

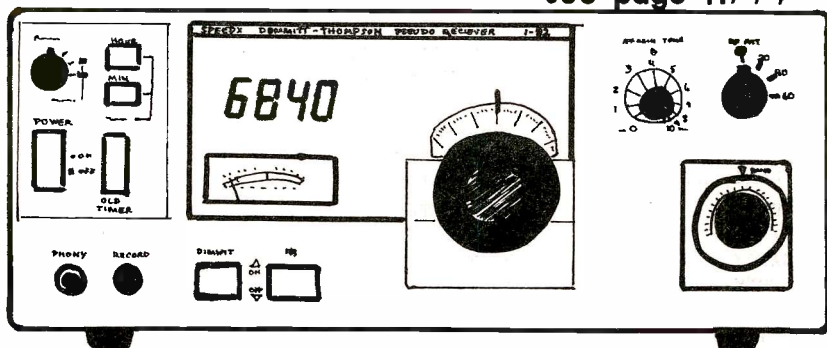
SPEEDX

SPEEDX

the dx radio magazine
for active shortwave listeners

00848 20236 78483 15471 13858 67836 ...
ATTENTION! ATTENTION! DUE TO CUTS IN FUNDING,
THIS STATION REGRETS HAVING TO MAKE
CUTS IN ITS PROGRAMMING ... 2526
2891 2163 7794 2706 0848 7388 ...

**UTILITY
DXer's!
IT'S HERE!**
see page 41, , ,



February 1983

VOL 13 - 2

SOME WELL WORN WORDS OF WISDOM FROM SPEEDX

Sincere congratulations to the tried-and-true triad who have achieved Full Membership in SPEEDX. You've earned it, and you have every right to be proud. First of all, frame that handsome Certificate and hang it on the wall of your shack. Secondly, carefully read your copy of the SPEEDX Constitution; it's worthy of your study. In the third place (and this is the way you prove you're a real SPEEDXer), fire up your receiver, make your loggings, and send in those reports! That way you can hang onto your Full Membership and help your fellow SPEEDXers at the same time.

AND AN EQUALLY SINCERE WELCOME to "Fine Fifty-Nine" who are just now getting their feet wet! SPEEDX is a Club for every level of SWL/DXers from tyro to pro and the pages of this magazine offer a number of ways for you to improve yourself in your hobby.

Although there are only three new Full Members listed this month, it's not as hard to become one as this small number might indicate. The route is mapped out for you in your Membership Packet, and you can travel it at a high speed if you'll start sending in your loggings, QSL reports, station skeds, and other items of interest to your fellow members. At the top of each column, you'll find the name and address of the Editor. Everything you send must be in the Editor's hands by the 12th of the month. If you're submitting material to a number of Editors, you can save a lot of stamps by sending everything to the Central Distribution Editor, Peggy Thompson, 2706 Alabama St., La Crescenta, CA 91214. Her deadline's the 7th of the month. From here on in, my friends, it's up to you!

'DON'T FAKE IT,' SAYS SPEEDX MANAGING EDITOR

Recently, some fictitious reports have been sent in to SPEEDX, according to Larry Talbot, the Managing Editor. Several of these reports have appeared in different sections of our bulletin. Perhaps someone thought that it would be cute to try to trip-up our Section Editors. It wasn't.

All of the Editors work extremely hard to produce a quality Section month after month, for the use and enjoyment of the SPEEDX membership. No Editor knowingly will belittle or omit an honest logging. Occasionally, an Editor can make a constructive comment regarding a possible error. That what they are there for.

It's impossible to expect the Editors to catch everything. To deliberately send in erroneous material is stupid. The whole Club is hurt by this. You can count on one finger the number of members who think this is funny.

I would like to thank the Editors and the 1,000-plus real members who work hard every month to make SPEEDX the great Club that it is. Nuf said. L.T.

NURDS ARE FOR-REAL -- IS 'NURDX'?

In the Dec. 1982 "Keynotes" we publicized the "National Union of Radio DXers" and gave this alleged club a Billings, MT address. ASWLC ran a similar notice, but with a different address. Now we have a letter from that addressee--Thomas B. Alleman, the Editor of NASWA UPDATE. He asks that we run the following Notice: "A recent announcement concerning the 'National Union of Radio DXers' has appeared in various hobby publications giving my name as a mail drop. Please be advised that I am not affiliated in any way with the 'National Union' and in fact do not have any knowledge as to whether such a club exists. In any event, those interested in such an organization, whether real or faked, should not contact me for information, sample bulletins or other material. Thank you."

At least one SPEEDX and ASWLC member wrote to the NASWA Editor. He was "conned" by the item in ASWLC. As to the item in this column, it may be either right or wrong. We just don't know. It could have been sent in by a "nurd", not by a "NURDXer". Anyway, we're not about to repeat it!

