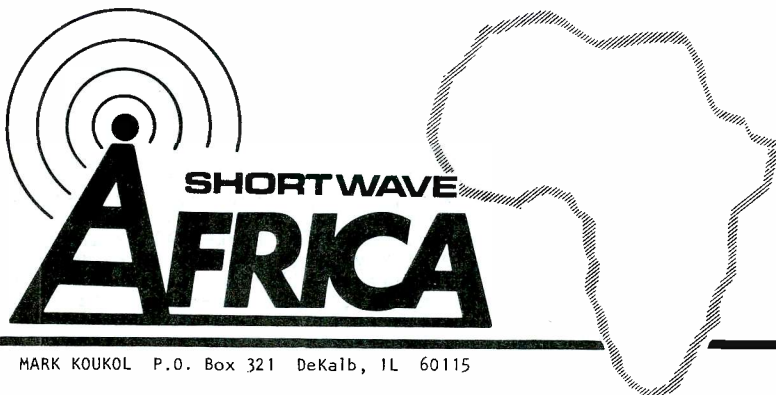
STATION KNOWN, COUNTRY NOT!! Radio Rainbow

6835M	0100	RR: SS mx & some nx, reception on USB, time signal indicated 0300 Summertime @ 0200 (This is probably Spain but we can't be positive), 444 (10/1 Card-RI)
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UNKNOWN STATIONS

5735	0310	lang class mx-sounded like it was being played on a synthesizer, heard what sounded like RSA's Bokmakierie bird in the background, OM w/ one word repeated three times then back to mx, signal w/lots of polar flutter, only carrier @ 0330 (10/2); 0050 retry to ID previous report-observed an open carrier only w/deep fades: 0200 carrier only, 0230 very faint audio, OM talk, unid lang (10/3) (Desrosiers-MA)
17695	2315	lang YL&OM announcer, echo, sounded like signal was coming in twice, off w/no ID @ 2325, probably via long & short paths!, 243 (Desrosiers-MA 10/9

It came awfully close but I was able to fit in at least one log for every freq reported.



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I want to begin by thanking you all for the tremendous support shown this month for SPEEDX-Africa; many excellent loggings in this issue, highlighted by DJIBOUTI 4780's appearance when the Venezuelan allows, and GUINEA-BISSAU, which apparently has been inactive or very irregular in the past. The DX season is certainly with us! Just one bone to pick: please do not send in loggings on W-I-D-E slips if you can possibly avoid it--these play havoc with my sorting system. About 1" wide is perfect. Last but not least, a very happy and meaningful Christmas to all!

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ALGERIA

- 9685 2004 R. Algiers; EE, YL w/nx pgm, short mx btwn features, positive(Norm, assume you meant this by "pos" instead of "possible" as not marked tent.-MK) ID @2020, 323(10/31 Cadorette-MA)
- 17745 2002 R. Algiers; EE nx by YL w/mx interval btwn items, Grenada a big item, then inst. mx & tlk on economy, co-channel QRM, 333-322(10/26 D'Angelo-PA)

ANGOLA

- 7245t 0500 R. Nac. de Angola; PT OM ancr, guitars & drums, native chants, no ID hrd, QRN, 3-2+(10/26 Witte-CA)

ASCENSION ISLAND

- 7105 0355 BBC Relay; EE, bells chiming, much QSB, OM w/ID & freq, nx @0400 s/on, 333(10/31 Kerrigan-IL)
- 11860 0445 BBC Relay; EE YL w/ID for World Svc followed by "Letters from London" pgm, 444(10/24 Henault-MA)
- 15260 2307 BBC Relay; EE w/world nx, 555(10/30 Card-RI)
- 21660 1300 BBC Relay; EE w/world nx, mainly abt Grenada events, 333 (10/25 Duncan-NC)

BENIN

- 4870 2140 ORTB; FF, long 40 min. drama w/ID 2235, into mx pgm dominated by flutes & drums, ID-NA-s/off @2301, 322(10/19 Baker-DE) Afro pops & reggae, exc. sig w/absolutely no noise! 455(11/5 Sharp-FL) @0600 in lang. w/tribal mx, OM ancr, 333(11/1 Cook-CA)
- 5025 2248 ORTB Parakou; FF, pop mx show, wobbly signal which improved w/time, fair(10/10 Cereghin-MD)

BOTSWANA

- 4848 0347 R. Botswana; EE/lang, barnyard sounds IS, choral NA @0357, ID in EE by OM @0359 "You are tuned to R. Botswana, bcstng from Gaborone; the time is 6 o'clock" & freqs, followed by a repeat in presumed Setswana by same OM, app. orchestral rendition of NA @0401, then app. sermon by the OM in Setswana, incl. relig. hymns by choir--exc. level to 0405, then nose-dive to poor by 0420; my first solid ID from this after many tries! 444(10/13 Cunningham-OH)(tnx for detailed rpt, OM! Congrats-MK) 322(11/4 McKeon-IN) 333(10/29 Stephany-NY) on 4845, also noted //3356(444) on one of best Afro nights in recent memory(10/31 Sharp-FL) 444(10/31 Clevelley-NY)(10/30 McKeon-IN) Remember that propagation condx tend to repeat in about 27 days(for solar flux & geomagnetic activity)--be listening GMT 11/27-28! -MK

CAMEROON

- 3970 2100 R. Buea; EE 2100-2110 w/nx by OM, ID @2100, //4000-4850-4795-9745!!(Nat. Svc. nx from all sites-MK) Very nice & clear on all freqs(10/1 Barto-GT)
- 4000 2241 R. Bafoussam; FF, chant by OM(not Koran), into segment of guttural sounds(birdcalls, etc.), brief mx, into tx by OM, 433(11/5 Sharp-FL) @0535 in FF w/pops, native mx, some Af. style rock, OM ancr, 3-2(10/28 Witte-CA)
- 4795 2102 R. Douala; EE w/nx, mostly Afro, incl. request for UN to take more interest in Chad, poor(10/12 Welch-MA) into vern. @2120 after EE nx, 232(10/20 Burke-VA) nx in EE--relay from Yaounde, 443(10/23 Miyachi-JP) EE & FF nx @2300, NA 2305, 2307\*, fair(10/8 Wilczek-IL)(10/10 Cereghin-MD) unid.(sure this is Douala, OM-MK), FF/EE, world nx @0547, YL in FF, hrd Cameroon ment., 222(11/2 Desrosiers-MA)
- 4850 2101 R. Yaounde; EE, nx by OM, ID @2107 as "This nx is bcst in the Nat. Svc. of R. Cameroon", then world nx until 2116 when overwhelmed by co-channel AA(pres. Iraq), 333-311(10/22 Cunningham-OH) 343(10/13 Welch-MA) @2230 in FF w/cont. Afro pops, OM ancr, //9745(422), 444(11/5 Sharp-FL) @0428 in FF w/nat. mx, ID 0430, 322(10/9 Brenesal-FL)

CANARY ISLANDS

- 75365 0110 REE Tenerife; SS, speech by Spain pres. & others, 333(10/9 Soomre-MA)

CENTRAL AFRICAN REP.

- 5035 2210 R. Centrafrique; FF w/OM ancr, native mx, ID hrd, 434(11/4 Cleveley-NY) @2205 FF/vern. w/apparent soap opera w/cont. tx & laughter btwn several OM's & YL, 454(11/6 Sharp-FL) @0509 in FF w/sub-saharan vocal mx pgm, OM tlk & ID, fair (10/8 Cereghin-MD)

CHAD

- 5286a 0505 R. Moundou; distinctive 3-note IS on wind instrument @0505, bad QSB, OM ancr hrd 0510, then Afro mx w/flutes, IS checks w/other rpts that positively ID'd them, 212--HIC #193!(10/16 Koukol-IL) tent. @0538 w/brief Afro mx & chants, tlk by OM in FF 0542 w/ment. of N'djamena, bad UT QRM de 5290, 322 (11/7 Sharp-FL) One rprtr sent logging for "1500-1515" GMT; suggest you had somebody's spur, OM, no prop. to Africa then-MK

CONGO

- 75190 1926 RTVC; FF w/hi-life mx, 1930 YL ID & tlk, Afro-mx, 443(10/18 Famularo-NJ)

DJIBOUTI

- 4780 0304 R. Djibouti; OM w/Koran prayers, fair sig under RTTY QRM, almost gone by 0315 when YL tx in ?lang. started, definitely not Tanzania as they noted on 4785 also, tx power is now 20 kW per QSL rcvd 10/22, fr/pr(10/1 Wilczek-IL) @0312 OM tlk in poss. Somali, ment. "Djibouti" & "meter band" @0315, KO'd thereafter by numbers stn! Carabobo absent; hrd other times opening at 0300 w/Koran chants, fr/pr(10/4 Parks-FL) @0258 w/brief military NA to 0300, then ID by OM & ment. of "Ja-bou-te", into Koran recitations, 332(11/7 Sharp-FL)

Congrat's, gents! No luck here--Carabobo on each check, also have noted RTTY & the SS numbers stn ment. above, grrrrr-MK

EQUATORIAL GUINEA

- 6250 2147 R. Nac.(Malabo); SS vocals to 2150, then into nx by OM, brief mx @2200, OM ID w/sked, NA & s/off 2201, 333(11/4 Sharp-FL) \*0500 w/NA, OM anmt "Puenos Dias Senoras y Senores...Radio Nac. desde Malabo, transmitiendo en 48 metros, frecuencia 6250 kc/s..." followed by Programa Musical, usual UT's not on tonite, 444(10/29 Wilczek-IL)

EGYPT

- 9475 0200 R. Cairo; in EE w/YL ancr & various features, 222-555(10/10 -11/5, 9 reporters) in AA @2125 w/OM ID, nx pgm, lcl mx, low modulation, 343(?/ Cleveley-NY)
- 9805a 1627 R. Cairo; EE OM w/tlk on development for the Sinai, ID-TC-world nx @2130, 434(10/20 Kerrigan-IL)
- 9850 2315 R. Cairo; AA w/mx pgm, OM ID, nx @2330, 444(10/20 Prath-FL)



11715 0055 R. Cairo; SS, Mid-East mx, chimes & ID @0100, nx, 322(10/21 Thunberg-PA)  
17670 1500 R. Cairo; AA Home Svc to AA speaking world, 10 min. nx on hour, 353(10/15 Prath-FL)

ETHIOPIA

7110 0310 VORE; Amharic, flute mx, nx pgm w/OM ancr, hvy QRM, to 0320, 222(11/3 Cleveley-NY) ID hrd, OM? If not, how did you identify? Sign-on not listed until 0330-MK

GABON

4777 0425 RTVG; FF, IS, NA, ID as "La Voix de la Renovation", OM tx in FF, Afro & rock mx @0432, 211(10/29 Moore-TX)  
4810 2143 Africa #1; OM ancr in fast FF, ID, local type pops in FF, 353(11/6 Desrosiers-MA) @2215 w/nice guitar & drum mx, almost sounded Indian, into tx by OM who sounded like he just came out of a Libreville bar! 555(11/6 Sharp-FL) @0503 FF w/good morning by OM/YL, then hi-life & rock mx, great reception! 454(10/27 Thompson-CA) 444(10/30 McKeon-IN)  
11940 1910 Africa #1; FF fast-talking DJ w/fast beat mx to 2000, brief OM tlk(nx?) then more mx, 333(10/1 Jones-TX) @2240 w/jazz & pop mx to 2257\*, 444(10/23 Manning-TX) 332(11/6 Szaboks) @0515 w/Afro rock mx, nx 0530, //4810, 323-555(10/9-11/7 +4)

GHANA

4915 2140 GBC; EE/vern. pgm of native vocal mx, ID 2145 by OM "This is the Ghana Bcstng Corp." & into nx in EE, 353(10/9 Welch-MA) @2147 w/obvious nat. & reg. nx, ID as "GBC" @2152, 333(11/6 Sharp-FL) @0604 w/nx abt Ghana, YL ancr, world nx, ID 0607 as "This nx comes to you from Ghana Bcstng Service substation", mx 0616, OM in lang. w/ment. of Ghana, 444(10/30 McKeon-IN)

GUINEA

9650 2250 LV de la Revolution; FF, long pol. tlk/speech w/applause to 2308 ID, into Afro mx, //15314, 2355 "Voix de la Rev." ID & nx, severe VOA IS QRM @2358, s/off 0101 w/NA, 353(10/10 D'Angelo-PA)  
15310v 1022 LV de la Revolution; FF, non-stop mx, @1050 ancmt using sound of car crash & sirens(safety message?), ID 1127, 343(10/22 Welch-MA)(do you mean 10/23 on date OM? Sked shows Sundays only on this early-MK) @1824 w/EE nx abt Africa, ID & into cmtry on RSA, brief mx & more EE tlks to 1848, 343(10/23 D'Angelo-PA)(10/30 Sharp-FL) in FF @2248, Afro mx w/strong xylophone flavor, ID 2256, vern. discussion w/2 OMs, many ments. "Kamerad", 433(10/16 Baker-DE) +2

GUINEA-BISSAU

5040 0607 Rdf. Nacional; FP, quick tx by OM, probably nx, ID 0610 as "Escutar...Radiodifusao Nac...Guinea-Bissau..." first time ever hrd on SW!! 333(11/6 Sharp-FL) Nice! This is \*0600, & apparently quite irregular-MK

IVORY COAST

4940 2357 RTVI; FF, lcl nx by laid-back OM, 2359 brief synthesizer mx, ID as "Radiodiff. Ivoireenne", into sked, NA to 0001\*, 444(11/2 Sharp-FL) @0602 w/OM giving all freqs, then ID, terrible condx, 332(10/31 Ulmer-LA)  
7215 2350 RTVI; FF, rock mx incl. some US tunes, OM DJ w/occ. cmnt, partial ID @2350, freqs 0000, NA 0001\*, 322(10/15 Jones-TX) 323(11/3 Cleveley-NY) @0612 FF/vern. w/mx mixed C&w/hi-life/Elvis, many ads & IDs, pres. nx @0630, 322(11/4 Farley-IL)

LESOTHO

9515 0400 BBC Relay; IS, ID, EE OM w/world & UK nx, press review, faded out @0425, 433(10/12 Stanley-AZ)

LIBERIA

3255 2247 ELBC; EE, pgm of current US top 40 hits, brief OM tx & into dedications & birthday greetings, 333(11/5 Sharp-FL) @2350 w/late class. mx, ID & s/off ancmts 2358, 222(10/11 Moman)  
4765 2210 ELWA; EE, nx by OM to 2216, hymns, sermon, ID 2300, 232(10/25 Ray-PA) 2214-2253 w/relig. mx incl. "Amazing Grace", YL ID 2244 "This is E-L-W-A, thank you for listening", into another relig. pgm, 343(10/13 D'Angelo-PA)

6035 0300 VOA Relay; EE, IS & ID, world nx, "African Safari", 434 (10/11 Stanley-AZ)

11830 0720 ELWA; EE, "Encounter" relig. pgm, into ?lang. @0730, 222 (11/6 McKeon-IN) This slot Sat/Sun only per WRTH-MK

15315 \*1829 VOA Relay; Yankee Doodle, EE ancmt that following bcst in FF, then into FF nx, 353(10/23 D'Angelo-PA)

15600 1745 VOA Relay; EE tlk on US history, //15410-11900-17785, 443 (10/30 Prath-FL) @2200 EE w/nx, 555(10/28 Karns-OK)

LIBYA

11815 2232 R. Jamahiriyah; or, R. Jammalammadingdong, EE tlk on how great Khomeini is & how rotten the US is, bad mixing w/1 & poss. 2 other stns, 322(10/20 Burke-VA) EE, various pgms 2200-2350\*v then into AA, 333-555(10/11-11/6, 14 rpters)

15450 1834 SPLAJBC; AA w/"Voice of the Arab Homeland" pgm, //17930 at equal level, OM w/pol. tlks & nx, 433(10/12 Palmer-WA)

MADAGASCAR

15560 \*1330 R. Nederland Relay; IS, s/on in Dutch w/nx to Asia, 333(11/5 Prath-FL)

15570 1602 RN Relay; AA, 2 OM's tx & AA mx, ID & s/off 1619, 433(11/5 Thompson-CA)

MALI

4783 2227 R. Nat. du Mali; FF, weak sig w/indig. mx, ID 2230 as "Ici Bamako...Rdf du? Mali", into YL tx, //5995(222), 322(11/6 Sharp-FL)

5995 2129 R. Nat. du Mali; FF, drama pgm, can catch this freq almost daily this time, 322(10/8 Brenesal-FL)

EBCMS shows sked as Mon-Sat 0600-1000, daily 1800-0000 on 4783/4838/5995; also daily 1200-1800, Sunday 0700-1800 on 7110/9635/11960.-MK

MAURITANIA

4845 2120 R. Nat. du Mauritanie; AA, cont. guitar mx to 2130, then full ID by OM, into indescript chants, not Koran, 333(10/30 Sharp-FL) 353(11/3 Welch-MA) @2238 w/AA tx, good sig but low audio, short mx 2241-2242, then more tx, mx again 2253, tlk 2300 then ID & nx, 353(11/6 Desrosiers-MA) @2320 in FF w/world nx, lcl guitar mx, into AA @2330, AA recitations to 0002, then NA & s/off, 444(10/29 Soomre-MA)

MOROCCO

7240nf 0207 RTVM; AA, nx by OM, ID @0210, VOA/RTVM may have time share on this freq--Reinstein in DXSF hrd VOA pre-empt RTVM 10/28 for Reagan speech, anyone confirm? 333(11/7 Sharp-FL)

15595 1315 RTVM; AA, tlk by OM ment. Angola/RSA, AA mx pgm 1320, //17595 hrd w/weak sig, 333(10/9 Prath-FL) @1658 w/sked & s/off, 333(10/17 Zilmer-NM)

17595 1740 RTVM; AA, tlk by OM, Afro-AA mx, end 1759 w/IS & s/off at 1800, 333(10/16 Lipman-NY) @1820 w/AA mx, then hr long tlk by OM, Koran, more mx, ID & freqs @2002, 333(10/8 Gilster-NC) s/off apparently varies!-MK

MOZAMBIQUE

4865 0410 R. Mocambique; PP, pgm of lcl drum/xylophone mx w/occ. disco, OM ancr, bad FM spur de lcl, 422(10/21 Sharp-FL)

NAMIBIA

4965 2156 Radio SWA; lite mx w/OM ment. of "Windhoek", lang probably EE but too weak to verify, poor(11/6 Sharp-FL)

NIGER

3260 2151 ORTN; FF, nx by OM, ID @2157, inst. mx prior to 2159\*, vy weak but in the clear(10/2 Barto-CT)

5020 0500 ORTN; FF, sub-Saharan mx, 3 slow pips @0500, into OM/YL nx, Fair(10/8 Cereghin-MD) @0546 w/app. Koran recit. to 0550, then OM ID "La Voix du Sahel", into lcl mx past 0600, 323 (11/6 Sharp-FL)

NIGERIA

4770 2316 FRCN Kaduna; EE, good mx w/YL ancr, gave TC & several IDs, hard to understand accent, 322(11/4 Johnson-IL)(+4) @0400 s/on in EE to past 0529 w/disco & pop mx, also IDing as "Channel 2, Kaduna", 333-555(10/17-10/31 6 rpters)

4932 2041 FRCN Lagos; EE, mx, @2046 gave ID as "Educational Svc of

R. Nigeria" & said it was test xmn--asked for rpts, 353(10/23 Welch-MA) @2110 w/OM nx, then into tlk, hrd OM ID "you are listening to ?? service of R. Nigeria", 252(11/6 Desrosiers-MA) See BBCMS item at end of column-MK  
7255 \*0500 VON; EE, drums IS, ID, OM w/Afro mx & vocals, into world nx @0530, 433(10/10 Stanley-AZ) +5  
15120 1805 VON; EE, ID @1814, lcl mx, QRM de SBC IS, 423(10/7 Cadorette-MA) @1030 w/nx, QRM de DW co-chan., 232(10/9 Welch-MA)

RWANDA

11965 \*1500 DW Relay; EE, nx, "Window on the World" pgm, QRM de VOA Chinese svc, 322(11/4 Thunberg-PA)  
17800 1227 DW Relay; IS w/site ID by OM in FF, YL EE ID @1230, into EE nx by OM & cmtry, 434(10/21 Sharp-FL)

SAO TOME E PRINCIPE

4807t 2259 R. Nacional; PP, brief tx, clear gong @2300, then more tx, but no ID due to ANO splatter, 2301\*(11/3 Sharp-FL)

SENEGAL

4890 2310 ORTS; Vern., after 25 min. of seemingly endless & monotonous mx, finally ID @2335 "...du Senegal", short nx bulletin & return to mx, 333(10/16 Baker-DE)(+3) \*0600 w/FF ID, into AA chants 0605-0616, OM in AA 0616-0624, FF 0628-0647, Vern. 0647-0700; nx by OM/YL 0700, 222(10/15 Hevern-NY)+1

SEYCHELLES

15325 1609 FEBA; EE nx to E.Afr., OM w/Brit. accent, item on a murder by a medicine man, IS 1612 & off, 444(10/8 Palmer-WA)  
15400 1815 FEBA; unid. lang, hrd tone IS under VOA, OM lang ID 1819, tx by YL, AA-type mx, 433(10/22 Sharp-FL)  
15410 1613 FEBA; Swahili, IS at t/in, opened 1615 w/nx, abt even with co-channel VOA, 222(10/8 Palmer-WA)

SIERRA LEONE

5980t 0715 SLBS; cont. Afro mx thru 0744, no ann., 434(10/29 McKeon-IN) tent. @0750 w/hi-life mx, OM ancr, rock mx, 0800 YL tx but no ID hrd--been months since I've hrd SLBS here, 232(10/15 Thompson-CA)

SOMALI REP.