NOW THERE'S A 'HAM' CLUB FOR SENIOR CITIZENS

SPEEDXer John Demitt, PA, sends news of the Senior Citizens Amateur Radio Society which welcomes SWLers into its ranks. To join, you must be a Senior Citizen, but not necessarily a Ham. Plain old Golden Agers get in for \$15 plus yearly dues of \$2.00. War Vets get in for \$10 plus \$1.00 dues, and Handicapped Amateurs pay absolutely nothing! SCARS has its own monthly magazine, "Mike 'n Key", the usual amenities, an Annual Society Hamfest, and free lodging when you visit Ithaca, NY. For a Membership Application write to SCARS, P.O. Box 6631, Ithaca, NY 14850. Oh yes, for \$100 you get a Life Membership and never get billed for dues!

A QUICK NOTE FROM 'PERKY PEGGY', WELL-KNOWN C.D.E.

To those who have been agonizing in suspense over the outcome of Central Distribution Editor Peggy Thompson's "letter to Santa", she reports, "Oh boy!! The CDE got a paper cutter for Christmas!" Good news, indeed, but she'll be even happier if you all cut your loggings apart before sending them to her. (And if you mail them directly to the appropriate Editor, cut 'em up, too.)

SPEEDXGRAM IS 'FUSTEST WID DE MOSTEST'

We agree with most other SPEEDXers that this is a great magazine. BUT, it only comes out once-a-month. If you want to get your hot little hands on mid-month loggings, you can't find a better source than the SPEEDXGRAM for listings to supplement your SPEEDX publication. For a year of this super-service, just make out your check for US\$4 (in NA) or US\$6 (elsewhere) to Bob Bodell, 9118 S. E. Mason Hill Dr., Portland, OR 97222, USA. (He'll also accept 30 IRCs from outside NA.)

NEWS OF ICOM-R70 RELAYED BY 'VIVACIOUS-VERA'

Our vivacious Membership Chairman, Vera Crable, passes along the word from Ozark Mt. DX Club's Mitch Sams that two of our members bought the new ICOM-R70 receiver at an unbelievably low price at Mike's Electronics, 1041 W. Commercial Blvd., Ft. Lauderdale, FL 33309. Want one? Check them out.

T-SHIRT HAPPY? GET ONE FROM RADIO SWEDEN

Radio Sweden has sent out more than 15,000 of their "Keep In Touch" T-shirts in the interval since they were introduced two years ago, according to a clipping sent us by David Claytor, MI. Shown on an attractive "saftig" model, these T-shirts sell for US\$ 6.00, DEM 15.- or GBP 3.00. Sizes run from extra small to extra extra large and R Sweden admits these sizes are smaller than you would expect. If you're in the market, order a larger one than you'd normally buy. Send an international money order, Swedish postal giro account number 30690-2, internationally negotiable cheque, or 13 IRCs to Radio Sweden International, S-106 10, Stockholm, Sweden.

A FEW DX-302 RECEIVERS STILL AVAILABLE, IF YOU'RE INTERESTED

John Williams, MN, sends word that the Radio Shack manager in Bloomington tells him that 200 DX-302s have been shipped from the Texas warehouse to their stores throughout the system and now are on closeout sale for \$249.95. Our neighbor is happy with his, and you might be, too.

LIKE GARAGE SALES? RADIO WEST HAS 'EM

On the first of every month, Radio West prints its current Garage Sale list. You can get your copy for free by sending a self-addressed stamped envelope to Radio West, 3417 Purer Rd., Escondido, CA 92025, USA. Just tell Grant Manning that you read about it in SPEEDX.

LESS THAN A LINE TELLS HIS STORY

Being a wordsmith of sorts, and an Editor who can't abide the sight of a lot of blank space on a postcard, we were real shook-up when a card arrived from Klaus-Dieter Scholz with less than a line of typing on it. On the message side he wrote exactly this: "exchange picture postcards and IRCs." That's all; terse, concise, and it told his story! If you want to swap with him, the address is: Postfach 109, DDR - 5062 Erfurt, German Democratic Republic.

AWR-ASIA COMBINES SKED/CALENDAR

The current AWR-Asia schedule, listing both English and Indian languages programs, is printed on the back of a 1983 calendar -- or vice versa. In these days, when free calendars are as rare as hen's teeth, both sides are of value. The schedule is that of SLBC - Sri Lanka. The calendar is of the standard Gregorian type. Program times are given in Indian Standard Time so most of us will have to "translate". For your copy, write to the Adventist World Radio, Box 15, Poona 411 001, India. And mention SPEEDX.

GALAXY ELECTRONICS OFFERS NEW CATALOG

SPEEDXer Robert A. Leary, a brand new Full Member, and President of Galaxy Electronics, has a new discount catalog out offering a variety of SW receivers, scanners, frequency directories, and cordless telephones. When you write him, ask for Discount Catalog No. 183. Galaxy's address is: Box 1202, 67 Eber Ave., Akron, OH 44309, USA. Mention SPEEDX, too!

END of space; end of message -- except

→ 3, /Kaw

PROGRAM

FEBRUARY 1983

WOODY SEYMOUR, JR.
P. O. BOX 848
SANFORD, NC 27330

PANORAMA

ALBANIA...Here is the English schedule for Radio Tirana to North America--Times are 0000, 0130, 0230 and 0330 UTC. Daily features are NEWS, COMMENTARY, POLITICAL FEATURE or ARTICLE FROM ALBANIAN NEWSPAPER. Mon (all transmissions): MARXIST-LENINIST MOVEMENT GROWING IN SCOPE AND STRENGTH; Tue 0000 & 0230: EXPERIENCE OF THE REVOLUTION and SOCIAL CONSTRUCTION IN ALBANIA; 0130 & 0330: WHAT WE SAW IN SOCIALIST ALBANIA; Wed 0000 & 0230: ALBANIA IN THE SEVENTH 5-YEAR PLAN; 0130 & 0330: MARXIST-LENINIST PARTY, THE LEADING FORCE OF THE REVOLUTIONARY MOVEMENT TODAY; Thu 0000 & 0230: STRUGGLE FOR NATIONAL AND SOCIAL LIBERATION or FRIENDS ABOUT ALBANIA; 0130 & 0330: POLITICAL TALK or COMMENTARY ABOUT CURRENT EVENTS; Fri 0000 & 0230: FEATURE ABOUT SOCIALIST ALBANIA; 0130 & 0330: ANSWERS TO YOUR QUESTIONS, LOOKING THROUGH THE MARXIST-LENINIST PRESS or EXTRACTS OF HOXHA; Sat 0000 & 0230: THE MUSICAL PAGE; 0130 & 0330: FOR A MILITANT AND REVOLUTIONARY CULTURE AND ART or SUMMARY OF THE WEEK'S POLITICAL EVENTS; Sun 0000 & 0230: INTRODUCTION TO THE SOCIALIST ALBANIA; 0130 & 0330: MARXISM-LENINISM, AN EVER YOUNG AND SCIENTIFIC DOCTRINE or FRIENDS ABOUT ALBANIA. (IPG via Bowden, Nov DX Ont. in Review of International Broadcasting, #72, January 1983)

ECUADOR...HCJB is experimenting with a new service to India. From January 1 to March 5, 1983, they will transmit QUITO CALLING INDIA from 1200-1230 UTC on 15375. The program will consist of NEWS, SPECIAL FEATURES and MUSIC. Reports from the target area will receive a special offer to be announced during the broadcasts. (Thanks to W.P. Muzyka, NY, John Demmitt, PA and Chris Stark, NB for HCJB info.)

INDONESIA...The Voice of Indonesia broadcasts in English twice daily^(6:00-6:30). Each transmission begins with NEWS and ends with NEWS IN BRIEF. The hour-long transmissions are broadcast on 11790 and 15150 kHz. At 0100 UTC, you can hear the following feature programs: Mon SPORTS HIGHLIGHTS, POPULAR INSTRUMENTAL, ALL ABOUT INDONESIA, INDONESIAN POP SONGS; Tue COMMENTARY, VOCAL PROGRAM, NEIGHBOURS, KERONCONG MUSIC; Wed PRESS COMMENTS, JAZZ PARADE, TOURISM, INDONESIAN MELODIES; Thu INDONESIA AND THE WORLD, MUSIC MISCELLANY, WOMEN'S WORLD, INDONESIAN FOLK SONGS; Fri TALK ON ECONOMY, VOCAL PROGRAMS, INDONESIA: MY COUNTRY AND MY PEOPLE, KERONCONG MUSIC; Sat PRESS COMMENTS, MUSIC FOR MILLIONS, LET'S SPEAK BAHASA INDONESIA, INDONESIAN VOCALIST; Sun SUNDAY SPECIAL, LISTENERS MAILBAG, INDONESIAN POPULAR GROUPS. The 0800 UTC transmission has the same feature programs as the earlier one each day, except that POPULAR INDONESIAN MUSIC is heard daily in place of the first musical program of the day, while INDONESIAN REGIONAL MUSIC is heard on Mon, Wed, Thu, Sat, Sun in place of the final musical program of the day. Also, THE WEEK IN REVIEW is heard during the 0800 Sat broadcast in place of the PRESS COMMENTS heard during the 0100 transmission. (Wayne Hensley, TX; Kraig W. Krist, VA)

JAPAN...Radio Japan broadcasts CROSSCURRENTS during its Mon English transmissions to various regions of the world. Topics for upcoming months include: February--A Way Out of Hunger (in relation to NHK's overseas charity drive); March--What I Feel About the Japanese; April--Thoughts About "Conservation of Nature". You should send your thoughts in about 400 words to Radio Japan on these topics prior to the months they are featured. (Michael Moore, TX; Kraig Krist, VA)

NETHERLANDS...Here is the current English program schedule for Radio Netherlands: Weekdays begin with WORLD NEWS and NEWSLINE. Feature programs are Mon THE MONDAY REPORT (Arts, Economics, Politics, Science and More!); Tue TALKING TO features interviews with Dutch men and women of prominence; Wed THE WEDNESDAY REPORT (like Mon program in style); Thu MEDIA NETWORK (communications program); Fri THE FRIDAY

NETHERLANDS(Cont.)...REPORT(news and views; includes "A Dutch View" in which a member of the newsroom staff develops a theme currently under discussion in the Dutch media); Sat SHORTWAVE FEEDBACK(listener contact program--features telephone comments from listeners); Sun HAPPY STATION. (Steve Sienicki, NJ) Program guides now on request.(WS)