6790 0305 R. Mogadishu; AA, OM tlk & ID, spoke strongly as if pol. speech, QRM increased @0325, 233-222(10/17 Alexander-NC) @0341 tx by OM, into vy distinct Somali mx & vocals, clear ment. of "Soomaliyah" @0347, 444(10/31 Sharp-FL)

SOUTH AFRICA

Had to cut all RSA logs this month; the end of the column is creeping up vy quickly this month!--MK

SUDAN

Two rpts rcvd for 17940--this is clandestine "Voice of the Sudanese Revolution" and is almost certainly being carried over SPLAJBC in Libya, per BBCMS. See clandestine section for loggings-MK

SWAZILAND

4760 0310 TWR; YL w/EE ID, followed by OM in GG w/nx & cmtry, 222(10/6 "JFH"-MA)  
7295 0356 TWR; IS w/OM EE ID, into AA relig. pgm @0400, 433(10/16 Drollinger-WI)

TANZANIA

5050 0358 R. Tanzania; Swahili, brief OM tx, then drums, partial ID @0400, into pres. nx, 333(11/4 Sharp-FL) 333(11/5 Cleveley-NY) 323(10/29 Witte-CA)

Re the Thompson-CA tent. log last month, Peggy reports that this was definitely not Togo as it was also noted at the same time, and she is sure lang was FF--anyone hear FF w/Afro mx @0600 here of late? Tnx for the note Peggy-MK

TOGO

3222 2145 R. Kara; in FF w/ancmts by OM & ID, vy strong level--best Afro 90 mb opening hrd in a while!(date? Barto-CT)  
5047 2253 RT; FF, cont. mx to 2259, then OM ID & into pres. nx, 333(11/4 Sharp-FL)

TUNISIA

7225 \*0430 RTVT; NA, OM ID in AA, Koran prayers, AA mx, QRM de DW Kig-  
ali EE co-channel, 434(10/7 Wilczek-IL)  
11745 2105 RTVT; AA tx by OM, probably nx, brief mx & ID @2110, rumor  
has it RTVT will expand into other langs, poss. EE, 444  
(11/6 Sharp-FL)  
15225 1945 RTVT; AA, ME mx, YL/OM ann. 2005 w/IDs then nx, bad QRN,  
fair(11/2 Witte-CA)

UGANDA

5027 \*0300 R. Uganda; EE, prayer, "What's the Time" pgm, tremendous  
mx w/many TC's, great sig. w/slight over-mod, 444(11/7  
Farley-IL) @0320 w/TC's, tlk on making the most of the  
weekend, 0330 time pips & into pres. Afrikaans nx(Swahili  
sounds more likely-MK), 0400 into EE nx, 3+53+(10/29 D'Ang-  
elo-PA) EE, TC 0400 as "7 AM Eastern African Time" then OM  
nx on mainly Af. events, lcl nx 0405, ID @0410 "This nx  
bcst comes to you on the Home Svc of R. Uganda, Kampala",  
322(10/29 Cunningham-OH) Good to see this one back-MK

UPPER VOLTA

4814 2212 RTVV; FF, lcl mx, being clobbered by ANO on 4810, did get  
partial ID by OM @2219 "Ici Ouagadougou, La Voix...", 322  
(11/3 Sharp-FL)

ZAIRE

5067t \*0328 R. Candip; FF, stumbled into mellow IS till 0330, then  
brief lilting mx & opening ancmts by OM in def. FF; after  
brief tlks, into Afro mx--definitely there and //3390, but  
too weak for any intelligibility, began fading almost imme-  
diately, 222(10/29 Cunningham-OH)(nice catch!-MK)

ZAMBIA

4911 0350 ZBS; EE/vern., birdcall IS, OM w/vern. ID @0353, then choral  
mx, clear "Radio Zambia Home Svc" ID @0355 by OM then tlks,  
434(10/18 Berri-CA) 0352 s/on in vern., almost powerhouse  
lvl & armchair copy until CW tlc @0405 blew it off the band,  
444-211(10/21 Sharp-FL)

ZIMBABWE

3396 0340 ZBC; ?lang. w/native mx & OM ancr, 222(10/14 Cadorette-MA)  
More details pse, OM! How did you ID it?-MK

A couple of missorts...sorry bout that!

ANGOLA

9535 1505 R. Nac. de Angola; Swahili, OM/YL ancrs w/world nx, lcl mx,  
ID, good(11/2 Cleveley-NY)

KENYA

4934t 0259 VOK; vern., flute & drum IS noted under blasted UT--seems  
UT's are on all the good freqs, hi! 322(11/4 Sharp-FL)

\*\*\*\*\*

CLANDESTINE

17940 1519 Voice of the Sudanese Rev.(Libya); AA mx & lengthy tx by  
OM, hrd here w/strong sig most days, good mx, 454(11/5  
Thompson-CA) @1610 in AA, mx w/trlk by OM, frequent ments.  
of Sudan, 343(10/9 Evans-TN)

UNIDENTIFIED

3255 0502 EE/?, relig. pgm "The Meditation", then chanting & into ?-  
lang sounds Dari or Urdu, poss. India(AIR) or Liberia, 232  
(11/2 Desrosiers-MA)

4910 0215 EE/vern., Afro mx, hvy Af accent EE OM w/ments. of several  
Afro ctrys then numbers(stocks?), into vern. & more af mx  
& EE pop--too early for Zambia by more than an hour; what  
do you think? 332(10/29 Thompson-CA)

\*\*\*\*\*

Now let's see how much BBCMS data I can fit in:  
Nigeria: New Educational Svc testing on 4932 w/0400-2300 UTC ancd; at  
times 7/4990 Lagos for nx. Reports requested to General Manager, Educa-  
tional Svc, Radio Nigeria, Ikoyi, Lagos.  
Tanzania: V. of Tan.--Zanzibar is expected to start external bcsts in  
AA & EE w/50 kW SW xmtr next year.

Hoo boy! Out of room--keep up your great support! Happy 1984, Mark

# WORLD SERVICE STATION SKEDS

EMISSIONS

TRASMISSIONI

PROGRAMS

SERVIZIO

BULLETIN DE PROGRAMMES

ENGLISH SERVICE

PROGRAMME SCHEDULE

Editor:

CHRIS LOBDELL  
P.O. Box 146  
Stoneham, MA 02180

Deadline: 12th

COMUNICATI NEL CORSO

Hello fellow SPEEDXers. Gee, it's December already. What I want to know is where the fall went. I'm one of those people who hopes that some year the Montreal Express will be derailed. No such luck. The frigid winds are already starting to blow.

We are in the D83 broadcasting period which will continue until the first Sunday in March. Remember, all times are in UTC and unless otherwise stated, skeds are for English programs. Material credited to the BBC MS is copyrighted and used by permission of the World Broadcast Information Division of the BBC Monitoring Service.

ARGENTINA. Radiodifusion Argentina

Al Exterior in Buenos Aires issued this sked in September.

0100-0130 6060, 11710, 15345 to Europe, Americas

0230-0300 6060, 11710, 15345 to Europe, Americas

0430-0500 6060, 11710, 15345 to Europe, Americas

1100-1130 11710 Far East

1200-1230 11710 "

1930-2000 15345 to Europe, Africa and Middle East

2230-2300 15345 to Europe, Africa and Middle East

(J. Talbot)

AUSTRALIA. Radio Australia has eliminated prgrams beamed specifically to North America but suggests the following D83 frequencies for best reception.

0200-0800 15160

0200-0400 15320

0200-0400 17795

0500-0730 15320

0500-0730 17795

1200-1600 9580

2100-0100 15160

2230-0100 15320

(C. George, R. Yajko)

AUSTRIA: CONTINUED.

1030-1100 17810 Australia

21490 "

1230-1300 6155 Europe/North Africa

9770 Northern Europe

17770 North America

1330-1400 7225 East Asia

9625 East Asia

1500-1530 6155 Europe, N. Africa

9690 South/Southeast Asia

11825 "

12015 Southwest Europe

1830-1900 6155 Europe/North Africa

9545 East Africa

11760 Middle East

11935 South Africa

2130-2200 5945 Europe/North Africa

7255 East Asia

9555 East Asia

11665 South America

(C. Hodgson, P. Szabo)

CHINA. Radio Beijing announced the following North American service sked effective October 31st.

0000-0100 9860, 11650, 11945 ECNA

0100-0200 " " " "

0200-0300 9860, 11650 "

0300-0400 9860, 11650, 11945 WCNA

0400-0500 9860, 11650 WCNA

1100-1200 9820 ECNA

1200-1300 9820, 11650 ECNA

AUSTRIA. The ORF in Vienna has issued (T. McKeon, F. Welch) this Sked valid until May.

0130-0200 5945 ECNA

9770 "

0330-0400 5945 "

9770 "

0430-0500 5945 WCNA

9770 "

0830-0900 6155 Europe/North Afr.

15270 Australia

15410 Middle East

17830 Australia

DENMARK. Radio Denmark in Copenhagen has issued this D83 schedule. All programs are in Danish but an announcement in English precedes each transmission.

0000-0052 15165 North America

1000-1052 17770 S. Europe/West Africa

1100-1150 15165 Greenland/Pacific

1200-1252 25850 Australia/Far East

DENMARK: CONTINUED

1300-1352 25850 Africa/Europe  
 1400-1452 15165 North America  
 1500-1552 15165 Australia/S. Asia  
 1600-1652 15165 WCNA  
 1730-1830 15165 Greenland/Pacific  
 1900-1952 15165 East Africa/ME  
 2000-2052 15165 ECNA  
 2100-2120 15165 Greenland/Pacific  
 2130-2150 15165 South Europe/Afr.  
 2200-2252 15165 S. America/Caribb  
 2300-2352 15165 Far East/Japan  
 (I. Danko)

ECUADOR. HCJB in Quito sends this D83 sked for the English service.

0030-1100 26020 omnidirectional  
 0030-0130 15250 Americas  
 0030-0500 15250 North America  
 0030-0700 9745 North America  
 0500-0700 6095 "  
 11910 "  
 0700-0830 9655e Europe  
 11835 "  
 0700-1000 9745 South Pacific  
 0700-1100 6130 "  
 11925 "  
 1215-1530 15115 North/South Am.  
 17890 "  
 1215-1430 11740 North America  
 1200-1530 26020 omnidirectional  
 1900-2000 26020 "  
 17790 Europe  
 21480 "  
 2130-2200 15295 "  
 17790 "  
 21480 "  
 26020 omnidirectional

e = weekdays from 0645  
 (S. Alexander, R. Gilmore,  
 B. Muzyka)

FINLAND. Radio Finland's D83 sked to North America

1200-1225 15400, 15275  
 1300-1325 15400, 17800  
 1400-1425 15400  
 1500-1525 15400, 17800  
 SUNDAY ONLY  
 1330-1525 15400, 17800  
 (R. Yajko)

GERMANY (FEDERAL REPUBLIC): The Voice Of Germany (Deutsche

Welle) in Cologne adheres to this D83 sked.

0100-0150 6040, 6085, 6100, 6145,  
 9545, 9565, 11785 to  
 ECNA  
 0500-0550 5960, 6130, 9545, 9690,  
 11705 to WCNA

Not all transmitters are in Germany. Some are in the Caribbean and Malta. (R. Munster, J. Talbot, C. White)

ISRAEL. The Israel Broadcasting Authority in Jerusalem. This D83 schedule is valid until March 4th, 1984

0000-0030 7410 Europe/North America  
 9815 "  
 11655 "  
 0100-0125 7410 "  
 9815 "  
 11655 "  
 0200-0225 7410 "  
 9815 "  
 11655 "  
 0500-0515 7410 "  
 9009 "  
 9420 "  
 9815 "  
 11960 Europe  
 15485 "  
 21710 Far East/Australia  
 1100-1130 11610 Europe/North America  
 13745 "  
 15485 Europe  
 15585 Europe/North America  
 15620 Far East/Australia  
 17630 Europe/North America  
 21495 Europe  
 1800-1815 9890 Europe  
 11590 "  
 13720 "  
 2000-2030 9009 South Africa  
 9440 Europe/North America  
 9815 "  
 11655 "  
 11960 "  
 13745 "  
 2230-2300 7410 "  
 9815 "  
 11655 "  
 11960 "  
 13745 "  
 17630 Latin America

HEBREW LANGUAGE RESHET BET TO NORTH AMERICA

0400-0615 9835, 11590, 13720  
 0615-1100 17630  
 0615-1400 15615, 17585  
 1200-1400 17630  
 1745-2310 9385  
 1830-2310 9890, 11590, 13720

RESHET HEH SPECIAL HEBREW BROADCAST

0030-0100 9815  
 (J. Levin, R. Stein, B. Zilmer)

ITALY. Here's the D83 sked for RAI in Rome.

0100-0120 5970 North America  
 9575 "  
 0350-0410 9710 Southeast Asia  
 11905 "  
 15330 "  
 0425-0440 6165 Mediterranean Area  
 7275 "  
 1935-1955 7275 Great Britain  
 7290 "  
 9575 "

ITALY: CONTINUED.

2025-2045	7235	Near East
	9575	"
	11800	"
2200-2225	5990	Japan
	9710	"
	11800	"

(R. Munster, B. Zilmer, D. Sharp)

KAMPUCHEA. Radio The Voice Of The People Of Kampuchea. Undated yet current sked.

0000-0015	9695, 11940
1200-1215	9695, 11940

(C. Hodgson, S. Leite)

MALAYSIA. The Voice Of Malaysia in Kuala Lumpur. Undated sked.

0555-0825	6175, 9750, 15295
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(M. Witte)

NETHERLANDS ANTILLES. Trans World Radio-Bonaire. The listing expired on November 5th.

0400-0600	9535	North America
1115-1235a	11815	"
1115-1337b	11815	"
1115-1352c	11815	"

a = weekdays

b = Saturday

c = Sunday

(P. Szabo)

SWEDEN. Here's the D83 winter sked of Radio Sweden International.

0230-0300	9695	North America
	11705	"
1100-1130	9630	Europe/Africa
	17845	Australia/N.Z.
1230-1300	9745	East Asia
	21690	Africa
1400-1430	17850	South Asia
	17860	North America
1600-1630	6065	Europe/Africa
	11920	South Asia
1830-1900	6065	Europe/Africa
	11845	Africa
2100-2130	9710	Africa
	9715	Middle East
2300-2330	9695	North America
	11710	"

(B. Campbell, C. George, C. Hodgson, R. Munster, B. Zilmer)

SWITZERLAND. Swiss Radio International in Berne. This sked is valid until November 1984.

0145-0215	6135, 9635, 9725,
	11715 to ECNA
0430-0500	9725, 11715 to WCNA
1315-1345	21570 to ECNA

(F. Forrest, C. Hodgson, R. Stein)  
 ECNA = East Coast North America  
 WCNA = West " " "

SOUTH AFRICA. Radio RSA in Johannesburg has published their final frequency schedule for the D83 period.

0200-0256	5980	North America
	9615	"
	11730	"
0300-0426	3230	Africa
	4990	"
	5980	"
	7270	"
	9585	"
0630-0730	7270	Africa/Europe
	11900	"
	15220	"
	17780	"
1100-1156	15220	Africa/Europe
	21535	"
	25790	"
1300-1556	9585	Africa/Europe/Mideast
	15220	"
	25790	"
2100-2156	9585	Europe/West Africa
	11900	"
	15185	"

(B. Zilmer)

VENEZUELA. Radio Nacional de Venezuela in Caracas. Undated schedule. Programming is in Spanish.

0100-0200	9540
0300-0400	9540
1100-1200	11595
1400-1500	11595
1800-1900	11595

Address for reports is Apartado 3979, Caracas 1010, Venezuela.  
 (A. Timofeev)

CONTEST

Radio RSA lists CAPRIVI as one of their targets in their schedule. The first reader who can tell me where CAPRIVI is located will win 2 IRCs. In case of a tie each contestant will win an IRC each.

Well, that wraps up this issue of the skeds for December. I hope all of you have a blessed holiday season.

My appreciation goes to all of you out there who help make this column such a success month after month. My only regret is that due to space limitations I cannot use all reports received. To be fair, I try not to print the same schedule two months in a row. This gives us more room for variety.

Time for some egg nog. Have a Blessed Christmas.

*Chris*

# 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.F.

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.....

**DEADLINE:**  
12th Day of  
the Month

**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: New Publication... "GUIDE TO UTILITY STATIONS" (book G) by Joerg Klingenfuss, 2nd edition of his General Frequency & Callsign Guide. Revised & updated - 9 1/2 by 6.75 in size, 236 pages. Universal Electronics has the North American publishing rights. This edition is titled, "WORLD GUIDE TO UTILITY STATIONS", & is 8 1/2 by 11 size. Both contain the exact same material, which is... ITU freq allocations guide, sta ident regulations, terms & definitions, emission designators... 1605 to 27017 kHz list of utility stations (voice/CW/FAX)... alphabetical callsign list... abbreviations lists... Q & Z codes... aero mobile terms, definitions, frequency allocations... maritime mobile freq table... FAX characteristics... utility station address list... 3 aero mobile allotment area maps... plus one follow up supplement. Prices: from Klingenfuss - 60 DM..... from Universal, 14.95 plus 1.75 postage/handling (\$16.70 total) Order from:

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Hagelloch  
D-7400 Tuebingen 7  
Federal Republic of Germany

Universal Electronics Inc  
4555 Groves Road - Suite 3  
Columbus, OH 43227

..... Now onto this months loggings.....

\*\*\*\* NORTH AMERICA \*\*\*\*

AK..: 5696.0 U 0245 NOJ- CG Kodiak wkg CG 1473 (ISD-NJ)  
10048 U var. Anchorage Aero wkg VARIQ 892/SINGAPORE11(JRU)(JCH)  
CAN.: 3286 C 1130 CKN- CANMLL Halifax - NAMS msg (TFS-NY)  
6716 U 0326 CANMLL Vancouver wkg ROMEO LIMA 789 (RLR-KS)  
8440.7 C var. VOS- Halifax CGR - V/QSX mkr (AR-VA)(DLS-NY)  
8452.9 C 1111 VAI- Vancouver CGR - CQ/QSX mkr (DLS-NY)  
8864 U 1417 VFC- Gander Aero wkg FONDA 35 (BCW-VA)  
8891 U 2028 Churchill Aero wkg CLIPPER 121 (JRU-OR)  
8891 U 2356 Chamberlly Bay Aero wkg JAPAN 453 (CC-DE)  
8891 U 0524 Profisher Bay Aero wkg JAPAN AIR 504 (JCH-MD)  
10051 U 2330 VFC- Gander VOLMET (LB-VA)  
13270 U 1951 VFC- Gander VOLMET (JRU-OR)  
GRLD: 13201 U 1937 Thule Awsy wkg MAC 60152 (JCH-MD)

8903.0 U 0729 UNIFORM VICTOR 390 wkg Honolulu Aero (BPS-CA)  
8993 U 0220 YOKE 22 p/p BLUE DIAMOND CONTROL via MacDill (JFH-MA)  
8993 U 0117 SAM 24201 p/p via Albrook Awsy (CC-DE)  
8993 U 1342 DELTA DELTA 112 wkg MacDill Awsy (JDM-MN)  
8993 U 0319 SAM 86970 wkg Andrews AFB (RLR-KS)  
9007 U var. SAM 24126/24127 wkg Andrews AFB (RAL-OH)  
9014 U var. JOYCE 43/69 wkg Scott Awsy (CC-DE)(JFH-MA)  
9017 U 1553 SAM 24197 wkg Andrews AFB (RAL-OH)  
9018 U var. SAM 24129/12493 wkg Andrews AFB (RAL-OH) (BLA-PA)  
9018 U var. SAM 24197/31682 wkg Andrews AFB (RAL-OH)  
9018 U var. SAM 30500 wkg Andrews AFB (RLR-KS) (RAL-OH)  
9020 U 0625 GULL 24 p/p LETTERMAN via Hickam Awsy (BLA-PA)  
9023 U 2133 RAVINE wkg HUNTRESS via TENNIS (MDC-NY)  
9120 U 1320 SAM 31681 wkg Andrews AFB (RAL-OH)  
9180 U 1300 SAM 27000 wkg Andrews AFB (RAL-OH)  
9320 U 1543 SAM 31683 p/p CROWN via Andrews AFB (RAL-OH)  
9375 L 1553 SAM 24201 wkg Andrews AFB (RAL-OH)  
9795 L 1338 SAM 12496 wkg Andrews AFB (RAL-OH)  
11118 U var. SAM 86971/24126 wkg Andrews (BLA-PA)  
11176 U 0022 YOKE 59 p/p via Albrook Awsy (RWP-TX)  
11176 U 1903 HARDROCK 23 wkg HARDROCK CONTROL via Albrook (RWP-TX)  
11176 U 2344 SAC AIRCRAFT 0347 with any sta call (CC-DE)  
11176 U 2215 VOODOO 11 wkg Andersen AFB Guam, then Groughton, UK.!

unusual propagation conditions for this (CG-DE)  
ALFA ALFA CHARLIE YANKEE wkg Albrook Awsy (RWP-TX)  
NOBLE LAD p/p MISSIONARY via Albrook Awsy (RWP-TX)  
11176 U 2305 TANGO 8 DELTA wkg unid Norwegian sta (FB-FRG)  
11182 U 0801 PAPA 3 DELTA p/p RAYMOND 24 via Scott (MDC-NY)  
11182 U 1653 HEAD DANGER p/p RAYMOND 24 via Scott (LSD-NJ)  
11234 U 2306 2 HOTEL DELTA DELTA wkg ARCHITECT (JCH-MD)  
11246 U var. MOYER 98/03/08-p/p FORMAT via MacDill - these a/c involved in Grenada evac missions (JDM-MN)  
11246 U 1330 MOVER 06 p/p New River MCAS via MacDill (JDM-MN)  
11249 U var. AIR FORCE 1 wkg Andrews AFB (RDS-NJ) (ISD-NJ)  
11249 U var. AIR FORCE 2 wkg Andrews AFB (RDS-NJ) (RAL-OH)