NICARAGUA...The Voice of Nicaragua now broadcasts English newscasts in its 0700-0600 UTC transmission on 5955 kHz. The timing of the English segments vary, but they have been heard hourly starting @ 15 to 35 minutes past the hour. The newscasts last for approximately 10 minutes. Content bears a similarity to Radio Havana. (WS)

SOUTH AFRICA...Radio RSA broadcasts in English to North America nightly from 0200 to 0257 UTC on 15325, 11730, 9615 and 5980(reportedly dropped). Programs begin with NEWS, followed by(all days are UTC): Mon MEDIA REVIEW, CONVERSATION CORNER, P.O. BOX 4559; Tue COMMENT, AFRICA TODAY(including BUSINESS FRONT and INTERACTION); Wed COMMENT, AFRICA TODAY(including TALKING POINT); Thu COMMENT, AFRICA TODAY(including UNDER THE SOUTHERN CROSS, QUESTION TIME, OUR WILD HERITAGE); Fri COMMENT, AFRICA TODAY(including SPECIAL REPORT and SCIENCE WORLD); Sat SPOTLIGHT, AFRICA TODAY(including LOOKING INTO AFRICA and THIS IS SOUTH AFRICA); Sun SATURDAY NIGHT RSA, TOURING RSA, DX CORNER. (David Claytor, MI; Kraig Krist, VA; Chris Stark, NB; unmarked sked sent via CDE Peggy Thompson)



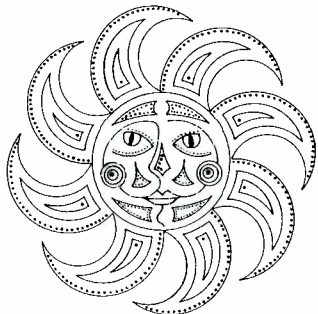
UNITED ARAB EMIRATES...UAE Radio in Dubai broadcasts in English daily at 0330, 0530, 1030 and 1615 UTC on frequencies in the 13, 16, 19 and 25 meter bands. The English news is relayed from the domestic FM Service and the feature programs deal with Arab life, history and culture, both past and present. They hope to expand the English Service in the future. (Chris Stark, NB)

UNITED KINGDOM...JAZZ FOR THE ASKING returns this month. Hear requests from all over the world Tue 0630, Wed 2130, Fri 1215 UTC.....ENGLISH BY RADIO has a program in English for Latin America Mon-Sat at 2315 UTC on 15390 and 11820. Programs are of 15 minutes duration and include: Mon IMPROVISATIONS; Tue CAN I HELP YOU?; Wed ARE YOU READY?; Thu CHANGING SCENES; Fri ENGLISH FOR INTERNATIONAL COOPERATION; Sat PEDAGOGICAL POP(a unique program in which the lyrics of a current pop song are explained--might be useful to all of us--hi.). Tune in for an interesting listening experience. (BBC London Calling, 2/83)

UN...United Nations Radio broadcasts English programming on a regular basis as follows: NEWS at 1832 UTC Mon-Fri on 15360, 18782.5, 15120, 21710 and 20060; at 1930 UTC Fri only, SCOPE/WEEK AT THE UN is scheduled, while you can hear WOMEN/UN RADIO CLUB monthly at 1945 UTC. Frequencies are the same as those used at 1832; CARIBBEAN NEWS MAGAZINE can be heard Mon-Fri from 2100 to 2130 UTC on 15120 and 17730; UN AFRICA can be heard at 0215 UTC Tue-Sat on 6035, 10869, 15435, 15752. It is repeated at 0545 UTC the same days on 11740 and 15105; at 0710 UTC, you can hear a NEWS SUMMARY in English, with UN AFRICA at 0800, both on Tue-Sat on 11740, 15120; a NEWS MAGAZINE can be heard Tue-Fri and UN CALLING ASIA on Sat at 1015 UTC on 9565, 13860, 15250. A complete UN Radio schedule is available on request. (Jerry Blake, IN)

USA...The Voice of America's BREAKFAST SHOW has regained its former amount of time(lost with the debut of DAYBREAK, an all-talk news program). THE BREAKFAST SHOW can now be heard after the news on the hour from 0300-0700 UTC to Europe and at other times to other parts of the world. (Chris Stark, NB) DAYBREAK is no more. (WS).....WINB is now broadcasting TALK BACK WITH BOB LARSON, a nationwide call-in and discussion program via satellite on 15185 from 2100 to 2200 UTC Mon-Fri. Topics include video games, cults, rock music and drugs. (Don McCants, AL) WINB broadcasts to South America 2347-0330 UTC on 15745. Programming is mostly in English. (Chris Stark, NB) WYFR has a new program magazine available on request. Write to Family Radio in Oakland, CA 94621 for your copy. (Thanks to Lyle Taylor, AZ; Kraig Krist, VA; Don McCants, AL; Chris Stark, NB for information on WYFR)

We'll have to leave USSR for next month. Good listening! ^{WS} 1/20/83



SPEEDX

Western Hemisphere

EDITOR: Chris Hansen

P.O. BOX 1226
NEW YORK, NY 10159

PHONE: (212) 549-6613 2330-0430 WEEKDAYS
ANY DECENT TIME WEEKENDS

Deadline: 12th

All times and dates UTC. All fqys in kHz

AN ANNOUNCEMENT

After much contemplation and thought, I have come to the conclusion that the time has come to pass the torch on to another. Therefore, I am leaving all my posts with SPEEDX and NASWA. Within a few months, a new W/H editor will be appointed; although I will serve out my term as a Director and Vice President of SPEEDX, I will not be a candidate for re-election. I have already left my post as SWC Editor of NASWA.