MEX.: 12830 C 0111 XFM- Manzanillo MARCO - CQ mkr (PAG-NC)  
 4518 U 0318 NWC- CG San Fran p/p for CGC WESTWIND (JFH-WA)  
 USA.: 5692 U 0343 NOI- CGAS Detroit wkg CG 1455 (JOH-MD)  
 5696 U 2215 NMB9- CGAS Savannah wkg CG 1375 (JCH-MD)  
 5696 U 0245 NWA- CG Miami wkg CG 1700 (RJC-WA)  
 5696 U 0413 NOY8- CGAS Corpus Christi wkg CG 2129 (JCH-MD)  
 6506.4 U 0202 NWC- CG San Fran wkg CGC LAUREL (JFH-WA)  
 6506.4 U 1137 MNW- CG Portsmouth - WX b/c (ROB-WI)  
 6506.4 U 1247 VOA- CG San Fran wkg NOAA DISCOVERER (RMA-IA)  
 6873 I var. VOA- Greenville Feeder (NRC-WA) (JJK-NY)  
 8090 C 0307 NAM- Norfolk NAVRAD - 5W b/c (AR-VA)  
 8486 C 1108 WOC- Lantana MARCO - V/QSX mkr (DLS-NY)  
 8666 C 0353 KLC- Galveston MARCO - CQ/QSX mkr (JFH-WA)  
 8722 U 0336 WOM- Ft. Laud MARCO wkg m/v NORWAY (NRC-WA)  
 8794 U 0355 WOM- Ft. Laud MARCO wkg NEW AMSTERDAM (JFH-WA)  
 8843 U 2014 San Francisco Aero wkg HAWAIIAN EXPRESS 3 (JRU-OR)  
 8918 U 0006 KEA5- New York Aero wkg AEROFLOT 340 (ROB-WI)  
 8984 U 2351 NOI- CGAS Traverse City wkg CG 2131 (JCH-MD)  
 8993 U 0303 AFE8- MacDill Aways- P/P for NAUT 61 (JFH-WA)  
 8993 U 0335 AFE8- MacDill Aways- P/P for YOKE 27 (JFH-WA)  
 10051 U var. W5Y70- New York VOLMET (NRC-WA) (IB-VA)  
 11282 U 2156 San Francisco Aero wkg JAPAN AIR 1 (JRU-OR)  
 11396 U 1857 New York LDOC wkg EASTERN 808 (RDS-NJ)  
 12808.5 C 0133 KPH- San Francisco MARCO- wkg TOYOTA WARU (NRC-WA)  
 12847 C 0202 KPA- Port Arthur MARCO - V mkr (PAG-NC)  
 13002 C 0255 KPH- San Francisco MARCO - t/c list (AR-VA)  
 13215 L 1931 AFA3- Andrews AFB MD wkg SAM 24129 (JOH-MD)  
 13630 U 1455 KDM59- FAA Hampton on GA c/g KOP63 & KIM80 (DRH-PA)  
 17161 C 1407 MOE- Lantana MARCO CQ mkr (TFS-NY)  
 18746.5 C 1700 WCY912- FEMA Mt. Weather MD- coded msg (RLR-KS)

\*\*\*\* CENTRAL AMERICA \*\*\*\*  
 BELZ: 13950 L 1530 VFL- USMILCP Belize wkg AHP4 (RLR-KS)  
 PANA: 13201 U 2316 AHF3- Albrook Aways wkg GRAND JUNCTION (JOH-MD)  
 15015 U 2321 AHF3- Albrook Aways wkg IVORY 80 (JOH-MD)  
 21375 S 1806 ALBROOK CONTROL wkg KA20RHK in Grenada (FJO-OH)  
 22413 C 2135 HPN60- Canal MARCO - CQ mkr (DB-AR)

\*\*\*\* CARIBBEAN \*\*\*\*  
 CUBA: 8573 C 1055 CIA- Havana MARCO - CQ/QSX mkr (DLS-NY)  
 GIT.: 8984 U 1716 ABEJOT GITMO wkg MIAMI OPS (JOH-MD)  
 GREN: 14351 U var. KQ2PK AROS on Grenada wkg other AROS,  
 21308 U var. J37AH/KAZORHK news networks, US military oper't,  
 21375 U var. KA20RHK during the recent Grenada Oper-  
 ation.. (RWP-TX) (JDM-MN) (JOH-MD) (FJO-OH)  
 6470.5 C 0238 6YI- Kingstons MARCO - V mkr/t/c list (PAG-NC)

U var. SAM 27000 wkg Andrews AFB (RDS-NJ) (BLA-PA)  
 11249 U 1350 MOYER 08/98 wkg New York Aero (JDM-MN)  
 11396 L 1405 SAM 31682 wkg Andrews AFB (RAL-OR)  
 11460 L 1405 SLEDGE c/g ACROBAT (RPD-NJ)  
 11530 L 1415 GREENWICH wkg 91,125, OSCAR ECHO 25 (FB-FRG)  
 13205 U 1301 SAM 24126/86971 wkg Andrews AFB (BLA-PA) (RAL-OH)  
 13215 L var. SAM 24126/86971 wkg Andrews AFB (BLA-PA) (RAL-OH)  
 13215 L var. SPAR 60/AIR FORCE 1 wkg Andrews (RAL-OR) (LSD-NJ)  
 13218 U 1830 ARIA CONTROL wkg AGAR 22 (LSD-NJ)  
 13244 U var. YOKE 50 / COBRA 97 wkg MacDill Aways (JDM-MN)  
 13247 U 1718 SAM COMMAND wkg 124N8 (OC-DE)  
 13247 U var. SAM 31682/12493 p/p via Andrews (RAL-OR)  
 13247 U 1405 SPAR 76 wkg Andrews AFB (RAL-OH)  
 13247 U 2218 SAM 24126 wkg Andrews AFB (BLA-PA)  
 14715 U 2110 AIR FORCE 1 wkg Andrews AFB (RAL-OH)  
 14894 U 2204 COMMUTE wkg EXPLORER (BLA-PA)  
 14913 U 1512 SAM 31682 wkg Andrews AFB (RAL-OH)  
 15040.5 U 2129 ASSURANCE with coded msg (DKB-NH)  
 15048 L 2115 SAM 86970 wkg Andrews AFB (RLR-KS)  
 15091 U 1901 CHECKER 54 wkg RAYMOND 27 (CG-DE)  
 16320 U 1510 SAM 31682 wkg Andrews AFB (RAL-OH)  
 17972 L 1958 SAM 24197 wkg Andrews AFB (BLA-PA)  
 17993 L var. SAM 30501/24130/SPAR 60 wkg Andrews (BLA-PA) (RAL-OH)  
 18002 U 1744 OTIS 35 p/p via Loring Aways (RAL-OH)  
 18018 U 1911 ASCOT 5075 p/p UPAYON CONTROL via ARCHITECT (OC-DE)  
 18027 U var. SAM 50496/86971 wkg Andrews (BLA-PA) (RAL-OH)  
 18027 U 1910 RACHET wkg SPAR 60 & Andrews AFB (LSD-NJ)  
 18666 U 1830 PANTHER 457 p/p PANTHER BASE via ATLAS (LSD-NJ)  
 20053 L 1650 AIR FORCE 2 P/p CROWN via Andrews (RAL-OH)  
 23265 L var. SPAR 76/SAM 24127 wkg Andrews (BLA-PA) (RAL-OH)

\*\*\*\* NUMBERS \*\*\*\*  
 0000-0018 A 9450 G/Y 56d Achtung 432 (3-3) 26Oct83 (FWB-NJ)  
 0018----- A 8425 E/Y none repeats of S.Y.N.2 (4-3) 31Oct (FWB-NJ)  
 0030-0047 A 10460 E/Y 56d ATT 624 (3-3) 26Oct (FWB-NJ)  
 0100----- A 3090 S/Y 56d ATT 911-70 (5-2) 26Oct (FWB-NJ)  
 0147-0150 A 9325 E/Y none repeats C.I.O.2 (322) 11Oct (PTK-IL)  
 0200-0222 C 7434 X/Y 5d 3-segs each repeated (5-5) 26Oct (FWB-NJ)  
 0200-0215 A 9973 S/Y 56d Gruppe 60 (3-3) 25Oct (FWB-NJ)  
 0200----- A 5812 S/Y 4d 142-140 (5-3) 22Oct (FWB-NJ)  
 0200-0205 C 5135 X/Y 51tr AWC NW (5-3) 22Oct (FWB-NJ)  
 0200----- M 8873 X/Y 51tr RNN NT (5-5) 22Oct (FWB-NJ)  
 0200-0215 A 9973 E/Y 51tr Groupe 31 (5-5) 29Oct (FWB-NJ)  
 0200----- C 5135 X/Y 51tr AWC NW (5-5) 29Oct (FWB-NJ)  
 0200-0214 A 9267 G/Y 56d Gruppe 30 (5-5) 27Oct (FWB-NJ)  
 0200----- A 9267 G/Y 56d Gruppe 27 (5-5) 01Nov (FWB-NJ)

MART: 6388.0 C 0221 FUP- Ft.de France NAVRAD- V mkr (PAG-NC)  
 8675 C 0159 FPF2/3- Ft.de France MARCO- DE mkr (JFH-MA)  
 13031.4 C 0305 FUP- Ft.de France NAVRAD- V mkr (AR-VA)  
 6492 C 0154 FUC- Curacao MARCO - CQ mkr (GB-FL)  
 P.R.: 13330 U 1903 San Juan LDOC wkg 111 ALFA CHARLIE (JCH-MD)  
 TRIN: 8955 S 0304 Piarco Aero wkg Parimaribo Aero (FJO-OH)

\*\*\*\* SOUTH AMERICA \*\*\*\*

ARGN: 8167.5 A 2350 LQB9- SFTS Buenos Aires - pips (ES-MA)  
 17180 U 2055 LOLJ- Buenos Aires NAVRAD- time pips (ES-MA)  
 ASGN: 11176 U 0350 APFD14- Ascension Aways wkg 4 JULIET 1 (JCH-MD)  
 BRZL: 8502 C 1050 PFO- Beliem MARCO - V/QSX mkr (JLS-NY)  
 8520 C 0152 PFO- Ollinda MARCO - V mkr (NRC-MA)  
 8855 U 0554 Beliem Aero wkg VARIQ 861 (JCH-MD)  
 8861 U 0446 Recife Aero wkg SWISS AIR 147 (JCH-MD)  
 17161.5 C 2325 PFO- Ollinda MARCO - V/QSX mkr (DB-AR)  
 CHIL: 4064ha C 0828 CGS- Santiago NAVRAD - V mkr (RMA-LA)  
 22071 C 2050 CGS- Santiago NAVRAD - V mkr (DB-AR)  
 COLO: 17003.1 C 2131 HKB- Barranquilla MARCO - CQ mkr (?W-FL)  
 PALK: 19950 U 1337 VFC - C&W Port Stanley- PTP t/c (FB-FRC)  
 PARA: 10445 S 0119 ZFC4- PTP Asuncion - SS t/c (FJO-OH)  
 PERU: 10024 U 0408 Lima Aero wkg LUFTHANSA 512 (JCH-MD)  
 12307 A 2057 OBC- SFTS Callao - pips (ES-MA)  
 SURI: 10096 U 0452 Paramaribo Aero wkg VARIQ 896 (JCH-MD)  
 VENE: 6100 A var. YVTO- SFTS Caracas (NRC-MA) (JFH-MA)  
 10096 U 0500 Maiquetia Aero clg Manaus Aero (JCH-MD)

\*\*\*\* EUROPE \*\*\*\*

AZOR: 6750 U 0322 GUN- LaJes Aways wkg MAC 40623 (LSD-NJ)  
 BUL: 12941 C 1843 LZM- Varna MARCO - DE mkr (GB-FL)  
 CZEC: 13037 C 0930 OMC- Bratislava MARCO - clg OLMB (PAC-UK)  
 DEN: 2357.5 C 1857 OUA23/32- Danish Marines Stevens - V mkr (PAC-UK)  
 4637.6 U 0215 Royal Air Force VOLMET (PCO-RI)  
 ENG.: 6379.5 C 0216 GKB6- Portlhead MARCO - DE mkr (PAG-NC)  
 6730 U 0350 AUE8- Croughton Aways wkg CUSHY 60 (JCH-MD)  
 8516 C var. GKG- Portlhead MARCO - DE mkr (NRC-MA) (JFH-MA)  
 11234 U 2251 ARCHITECT (RAF) wkg ASCOT 5074 (JCH-MD)  
 13171.6 U 1947 Portlhead MARCO wkg m/v NOBLE SERVICE (JCH-MD)  
 13257 U 1702 ARCHITECT (RAF) wkg MIKE LIMA 72 (JCH-MD)  
 17113 C 0841 GKB6- Portlhead MARCO - DE mkr (MT-JPAN)  
 FIN: 8457 C 0100 OPJ- Helsinki MARCO - ID mkr (GL-NK)  
 FRAN: 3702 C 2223 FDG21- AF AF Cognac - V mkr (AM-UK)  
 12678 C 1110 FFL6- St. Lys MARCO - CQ/QSX mkr (DLS-NY)  
 GDR: 8984 U 0344 Interflug Berlin LDOC wkg INTERFLUG 995 (JCH-MD)  
 PRG.: 4265 A var. DAN- Norddeich MARCO- time pips/v mkr(ES-MA) (PAG)  
 5690 U 0320 DHM91- CANNIL Lehr wkg CANNIL 761 (JCH-MD)

0200-0247 M 8216 X/X 5c B4U/AVE (5-5) 04Nov (FWB-NJ)  
 0203-0207 M 8873 X/X 51tr RMN NY (5-4) 29Oct (FWB-NJ)  
 0221-0244 A 5812 S/Y 4c (144) 14Oct (BLJ-TX)  
 0243-0248 M 7375 X/X 5c siml on 8216 (5-5) 07Nov (FWB-NJ)  
 0243-0245 C 9967 X/X none-repeats "481 481 TTTTTT" 28Oct (FWB-NJ)  
 0300-0332 A 9220 S/Y 4c 634 106 (333) 07Oct (BLJ-TX)  
 0300-0315 A 9287 S/Y 5dd group 31 (5-5) 26Oct (FWB-NJ)  
 0300-0315 M 12162 X/X 4c ND/A6N (5-4) 25Oct (FWB-NJ)  
 0310-0324 C 7026 X/X 5dd in progress (4-3) 04Nov (FWB-NJ)  
 0330-0348 A 9040 G/Y 5dd Alfa Charlie (5-4) 27Oct (FWB-NJ)  
 0333-0335 A 8405 S/Y 5d Alfa Charlie (122) 14Oct (JEB-CA)  
 0400-0411 M 9038 X/X 51tr UAU ATT (2-3) 04Nov (FWB-NJ)  
 0434-0437 A 6250 S/Y 5d triple final (5-3) 02Nov (FWB-NJ)  
 0505-0505 A 3242 S/Y 5d (2-2) 29Oct (FWB-NJ)  
 0517-0505 A 4027 S/Y 5d (2-3) 29Oct (FWB-NJ)  
 0702-0527 M 4110 X/X 5d (3-3) 29Oct (FWB-NJ)  
 0720-0707 A 6773 S/Y 5d ATT 384-30 (444) 17Oct (JEB-CA)  
 0749-0752 A 6805 S/Y 4d (544) 01Nov (PAT-CA)  
 1614-0505 U 19295 G/Y 5d (515) 24Oct (JFH-MA)

\*\*\*\* UNIDENTIFIED \*\*\*\*

5690.0 U 0402 THOMPSON RADIO clg GOLF UNIFORM MIKE QUEBEC (JCH-MD)  
 6102.8 C var. VVV (x5) K VK 30 repeats (NRC-MA) (FWB-NJ)  
 6105 C ---- 12162 X/X 20 (BLJ-TX)  
 6715 C 0130 18 letter message (28 wkg MM) (FWB-NJ)  
 6716a C 0111 MLK DE DAC (RDS-NJ)  
 7430 C 0202 VVV 149/91345/T5 61778/T7 51264/13 AR (BLJ-TX)  
 8447 C 0338 ANE3 clg UMA7 (apparently this is NOT Madrid NAVRAD as some have suggested) NRC-MA)  
 8608 C 0102 CQ DE CLJ (bad tape of CLA???) (BLJ-TX)  
 8870 C 0302 18 letter group (MM wkg 36,28,45) (FWB-NJ)  
 12996 C 1345 V mkr from VK 30 (NRC-MA)  
 12998 C 2016 VVV K DE VK30 (running past 2200 GMT) (BLJ-TX)  
 15042 U 0039 FISHERMEN COMMUNICATIONS testing (MDL-WE)

\*\*\*\* RADIO TELETYPE \*\*\*\*

NMF - CG Boston MA - NFM b/c (DLW-CT)  
 NMG - OG San Francisco CA - wkg NIKL (JEB-CA)  
 BLM66- Chengdu Metro FRC - W (AM-UK)  
 HXX25- Paris Metro FRC - W (ROS-NJ)  
 EZZ75- Urumqi Metro FRC - W (AM-UK)  
 DJR- Djibouti Air - clg ETD3 (AM-UK)  
 RIFAD8- IT Army Saluzzo ITLY wkg Rome (AM-UK)  
 NAIJ - San Juan NAVRAD - P.R. - FOXS (JEB-CA)  
 IMB32- Rome Metro ITLY - W (JEB-CA)  
 NMN - OG Portsmouth VA - wkg WVVV (JFH-MA)  
 518.0 1100 FEC  
 3390.0 0645 75/170r NMG - OG San Francisco CA - wkg NIKL (JEB-CA)  
 3807.3 1930 50/425n BLM66- Chengdu Metro FRC - W (AM-UK)  
 4013.5 0323 50/425n HXX25- Paris Metro FRC - W (ROS-NJ)  
 5190.0 1655 50/425n EZZ75- Urumqi Metro FRC - W (AM-UK)  
 5330.0 2138 50/170n DJR- Djibouti Air - clg ETD3 (AM-UK)  
 5382.0 1920 50/170n RIFAD8- IT Army Saluzzo ITLY wkg Rome (AM-UK)  
 5785.0 0610 75/850r NAIJ - San Juan NAVRAD - P.R. - FOXS (JEB-CA)  
 5887.0 0440 IMB32- Rome Metro ITLY - W (JEB-CA)  
 6338.0 2006 75/???:n NMN - OG Portsmouth VA - wkg WVVV (JFH-MA)

FRG.:	5691	U 0333	DHM91- GG AF QTH?? wkg GG AF 1004 (JCH-MD)	6504.5	0900	ARG/170	WCC- Chatham MA MARCO- AP NX/WX (RMA-IA)
	6637	U 0209	Frankfurt LDOC wkg IUFTHANSA ??? (RDS-NJ)	8820.6	1715	50/425r	OLW2- PTP Prague CZEC rlyg BAL38 (RMA-FRAN)
	8483	C 1108	DAN- Norddeich MARCO - CQ mkr (DLS-NY)	6989.0	0015	50/850r	869- Male Air MALD - rlyg to Colombo (AM-UK)
	11187	U 2249	DHM91- GG AF QTH?? wkg GG AF 1001 (JCH-MD)	7350.0	1300	50/850n	BAA4- Pimping Metro PRC- WX (JEB-CA)
	11233	U 1342	DHM95- CANNIL Iahr wkg CANNIL Trenton (JDM-WN)	7407.0	0215	50/425n	CML5- Pimp Havana CUBA- t/c to NY (FB-FRG)
	13231	U 1319	AJF- USAF Rhein-Main WX b/c (FB-FRG)	7418.3	0048	50/500r	REFLIGD- NAVRAD Cayenne FFCU- t/c EPLIA (RMA-IA)
	13248	U 1943	DHM91- GG AF wkg GG AF 5096 (JCH-MD)	7485.0	1630	50/425r	CLN67- PL Havana CUBA- EE/NX (JEB-CA)
	17048	C 1210	DAF- Norddeich MARCO - V mkr (RDG-AUST)	7520.0	0219	50/425n	BZF57- XINHUA Beijing PRC- RYs (FB-FRG)
GIBR.:	17175	C 1540	DAL- Norddeich MARCO - V mkr (FG-NY)	7695.0	1425	50/850r	3WA26- GNA Taipei TAIWN- EE/NX (JEB-CA)
GREE:	4221.2	C 0241	GYU- Gibraltar NAVRAD - DE mkr (PAG-NG)	8015.0	2055	50/850r	BQ21- PTP Shanghai PRC- QRA mkr (AM-UK)
	12720	C 0027	SVD- Athens MARCO - DE mkr (DLS-NY)	8105.0	0224	75/850n	WBR70- Miami FL Metro - WX (FB-FRG)
	4250	C 0202	FCH20- Scheveningen MARCO - DE mkr (PAG-NG)	8130.0	0226	75/850n	MSV70- New York Air - WX (AR-VA)
HOLL:	8924	U var.	KLM LDOC Amsterdam wkg KLM 786 (JCH-MD) (RDS-NJ)	8140.0	0314	75/850n	MU- San Juan NAVRAD P.R. - FOKS (JEB-CA)
	12853.5	C 1639	FCH52- Scheveningen MARCO - DE mkr (NRC-MA)	8170.0	0018	50/425r	BJZ22- Hangzhou Metro PRC - WX (AM-UK)
ICE.:	8891	U 0320	Reykjavik Aero wkg SCANDINAVIAN 933 (JCH-MD)	8176.0	0043	50/425r	HXP- St. Denis Metro REUN- WX (AM-UK)
	3413	U 0247	EIP- Shannon VOLMET (1B-VA)	8177.0	1250	50/425r	BAC38- PTP Beijing PRC- RYs (JEB-CA)
EIRE:	4675	C 0453	Shanwick Aero wkg SCANDINAVIAN 912 (JCH-MD)	8298.4	0245	ARG/170	LJKR- BERGANGER t/c to LGB (JJO-OH)
	4920	C 0137	IAR- Rome MARCO - V mkr (PAG-NG)	8670.0	1700	REG	UAI- Nakhodka MARCO USSR- RYs to UUBH (JEB-CA)
	8679	C 2318	IQX- Trieste MARCO - V mkr (GB-FL)	8707.6	1700	FEQ	REGALAND MARCO NOR- WX/NX (RMA-FRAN)
	13015.5	C 0301	IAR- Rome MARCO - V mkr (AR-VA)	8819.5	0320	50/425n	CAL73- Pascua Air EAST- RYs (FB-FRG)
	17083.7	C 1727	IQX- Trieste MARCO - V mkr (2M-FL)	9070.0	0150	50/425r	6VU- Dakar Air SENE- RYs (FB-FRG)
NOR.:	17074	C 1218	LGX- Regalard MARCO - CQ mkr (RDG-AUST)	9090.0	0155	50/425r	LRN41- TELEEM Buenos Aires ARGN- SS/NX (FB-FRG)
	8469	C 0135	CUL7- Lisbon MARCO - CQ mkr (NRC-AUST)	9105.0	1937	50/850n	AXI- BAAF Darwin AUST- RYs (FB-FRG)
PORT:	8703	C 0402	CTU28- Monsanto NAVRAD - V mkr (JFH-WA)	9154.0	0720	50/850n	DAB- Sal Air CAPE - RYs (JEB-CA)
	11148a	C var.	CTV- Monsanto NAMRAD- callup (RMA-IA) (BLA-TX)	9170.5	2315	50/850n	ARA- Karachi Air PAKI- RYs (AM-UK)
SPAN:	8682	C 0257	EAD3- Aranjuez MARCO - CQ/QSX mkr (JFH-WA)	9297.5	0200	50/425n	ZVK- Rio de Janeiro Air BRZL- WX (FB-FRG)
	12008	A 1002	EBC- Cadiz NAVRAD - time pips (ES-MA)	9430.0	1445	50/425n	ZAT- ATA Tirana ALB - RYs (JEB-CA)
SWED:	17079.4	C 1220	SAG8- Goteborg MARCO - CQ mkr (RDG-AUST)	9846.6	0034	50/850r	TUH98- Abdjian IVRY- RYs (AJD-NJ) (SJS-CA)
SWIT:	6643	U 0357	Berne LDOC wkg TWA 893 (JCH-MD)	9866.5	0034	50/425r	GFL23- Bracknell Metro ENG- WX (SJS-CA)
	10069	U 0514	Berne LDOC wkg TANGO VICTOR 10 (JCH-MD)	10137.0	0205	50/425n	TLL97- Brazzaville Metro CONG- WX (FB-FRG)
	6965.5	C 1858	YMH3- Bandirma Metro - V mkr (AM-UK)	10162.5	1957	50/170n	YII70- INA Baghdad IRAQ- AA/NX (FB-FRG)
TURK:	11176	U 0419	AJG9- Incirlik Aysy wkg MEDAVAC 1661 (JCH-MD)	10299.0	1800	50/170n	HSW62- Bangkok Metro THAI- WX (JEB-CA)
	9996	C 0339	RWM- SPTS Moscow (SN-TX)	10322.0	1535	50/850r	Belg EMB Warsaw POL- t/c to Brussels (FB-FRG)
USSR:	10004	C 0199	RID- SPTS Irkutsk (SN-TX)	10410.0	0208	50/425r	ARB- Lahore Air PAKI- RYs/WX (FB-FRG)
	11193	U 0731	RFNY- Moscow Aero wkg unid a/c (FB-FRG)	10570.0	1215	50/425r	CSY40- Santa Maria Air AZOR- RYs (AJD-NJ)
	13077.5	C 1507	UPN- Novosibirsk MARCO - DE mkr (NRC-MA)	10593.0	1455	50/425r	ATL61- PTT Calcutta INDI- EE/NX (JEB-CA)
	13092.5	C 0904	UAH- Tallin MARCO - DE mkr (PAG-UK)	10640.0	1600	50/425n	9RL73- AZAP Kinshasa ZIRE- FF/NX (JEB-CA)
	13279	U 1043	Novosibirsk VOLMET- EE/YL (FB-FRG)	10795.0	0730	50/425r	IAG50- KTOD Tokyo IPAN- EE/NX (JEB-CA)
	17132	C 1605	UJQ7- Kiev MARCO - DE mkr (GB-FL)	10820.0	1500	50/425n	BAL21- PTP Beijing PRC - RYs (JEB-CA)
	2321	C 1605	UJY- Kallinograd MARCO - V mkr (AJD-NJ)	11027.0	0640	50/850r	9RL310- Kinshasa Air ZIRE- RYs (JEB-CA) (AJD-NJ)
YUGO:	2815	A 1924	YUR- Dubrovnik MARCO - EE/WX (PAC-UK)	11063.0	0640	50/425r	LZU2- Sofia Metro BUL - WX (JEB-CA)
	12781	C 1841	YOR- Rijeka MARCO - V mkr (GB-FL)	11070.3	0404	75/850r	LOR- Puerto Belgrano NAVRAD ARGN- CQ (SJS-CA)
				11249.0	0119	75/425r	SKM- Bogota NAVRAD COLO- RY/SGs (RDS-NJ)

ALGEB:	8437.0	C	0810	**** AFRICA/MIDDLE EAST ****
	8894	U	0057	7TA6- Algiers MARCO - CQ mkr (PAC-UK)
	12662	C	1528	Algers Aero wkg ALITALIA 843 (NRC-MA)
ANGO:	6369	C	0015	7TA8- Algers MARCO - CQ mkr (PAC-UK)
	8903	U	var.	DJE41- Luanda MARCO - CQ mkr (GLT-NM)
	8903	U	var.	Luanda Aero wkg UTA335/SPRINGBOK 231 (JRU-OR)
	13294	U	1932	Luanda Aero wkg UTA305/GUBANA 1490 (JCH-MD)
CAPE:	8861	U	0530	Luanda Aero wkg CALEDONIAN 214 (CO-DE)
COAG:	8903	U	2353	Sal Aero wkg GLIFFER 181 (JCH-MD)
DJIB:	13043	C	2333	Brazzaville Aero wkg SPEEDBIRD 53 (JCH-MD)
	16904.8	C	2040	FUV- FF NAVRAD Djibouti - V mkr (AJD-NJ)
	8903	U	var.	FUV- FF NAVRAD Djibouti - V mkr (AJD-NJ)
GHAN:	8903	U	var.	Accra Aero wkg UTA856/CUBANA 492 (JCH-MD)
IRAN:	14817.5	C	1120	EP5X- INTERPOL Tehran- tfc to Paris (AM-UK)
ISRL:	64670.5	C	0248	4X0- Haifa MARCO - CQ mkr (PAG-NM)
	8518	C	0147	4XZ- Haifa NAVRAD - V mkr (NRC-MA)
	8895	C	0345	4X0- Haifa MARCO - CQ mkr (GB-FL)
	8937	C	0340	Ben Gurion LDCC wkg EL AL 831 (RDS-NJ)
	17146.1	C	1510	4X0- Haifa MARCO - CQ mkr (GLT-NM)
KEN:	11300	U	0333	Nairobi Aero wkg ALITALIA 814 (JCH-MD)
KUMT:	12895	C	1935	9KKB- Safat MARCO - CQ/4TC 11st (PAC-UK)
LIBE:	8861	U	0534	Roberts Aero wkg GLIFFER 188 (JCH-MD)
NIGE:	8894	U	0328	Niameny Aero wkg NIGERIA 232 (JCH-MD)
	8894	U	0105	Niameny Aero wkg CALEDONIAN 366 (JRU-OR)
	8903	U	0324	Niameny Aero wkg ANGOLA 650 (JRH-MA)
NIGR:	8903	U	var.	Kano Aero wkg ANGOLA 650/NIGRIAN 875(FJO-OH) (JCH)
SAUD:	8918	U	0512	Jeddah LDCC wkg 200 MIKE WHISKEY (JCH-MD)
SENE:	6535	U	0401	Dakar Aero wkg LUFTHANSA 504 (NRC-MA)
	16951.5	C	var.	6WV- Dakar NAVRAD - V mkr (TFS-NY) (GLT-NM)
SOAF:	8566	C	0250	ZSO- Cape NAVRAD Sallvermine - CQ mkr (NRC-MA)
	8688.5	C	var.	ZSO- Capetown MARCO - DE mkr (BLJ-TX) (JFH-MA)
	8714a	C	0150	ZSD- Durban MARCO - DE/TELEX mkr (JFH-MA)
	8861	U	0422	Johannesburg Aero wkg SPRINGBOK 206 (JCH-MD)
	8933	U	2337	Springbok LDCC wkg SPRINGBOK 873 (JCH-MD)
	16964	C	1607	ZRQ - Cape NAVRAD Simonstown - V mkr (TFS-NY)
	22591	C	1455	ZSD- Durban MARCO - DE/ITLX mkr (AJD-NJ)
TANZ:	8879	U	0339	Dar-es-Salaam Aero wkg GULF 511 (JCH-MD)
	11300	U	0333	Dar-es-Salaam Aero wkg SABINA 500 (JCH-MD)
UFVO:	8903	U	0336	Ouagadougou Aero wkg CUBANA 1490 (JFH-MA)
Y.DR:	11300	U	0411	Aden Aero wkg Addis Ababa Aero (JCH-MD)
ZAMB:	8903	U	0353	Lusaka Aero wkg Kinshasa Aero (JCH-MD)
ZIRE:	8903	U	0210	Kinshasa Aero wkg ZIMBABWE 121 (JRU-OR)
				**** ASIA/FAR EAST ****
BANG:	10066	U	1244	Dacca Aero wkg Rangoon Aero (JCH-MD)
BURM:	10066	U	1251	Rangoon Aero wkg PAKISTAN 766 (JCH-MD)
	12074.8	2200		50/170n Delhi Metro INDI - WX (AM-UK)
	12122.2	0643		75/850n ZLK43- USN Christchurch NZEL- wkg NCD (AM-UK)
	12486.0	1825		50/425r JANA Tripoli LYBA- EE/NX (JEB-CA)
	12505.0	2045		AR6/170 ELB06- CELTIC LIGHT wkg GKA (RMA-IA)
	12506.0	0045		50/170n UMBJ- GRANIT RYS to UUY (JEB-CA)
	12506.5	0145		50/170n ESJU- WOLH0STRO - RR tfc (JEB-CA)
	12508.0	0150		50/170n ERVU- # 0371 - RYS to ROT (JEB-CA)
	12509.0	0610		50/170n ERVP- MYS TERMAK - RYS (JEB-CA)
	12510.0	0125		50/170n UOUN- VLADIMIR KOROLENKO - RYS (JEB-CA)
	12512.0	0130		50/170n LYXE- LENITE ?? RYS (JEB-CA)
	12513.5	1231		AR6/170 OULJN- CHARLOTTENBORG wkg OXZ (RMA-IA)
	12514.0	0223		50/170n UWNJ- ARTIKA RYS to URB2 (FJO-OH)
	12515.0	0035		50/170n UGKN- BOEVAYA SLAVA - RYS to UAI (JEB-CA)
	12518.5	0140		50/170n UI0G- ST. G. ZARWA - RYS to UUY (JEB-CA)
	12522.0	0618		50/170n UWJE- PROFESSOR BOGOROW- RYS to UFL (JEB-CA)
	12522.0	0245		50/170n UZJJ- name ??? RYS to UUY3 (JEB-CA)
	12526.0	0300		50/170n EMPFI- ZOLOTKEYE ?? RYS to UUY (JEB-CA)
	12526.0	0135		50/170n EWVS- PROFESSOR MESCEW - RYS (JEB-CA)
	12526.0	0145		50/170n EMZS- NOWOBATAJSK - RYS to UPB (JEB-CA)
	12700.0	1808		75/170r NOJ- CG Kodiak AK - RY/FOXs (JEB-CA)
	12901.5	1440		URJ- Leningrad MARCO USSR- RR/NX (FB-FRG)
	12947.0	1655		50/170r UFB- Odessa MARCO USSR- ship tfc (FB-FRG)
	13164.0	1510		50/425n RNO- SAAMC Moscow USSR- WX (FB-FRG)
	13200a	0145		50/425n CA17B- Pascua Metro EAST - 5/M (RDS-NJ)
	13563.0	1445		50/170n 3MA22- CNA Taipei TIMN- RYS (FB-FRG)
	13777.0	1848		75/425n ZR03- Pretoria Metro SOAF - WX (AM-UK)
	13850.0	1745		50/425r 4YA83- PTP Tel Aviv- RYS to Moscow (RDS-NJ)
	13975.0	2130		75/850n RAK (not NKW) ?? - FOXs (JEB-CA)
	14447.0	1557		50/425r KHK- FT EMB Tunis TUNI- tfc to Paris (AM-UK)
	14526.0	2320		75/850n PRS- Rio de Janeiro BRZL - RY/FOXs (AJD-NJ)
	14560.0	1351		50/425n JFY2- JNA Amman JORD- YRS (RDS-NJ)
	14649.4	1955		75/425n OMZ- MFA Prague CZEB- tfc Wash DC (AM-UK)
	14835.0	1735		50/425r HXG55- HUNG EMB Belgiers - RYS to HGX21 (JEB-CA)
	14835.0	1506		50/425n 9KT33- KUNA Huban KUMT- AA/NX (SJS-CA)
	14932.0	1530		50/850n AFS Algiers ALGE - AA/NX (JEB-CA)
	15693.5	1756		50/425n ISX56- ANSA Rome ITLY - RYS (RDS-NJ)
	15705.0	var.		50/425r YZJ76- TANJUG Belgrade YUGO-FF/NX/JEB-CA (FJO-OH)
	16002.0	1050		50/425n BUL EMB Tripoli LYBA- tfc to Sofia (AM-UK)
	16155.5	0230		75/850r ZLK36- USN Christchurch NZEL- WX (JEB-CA)
	16164.2	1650		DU231- ANGOP Luanda ANGO- FF/NX (AM-UK)
	16195.0	0015		75/850r NEA- Balboa NAVRAD PAMA- tfc to CXR (JEB-CA)
	16200.0	0115		50/425r BZJ20- Wulumuqi Metro PRC - RY/WY (JEB-CA)
	16200.3	1550		50/850r 8BB39- Jakarta Metro INDO- ID tape (AM-UK)
	16256.3	1703		50/850n 9VG206- ANSA Singapore - EE/NX (SJS-CA)
	16263.1	1445		----- PTP Paris FRAN - Le Brick (RMA-FRAN)

BURM: 10066 U 1510 Rangoon Aero wkg SPEEBIRD 20 (JRU-OR)  
 4319.1 C 1220 XSG-Shanghai MARCO - CQ mkr (GLT-NM)  
 8000 C 1225 XSG3-Shanghai MARCO - CQ mkr (GLT-NM)  
 10000 A var. SPTS Xian/Lintong - pips (ES-MA) (SN-TX)  
 12872 C 1250 XSG-Shanghai MARCO - CQ mkr (GB-FL)  
 22312.5 C 0110 XSG-Shanghai MARCO - CQ mkr (GLT-NM)  
 DIEG: 11176 U 2235 NKW-Diego Tower wkg KILO 1 GOLF (JCH-MD)  
 8599 C 1230 VPS-Cape d'Agullar MARCO - DE mkr (GLT-NM)  
 HONG: 8942 U 1230 Hong Kong Aero wkg KOREAN AIR 12 (JCH-MD)  
 17096 C var. VPS80-Cape d'Agullar MARCO - DE mkr (RDG-AUST) (GLT)  
 8674a C 1220 VNM-Madras MARCO - CQ mkr (GLT-NM)  
 INDI: 10066 U 1231 Calcutta Aero wkg PAKISTAN 766 (JCH-MD)  
 13288 U 1451 Bombay Aero wkg KOREAN AIR 836 (JCH-MD)  
 4349 C 1225 JCS-Choshi MARCO - CQ mkr (GLT-NM)  
 8437 C 1059 JOS-Nagasaki MARCO - CQ/QSX mkr (DLS-NY)  
 10000 A 1129 JTY-SPTS Tokyo - pips (SN-TX)  
 10048 U 0342 Tokyo Aero wkg Anchorage Aero (BFS-CA)  
 22419 C 2124 JCS-Choshi MARCO - CQ mkr (BLJ-TX)  
 ROK: 17129.7 C 1235 HI-W-Seoul MARCO - CQ mkr (RDG-AUST)  
 LAOS: 8942 U 1223 Vietiane Aero wkg Hanoi Aero (JRU-OR)  
 MLAY: 11396 U 1729 Penang Aero wkg QUANTAS 28 (BFS-CA)  
 PHIL: 8604.2 C 1230 DZJ-Manila/Las Pinas MARCO - CQ mkr (GLT-NM)  
 17090.5 C 1226 DZF-Manila/Bulacan MARCO - CQ mkr (RDG-AUST)  
 SING: 14037 C 1215 9VG33-Singapore MARCO - CQ mkr (GLT-NM)  
 8942 U 1237 Singapore Aero wkg LUFTTHANSA 645 (JCH-MD)  
 12725 C 1246 9VG57-Singapore MARCO - CQ mkr (GB-FL)  
 12817.5 C 1035 9VG26-Singapore MARCO - tfe list (MT-JPAN)  
 22428 C 0035 9VG59-Singapore MARCO - CQ mkr (GLT-NM)  
 TLWN: 8634 C 1225 XSW-Kaohsiung MARCO - V mkr (GLT-NM)  
 THAI: 8942 U 1520 Bangkok Aero wkg MALAYSIAN 11 (JRU-OR)  
 VIET: 8942 U 1309 Hanoi Aero wkg LUFTTHANSA 645 (JCH-MD)

\*\*\* PACIFIC OCEAN \*\*\*\*  
 AUST: 7500 A 1145 VNG-SPTS Lyndhurst (SN-TX)  
 8478 C 1215 VIX-Canberra NAVRAD - V mkr (GLT-NM)  
 8707.4 C 1205 VIS-Sydney MARCO - CQ mkr (GLT-NM)  
 8975 U 0607 AXP-RAAF Sydney wkg ? 720 (JCH-MD)  
 11235 U 0514 AXP-RAAF Sydney wkg MARINER 994 (JCH-MD)  
 11235 U 2337 AXJ-RAAF Perth p/p for KIWI 92 (JCH-MD)  
 11387 U var. Sydney VOLMET (JCH-MD) (BFS-CA)  
 13074 C 1445 VIP24-Perth MARCO - CQ mkr (GLT-NM)  
 13300 U 0444 Sydney Aero wkg QUANTAS 93 (JCH-MD)  
 11396 U 1639 Darwin Aero wkg QUANTAS 20 (BFS-CA)

HSP 212BNN- Thai EMB Bonn FRG- msgs (AM-UK)  
 FTQ39-Diplo Paris FFAN-FF/NX (JEB-CA) (RDS-NJ)  
 GMM-?? Rys into coded tfc (JEB-CA)  
 UKMT-MARIINSK - Rys to UFL (JEB-CA)  
 UGMS-??? Rys to UCY (JEB-CA)  
 HZN48-Jeddah Metro SAUD-WX (SJS-CA)  
 Y7L26-GDR EMB Havana CUBA-tfc Berlin (AM-UK)  
 BBE52-Shanghai PTP PRG-to GLN565 (JEB-CA)  
 AFP Paris FFAN - FF/NX (?-FT)  
 FUJ-FF NAVRAD Noumea NCAL-SGs (JEB-CA)  
 YWq18-Maracay Metro VENE-WX (JEB-CA)  
 PPN9-Brasilia Metro BRZL-WX (SJS-CA)  
 JMI4-Tokyo Metro JPN - WX (SJS-CA)  
 ECT28-PTP Shanghai PRC - Rys (RDG-AUST)  
 MFA Belgrade YUGO-NX to embassies (AM-UK)  
 OBC-Callao NAVRAD PERU-RY (SJs (JEB-CA)  
 CNM63-MAP Rabat MROC - FF/NX (JEB-CA)  
 FTU8/HI-AFP Paris FFAN-Rys (RDG-AUST)  
 NBA-USN Balboa PANA-exercise (HMA-FRAN)  
 AXM37-Canberra Metro AUST-CQ/MC mkr (SJS-CA)  
 YZJ4-TANJUG Belgrade YUGO-SS/NX (JEB-CA)  
 Y7A79-MAP/ZLD Berlin GDR-Rys (JEB-CA)  
 CNW91-MAP Rabat MROC - Rys (RDS-NJ)  
 MTI Budapest HUNG-FF/NX (RMA-FRAN)  
 CLP6-EMBACUBA Aden Y.DR-tfc Havana (AM-UK)  
 Naval exercise including stas: NGA, OBG, CXR, FWZ, LOL, YMW1, CPP2, HRO, 5KM(EDK-MI)(RDSOU)  
 FDY-FF AF Orleans FFAN-FOXS (AM-UK)(AJD-NJ)  
 SOV293-PAP Warsaw POL-POL/NX (RDS-NJ)  
 SWED EMB Luanda ANGO-tfc Stockholm (AM-UK)  
 INDO EMB Prague C2BC-tfc Jakarta (AM-UK)  
 SAPORITI Buenos Aires ARGN-SS/NX (RMA-FRAN)  
 AFP32-MFA Islamabad PAKI-tfc London (AM-UK)  
 3BZ201-Geographic Institute Wroclaw University  
 POL-clg 3ZL301 SOSF (AM-UK)  
 HBD20-MFA Berne SWIS ckg HBD67 (AJD-NJ)  
 SAM71-SWED EMB Dar-es-Salaam-tfc SAM (AM-UK)  
 SAM-MFA Stockholm SWED-tfc GUBI (AM-UK)  
 SAM78-SWED EMB Tunis TUNI-tfc SAM (AM-UK)  
 SAM72-SWED EMB Kinshasa ZIRE-tfc SAM (AM-UK)  
 HUZ-UNO Geneva SWIS-tfc Nairobi (AM-UK)  
 HUV-UNO Nairobi KEN-tfc to ??? (AJD-NJ)

16351.5 1540 50/425n  
 16397.5 var. 50/425r  
 16458.5 1855 50/425r  
 16695.0 0035 50/170n  
 16698.0 2315 50/425n  
 17362.0 1842 50/425n  
 17367.7 1520 50/425n  
 17400.0 2230 50/425r  
 17544.5 1607 50/425r  
 17655.0 0320 75/850r  
 18256.0 1435 50/850n  
 18256.4 1600 50/850n  
 18381.3 0052 50/850r  
 18374.1 0756 50/425r  
 18972.1 0645 75/425r  
 19057.5 2045 75/850n  
 19069.0 1545 50/425r  
 19327.0 0602 50/425r  
 19617.5 1700 75/850r  
 19690.7 2230 50/850r  
 19865.0 1425 50/425r  
 19885.0 1415 50/425r  
 20140.0 1151 50/425r  
 20636.8 1615 50/425n  
 20786.0 0745 50/425n  
 20849.0 16574 75/850n

20863.0 var. 50/425r  
 20935.0 1205 50/425r  
 20960.0 0735 75/425r  
 20989.8 1505 50/425n  
 21770.8 1615 50/850r  
 21875.5 0944 50/425r  
 22832.0 1432 50/425n