Why am I taking this step now? There are a multitude of reasons, but I will enumerate a few for you -- I feel that the membership deserves an explanation.

- 1) I've done my time. I have been editing, for one or the other of the three major shortwave club bulletins, for nearly ten years, with only a short break. While I enjoy editing in and of itself, the ancillary functions (i.e., answering the fevered complaints of readers, sorting loggings, keeping the middle weekends of the month free for editing, and the like) are getting me down. It's a difficult task, as any editor or former editor will tell you. It's a rewarding job. But, as with all pleasurable tasks, it takes its toll.
- 2) I believe that it's time for a fresh outlook on this column. Many people have told me that I do an excellent job on this column -- in fact, this week I got a letter from a SPEEDXer who congratulated me on my handling of the column because I am literate -- thank you very much, sir! However, I have been editing this column for 5 years (this month completes my fifth year), and I believe that I have said everything that I can say about my subject. It's time for me to move on.
- 3) Some of the fighting that's been going on between myself and those who disagree with my positions on various things has depressed me deeply. I have been castigated by DXers for being too soft on the novice-type loggings; I have been dragged over the coals by the SWLs who accuse me of being an incorrigible elitist; I have been excoriated by those who disagree with my policy on "hobby-pirate" broadcasts. Finally, the adolescent who has bombarded my mailbox with brochures for, among other items, a miniature trampoline, a wheelchair, and several brands of hearing-aids (his idea of humor, I suppose), has shown me that the path I've taken: the path of most-resistance, I guess, is dangerous and troublesome, not only to others, but to me. Not only can't one fool all the people all the time, but one can't please them all at any time. I no longer have the heart to continue trying.
- 4) I'd love to get back to DXing again. It seems that I have been a charter member of Alan Brooks' DX club, "X-DX." You become a member by becoming an editor for a DX club. They throw you out if you turn on a receiver. I'd like to be an "Ex-X-DXer."

And so it goes. I am sure that the Managing Editor and Publisher will select a very capable editor. I am sure that the membership will select a capable replacement for me on the Board of Directors. I will continue to take an active interest in SPEEDX -- I will still offer my services as a questionnaire designer and "research coordinator," to help the Board of Directors choose options for SPEEDX's future. I might write an article or two for Tips and Topics. So, don't forget me! In ten years or so, perhaps I'll be back as an editor.

Finally, thank you for your support of W/H over these five years. When I look back on my first column, in March of 1978, I am so surprised that I was permitted to continue as Editor. Your support, more than my editing, has made Western Hemisphere a (mostly) reliable DX source, and a guide for listening for more than 1000 people.

FELLOW SPEEDX DIRECTOR CHRIS LOBDELL forwarded the following information on the new Colombian station Emisora Armonias del Caquetá (what a lovely name: Station Caqueta Harmonies! ch). The information is taken from a recent letter and verification Chris received.

Emisora Armonias del Caquetá is a new station in Florencia, inaugurated on November 23, 1982. Padre Alvaro Serna Alzate writes the following about the station:

The frequencies used are 970 MW with 30 kW and 4915 kHz SW with 3 kW; both have the call letters HJVK. Schedule is from 1000 to 0300 GMT daily. It is a Catholic-owned station whose purpose is to reach thousands of peasants who live in rural areas and who have suffered at the hands of guerrillas. Programming is both cultural and religious in content.

The director of the station, Padre Alvaro Serna Alzate, is 45 years old and a Catholic priest. Father Serna is a licensed radio and TV announcer.

The address for reception reports is simply Emisora Armonias del Caquetá, Florencia, Caquetá, Colombia. The station can be heard quite well from 1000 s/on to 1045 GMT on 4915 kHz.

Thanks for this information, Chris. It also throws a little light on the practices of most of the Latin American countries of licensing TV and radio announcers, but not station engineers. All the Latin American countries are concerned with keeping the purity of their language; they realize that the Spanish spoken by those working for radio and TV stations will have a great influence on the language spoken by those listening to those stations. Judging from the diction of some announcers on U.S. radio and TV, we could take a page from the Latin Americans' book.

AND NOW, remembering that all loggings without a language designation were heard in Spanish (Portuguese for Brazilian stations), I present. . .