22962.9 1305 50/425r  
 23505.8 1120 75/425r  
 23506.0 1140 75/425r  
 23512.2 1140 75/425r  
 23527.8 1146 75/425r  
 23722.0 0720 75/425r  
 24472.0 1320 75/425n

FFPO: 8625.0 C 1215 FUM- FF NAVRAD Papeete - V mkr (GLT-NN)  
 13300 U 0434 Tahiti Aero wkg LAN CHILE 133 (JCH-MD)  
 C 0030 FUM- FF NAVRAD Papeete - V mkr (GLT-NN)  
 22545 U 0045 FUM- FF NAVRAD Papeete - V mkr (GLT-NN)  
 FIJI: 8867 U 0439 Nandi Aero wkg CONTINENTAL 002 (JCH-MD)  
 GUAM: 6506.4 U 1250 NRV- CG Guam - vessel aground notice (JDM-MN)  
 HI...: 8843 U 0344 Honolulu Aero wkg WORLD 42 (JCH-MD)  
 8903 U 0351 Honolulu Aero wkg CG 1438 (JCH-MD)  
 11479 U 0338 ACA2-Hickam Ays wkg GULL 15 (JCH-MD)  
 11282 U 2151 Honolulu Aero wkg UNITED 180 (JRU-OR)  
 13282 U 2330 Honolulu VOLMET (DB-AR)  
 NCAL: 8646.1 C 1220 FUJ- FF NAVRAD Noumea - V mkr (GLT-NN)  
 16956.6 C 1816 FUJ- FF NAVRAD Noumea - V mkr (SJS-GA)  
 22461 C 0040 FUJ- FF NAVRAD Noumea - V mkr (GLT-NN)  
 NZEL: 4260.4 C 1210 ZLO2- Iriirangi NAVRAD - DE mkr (GLT-OR)  
 6679 U 0654 Auckland VOLMET (JRU-OR)  
 8504 C 1210 ZLB4- Awarua MARCO - DE mkr (GLT-NN)  
 8867 U 0439 Auckland Aero wkg QUANTAS 44 (JCH-MD)  
 13282 U var. Auckland VOLMET (FB-FRG) (JCH-MD)  
 13300 U 0432 Auckland Aero wkg SOUTH PACIFIC 001 (JCH-MD)  
 22553 C 2030 ZLB2- Awarua MARCO - CQ/MC mkr (DB-AR)

\*\*\* ANTARCTICA \*\*\*

8997 U 0618 NPX- South Pole wkg MAC CENTER (WTC-AZ)  
 8997 U 0615 NQJ- Siple Station wkg MAC CENTER (WTC-AZ)  
 8997 U 0617 Xray Delta 02 (USN IC-130R a/c) wkg MAC CENTER (MTC-AZ)

\*\*\* SHIPS \*\*\*

500.0 C 2232 GETT- QUEEN ELIZABETH 2 callup to GMI (FAC-UK)  
 500 C 0238 SYOB- MAKEDONIA wkg WSL (FWB-NJ)  
 500 C 0241 SWVZ- MESSINIYAKI GI wkg NMF (FWB-NJ)  
 500 C 0220 GRUJ- JHANSIS wkg NNN (FWB-NJ)  
 500 C 0323 ATKB- JHANSO KI RANI wkg YCS (FWB-NJ)  
 500 C 0319 LKCG- HOECH FOAM wkg WCC (FWB-NJ)  
 500 C 0340 EHWV- FONTEDEUME wkg PJC (FWB-NJ)  
 C var. SZVK- KEA / SKYID- PRATERITTI wkg WNU (FWB-NJ)  
 500 C 0243 SZSL- POWSTANIEC SIASKI wkg WNU (FWB-NJ)  
 4128 U 0335 RSP- ROTTERDAM p/p via WOM (JFH-MA)  
 6506.4 U 1235 NBVG- CCC UNIMAK wkg NNN (JDM-MN)  
 6506.4 U 1240 NIKL- CGC WESTWIND wkg NMC (JDM-MN)  
 6506.4 U 1251 WTEB- NOAA DISCOVERER wkg NMC (JDM-MN)  
 6506.4 U 0426 NDZC- CGC WOODRUSH wkg NCJ (BPS-CA)  
 8294.2 U 1209 WR233222- z/y CAPE FLORIDA o/g NNN (RWA-IA)  
 8362 C 0218 LJUI- VIKING LADY wkg WOE (FWB-NJ)  
 8369 C 0220 YTAP- FLOID wkg YUR (FWB-NJ)  
 8372 C var. UDTK-? wkg UAT/ USRD-? wkg UJY (FWB-NJ)

\*\*\*\* VLF/LW/MW \*\*\*\*

194.0 A 0417 TUK- Nantucket Memorial Airport MA- WX (MDL-ME)  
 206.0 C 0512 QI - Yarmouth, NS CAN - NDB (MDL-ME)  
 209.0 C 2220 ILZ- Newport Middle Airport RI - NDB (PCC-RI)  
 216.0 C 0520 CLB- Carolina Beach NC - NDB (MDL-ME)  
 227.0 C 0409 FRV- Fryburg ME - NDB (MDL-ME)  
 242.0 C 0525 LE - Lexington KY - NDB (MDL-ME)  
 242.0 C 0401 ISS- Wisconsin WI - NDB (MDL-ME)  
 286.0 C 0354 HI - Highland Light MA - NDB (MDL-ME)  
 286.0 C 1457 NS - Nantucket Shoals Lightship MA - NDB (MDL-ME)  
 291.0 C 1435 HR - Halfway Rock Light Station ME - NDB (MDL-ME)  
 305.0 C 2248 BR - Portland Reef Light Station RI - NDB (PCC-RI)  
 351.0 C 0535 PH - Portland ME Light Buoy - NDB (MDL-ME)  
 335.0 C 2230 PV - Providence Airport RI - NDB (PCC-RI)  
 356.0 C 2234 AR - Providence Muni Airport RI - NDB (PCC-RI)  
 368.0 C 0433 INR- QTH ?? NDB (MDL-ME)  
 379.0 A 2250 FWR- Newark Airport NJ - WX (PCC-RI)  
 382.0 A 0350 LQ - Logan Int'l Boston MA - WX (MDL-ME)  
 391.0 C 0509 DDP- San Juan PR - NDB (MDL-ME)  
 394.0 C 0346 PW - Portland Int'l Jetport ME - NDB (MDL-ME)  
 396.0 C 0339 ZBB- South Blmini Airport BAHM - NDB (MDL-ME)  
 500.0 C 2238 7TA - Alglers MARCO ALGE- DE mkr (FAC-UK)  
 500.0 C 0300 XFP- Chetumal MARCO MEX - CQ mkr (FWB-NJ)  
 500.0 C 1902 LGN- Bergen MARCO NOR - CQ mkr (FAC-UK)  
 500.0 C 2221 CNP- Casablanca MARCO MROC - c/g 3EYD2 (PAC-UK)  
 1613.0 C 0029 RAB- Rabinal GUAT - NDB (SN-TX)

\*\*\*\* QSLs \*\*\*\*

ANGO: D3E- Luanda MARCO - Ltr in 240a- IRC - 12780 kHz (JF-IL)  
 ARGZ: IQB9- SPTS Villa Maipu- Gard- 7d IRC - 8167.5 kHz (ES-MA)  
 AUST: VHC- Canberra NAVRAD - PFC/Ltr 37d 2IRCS - 7622.5 kHz (WTC-AZ)  
 AUST: RAAZ Townsville - PFC 21d IRC - 11235 kHz (BFS-GA)  
 CHIL: CGS- Santiago NAVRAD- Ltr 33d 2 IRCS - 12662 kHz (AJD-NJ)  
 CZEC: OLB5- SPTS Prague - Gard - XRP 3170 kHz (ES-MA)  
 DEN.: OX292- Lyngby MARCO - Gard 15d IRC - 22404 kHz (AJD-NJ)  
 FRAN: FPK5- FTS Paris - n/d Letter 34d IRC 10155 kHz (JF-IL)  
 FRG.: DAL- Norddeich MARCO - PFC 47d XRP- 8511.9 kHz (DLS-NY)  
 FRG.: DAM- SPTS Norddeich/Hamburg- Gard 41d IRC- 6475.5 kHz (ES-MA)  
 HOLL: PCH70- Scheveningen MARCO- Gard 11d IRC- 22324.5 kHz (AJD-NJ)  
 JAPAN: JCS- Nagasaki MARCO- Gard/Ltr 20d IRC- 4328 kHz (DLS-NY)  
 JAPAN: JCS- Choshi MARCO- Gard 15d for 2 IRCS- 16998.5 kHz (AJD-NY)  
 ENG.: JEV- Jersey C.I. - Ltr 10d for IRC - 367 kHz (PAC-UK)  
 PHIL: DZG- Manila MARCO- Ltr in 16d IRC- 12882 kHz (JF-IL)  
 SOAF: ZUO- SPTS Olifantsfontein-Gard IRC- 5000 kHz (ES-MA)  
 SOAF: ZSC40- Capetown MARCO- Gard 14d 2 IRCS - 22355 kHz (AJD-NJ)  
 SWIS: HEB- Berne MARCO - Gard 21d for IRC - 22362 kHz (AJD-NJ)

8373 C 0220 UZZV- KOSMONAUT GUEORGY DOBROVOLSKY wkg UAT (FMB-NJ)  
 8731 U ---- KMJH- WASHINGTON TRADER p/p via WOM (WJS-ONT)  
 8765.4 U 1335 WXBZ- POTOMAC TRADER wkg NMD (JDM-MN)  
 8993 U 2329 NIKL- CGC WESTWIND p/p HOWARD RESCUE via Albroom (JCH-MD)  
 10795 C 0045 UCNV- ?? c1g RIT (MDC-NY)  
 14935 U 2138 NNM000- USS PATINALL p/p via NNM0VKC (BCW-VA)

\*\*\*\* AIRCRAFT \*\*\*\*

U 1222 SOUTH PACIFIC 410 c1g Honolulu Aero (JDM-MN)  
 5574 U var. EMPRESS 322/TIGER 73 wkg San Francisco Aero (JDM-MN)  
 5598 U var. AEROFLOT 341/NIGERIAN 850 wkg N. Y. Aero (BPS-CA)  
 5598 U var. TAIWAN 723/AIR FRANCE 203 wkg San Juan Aero (BPS-CA)  
 5598 U 0205 GERMAN AIR FORCE 5067 wkg Gander Aero (JDM-MN)  
 5616 U 0037 SPEEDBIRD 262 wkg Gander Aero (JDM-MN)  
 5616 U 0112 MEXICO 450 wkg New York Aero (JDM-MN)  
 5628 U var. JAPAN AIR 47/82/83 wkg Anchorage Aero (JDM-MN) (BPS-CA)  
 5628 U 1557 KOREAN AIR 016 wkg Anchorage Aero (BPS-CA)  
 5643 U 1314 QUANTAS 3 wkg Nandi Aero (JDM-MN)  
 5643 U var. QUANTAS 4/ MAC 36075 wkg Honolulu Aero (JDM-MN) (BPS-CA)  
 5696 U 2050 CG 1433 wkg CG Portsmouth (CC-DE)  
 5727 U var. CUBANA 441/AMERICAN 870 wkg N. Y. Aero (JDM-MN) (RJC-MA)  
 6577 U 1320 MAC 40651 p/p 21st Metro via Scott (JDM-MN)  
 8825 U 0148 GERMAN AIR FORCE 5098 wkg New York Aero (JDM-MN)  
 8825 U 0441 SPRINGBOK 204 wkg Santa Maria Aero (BPS-CA)  
 8843 U var. WESTERN 564/AMERICAN 10 wkg San Francisco (JDM-MN)  
 8861 U 2212 KLM 792 wkg Recife Aero (CC-DE)  
 8861 U 0055 TIMEUOTU 58 wkg Kharoum Aero (CC-DE)  
 8891 U var. AIR FRANCE 273/BUBANA 421 wkg Reykjavik (JCH-MD) (JDM-MN)  
 8894 U var. NIGERIAN 588/ALITALIA 923 wkg Kano Aero (JDM-MN)  
 8894 U 2315 AEROFLOT 414- "Mayday" call to Algiers Aero (CC-DE)  
 8903 U 1405 PHILIPPINE 560 wkg Honolulu Aero (JDM-MN)  
 8903 U 1407 CONTINENTAL 562 wkg Guam Aero (JDM-MN)  
 8918 U var. PALM 200/CUBANA 480 wkg New York Aero (JDM-MN)  
 8933 U 0103 SPRINGBOK 234 wkg Johannesburg LDOO (IRC-MA)  
 8984 U 1438 CG 1434 wkg CG Portsmouth (JDM-MN)  
 8993 U 0144 MAC 40636 p/p via Ascension Awns (RWP-TX)  
 10048 U var. CG 1502/GLIPPER 401 wkg Anchorage (BPS-CA) (JDM-MN)  
 10066 U var. CHINA 986/CATHAY 801 wkg Anchorage (BPS-CA)  
 10066 U var. GARUDA 880/ECHO LIMA 362 wkg Rangoon Aero (BPS-CA)  
 10066 U 1328 SINGAPORE 25 ALFA wkg Jakarta Aero (BPS-CA)  
 10066 U 1710 AIR LANKA 423 wkg Madras Aero (BPS-CA)  
 10066 U var. INDIA 125/QUANTAS 665 wkg Calcutta (JCH-MD) (BPS-CA)  
 11176 U 0026 ROMEO GOLF 715 p/p via Diego Tower (JCH-MD)  
 11282 U var. MAC 40640/JAPAN AIR 63 wkg San Francisco (JDM-MN)  
 11300 U 0141 AIR FRANCE 467 wkg Kharoum Aero (CC-DE)  
 11300 U 0235 AIR FRANCE 465 wkg Nairobi Aero (JDM-MN)

URCY: CWA- Cerrito MARCO- n/a Ltr 70d IRC- 12750 kHz (AID-NJ)  
 USA.: KIC- Galveston MARCO - PFC in 04d- MS 8666 kHz (DLS-NY)  
 USA.: WNU03- Slidell MARCO- Card/PFC in 41d MS- 8525 kHz (DLS-NY)  
 USA.: NMA- USCG Miami FRC- Card 30d MS 5696 kHz (DLS-NY)  
 USA.: WJL- Narragansett RI- PFC 74d MS - 12340 kHz (HH-MD)  
 FALK: when held by Argentina: Islas Malvinas- Card 40d 2 IRCs  
 24145 kHz (?W-PT)

SHIPS-

HO6605- HELA- PFC 27d IRC - 12345.5 kHz (HH-MD)  
 WEDU- PENNSYLVANIA TRADER - PFC 61d MS- 12345.5 kHz (HH-MD)  
 OYKZ- ALBERT MAERSK- PFC in 54d for MS- 8360 kHz (HH-MD)  
 WRS2325- SOLAMAR- PFC 78d for MS 12312 kHz (HH-MD)  
 COVR- ACT 5- Ltr/pic in 24d for IRC - 8360 kHz (HH-MD)  
 GROV- SAMARIA- Ltr in 123d XRP- 12343.6 kHz (HH-MD)  
 WRFV- OVERSEAS HARRIETT- PFC/pic in 32d for MS- 8360 kHz (HH-MD)  
 GKVO- TEXACO MELBOURNE- Ltr/pic in 34d for IRC- 12544.5 kHz (HH-MD)

\*\*\*\* We had 58 contributors for this Issue. They were:

(RMA-FRAN) ROGER AKED (JCH-MD) JAMES HARTUNG  
 (BLA-PA) BRIAN ALEXANDER (DRH-PA) DONALD HEIN  
 (RMA-IA) ROD ALEXANDER (JFH-MA) JOHN HENAUPT  
 (FNB-NJ) FRED BELGHAUS (HH-MD) HANK HOLBROOK  
 (JEB-CA) JASON BERRI (BLJ-TX) BRIAN JONES  
 (DKB-NH) DONALD BLACK (PTK-IL) PATRICK KERRIGAN  
 (CB-FL) GARY BLEDSOE (JJK-NY) JULIAN KRATTER  
 (FB-FRC) FRED BODENHAGEN (EDK-MI) EUGENE KROLAK  
 (DB-AR) DON BREWER (FAL-OH) ROBERT LEARY  
 (RCP-WI) ROBERT BROCK (MDJ-ME) MICHAEL LEONARD  
 (LB-VA) LYNN BURKE (SM-JPAN) SATOSHI MIYAUCHI  
 (RCC-MA) NORMAN CADORETTE (AM-UK) ALEX MOORE  
 (CC-DE) CORNELIA CAMPBELL (SN-TX) SAM NEAL  
 (PCC-RI) PETER CARD (FJO-OH) FRED OSTERMAN  
 (WTC-AZ) MIKE CHASAK (RWP-TX) ROBERT PETHINGILL  
 (MDC-NY) MARK CHINSKY (FLR-KS) ROBERT RANKIN  
 (RJC-CA) ROBERT COLEMAN (AR-VA) ARNOLD RITT  
 (PAG-UK) PETER CONWAY (TFS-NY) THOMAS SABLE  
 (LSD-NJ) LARRY DANKO (BPS-CA) BRIAN SHARPE  
 (AJD-NJ) A. J. DEINET (SJS-CA) STANFORD SHAW  
 (CD-CA) CHRIS DEVENDORF (ES-MA) EDWARD SOOHRÉ  
 (RPD-NJ) RICHARD DURAN (DLS-NY) DONALD SPRAKER  
 (JF-IL) JOSEPH FARLEY (RDS-NJ) RICHARD STEIN  
 (RDG-AUST) ROGER GAMMON (WJS-ONT) WILFRED STONE  
 (PAG-NC) PAUL GILSTER (MT-JPAN) MASAHIKO TANAKA  
 (FG-NY) FERNANDO GONZALEZ (GLT-NM) GLENN THOMPSON

11396 U var. EASTERN 920/AMERICAN 870 wkg New York (JDW-WN)  
 11396 U var. QUANTAS 28/UTA 566 wkg Darwin Aero (BFS-CA)  
 11396 U var. SWISS AIR 173/JAPAN AIR 710 wkg Manila (BFS-CA)  
 11396 U var. LUFTHANSA 691/SINGAPORE 22 ALFA wkg Perth (BFS-CA)  
 11396 U 1654. PHILIPPINES 211 wkg Jakarta Aero (BFS-CA)  
 11396 U 1704. MALAYSIAN 65 wkg Singapore Aero (BFS-CA)  
 11396 U 1526. PHILIPPINE AIR 212 wkg Ujung Pandang Aero (SM-JPAN)  
 11466 L 1515. NAVY 50496 wkg Andrews AFB MD (RAL-OH)  
 13205 U 0350. TANGO VICTOR 10 wkg Berme Aero (JCH-MD)  
 13247 U 1722. AIREVAC 40638 p/p via Andrews AFB (CC-DE)  
 13300 U 0356. JAPAN AIR 75 wkg Guam Aero (BFS-CA)  
 13300 U 0405. SOUTH PACIFIC 401 wkg Tokyo Aero (BFS-CA)  
 13306 U var. MAC 60431/ALITALIA 608 wkg New York (FB-PRG)  
 13710 L 1752. CG 01 wkg Andrews AFB MD (LSD-NI)  
 17916 U 2002. SINGAPORE 2 c/g Stockholm LDOC (JRU-OR)  
 18027 U 1748. CG 01 wkg Andrews AFB MD (LSD-NI)

\*\*\*\* TACTICAL \*\*\*\*

3071.0 U 0410. SAM 24127 wkg Andrews AFB (RAL-OH)  
 4190 U 0009. QUEBEC 2 VICTOR wkg 9 WHISKEY & 4 DELTA (PB-PFG)  
 4721 U 0343. SAM 12488 wkg Andrews AFB (RAL-OH)  
 4730 U 0302. SEAWALL 101 wkg CANMIL Halifax (BS-WA)  
 4731 U 1415. SAM 31682 wkg Andrews AFB (RAL-OH)  
 4746 U 1549. ASGOT 5075 wkg MacDill Awys (CC-DE)  
 5680 U 2307. PLUTO 1 wkg Ops Center (JCH-MD)  
 5696 U 2220. SHARK 721 wkg SHARK 629 (LSD-NJ)  
 5700 U 1304. BONANZA wkg DEER RUN (RAL-OH)  
 5700 U 0140. MARINE 515 wkg Andrews AFB (RAL-OH)  
 6683 L var. AIR FORCE 2 wkg Andrews AFB (RPD-NJ) (RAL-OH)  
 6715 L var. SAM 27000/86971/24130/24201 wkg Andrews (BLA-PA) (RAL-OH)  
 6730 L var. AIR FORCE 2 wkg Andrews (RAL-OH) (BLA-PA)  
 6738 U 0643. GULL 15 wkg Hickam Awys (BLA-PA)  
 6750 U 0123. TEAL 15 wkg MacDill Awys (JDW-WN)  
 6750 U 0125. GULL 19 wkg Loring Awys (JDW-WN)  
 6742 U 1206. SANWORTH wkg CUTOOT (RCB-WI)  
 6756 U 0255. RED RIVER wkg Andrews (BLA-PA)  
 6756 U var. SAM 27000 wkg Andrews AFB (CC-DE) (RAL-OH)  
 6761 U 0025. CORN CRIB 7/C NECKTIE via SNOWFALL (MDC-NI)  
 6761 U 0158. KOJAC 59 p/p via TETRAD (CC-DE)  
 6830 U 1400. SAM 01 wkg Andrews AFB (RAL-OH)  
 6835 U 1330. USS 2??? wkg 26 SIERRA (RAL-OH)  
 6993 L var. SAM 24197/12496 wkg Andrews AFB (RAL-OH)  
 7735 U 2107. AIR FORCE 1 wkg Andrews AFB (RAL-OH)  
 7765 U 1415. AGAR 07 p/p AIRA CONTROL via Cape Radio (RAL-OH)  
 7858 U 1306. SAM 27000 wkg Andrews AFB (RAL-OH)  
 8280a L 2136. USN war games exercise (PTK-IL)

(PAT-CA) PEGGY THOMPSON  
 (JRU-OR) JAMES UERLINGS  
 (?-W-F) ? WILKNER

(JDM-WN) JOHN WILLIAMS  
 (DLM-CT) DAVID WILSON  
 (BCW-VA) BERNIE WIMMERS

\*\*\*\* MAJOR CHANGE IN USAF AIRWAYS COMMS..... As some of you already

suspect, the US Air Force Communications Command, has altered the prime mission of its "Airways" stations. (MacDill, McClellan, Hickam and so on) As of 01 October 1983, USAF Airways stations, NO LONGER HAVE THE RESPONSIBILITY OF HANDLING MILITARY AIR TRAFFIC CONTROL DUTIES.... ALL will now handled through the commercial aeronautical network, via the civil aero frequencies. ALL USAF Airways stations will now adopt the procedures used for years, by Scott Airways; primarily air/ground phone patch services, plus comms related to the USAF global command and control network.

Although the airways stations will not refuse ATC type traffic, all normal military ATC comms will be referred to the appropriate civil aero frequency. As this firmly takes effect, there will be a dramatic drop in USAF airways xmsn activities, and a whole bunch of MAC & tactical call signs, appearing on the civil aero frequencies. (TNX to CD-CA for the info)

\*\*\*\* For any new Speedx utes.... If the Utility Scene appears to be some sort of coded presentation, it is because of the necessity of adopting abbreviations, in order to get as much data, into the limited spaces. In exchange for (1) first class stamp (or INC), I will send you a 9 page "Abbreviations & Terminology list plus Contry Codes (A&T/C list). This will help you make more sense of the data.....

\*\*\*\* SEMPER FI.... USMC Beirut Lebanon.....

\*\*\*\* A Reminder... As we head into the new year, this column will swell in the number of contributors and their submission volume. I ask that you try to send in what you consider to be, good monitoring catches. Quality and not quantity, (during the heavy input winter months) will make my job alot easier... TNX

\*\*\*\* At this time I want to wish each of you, the very best of the holiday season, and a really super 1984. You're a great bunch!! We maybe a minor interest column in Speedx, but your support has made it an unquestionable success.

TNX gang & 73s..... See you all in 84.....

MK



# QSL

## REPORT



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



1983

### EDITOR:

Leon Kanopka  
139-37 254th Street  
Rosedale, New York 11422 U.S.A.

VIA AEREA

Greetings everyone. Welcome to the December 1983 QSL Report. I wish everyone a very happy holiday season, and a very very Happy New Year.

\*\*\*AFRICA\*\*\*

BENIN-ORTB-Parakou-5025, freq only Royal Storytellers card in 36d for a FF rpt (Barto-CT).

CAMEROUN-R. Douala-4795, f/d map card in 85d for 2 irc (Jones-VA).

CANARY ISLANDS-REE-Tenerife-15345, f/d card in 51d (Stephany-NY). Same in 130d for 2 irc (Returned) and SS rpt (Card-Ri).

\*DJIBOUTI-R. Djibouti-4780, date only QSL card in 17d for EE/FF rpt and an irc (Wilczek-IL). date/freq plain card in 20d for US\$1 and a FF rpt (Sharp-FL) This was Davids 22nd Afro veri. Same in 18d for 2 irc and a FF rpt (Parks-FL). Good work, very nice QSL.

EGYPT-R. Cairo-9475, f/d Mosque card in 68d (Cleveley-NY). Card in 92d signed by Rita, of course (Howard-MO).

GABON-RTVG-4777, date only purple, green and yellow QSL folder in 192d for FF rpt, 2 irc and some used US stamps (Drollinger-WI). Also recd were some used Gabon stamps (A nice trade. lnk). Africa #1-4810, freq only logo card on 270d for EE/FF rpt (Lord-CA).

IVORY COAST-R. Abidjan-4940, date/freq map card in 71d for FF rpt and an irc (Stephany-NY). Same in 25d for FF rpt and 2 irc (Streeter-NY).

LIBYA-R. Jamahiriya, 11816, p/d cards recd: in 56d for 3 irc (Cleveley-NY). In 35d for an irc (Smith-TN). In 60d/2irc (Campbell-CT). In 1Yr (Wilczek-IL). In 420d/2irc (McLain-CA). In 19d/1irc (Dillaman-OH). In 63d/1irc (D'Angelo-PA). In 33d/1irc (Wilkins-CO). In 46d/2irc (Streeter-NY). In 59d (Barto-CT). Some of these were full data, and most were sent thru the Malta address.

Liberia-ELBC-3255, logo card in 38d (Cleveley-NY).

MADAGASCAR-11740, f/d construction card in 18d (Muzyka-NY). R.NEBERLAND!

NIGERIA-V of Nigeria-7255, f/d card in 163d (Howard-MO). Plateau Bcst Co. 5965, F/D card in 40d for 2 irc (Cleveley-NY). FRCN-Kaduna-4770, f/d form letter in 59d for 2 irc (Parks-FL). V/S-Yusuf Garba. Same in 28d for US\$1 (Sharp-FL).

RWANDA-DW-17800, 21600, f/d map cards in 58d (Stephany-NY). (Barto-CT). (Murster-GA).

\*SENEGAL-ORTS-4890, date/time logo card in 40d for EE/FF rpt and 2 irc (Fisher-MA). Same for same in ?? (Lipman-NY). Same in 61d for EE rpt and US\$1 (Sharp-FL). Same in 96d for 3 irc (Kapinos-MA).

SOUTH AFRICA-Capital Radio-3930, date/freq card in 5 mo for 2 irc (Fisher-MA). Radio RSA-Various freq cards in about 20 days from-Bingham-MA, Chickereil-WV, Spremo-NY, Munster-GA, Gilmore-MA, Ducos-France, Adams-MA.

SWAZILAND-TWR-7295, 11760, folder card in 40d for 3 irc (Cleveley-NY). Same in 55d for 2 irc (Dillaman-OH).

TANZANIA-R. Tanzania-5050, date/freq card in 161d for 2 irc (Streeter-NY). Same in 10 months (Huffaker-MX). Radio Dares Es Salaam-9685, date/freq card in 402d for 2irc (McLain-CA).

ZIMBABWE-ZBC Radio #1-3396, large p/d map card in 2 mo (Campbell-CT).

No room here to start on Europe so that will begin on the next page. I received some more late contributions this month. The deadline here is the 12th, so please try to have them here by then. I have to try to get the column done early due to my busy schedule this and next month. TNX.

\*\*\*EUROPE\*\*\*

ALBANIA-R. Tirana-7120, f/d Revolution card in 107d (Kapinos-MA).

AUSTRIA-ORF-5945, 9770, f/d card in 45d (Cleveley-NY). Same in 50 (Gammie-MI). Same in 54 (Howard-MO).

BELGIUM-BRT-Various frequency cards in about a month from-Adams-MA, Campbell-CT, Klosowski-FL, Cleveley-NY, Gilmore-MA, and Dillon-PA. ORU-La Voix de l'Amity-21460, f/d card, pennant, sticker and sked in 19d (Jones-VA). Same in 25d for FF rpt, 2 irc (Lipman-NY).

BULGARIA-R. Sofia-9700, 15110, QSL in 64d (Ducos-FR). Same in 66d (Kapinos-MA). In 60 (Cleveley-NY). In 40 (Dillon-PA).

CZECHOSLOVAKIA-R. Prague-5930, 6055, 7345, 11990, f/d cards in: 37d (Dillon-PA). In 38d (Ducos-FR). In 38d (Spremo-NY). In 90d for 2 irc (Adams-MA). In 63d (Speer-CA). In 115d (White). In 29d (Chickerell-WV).

DENMARK-R. Denmark-15165, f/d card in 15d for 2 irc (Cleveley-NY).

FRANCE-RFI-15315, 17620, QSL in 33d (Ducos-France). Card in ?? (Spremo-NY). Card in 30d for 2 irc (Adams-MA). Card in 45d (Dillon-PA).

GERMAN DEMOCRATIC REPUBLIC-R. Berlin International-7185, 9560, 15340, 21465, QSL in 38d (Ducos-FR). F/D card in 68d (Bingham-MA). Card in 110d with sked and booklet (Mahoney-FL). Card in 60d (Leite-MA). Card in 33d (Kapinos-MA).

GERMAN FEDERAL REPUBLIC-RIAS-6005, date/freq antenna card in ?? days for an irc (Soomre-MA). DW-6040, 9565, 15150, f/d card in 20d for 2 irc (Adams-MA). Same in ?? for 2 irc (Gammie-MI). Same in 38d (Leite-MA). Same in 49d (Spremo-NY). 11865-Wertachtal, 9700-Julich f/d cards in 29d (Kanopka). 11795, 11955 via Julich- cards in 31d (Barto-CT). 21600 via Julich- f/d card in 53d (Stephany-NY).

GREAT BRITAIN-BBC-15070, no data bridge card in 23d (Spremo-NY).

GREECE-Voice of Greece-9865, 11645, f/d beach card in 126d (Bingham-MA). Same in 30d for 2 irc (Adams-MA). Card in 58d for 2 irc (Spremo-NY). Rhodes beach card in 101d for an irc (Brewer-ARK). Card in 51 (Dillon-PA).

HUNGARY-Radio Budapest-12000, f/d logo card in 30d (Dillon-PA).

IRELAND-R. Dublin-6910, logo card in 69d for 2 irc (Spremo-NY). World Music Radio via R. Dublin- f/d card in 21d for 2 irc (Smith-TN).

ITALY-RAI-9575, 11800, 11845, f/d card in 104d (Kapinos-MA). Boat card in 157d (White-??). Painting card in 135d (Szabo-KS).

LUXEMBOURG-R. Luxembourg-6090, date/freq staff card in 53d along with stickers (Sharp-FL).

MONACO-TWR-9493, f/d Monte Carlo card in 27d for an irc (Talbot-Alberta). Same in 43d along with pennant for 2 irc (Brewer-ARK).

NETHERLANDS-R. Nederland-15560, f/d drawbridge card in 22d (Talbot-ALB).

NORWAY-R. Norway-11810, f/d card, sticker and sked in 3 mo (Cleveley-NY).

POLAND-R. Polonia-7165, 9525, 15120, f/d card in 120d (Kapinos-MA). Same in 135d (Card-RI). Same in 105d along with sked, letter, report form, & DX club info (muzyka-NY). Card in 60d (Stone-Ontario).

PORTUGAL-R. Portugal-6060, 9575, 9605, mirror of Venus card in 20d (Bingham-MA). Oriental carpet card in 24d along with a sticker and sked (Dillon-PA). Card in 46d (Ducos-FR). R. Renascenca-11730, f/d card in 75d for 2 irc (Pagano-DC). R. Liberty-25690, freq only map card in 6 days (Jones-VA).

ROMANIA-R. Bucharest-11940, 9690, f/d card in ?? (Cleveley-NY). Moldavia card in 700d along with stamps for used US stamps (Muzyka-NY). See folks sending used US stamps to stations pays off in return for their gifts.

SPAIN-REE-9570, 9630, 11880, Card in 37d (Ducos-France). Card in 60d (Cleveley-NY). Painting card in 43d (Bingham-MA). Beach card in 45d for 2 irc (Adams-MA). Painting card in 35d (Dillon-PA).

SWEDEN-R. Sweden Intl-11705, 9605, 15270, 11710, f/d 35 Ann. Sweden Calling DXers card in 22d (Talbot-Alb). Same with sticker in 28d (Cleveley-NY). Same in 30d for 2 irc (Adams-MA). Same in 18d (Spremo-NY).

SWITZERLAND-SRI-9725, 6135, 21570, studio card in 22d (Talbot-Alberta). Black and white 3 picture card in 22d (Chickerell-WV). Staff card in 25d for an irc (Spremo-NY). Logo card in 26d (Dillon-PA).

VATICAN CITY-Vatican Radio-11845, 6015, Pope card in 14d (Bingham-MA). 50th Ann card in 30d (Cleveley-NY). Pope card in 21d along with a sticker (Chickerell-WV). Same in 15d for an irc (Gammie-MI).

YUGOSLAVIA-R. Yugoslavia-9620, f/d card in 1½yrs (Burke-Va).

\*\*\*\*\*USSR\*\*\*\*\*

Radio Kiev-11720, 11770, 17870, f/d museum card in 49d (Lutsky-Que). Kiev hotel card in 40d (Spremo-NY). Museum card in 45d (Dillon-PA).

R. Tashkent-11785, logo card in 48d (Lipman-NY).

R. Peace and Progress-15520, f/d Red Square card in 57d (Parks-FL). Same in 26d (Thim-CT).

Radio Moscow-17700 via Serpukhov, 15100 via Lvov, 11840 via Havana (I guess that last one belonged in the Cuba section!) in 67d (Soomre-MA). Via Moscow-15100, f/d exhibition card in 34d along with stamps (Moore-TX). Via Moscow-12010, f/d card in 48d (Ducos-France). 15540 via Ashkhabad, 11770 via Alma Alta, card in 53d (Dillaman-OH).

\*\*\*\*\*ASIA\*\*\*\*\*

CHINA-People's Republic of-R. Beijing-15385, 15520, 17855, f/d card, stickers, and bookmarks in 20d (Mahoney-FL). Card in 63d with same prizes and also a pennant (Stephany-NY). Card in 21d along with Chinese ms (Kapinos-MA). Same in 31d (Talbot-Alberta). Great Wall card in 35d (Dillon-PA). Card in 25d (Howard-MO). Same in 46d (Spremo-NY). Same in 30d (Mahoney-FL). R. Beijing was generous with the pennants this time around, so go get 'em. CPBS-11375, card in 89d via Beijing (Hall-CA). CPBS-6790, f/d card via Beijing (Kapinos-MA). CPBS-7504, f/d card via Beijing (Kapinos-MA).

INDIA-AIR-9912, Camel Fight card in 62d (Ducos-France).

INDONESIA-RRI Regional II Serui-4607, date/freq Indo letter in 32d for ms and II rpt (Parks-FL). V/S-Fredericka R. Silubum.

IRAN-Vof the IRI-9022, War is Ugly card in 116d for an irc (Lipman-NY). Same in 109d (Kapinos-MA).

IRAQ-Radio Baghdad-9745, f/d giant color map card in 138d (Drollonger-WI). QSL cards don't come much larger than R. Baghdads...lnk

ISRAEL-Kol Israel-11655, f/d card in 50d for an irc (Gammie-MI). Same in 9 wks (Wilkins-CO).

JAPAN-R. Japan-11755, 15300, 17825, 21610, p/d cards in about 30d by: Barto-CT, Gilmore-MA, Adams-MA, Speer-CA, Blanchette-FL, Dillon-PA.

KAMPUCHEA-Voice of the People of Kampuchea-9695, 11938, f/d letter in 2yr 3 mo (Kapinos-MA). This was the second reply to the same report. F/d form letter with Christmas greetings card and sked in 10 months (Leite-MA). V/S-Som Kim Suor.

KUWAIT-R. Kuwait-11675, f/d logo card and 2 stickers in 46d (Dillon-PA).

MALAYSIA-RTVM-Penang-7295, card in 1 yr for 2 irc (Witte-CA).

MONGOLIA-R. U. B.-12070, QSL and pennant in 120d (Ducos-France). Same in 33 days (Lipman-NY).

PHILIPPINES-FEBC-11890, f/d morse code card in 36d for an irc (Talbot-Alb). V/S-Henny Gray. 6030, f/d sunset card in 90d for 3 irc and tape rpt (NM-Murff).

SOUTH KOREA-R. Korea-15575, 7550, 2 QSLs and a pennant one in 39 and the other in 76 days (Ducos-France). Seasons Card in 31 along with a sticker and a pennant (Szabo-KS). Broadcasting centre card in 54d along with a pennant (Sable-NY).

SRI LANKA-VOA-f/d Golden Gate Bridge card in 50d, 11 after f/up (Kanopka-NY). Freq was 15395. 2 days later I received the response to the original report with the requested frequency sked.

TAIWAN-VOFC-11745, f/d Chinese art card and pennant in 150d (Card-RI).

TURKEY-VOT-11740, Turkish ruins card and pennant, sticker and sked in 62d after 3rd f/up for 3 irc (2 Yrs total) (Fernando-NY).

UNITED ARAB EMIRATES-UAE Radio-15300, 21655, map card in 30d for an irc (Catey, IL). Same in 51 (Adams-MA).

YEMEN ARAB REPUBLIC-Radio San'a, 4853, 9780, date/freq form letter in 56d (D'Angelo-PA). 2nd verie from same station in 82d (Sharp-FL).

\*\*\*\*\*PACIFIC\*\*\*\*\*

AUSTRALIA-VLW9-Wanneroo-9610, f/d card in 16d for 2 irc (Thim-CT). Same map card in 40d for an irc (Mellinger-NJ). Same in 21d for 2 irc (Chickereil WV). Same for an irc in ? (Soomre-MA). R. Australia-9580, Regent Brower-bird card in 23d (Blanchette-FL). No QSL-sked only in 23d (Chickereil-WV). Same card in 19d for an irc (Spremo-NY). 17795-Kookaburras card in 27d (Talbot-Alberta). 17795 via Shepparton in 43d (Dillon-PA).

MARIANA ISLANDS-GUAM-KTWR-9510, 11840, 5th Ann/Studio card in 42d along with a paper pennant for ms (Stephany-NY). Same w/o pennant in ?? for ms (Soomre-MA). SAIPAN-KYOI-qsl in 63d (Ducos-FR). Freq was 11900.

NEW ZEALAND-RNZ-15485, f/d soccer card and pennant in 19d for 3 irc (Hevern-NJ).

SOCIETY ISLANDS-TAHITI-R. Tahiti-11825, f/d conch blower card in 30d for 2 irc and used US MS and FF rpt on 3rd try (Lord-CA). Same in 53 for 2 irc and FF rpt (Lipman-NY). Same in 97d for 3 irc (Blanchette-FL). Same in 61d for 3 irc (Woloch-QUE). Same in 56d for an irc (Moore-TX).

SOLOMON ISLANDS-SIBC-9545, logo card in 15d with attractive stamps for 3 irc (Lieu-CA).

\*\*\*\*\*NORTH AND CENTRAL AMERICA AND THE CARIBBEAN\*\*\*\*\*

ANTIGUA-DW-6040, f/d map card in 60d (Lobdell-MA). Same in 31d (Barto-CT). Same in 29d (Kanopka, NY).

CANADA-CHNX-Nova Scotia-6130, f/d ocean playground card in 30d (Bingham-MA). Same with stickers in 25d(Dillon-PA). CFRX-Toronto-6070, f/d airplane card in 26d for an irc (Lipman-NY). Same in 20d for no rp (Bingham-MA). CFVP-Calgary-6030, no time card in 21d for an irc (Garrett-CA).

COSTA RICA-R. Impacto-6150, no data SS letter in 60d for an irc and a SS rpt (Dillaman-OH). Same in 60d for 2 irc (Fisher-MA). V/S-Herberth Vasquez Viquez. R. Casino-5954 khz, date/freq card in 153d for a SS rpt (Wilczek-IL).

DOMINICAN REPUBLIC-R. Earth-Via Radio Clarin-11700, f/d first broadcast Curacao scene card in 5 mo for 2 irc (Hosmer-MI). Same in 151 (Streeter-NY). Same in 5mo 7d (Demmitt-PA).

HONDURAS-HRPC-R. Luz y Vida-3250, f/d form letter in 17d for SS rpt and ms, Mahoney-FL). V/S-Don Moore.

MEXICO-R. Huayacocotla-2390, date/freq form letter in 199d for SS rpt (Wilczek-IL). V/S-Jesus Maldonado G.

MONTSERRAT-DW relay-9545, 11705, f/d map cards in 30d from: Stephany-NY, D'Angelo-PA, Kanopka-NY, Barto-CT.

NETHERLANDS ANTILLES-TWR-11815, f/d antenna card in 22d for an irc (Spremo-NY). R. Netherlands-9775, 9590, f/d drawbridge card in 21 (Talbot-ALB). Same in 5 wk (Barto-CT).

UNITED STATES OF AMERICA-WYFR-9535, 11830, 11875, 15365, 15440, Logo card in 45d for 2 US ms (Adams-MA). Same in 29d (Talbot-Alberta). Same for 20¢ stamp in 30d with a bumper sticker (Stone-ONT). Same in 31d (Quebec-Casavant). Same in 37d (McCants-AL). WRNO-date/freq DX club card in 120d (Bingham-MA). VOA-Bethany-26000, f/d San Fransisco card in 13d (Soomre-MA). United Nations Radio via Greenville, 17730, f/d logo card in 7d (Dillaman-OH). Same in 10d (Bingham-MA). Voice of Free China via WYFR-5980, 5985, f/d cards in 26d for 2 irc along with goodies (Adams-MA). Same in 53 (Gilmore-MA). Same in 64d (Talbot-Alberta). Same in 47d for an irc (Robinson-TX). Card in 25d (Spremo-NY). Goodie pack in 1 mo for 3 irc (Adams-MA). If you like to get all sorts of goodies from radio stations, then send a report to the VOFC American service, you may hit the Jackpot...lnk

\*\*\*\*\*SOUTH AMERICA\*\*\*\*\*

ARGENTINA-RAE-11710, f/d logo card in 33d (Kapinos-MA). John also recd a "March of the Malvinas" tape, and he will supply a copy to anyone who sends him a blank cassette, mailer and 37¢US stamps or 4 irc overseas (Canada-2 Canada 37¢ stamps). Address: John Kapinos, 86 S. Quinsigamond Ave.,

Shrewsbury, MA 01545. // Logo card in 39d along with pennant (Lipman-NY).  
15345, Decal card in 23d for an irc along with a pennant and a personal  
letter (Thim-CT). Same in 33d (Campbell-CT). V/S-Roxana Larghi.

BOLIVIA-Radio Norte-4936, no data personal letter in 218d for US\$1 and a  
SS rpt (Parks-FL). V/S-Leonardo Arteaga Rios, Dir. R. Nacional-5975,  
f/d card in 263d for a SS rpt and ms (Streeter-NY). V/S-Rogildo  
Fontenelle Aragao.