SOUTH AMERICA

ARGENTINA

- 5882.1 0051 R. Rivadavia, t1k by OM, ID @0052, into brief mx (433; 12/29. Sharp, FL)
- 9690 0450 RAE, EE, OM t1k and cmt on local nx; mailbag responses to U.S. "DXL's" (?? What is a DXL? ch) QRM from DW @0456; 0457 OM ID, s/off (343; 12/29. Preston, CA) (*0230; 0259*; 353; 12/18. Krist, VA)(0245; 433; 12/23. Harrell, IL)(0104; 433; 12/14. Schlesinger, TX)
- 11710 0300 RAE, nx (554; 12/19. Robichaud, NB)(0230; 344; 12/28. Forbes, TX)(0115; 323; 12/4. Wettersten, OH)(0015; 444; 12/14. Valentine, CA)(0150; 333; 12/17. Stone, ON -- language was German)(0442; 443; 12/15. Konen, WI)(Welcome back to SPEEDX, Mark -- after a long absence. Mark was a founding Editor of this publication. ch)(0434; 333; 12/28. Ulmer, LA)(0440; 443; 12/28. Sienicki, NJ)(0100; 312; 12/6. Hensley, TX)
- 11754.6 0638 R. El Mundo, OM w/ ballads and ID, TC, nx (343; 12/5. Cucura, PA)(0614; //6120 334; 12/22. Halbert, CA)

BOLIVIA

- 4696 ???? R. Riberalta, popular mx px; TC as "la hora oficial de Riberalta," very good signal (1/8. Wilkner, FL)
- 4719 0314 R. Abaroa, ID: "Transmite desde Riberalta, capital de...R. Abaroa," good to excellent signal (1/8. Wilkner, FL)
- 4755 0922 Radioemisora Bolivia, OM t1k on unity of people, Bolivian mx, clear ID 0948; "Radioemisora Bolivia para todos," UTE QRM. (fr/pr; 12/15. Wilczek, IL)
- 4774 *1100 R. Los Andes, opening ID, huaynos/campo selections, long ad string and several IDs between selections. Heavy CW QRM. 1125 f/out (12/29. Sparks, CA)
- 6105 1035 R. Panamericana, mx, talk about Bolivia, ad for RCA, others (242; 12/7. Heller, WA)

BRAZIL

- t2490 1021 R. Educ. Rural, fading in and out with PP ballads and tropical mx, possible OM t1k, QRN terrible (poor; 1/3. Wilczek, IL)
- 3335 0031 R. Alvorada, t1k and ID by OM, nice Brazilian pops, slight QRM from CHU (333; 12/29. Sharp, FL)
- 3375 0935 R. Nacional de São Gabriel, YL t1k, typical R.Brás canned ID, also local ID (353; 12/28. Ulmer, LA)
- 4765 0815 R. Rural Santarem, series of selections from same vocal group for 35 mins.; then typical Brazilian pop mx, TC @0858 w/ ID, then talk about Santarem (343; 1/2. Heller, WA) 12/30. Wilczek, IL)
- 4775 0813 R. Cultura Sergipe, OM t1k, ads, various Brazilian mx, 0822 ID, UTE QRM (222; 4815 0835 R. Dif. Londrina, various Brazilian mx, OM/YL t1k, IDs, TCs (222; 12/8. Wilczek, IL)
- 4895 0958 R. Baré, mx, ID, noticias internacional (422; 12/21. Ulmer, LA)
- 4905 0215 R. Relogio Federal, OM w/ t1k, ID, YL w/ TC, lots of cold front QRM (poor; 12/13. Parks, FL)

B R A Z I L / -- (continued)

- 4915 0230 R. Anhanguera, OM DJ w/ Brazilian pops and U.S. rock w/ occasional IDs between selections, nx @0240 (fr; 12/13, Parks, FL) Uimer, LA)
- 4955 0906 R. Marajoara, mx, tx, OM w/ mentions of Pará, ID @0936, QRN (342; 12/23. /
- 4965 1004 R. Alvorada, distorted signal, 2 OMs tsk, ads, Brazilian mx, 1012 ID and fqy; mentioned MW, SW, and FM (222; 1/3, Wilczek, IL)
- 5025 0045 R. Borborema, OM tsk w/ ID, disco mx, and TC (222; 12/6. Ulmer, LA)
- 5027 0844 R. Jornal Transamazonica, mostly OM tsk, w/ occasional local pops. QSB and noisy, but not much QRN until R. Continente YVKM s/on @0900 (242; 12/21. Schlesinger, TX)
- 5044 0046 R. Cultura do Pará, constant tsk by OM, ID, into mx, some QRN (333; 12/29. Sharp, FL)(5045, 0805; 222; 12/7. Hotaling, NV)(0750; 343; 1/2. Heller, WA)
- 5965 0915 R. Guaiba, OM ID, TC, w/ guitar background (232; 12/24. Heller, WA)
- 6175 0825 R. Guarani, OM/YL tks, ID, many mentions of Brazil, (333; 12/7. Hotaling, NV)
- 11780 2344 R. Nacional, mx (433; 1/2. Berkholtz, MN)(0130; 433; 12/17. Stone, ON)
- 11805 2118 R. Globo, ID @2119, mx (454; 12/12. Robichaud, NB)
- 11915 2345 R. Gaucho, many IDs by OM, vocals, OM, tsk about samba (343; 12/26. Ulmer, LA)
- 15136t 1918 R. Record, talk px w/ OM, tentative ID @1928; badly QRMed by WYFR @15130 (423; 12/18. Schlesinger, TX) Robichaud, NB)
- 15190 0040 R. Inconfidência, Banco Mercantile do Brasil, um banco otimíca (444; 12/12./
- 15245 0030 R. Nacional, FF, Conversation in FF, Brazilian mx (433; 12/23. Stone, ON)
- 15290 *0159 R. Nacional, EE, wx, Highlights of the Brazilian pop mx festival, (444; 12/18. Krist, VA)(0200; 444; 12/29. Langlois, GA)(0215; 444; 12/7. Addison, KS) (0250; 544; 12/28. Forbes, TX)(*0203; 544; 12/7. Schlesinger, TX)
- 17830 0220 R. Nacional, EE, Brazilian cuisine (feijoada -- it's a kind of stew with a foundation of black beans and a variety of meats. It's quite good -- if you have a Brazilian restaurant in your area visit it on Wednesday or Sunday -- those are the days that the feijoada is most likely to be on the menu. ch)(554; 12/24. Timofeev, LA)(0230; 0303*; 444; 12/15. Konen, WI)(0230; 444; 12/10. Addison, KS) (0215; 544; 12/23. Harrell, IL)(P.S. If you want to order it, feijoada is pronounced "feh-jwa-da." ch)