BRAZIL-Radio Rural-4765, date/time handwritten EE letter in 167d for ms and  
PP rpt (Streeter, NY). V/S-Bishop James Ryan. R. Tabajava-4795, f/d folder  
card in 19d for ms and a PP rpt (Parks-FL). V/S-Robert Carlos de Oliveira  
Dir. Operations. R. Anhanguera-4915, form letter in 76d for pp rpt and  
ms (Mahoney-FL). V/S-Maria Lucia de Brito. R. Educadora de Braganca-4825,  
folder card in 39d for PP rpt (Barto-CT). V/S-Bazare Lascoal. Radio  
Rio Mar-9695, date/freq large card in 43d for a PP rpt (Barto-CT).  
R. Ribeirao Preto-3205, date/freq card in 53d for a PP rpt (Barto-CT).  
V/S-Paulo T.G. Pizani. Radio Bras-15435, 15290, QSL and sticker in 53d  
(Ducos-FR). Same in ?? (Spremo-NY).

COLOMBIA-R. Macarena-5975, f/d card in 45d along with a sticker for a  
SS rpt (D'Angelo-PA).

ECUADOR-R. Paz y Bien-4820, f/d logo card in 316d for a SS rpt. A pennant  
was also sent (Wilczek-IL). R. Rio Amazonas-4870, no data letter in 380d  
for 2 irc and a SS rpt. Also sent were stickers (Pagano-DC). HCBJ-  
Asst freqs, f/d cards in about a month by: Spremo-NY, Stephany-NY,  
Gilmore-MA, Dillaman-OH. Most sent either an irc or US ms.

FALKLAND ISLANDS-FIBS-Port Stanley-2370, full data card in 6 weeks.  
(Lobdell-MA). V/S-A.R. Davies.

GUYANA-GBC-5950, f/d letter in 40d for 2 irc (Card-RI).

PERU-R. Union-6115, card with date in 73d for an SS rpt, and an irc  
(Miyachi-Japan). R. Tacna-9485, full data form letter in 1 1/2 yrs after  
2 f/ups. Reports were in SS with ms. V/S-Alfonso Caceres C., Sub-  
Gerente. (Lobdell-MA). R. Imagen-5035, f/d prepared card in 641d via  
registered mail for SS rpt and ms and 2 f/ups. V/S-V. Daniel Coral  
Perez, Gte. Gral. (Wilkins-CO).

VENEZUELA-R. Rumbos-4790, f/d card in 114d for 2 irc and SS rpt (Lipman-  
NY). Same in 62d for ms and ss rpt (Streeter-NY). Same in 81d for EE rpt,  
(Hevern-NY). V/S-Andres Serrano-YV5AUU.

\*\*\*\*\*ANTARCTICA\*\*\*\*\*

R. Nacional Arcangel San Gabriel-15476, blue and white QSL in 280d for  
2 irc and an EE rpt (McLain-CA).

\*\*\*\*\*PIRATES\*\*\*\*\*

USA-KPRC-6210, date/freq card in 21d for SASE (D'Angelo-PA). Same for  
stamps in 44d (Spremo-NY). The Crystal Ship-7425, f/d card in 21d for 3  
20¢US stamps (Campbell-CT). Same in 61d for a SASE (D'Angelo-PA).

My printing of pirate station QSL cards does not mean that this editor,  
nor SPEEDX, support the actions of these stations in any way. It is done  
merely as a courtesy to members.

\*\*\*\*\*MISSORTS and\*\*\*\*\*

\*\*\*\*\*LATE ARRIVALS\*\*\*\*\*

TAIWAN-Voice of Asia-5980, Wilczek-IL. F/d card in 148d for an irc. Also  
recd were a pennant, pin book, and sked.

ALBANIA-R. Tirana-no freq card and sked after 2 rpts and 2 irc in 261d.

SOUTH AFRICA-R. Transkei-18d recd card with date/freq for 2 irc. (Brenesal-  
FL).

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\*\*\*\*\*TIP OF THE MONTH\*\*\*\*\*

This month's tip is from Lori Klosowski, and to her goes a Radio France  
Pennant. She suggests getting promotional material from local radio sta-  
tions and sending that off to the radio stations. They are interested  
in local stations, and their programming, so it may be of interest to them.  
Another idea related to this would be to send tapes of local stations to  
the station. This helps them to know exactly what other stations programs  
are like.

I ran a little short again this month and now I find my self with 2 pages to fill up. I want to wish everyone a Merry Christmas or a Happy Chanukah and also a very Happy New Year.

We had about 64 contributors this month. The QSLs from the DX season should start to roll in soon. There were some nice ones this month. I want to thank everyone who wrote to me for the letters, and it is nice to hear from you. I am sorry about the rushed look of the column this month, but I have been very busy lately. I hope to have more time next month. If there are any typo errors in the column please excuse them, and I will try to do better next time.

The Deutsche Welle f/d cards are only going to be sent out until the end of the year, so if you didn't get them yet, do so now.

The space shuttle launch of last month was delayed until Nov 28. Although it will have been launched by the time you read this, you may still be able to catch some action involving Owen Garriot, W5LFL's, amateur in space activity. For relays of shuttle audio via W5RRR try 28.6, 21.37, 14.28, 7.23, or 3.85 Mhz. For those with scanners, the freqs to be used are: Shuttle to ground-145.55, 145.53, 145.57 and ground to shuttle: 144.91, 144.93, 144.95, 144.97, 144.99, 145.01, 145.03, 145.05, 145.07, and 145.09 Mhz. He will transmit and receive on alternate minutes. If you manage to hear W5LFL direct on 2 metres, you can QSL via the ARRL.

Well, that is about it, I will fill up the rest of the space with some pictures. Please send me some more dark, high-contrast photocopies, as I want to have plenty to put here in the magazine. If you have old or rare QSLs send me some copies as I am sure that some members would love to see them. So until next month 73 and Happy Holidays.

reception of first test broadcasts!

Curacao is a favorite port-of-call for dozens of luxury liners from around the world bringing thousands of visitors to the island to enjoy its beaches, casinos, duty-free shopping and historical hi-lites.

Curacao es uno de los puertos preferidos para los cruceros del mundo, trayendo miles de visitantes a la isla para disfrutar de sus playas, casinos, compra libre de impuestos y sus puntos históricos.

This QSL Card confirms your reception of Radio Earth, via Santo Domingo on 11.7 Mhz.

Radio Earth  
Box 69  
Miami, Florida 33243 USA

THX DON HOSMER

FIRST DAY OF BROADCAST  
June 2, 1983 0330 GMT

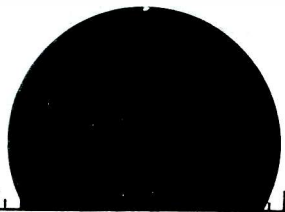
POST CARD QUANTITY OF CURACAO TRAVEL BUREAU

# World Music Radio

via Radio Dublin International

Date May 30, 1983  
Frequency 6910 kHz  
Time 01.00-02.15 GMT  
Best 73s to Peter C. Card

*Lee Alvin*  
Lee Alvin



WMR - World Music Radio thanks you for your reception report, which we are pleased to verify.

## RADIO MAYA de Barillas TGBA

Barillas  
Huehuetenango  
Guatemala, C. A.

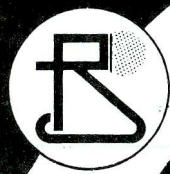
Frecuencias:  
2360 kc.  
3325 kc.

Es grato confirmar su reporte del día 16 de Diciembre de 1982, a las 05.35 horas, en la frecuencia de 3325 kc. Tuvo el gusto de escuchar el Programa transmitido en lengua Kimabal. La señal escuchada fue difundida por medio de un transmisor Minea KATES de 400W vatios de potencia, utilizando una antena Dipolo.



*Gerardo*  
Gerardo

THX  
Wilkins-Co



NEWS  
MUSIC

Wow! What a QSL!!

YOUR **QSL CARD** FROM

**RADIO JAMAHIRIYA**

INFORMATION  
CULTURE

VOICE OF THE  
SOCIALIST PEOPLE'S LIBYAN ARAB JAMAHIRIYA

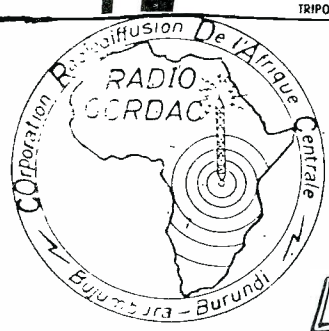
BROADCASTING DAILY IN ENGLISH ON 11816 KHz/25m  
SHORT WAVE FROM 22.30 - 24.00 HRS. G.M.T.

COMMENTS AND SUGGESTIONS ON HOW TO IMPROVE THIS  
BROADCAST ARE WELCOME. WRITE TO:

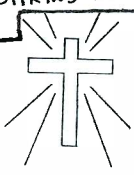
HEAD OFFICE  
RADIO JAMAHIRIYA  
P.O. BOX 333  
TRIPOLI - S.P.L.A.J.

TNX Wilkins-Co

EUROPEAN BRANCH OFFICE  
RADIO JAMAHIRIYA  
P.O. BOX 17  
MAMRUN - MALTA



CHRIST  
OFFRE LA  
REDEMPTION  
DIVINE A L  
AFRIQUE  
CENTRALE



CONFIRMS SWL REPORT OF: David B Jones  
DATE 5 25 75 TRANSMITTING ON  
TIME 0330 - 0340 GMT 3985 KHz 75 meter Band  
KHz 4900 4920 KHz 60 meter Band  
CALL LETTERS 70224 1400 KHz Medium Wave  
REMARKS Leroy Little, Tech. Dir. 93.5 MHz F. M.  
TNX 73

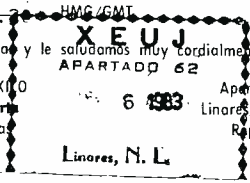
Best  
Holidays  
73  
Leon  
NZEKL

- XEUJ -

Sr. D. Carl Huffaker, Paseo de la Reforma 1020, MEXICO  
DF.

Muchos gracias por su informe de recepción. Tenemos el gusto de confirmar  
su control de nuestra emisión en 5,980 KHz.,  
de fecha 7 de Septiembre de 1983  
hora 16.00 a 17.00 HMG/GMT.

Gracias y le saludamos muy cordialmente.



RADIO EXTERIOR DE MEXICO  
- XEUJ - Onda Corta  
Acortando las distancias

6 1983

Apertado Postal No. 62  
Linares, Edo. de Nuevo Leon  
República de México

Linares, N. L.

# Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

## Technical Roundup

SPEEDX'S EQUIPMENT, RECEIVER,  
ANTENNA AND COMPUTER FORUM

PRODUCT REPORT ON THE NEW RADIO  
SHACK DX-400 PLL DIGITAL READOUT RECEIVER

by Sherman Karns, OK

Leave it to Radio Shack to come up with a new radio which has all the features of the Kenwood R-2000, plus all the receiving ability of the R-2000 for \$300.00 less.

On 9/28/83 I just purchased Radio Shack's DX-400 PLL AM/FM Direct Entry Communications Receiver. This baby will equal and in some cases outperform even the Kenwood R-2000. I did a test on 9/28/83 and 10/1/83 with my new radio against a friend of mine--Kenwood's R-2000.

The DX-400 for \$299.95 comes complete with continuous coverage from 150 kHz to 29999 kHz. It also has AM/CW/SSB and 87.4 through 108 MHz FM. There is an illuminated liquid crystal digital display and signal strength meter in addition to direct entry tuning. All you have to do is just enter the frequency you want on the keyboard and you're there. You have six AM and six FM memory channels for presetting your favorite stations. In addition, there is automatic scanning for new stations, wide and narrow selectivity as well as fine tuning for clearer AM/SSB/CW reception. Also, an antenna trimmer to adjust the AM antenna and RF gain controls of 5 db, 10 db, and 30 db to maximize signal strength and reception. It also comes with external antenna terminals and an automatic sleep button which you can use to set your radio to shut off in 10 minute intervals from 10 to 90 minutes. Furthermore, there are headphone and external speaker jacks, a DC 12 volt jack for use in your car, scanning limit buttons which set the limits of the scanning range, tone controls to adjust the tone quality of the received signal, a telescopic antenna for AM/FM reception, a light, and battery check buttons in order to check batteries in the back-up computer memory as well as power storage. It also has a stepped button. This button selects the frequency intervals on scan or manual tuning. The choice is 100 or 50 kHz on FM or 1 or 3 kHz on AM.

I have found that I have received 10 new stations in one night with this radio. The out of frequency rejection is 100%. I have received no out of frequency images in my testing. I have also found that unlike the R-2000, the DX-400 will let you receive two stations on the same frequency of different signal strengths and completely block out one or the other station. For example, by using the antenna trim, I was able to listen to Radio Polonia as well as R. Havana at 0200 on 9525 at the same time with no interference. The R-2000 could not do this. Now, this test was conducted with two separate longwires of equal length at the same location. The DX-400 also outperformed the R-2000 on scanning ability. The scanning mode on the R-2000 would come within + or -3 kHz of the actual broadcast frequency of the the station. The DX-400 on scan mode stopped everytime on the exact frequency of the station. The DX-400 also outperformed the receiving ability of the R-2000. The following list proves my point.

### SIGNAL STRENGTH ON S METER

	<u>DX-400</u>	<u>R-2000</u>
Israel Radio	10	8
RAI, Italy	3	2
RAE, Argentina	6	5
Radio Baghdad, Iraq	5	3
Radio Cairo, Egypt	9	7
USSR, Radio Moscow	30	10
Radio Prague, Czechoslovakia	3	2
Radio Sweden International	10	7
Radio Tirana, Albania	3	1
Spanish Foreign Radio, Spain	30	10
VOIRI, Iran	5	3



It's easy to see that the Radio Shack DX-400 is going to give Kenwood's R-2000 something to worry about. The DX-400 outperforms the R-2000 on the following:

1. Receiving ability and signal strength.
2. The user is able to pick up two stations with ease, with no bleedover from the other station on the same frequency.
3. Scanning to exact frequency.
4. And all this for \$300.00 less. And so simple a child can use it. Unlike the R-2000 which is somewhat harder to use.

In my opinion, the serious BCB DXer, SWDXer or even the utility scene DXer will have hours of enjoyment with this radio for hundreds of dollars less. I checked the specifications of the DX-400 and the R-2000 in all fairness. The DX-400 has better specifications in some cases while the R-2000 has better specifications in other cases. But overall, this radio will outperform or equal the R-2000 in head-to-head combat. It's your choice. But for me, and probably for many other novice or serious DXers, Radio Shack's DX-400 will be the common radio name of the future.

.....  
COMPUTERS AND RADIO FREQUENCY  
INTERFERENCE

by Morris Pfeffer, NY

The FCC is completing its phased implementation of regulations controlling RFI (radio frequency interference) from computers and peripherals. The regulations are worded so that they apply to digital products that generate timing signals or pulses equal

to or greater than 10 kHz. Computers and peripherals do not seem to be mentioned as such. The regulations have applied to new products since 1981 and apply to all products as of Oct. 1, 1983. Manufacturers have had to decide whether to retrofit older products or to let them die.

The regulations are summarized in a table that can be obtained from the editor. The full regulation is very complex and the FCC has had to issue interpretive rulings and form an advisory panel. The first thing to be noticed is the division into industrial and commercial devices (Class A) and consumer devices (Class B). This division did not come from the FCC. It came from the Office of Science and Technology (OST). The specs on Class B devices are much more stringent and more closely controlled because there will be much more equipment in consumer use than in industrial or commercial use.

Class B products must be certified by the FCC. Manufacturers must test them to ensure that they are within spec and must submit the results to the FCC. If the results are satisfactory, the FCC will issue a certification. If there are questions, the FCC can request a test sample for verification of the results. Class A products are verified only. The manufacturer must test the products but only has to submit the results on demand by the FCC. Both classes of products must have verification or certification labels on them when they are sold. FCC field offices (25) and monitoring stations (13) conduct spot checks on Class B equipment for sale in retail outlets. In 1982, about 30% of all devices checked (including items like FM receivers and cordless telephones as well as computers and peripherals) were out of compliance.

A manufacturer has to be certain that his test results would be the same as those obtained by the FCC. The FCC uses a full array of test equipment in checking devices for RFI but the actual testing is manual since they keep moving the cables. RFI levels can vary considerably depending on cable orientation. They look for the worst case situation. The FCC uses a special, custom-built dipole antenna to detect RFI from 30-1000 MHz. I infer that this type of antenna has been in such use for about 30 years. It has a VSWR no greater than about 1.5 over this frequency range except for a peak which approaches 2 at about 88 MHz. Antenna losses are no greater than 1 dB/balun over this same 30-1000 MHz range. This antenna is available from Roberts Instrument Corp. (address unknown). I shudder when I think of its probable cost. Document OST from the Office of Science and Technology gives details on setting up an FCC-type test site.

There is no clear-cut directive on classifying equipment into Classes A or B. Manufacturers have had to make their own decision as to which class to qualify products in. When there are questions, from a regulatory standpoint, about classification, the FCC has been going to OST for rulings. There are no objective reason except, perhaps, for the very important one of cost, why equipment meant for Class A use could not be certified in Class B.

The main responsibility for compliance with these regulations lies with the manufacturers. However, end users could be cited and held in violation if they know or had reason to know the equipment was not in compliance. Some of the first marketing citations from the FCC did go to end users. There is quite a lot of room for interpretation here such as whether a radio hobbyist should or should not know that some piece of equipment was in or out of compliance. The FCC holds hams responsible for a certain degree of RFI control (but hams are licensed).

Systems integrators who buy verified or certified modules (CPUs, printers, etc.) and assemble them into systems do not have to test the entire assembled system unless they have built their own chassis and added their own electronic components. The FCC position seems to be that there might be some risk that the entire system is out of compliance but it would not generally be so great as to require repeated re-testing. This seems chancy to me. My experience has always been that the whole will turn out to be greater than the sum of its parts.

The regulations might be taken to imply that, when trying to reduce the effect of existing RFI, the major effort below 30 MHz should be in shielding and isolating power lines and above 30 MHz in properly orienting cables and shielding and grounding cable, lead-ins and connectors. Reducing RFI potential in existing equipment is a chancier matter. Many of the useful approaches are hardly suitable for the quick fixes or weekend projects. Some of them are:

1. Metal-shielded cabinets. These are necessary at both ends of the cables since RFI can be shunted.
2. Special I/O bulkheads. I/O ports are a major source of RFI leakage.
3. Shielded cables. Cables can act like antennae. This is not always feasible since some cable types (e.g., ribbon cable) are not readily shieldable.
4. Filtered connectors instead of or with shielded cables. This is expensive.
5. Array capacitors at connectors instead of filters.
6. Board-level bypass capacitors. These draw problem radiation from the circuit. They have lower impedance back to the power supply.
7. Reduce current magnitude of the circuit.
8. Reduce cable and lead lengths.
9. Reduce system operating frequency.

I have seen some discussion of the FCC regulating electronic devices so as to make them less interference prone. My personal opinion is that this is unlikely. The effort put into the emission control program and regulations make it seem that this is regarded as the main chance.

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#### WHAT TO LOOK FOR IN A HOME COMPUTER?

by Ruth Hesch, NY

The September 1983 issue of CONSUMER REPORTS had a special 28 page section on home computers. It explained what they can do, 17 brands were compared, how they are being used and suggestions what to consider when buying one.

Computers suitable for use in the home cost from \$100 to \$3,000 and more. There is an illustrated article explaining the parts of the computer system, the input devices consisting of the keyboard for typing in data or commands, joysticks for games, a central processing unit containing the microprocessor; and the output devices of a monitor or TV set and printer to record on paper; and storage devices consisting of a tape recorder and disk drive.

Another article explained, "What Home Computers Can Do". This includes word-processing which eliminates the need to return a carriage, to hyphenate at the end of a line, retype an error or change what was written. Errors can be corrected before being put on paper. Letters, words, sentences and paragraphs can be added, deleted, and moved. Games are explained. Teaching programs on all educational levels give drills according to the pace of the student. The computer can be used to plot curves from data and simulate experiments. For home finance there are programs for making a budget, balancing a checkbook, keeping track of items like interest payments and charge accounts. Ways to load programs on different types of computers are explained, as well as programming and storage. There is a comparison of the Membrane, Calculator-style, Typewriter-style and Elaborate keyboards.

Hardware and software are explained as well as their differences. Note was made that in the future, Japanese computer manufacturers may make a standard cartridge to fit all cartridge-driven computers.

There is an article on how the CONSUMER REPORTS readers are using their computers and what they paid for their systems. Simple, more-versatile, bundled and unbundled systems and differences of displays are illustrated and explained. There is a chart of various computers, their costs, hardware, options, keyboards, storage, display and documentation.

Another article gives information on which computers to consider according to the needs and desires of the family. There is information on "Where And How To Buy A Computer" and a computer vocabulary guide with illustrations. The last article answers the question, "Is A Computer Hard To Learn"? The answer is, not for games and education but for sophisticated programming, yes.

The September 1983 issue of CONSUMER REPORTS is usually available in public libraries.

MORE ON THE SSB CONVERSION

by David Sharp, FL

In past months I have expressed my opinion regarding the proposed conversion to SSB by WARC. After obtaining a copy of the 1982 WRTH, and reading the article by Wim van Amstel on SSB conversion, I once again feel

compelled to express my views on this subject.

Being an avid DXer, I too am in favor of measures to reduce the severe interference problems on SW. Perhaps stations could be limited to the number of frequencies they use at one time; if Radio Moscow, the VOA, or the BFC didn't broadcast on 39 frequencies at one time, I assure you that conditions would be much more amiable to the DXer and program listener alike. Also, a uniform lowering of power would be desirable; a station broadcasting with a power of 10 kw doesn't have a chance against a powerhouse of 500 kw.

Why do I propose different solutions to the problem, a problem which has progressively gotten worse in the past few years? I do so because I feel a switch to the SSB mode will, overall, be unfeasible. While rading Mr. van Amstel's article, he says, in part, that, "A potentially large market or not, when the shortwave broadcasting scene changes over from AM to SSB transmission, listeners will have to buy a new receiver."