C H I L E /

- 6080 *0930 R. Patagonia Chilena, two-tone IS, short interlude of guitar strumming, full ID w/ frequency list, IDed as "Emisoras Patagonias Chilenas." Played a couple of low-keyed vocals until joining R. Nacional for news @0936 -- "Onda Noticiosa Con Radio Nacional." Severe QRN from USSR OC after 0937 (pr; 12/29. Lobdell, NJ)
- 6135 *1000 R. Univ. de Concepción, IS, full SS ID, fqys, calls by OM; fair signal, noted while passing by (12/28. Lobdell, NJ)
- 6150 2315 R. Nacional de Chile, YL, LAm mx, IDs (433; 12/26. Langlois, GA)
- 15150 0130 R. Nacional de Chile, OM w/ nx, ID (444; 12/29. Langlois, GA)(0150; 333; 12/22. Stone, ON)(0300; 433; 12/28. Ulmer, LA)

C O L O M B I A /

- 4785 0501 Ecos del Combeima, 2 IDs w/ "Super" net plug, tx, local mx (433; 12/20. Uimer, LA)(2330; ad for Salada Tea, reactivated; gd; 12/22. Parks, FL)(0506, seems to feature S am "hick" mx, local groups, though no Indian mx.; 433; 12/22. Palmer, WA)(1029; 444; 12/20. Jones, MS)(0635; 434; 12/30. Hydzik, DE)(0910; "La Hacienda" px, 333; 12/20. Wilczek, IL)(0550; 322; 12/22. Halbert, CA)(0510; 12/23. Sparks, CA)
- 4845 0219 R. Bucaramanga, mx nonstop, ID @0230 (better than usual tonight);(434; 12/29. Huffaker, MEXICO)(0456; 0459*; 433; 12/18. Ulmer, LA)
- 4875 1003 R. Super de Medellín, ID, gave phone number 45 45 29, música de Colombia; (443; 12/21. Ulmer, LA)(0641; 333; 12/17. Saunders, NJ)(0610; 444; 12/22. Palmer, WA)(0621; 333; 12/22. Greenwald, WY)
- 4915 0438 Emisora Armonias de Caquetá, mx, s/on ID @1009: "El saludo para Colombia y el mundo entero. Armonias de Caquetá transmitiendo de Florencia, capital y puerta de la Amazonia colombiana. HJVK, 970 kHz con 30 kW de potencia en canal preferencial y 4915 kHz, 3 kW onda corta. Armonias de Caquetá, orientación ? (religiosa, probably. ch) y cultural." mx w/ TCs and long tsk between. Organ waltzes w/ canaries (like Hartz Mountain Program on 1930's radio)(444; 12/31. Huffaker, MEXICO)(1005; fighting it out w/ PBS Guangxi, on since end of November. s/on some time after 1000. 12/17. Sparks, CA)(1010; greeted Chris Lobdell and other U.S. listeners; 444; 12/21. Wilczek, IL)(1056; 433; 12/19. Jones, MS)(0050; fr/pr; 12/19. Parks, FL)
- 4925 0429 Emis. Meridiano 70, lively LAm mx, OM w/ ID as "Emisora Meridiano 70, Arauca, Colombia." (322; 12/5. Cucura, PA)(0354; 343; 12/23. Ulmer, LA)
- 4945 0558 R. Colosal, telephone interview, ad @0559; Banco de Bogotá plug led-in by flashy synthesizer tune. Back to phone calls @0605 (444; 12/22. Palmer, WA) (0402; 444; 12/23. Ulmer, LA)
- 4955 0459 Emis. Nuevo Mundo, 15-minute blocks of mx non-stop, full ID @0433, s/off w/ ID, no NA (322; 12/30. Huffaker, MEXICO)