That statement certainly glosses the subject, doesn't it? I suppose Mr. van Amstel doesn't realize that many listeners in third world countries, let alone in developed countries, may not be able to afford those wonderful new breed of receivers. Theoretically, when new technology is introduced in the market place, the initial cost to the consumer is high, and only after a period of time will the prices lower. A case in point, no matter how old, is the introduction of AM radios. It's whimsical to think an AM receiver of the 1930's, which may have cost several hundred dollars, is out-performed by AM radios today costing 25 dollars. My point? When new SSB receivers are introduced, there will be an initial period in which many listeners will not be able to afford buying another receiver. Even Wim van Amstel alludes to this fact in the above quote.

And how about the transition period? I doubt that many third world stations will be able to convert to SSB. What would our hobby be without those wonderful Brazilian and African regionals? All we would have left are the large international broadcasters, who, for the most part have programming similar to that of local broadcasters. Many people may disagree with my view that smaller stations would shut down with a conversion to SSB. But, it is my nief that if these stations have trouble providing such picayune items as QSLs, etc., imagine what the station might do when confronted with the cost of, conversion? Many simply could not afford a switch. Of course, Mr. van Amstel is learned with this subject. But considering this affiliation with Radio Netherlands, I feel he (at least to a certain extent) ignored, or did not understand the plight of the small station, who does not have the financing of their international, high frequency brothers.

In closing, I would like to say that a switch to SSB is probably an imminent part of our hobby. But, I would like to think that station engineers, WARC officials, and other interested parties, will have the innovation to discuss other alternatives. Mr. van Amstel closes by saying "... (if) shortwave had at least some of the organization seen on the VHF FM and TV bands... then we could confidently end this story with 'and they all lived happily ever after.'" I am all for such an arrangement, but is SSB the way to do it, and will it really be an ending of 'they all lived happily ever after?' I don't think so.

.....  
TECHNOLOGY AND SHORTWAVE: As we all know, there has been great strides in computer technology and this, of course, has impacted on our hobby. But what is needed is a synthesis. This is what I am requesting. Tips and Topics is interested in articles synthesizing the hobbies of computers and shortwave. Many of us have written some very good programs that are useful to shortwave. We need articles explaining the uses and functions of such programs. Now, we all know that some programs are very long. Thus, most cannot be reproduced in this column. Such a procedure would limit the contents of this column. There is, of course, more to our hobby than computer technology. We must be fair. However, as a service, I would reproduce by xerox any program that comes my way for the general membership. After all, only those members with computers would have such a need. Furthermore, articles pertaining to hardware and interfacing devices which could incorporate computer technology into our hobby would be most welcome. Let's all contribute to this growing need in the coming months ahead. asg.

.....  
CUSTOMER SERVICE: Available from Tips and Topics for 60¢ plus a SASE are the following useful information circulars.

1. Diagram and instructions to build a Helically Wound Antenna by Bob Flick
2. Diagram and instructions to build an antenna switch by Bob Flick.
3. RFI regulation chart based on FCC standards by Morris Pfeffer
4. Computer program to plot longitude and latitude between two locations by Tony Kobylski (Each item is 60¢ to cover all processing costs.)

# Tidbits

SINPO CODE: As a new member, I may be bringing out a

Topic which has been beaten to death. I note both SPEEDX and the ASWLC uses SIO for reception reports. I always use SINPO in my logs and had to convert for my reports here. In so doing, I noted how imprecise the SIO code really is. SINPO's of 45444, 44444, 43444, 43554, 45534, 45354 etc. would probably all be reported as "about" SIO 444. But they are in fact very different. The three SINPO's 43554, 45354, and 45534 all convey very different meanings to me. The first indicates bad interference from some other station which may possibly be corrected by using a narrower filter. The second tells me there was some bad noise that I probably have to live with. The third says it was a very clear signal with noticeable fading. How do you distinguish these three with SIO ratings? As I said, I use SINPO's for my own logs. Why can't we use SINPO for club loggings. Am I missing something? What do the other members think??? (Bruce K. Opitz)

MAKING WAVES: Because radio waves travel at 186,000 miles per second and sound waves saunter along at 700 miles per hour, a broadcast voice can be heard sooner 13,000 miles away than it can be heard at the back of the room in which it originated. . . (John Gunter, NC)

PROGRAM ENDS OVER WRNO: In a letter from Esther Di Guatha, assistant to Dr. R.C. Sproul of the R.C. Sproul Study Hour, she informed me that the staff of the R.C. Sproul Study Hour staff has decided to cease broadcasting the program over WRNO. However, she did say that there is the possibility that the program may resume radio broadcasting at a future date. (What a pity! asg) (Donald McCants, AL)

MORE ON COAST GUARD HELICOPTER FREQUENCIES: Referring to the May 1981 issue on page 56, you put some good words in about Coast Guard Helicopters listing 5.694 as primary and 8.984 as secondary. This service I do spend quite a bit of time listening to but also listen in on VHF and UHF too. Not often, but at times, 5.692 and 5.696 are primaries depending on how busy a rescue turns out to be. Another frequency 5.690 is also used at times in certain areas like Chicago, IL. In this part of the country (Michigan) 5.692 is usually primary with 5.696 and 8.984 used for secondaries. On VHF 157.05 (21); 157.10 (22) and 157.15(23) are commonly used on the Great Lakes as is the Worldwide Calling/Distress Frequency 156.80 (16). On UHF, 381.0 and 381.8 are used via Detroit Air and Traverse City Air, 381.8 being used more often than the other even though both are used. (Larry A. Smith, MI., President of R.C.M.A)

SRGU REVIEW: After spending an entire weekend reading the SPEEDX Reference Guide to the Utilities, I would like to offer

the following as my review. Being looseleaf style the guide can be corrected in the future simply by sending replacement pages concerning the outdated info, errors and new information. Each section is printed with a color of its own so the reader can quickly refer to the desired section. Abbreviations are freely given out to compress information. Tables of abbreviations are easily found in the SRGU. The section on BASICS is loaded with useful info. All radio buffs, not just utility buffs would be interested in this section as it covers in great detail such topics as: spurious signals, sunspots, transmission modes, ionosphere, propagation, frequency and call letter allocations and many more. There's more to morse code than dots and dashes and this is shown in a section of its own which happens to include a very handy code chart. Although the Commercial Aeronautical section contains many outdated frequencies, it serves as an excellent example why the current SRGU format is arranged to allow for an easy update service. Readers can simply remove affected pages as the replacement pages are received. A great deal of effort went into the Single Letter HF Beacons section and those responsible deserve much appreciation for presenting the readers with a thrilling adventure of a detailed and time consuming investigation. Perhaps one of the best sections to date is the one entitled. . .United States Coast Guard. It starts with an interesting history of the USCG and later goes into the duties and problems. Detailed information is offered on aircraft, cutters and even goes as far as listing the USCG inventory. Frequency and transmission charts are given as well as coverage on other important areas of USCG communications. Tips are offered which will assist in getting more QSL's and complete addresses are given. The SPEEDX Reference Guide to the Utilities is a must for all utility buffs. Those just entering the DX hobby would find lots of enlightening material in the SRGU. I recommend SRGU to all DXers. (Ed. note: SRGU is available from headquarters for \$12 book rate or \$14 first class. Foreign—write for price. asg) (John Demmitt, PA)

NEW QSL POLICY FOR AFRTS: AFRTS no longer has the personnel to provide verification for the hundreds of reception reports they receive each month. (Melvin Flannagan, VA)

NEW 24-HOUR CLOCK: Radio Shack now offers a new LED alarm clock with 24 hour mode for "computer users, hams, SWLs, pilot." (See their 1984 catalog, p. 160. Item No. 63-760. \$14.95) (Dave Maxfield, MI)

HISTORICAL NOTE: Paris's best known monument, the Eiffel Tower, was saved from demolition in 1909 because there was an antenna, of great importance to French radio telegraphy, mounted at the top of the nearly 1000 foot high structure. (John Gunter, NC)

LAST WORD ON THE TIMEX SINCLAIR: Although I am not certain what Morris Pfeffer means by "the Timex-Sinclair does not handle negative numbers normally," he is correct that the manual has an error. If the left operand is negative, B\*\*A gives error A (instead of the error B stated in the manual). (If a numerical answer is obtained, you have forgotten to include parenthesis as discussed in my Feb. 83 Tidbits note.) (D. Wilson, CT)

FOREIGN LANGUAGE COURSES BY RADIO: When I got into shortwave, I was frustrated because so many broadcasts are in languages I can not understand. The only foreign language I speak is French, despite two years of high school Spanish. So I was pleased to find most international stations offer language courses by radio. Radio Deutsche Welle offers German-by-radio on its North American Service, Sundays UTC. DW even sends you free textbooks. Spanish Foreign Radio has Spanish (Castillian) at the end of all their Mon.-Fri. English and French language broadcasts. Radio Netherlands will have a course in Dutch beginning in January, 1984. Radio RSA has Afrikaans by Radio in their winter schedule. The courses are free. You can tape the lessons and learn at your own pace. Best of all, you gain a feeling for another country and its culture through studying its language. (Lori Klosowski)

24 HOUR CLOCK: DEMCO—a library supply house offers a very inexpensive 24-hour wall clock. The second hand jumps each second rather than move smoothly. In addition, its single regular-sized battery also makes it a winner. For more info send a SASE to Bob Fraser, 50 Todd Road, Chhasset, MA 02025. (Bob Fraser).

APOLOGIES TO CRB RESEARCH: Several months ago a member wrote telling how this publication house is not processing its paid orders. This is not true. The problem lies in the fact that books are not allowed to be sent to individuals in correctional institutions by mail. CRB Research is a very reliable business firm and I hardly apologize for any misunderstanding. Please members, do business with this up-standing company. Thank you. asg.

WYFR 10th ANNIVERSARY QSL CARD: WYFR has a special anniversary QSL card for listeners who send reception reports between Nov. 6, 1983 and March 4, 1984. In addition, they are also offering a colorful bumper sticker. (Michael Schulsinger, OH)

UBIX: Universal Amateur Radio, Inc., is now offering a computer bulletin board for modem hookup. Its menu offers shortwave news and tips to anyone. You can access this board at 614 866 4392. The SYSOP is of course our own Fred Osterman. (Direct)

NEW QSLs FROM FEBC: The FEBC is offering a new series of QSLs in full color entitled "The Fabulous Philippines." The new QSL cards will be sent by airmail to all those who include several IRC's along with their reception reports. (Direct)

RADIO EARTH: "The World" will no longer be broadcast over R. Clarin. But starting as of October 31, 1983, it will be heard over WRNO at 0400 GMT on 6185 kHz every night of the week. Rudy Espinal's popular "This is the Caribbean" show will continue to be a regular portion of the program. Dave Monson's popular commentaries will continue to be aired every Tuesday. Their new address is Radio Earth, Box 69, Miami, Florida 33243 USA. (Via Jeff White, General Manager)

VOA MAGAZINE: According to a letter from the USIA, their new popular magazine will not be sent to American citizens living within the U.S., its territories or possessions. The magazine is only for overseas listeners. (Via Don McCants, AL)

COMPUTER INTERFACES FOR UTE PURPOSES: Recent advertising columns in QST and other "hamzines" offer a variety of interfaces that will permit UTE SWLs to team their receivers with personal computers to translate CW, ASCII and RTTY. Some of these interfaces are quite expensive, but a few—most notably the MFJ-1225 (\$69.95)—are not. (Dave Maxfield, MI)

CHANGES AT SWEDEN'S MAILBAG: Mailbag on Radio Sweden will lose its regular host for six months but during his absence good ole Sidney his faithful co-worker will man the mailbag program. Sidney asks for lots of questions on his favorite subject—sports. (John Demmitt, PA)

FREE BOOKLET: The Electra Company has published a booklet entitled "Dial in the World as Easy as Dialing a Phone." The book is designed to provide existing and potential new listeners a quick, digestible overview of shortwave radio. Included are sections on antennas, propagation, reception reports, and even a handy chart for converting local time to Greenwich Mean Time. But the centerpiece of the booklet is an hour by hour listing of English language programs that can be heard in North America, with frequency and station info from more than 50 countries. So if the listener wishes to dial in a newscast from the BBC or the Voice of Nigeria, they need only consult the station guide for when to tune in. A free copy of "Dial in the World as Easy as Dialing a Phone" can be obtained by writing to Electra Shortwave Booklet, 300 East County Line Road, Cumberland, Indiana 46229.

NO QSLs FROM AFRTS Jack C. Giles, Chief of the Radio Division at AFRTS announced, in a form letter that AFRTS will no longer QSL reception reports from America because of budget cuts. The announcement was sent with a QSL! (John Demmitt, PA)

MERRY CHRISTMAS, HAPPY CHANUKKAH AND A VERY HAPPY NEW YEAR TO ALL MEMBERS BOTH NEW AND OLD. AND MAY THE COMING YEAR BE ONE OF PEACE AND HAPPINESS TO ALL THE WORLD AND TO EACH OF US INDIVIDUALLY. 73's, *Andrew H. Ford*

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DECEMBER 1983

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7	ADAMS, ROBERT	MA R2000	2	KRATTER, JULIAN	NY
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3	ALEXANDER, BRIAN	PA	4	LANGLOIS, HAROLD	SA
1	ALEXANDER, RODNEY	IA IC-R70	2	LEARY, ROBERT	OH FR67700
4	ALEXANDER, SAM	NC DX302	1	LEEMAN, JOSEPH	RI
4	BAKER, DONALD	DE	2	LEITE, STEVE	MA HQ1800A
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1	BELSHAUS, FRED	NJ	2	LIEVIN, JAY	NJ FR67700
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3	BRENEGAL, BARRY	FL	1	MAXFIELD, DAVE	MI NRD505
6	BREWER, DON	AR R1000	1	MELLINGER, CRAIG	NJ
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8	CARD, PETER	RI NRD505	4	MUZYKA, WILLIAM	NY RF4900
4	CASAVANT, RICHARD	GU	3	MCCANTS, DONALD	AL RF2200
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2	CEREGHIN, JOHN	MD	9	McKEON, THOMAS	IN R1000
1	CHABAK, MIKE	AZ	2	McLAIN, LOIS	CA
6	CHICKERELL, LARRY	WV DX400	1	NEAL, SAM	TX RBC5
1	CHINSKY, MARK	NY RF2600	1	OSTERMAN, FREDERICK	OH NRD515
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2	CONWAY, PETER	UK 51J-4	1	PETERSON, ADRIAN	IA
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1	DEINET, A.J.	NJ NRD515	3	RAY, RICHARD	PA FR67700
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4	DESROSIERS, ROBERT	MA IC-R70	3	RITT, ARNOLD	VA ICF2001
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4	DUNCAN, GREGORY	NC	3	SHARP, DAVID	FL HQ129X
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2	ESTES, WILLIAM	MS	1	SHAW, STANFORD	CA
1	EVANS, JIM	TN RF2200	1	SHEEDY, DANIEL	CA
4	FAMILARO, RALPH	NJ RF2800	1	SHIMADA, SENSU	JP FR67700
3	FARLEY, JOSEPH	IL	1	SHOCKLEY, MIKE	OK
4	FISHER, JOHN	MA	3	SMITH, TRAYER	CA ICF2001
3	FLANAGAN, MELVIN	VA	4	SMITH, WOODY	TN
1	FLEMING, TOM	FL TS-430S	1	SOMERS, JACK	CA
1	FORREBT, FRANK	CA	8	SOOMRE, EDWARD	MA R1000
5	FRASER, BOB	MA XCR30	5	SPEER, RICHARD	CA RF2900
1	GANNIE, CHARLES	MI R1000	1	SPRAKER, DAVID	NY
1	GANNON, ROGER	AA	4	SPREMO, ALFRED	NY FR67700
6	GARRETT, LARRY	CA	7	STANLEY, TREVOR	AZ NRD515

1	GEORGE, CHARLES	TX SSR1	5	STEIN, RICKEY	NJ FRG7700
6	GILMORE, RICHARD	MA S20A	5	STEPHANY, NOLAN	NY R392
5	GILSTER, PAUL	NC ICF2001	1	STINER, ROLAND	NY FRG7000
1	GONZALEZ, FERNANDO	NY FRG7	3	STONE, WILF	ON
1	GUNTER, JOHN	NC R1000	1	STREETER, ROBERT	NY
1	HALL, STU	CA DX300	2	SWINN, ROBERT	CA FRG7700
1	HARRIS, MIKE	FL DX302	5	SZABO, PETER	KS
1	HARTUNG, JAMES	MD R7/DR7	6	TALBOT, JOE	AB R1000
1	HAUSER, GLENN	TN	4	TANAKA, MASAHIKO	JP R1000
1	HEATON, JOHN	FL	3	TAYLOR, LYLE	SD FRG7700
1	HEIN, DONALD	PA	4	THIM, WILLIAM	CT R1000
8	HENAULT, JOHN	MA DX400	1	THOMPSON, GLENN	NM FRG7
4	HESCH, RUTH	NY R1000	6	THOMPSON, PEGGY	CA
3	HEVERN, VINCENT	NY ICF2001	5	THUNBERG, BOB	PA SSR1
4	HILL, ELAINE	SC FRG7700	4	TIMOFEEV, ALEXANDER	FG ICF2001
1	HODGSON, CHARLES	SA	3	TRENT, JOHN	AK RF2900
1	HOLBROOK, HANK	MD HQ129	1	UERLINGS, JAMES	OR
1	HOSMER, DON	MI R2000	4	ULMER, DOUG	LA R1000
3	HOTALING, STAN	NV RF2800	2	WEIKEL, FRANK	MI S-38E
4	HOWARD, ROBERTA	MO	3	WELCH, FRANK	MA ICF6800W
3	HUFFAKER, CARL	MX	2	WHITE, CLARENCE	KS R4B
2	HULL, DICK	WA	5	WILCZEK, BOB	IL
2	JOHNSON, DON	CA	1	WILKINS, JOHN	CO R1000
3	JOHNSON, FRED	IL RF2200	1	WILKNER, ROBERT	FL
4	JONES, BRIAN	TX IC-R70	2	WILLIAMS, JOHN	MN
1	JONES, DAVID	VA	1	WILSON, DAVID	CT
1	JONES, JACK	MS	3	WIMMERS, BERNIE	VA
1	KAPINOS, JOHN	MA R2000	4	WITTE, MARJORIE	CA FRG7
4	KARNS II, SHERMAN	OK DX100	2	WOLOCH, G. MICHAEL	GU SPR4
1	KEPHART, TOM	MI RF2600	1	WOROB, PHILIP	TX DX160
4	KERRIGAN, PATRICK	IL R1000	1	YAJKO, ROBERT	PA
1	KLASEK, TERRY	MO HQ180A	1	YONEDA, TAKESHI	JP FRG7700
6	KLOSOWSKI, LORI	FL	7	ZILMER, ROBERT	WI
2	KOSUGIDA, SHINICHI	JP R300	7	ZIMMERMANN, DIRK	FG

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:  
PROGRAM PANORAMA

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:  
EUROPE / SPEEDX-BRAM

*Just a couple of quick notes...I am temporarily going to drop the contributors information from the address labels. With the new job and lack of time I now have for SPEEDX, I just have not had the time to get the problems fixed. As soon as I do the labels will be re-instated. See page 9 for more info...And now, onto the ads via David Sharp.... (jrt)*

Wanted: Drake MS-4 outboard speaker in exc/mint condition. Please contact Joseph H. Brewer, Jr., 4252 St. Clair Ave, Studio City, CA 91604

Wanted: Manual and/or schematic for the Harvey Wells MTR-2632 Marine Radio. Contact: Jim Countermarsh, 16 Mary Street, Springfield, VT 05156.

For Sale: ICOM IC-R70, mint, AM passband tuning realigned-factory checked, with all packing, manual, 530.00 plus shipping and insurance, Ronald Pokatiloff, 2661 Sheridan, Zion, IL 60099; 312-872-3633

For Sale: FRG-7 modified with a 4kHz and 2.4 kHz ceramic filter. Also mod. AGC plus a GAR-7 4 digit readout. Both in mint condition, 350.00. Gary Hickerson, P.O. Box 3135, Ft. Smith, Ark. 72913. 918-626-3945 after 5p.m. CDT

For Sale: RT-77/GRC-9 Backpack transceiver, 2-12 MHz, AM/CW/MCW, with transit case, power cable and connectors, telephone style handset, ext. speaker and operator's manual. Used, working and in good condition, 80.00+ shipping. AN/GRR-5, 1.5-18 MHz rcvr, inc. power supply, canvas cover, vehicle shock mount, etc. Used, works great for home of campsite DX, 175.00+ shipping. Trades considered. Michael Nowicki, Box 32215, San Jose, CA 95152. 408-272-8811

For Sale: Sony 2001, used 1yr, 150.00. CB 40 channel handheld, 100.00. CB 40 channel mobile rig, 50.00. Radio Shack DX-60 rcvr, 45.00. Ten-Tec Century 21 CW only ham bands transceiver, 250.00. MPK audio CW filter, 15.00. Hitachi SW-LW-MW rcvr, poor condition, 10.00. Call, write, or check into net. Thomas P. Sable, WD6FZN, 2502 Belmont Ave, Bronx, NY 10458, 212-365-8752. 14280 IMRA net 2-3p.m. EDT or EST.

For Sale: Sony 2001, exc condition and in original carton w/manual, 115.00. Palomar P-308 preamplifier (AC version) in exc condition, 75.00. Edward Pyatt, 1870-A2 Myrtle Dr, S.W.; Atlanta, GA 30311. (404) 758-9513.

THE OFFICIAL DX MAGAZINE PUBLISHED MONTHLY BY SPEEDX

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**I N D E X**

SPEEDX SPOTLIGHTS.....	DAVID SHARP	2
DX MONTAGE.....	DAVID SHARP	3
PROGRAM PANORAMA.....	WOODY SEYMOUR	6
DREAM RECEIVER OF THE 30's.....	RUSS MAPPIN	8
SWBC WESTERN HEMISPHERE.....	JOHN CERECHIN	10
EUROPE.....	DANIEL SAMPSON	17
AFRICA.....	MARK KOUKOL	23
ASIA/OCEANIA.....	BOB THURBERG	--
STATION SKEWS.....	CHRIS LOBDELL	29
UTILITY SCENE.....	MIKE CHABAK	32
QSL REPORTS.....	LEON KANDPKA	41
TIPS & TOPICS.....	ART GETZEL	48
CONTRIBUTORS LIST.....	JOHN TRAUTSCHOLD	54

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