COLOMBIA -- (continued)

- 4965 0539 R. Santa Fe, tuned in just as it Ided, nice catchy mx (333; 12/22. Halbert, CA) (0620; 434; 12/22. Berri, CA)(0552; La Música de Diciembre shouted a lot; 444; 12/22 Palmer, WA)(0530; 443; 12/27. Ulmer, LA)(0555; 242; 12/30. Preston, CA)
- 4975 1015 Ondas del Orteguzza, nice signal w/ campo vocals and ID, but the usual UTE came on @1020 and wiped out signal (12/21. Sparks, CA)
- 5035 1149 LV de Caquetá, tlk by OM/YL, ID by OM @1158, brief interlude of piano mx, 1200 f/out; (fr; 12/14. Parks, FL)
- 5040 0523 R. Cinco, OM reading nx from N/S America, ad for local product @0530. 0533* after fragmentary rendition of Colombian NA (433; 12/22. Palmer, WA)(0545; 453; 11/28. Moore, TX)
- 5095 0245 R. Sutatenza, light mx, ID (354; 12/26. Hensley, TX)(0130; 443; 12/26. Fraser, MA)
- 5964 *0300 LV del Cinaruco, s/on amnt, pretty noisy, but no QRM to speak of (342; 12/21. Schlesinger, TX)(How did this get here -- 1100 kHz high??? ch)
- 6115 0901 LV del Llano, ID, fading in and out (322; 12/23. Ulmer, LA)(0839; 343; 12/5. Cucura, PA)
- 6150 0737 LV del Huila, ID in middle of song (444; 12/24. Ulmer, LA)
- 9635 0420 R.dif. Nacional de Colombia, continuous classical mx, amnts by YL. World nx @0427, read by OM (333; 12/7. Palmer, WA)
- 11792 2125 R.dif. Nacional de Colombia, classical mx (353; 12/12. Robichaud, NB)
- 15333 0005 R.dif. Nacional de Colombia, pop mx (433; 12/30. Langlois, GA)

ECUADOR

- 3220 1045 HCJB, Quechua, OM tlk, "It Came Upon A Midnight Clear." (333; 12/29. Hotaling, NV)(0400; QRMed by SS numbers station (222; 12/29. Hydzik, DE))
- 3240 0200 R. Antena Libre, religious px to 0130, tropical mx, TCs to s/off @0200; (343; 12/23. Huffaker, MEXICO)(1115; mixed choir mx, into folklorico vocals; 1/10. Sparks, CA)
- 3280 0215* LV del Napo, mx, s/off ID, no NA; (343; 12/30. Huffaker, MEXICO)
- 3315 0120 R. Pastaza, mx, positive ID (242; 12/16. Konen, WI)(2330; clear ID @0349; 343/242; 12/26. Huffaker, MEXICO)(0139; LAM pops, mostly ballads, nothing truly Ecuadorian; 232; 12/16. Schlesinger, TX)(*1113; 12/15. Sparks, CA)
- t3325 0945 Ondas Quevedefias, romantic vocals and campo selections, lots of TCs, nx @ 1000 w/ lots of items datelined "Quito." Noticias Nacional mentioned, but no IDs noted (12/11. Sparks, CA)
- 4655 0416 C.R.E., Greek-sounding mx, frequent IDs, (322; ???, Ruckman, OH)(4656.5; 0359; 0403* after NA; 353; 12/20. Provance, OH)
- 4795 0523 LV de los Caras, late New Year's px; ID in EE @0543: "This is the Voice of the Caras, broadcasting on 4795 kHz, Bahia, Ecuador." Still there @0700 but off by 0715 recheck (1/1. Sparks, CA)(0039; 332; 12/18. Ulmer, LA) Ulmer, LA)
- 4800 0758 R. Popular de Cuenca, several IDs, as R. Popular, nice Andean mx (333; 12/28./
- 4890 0400 R. Centinela del Sur, final ID over a piano solo, NA, 0405*, clear signal (1/5. Sparks, CA)(1112; Lux not on; 333; 12/28. Wilczek, IL)(1134; 343; 12/22. Jones, MS)
- 4901 1125 LV de Saquisilí, mixing w/ Juventud, TC, OM tlk, 1129 ID, "LV Saquisilí, Libertador." (222; 12/15. Wilczek, IL) Ulmer, LA)
- 4920 0456* R. Quito, LAM vocals, ID @0455 (353; 12/19. Ruckman, OH)(0340; 444; 12/23. /
- t4960 1040 R. Federación, s/on, long version of NA, into Indian language, no ID that I could find; (12/25. Sparks, CA)
- 4996 0335 R. Baha'i, surprised to hear Cuban mx from an Ecuadorian station. ID, fqy, and Buenos Noches, but continued on air with more Cuban mx (433; 12/10. Jones, MS)
- 5015 0438 Escuelas Radiofónicas Populares, New Years px, ID, very dramatic poetry about the economic situation. (434; 1/1. Huffaker, MEXICO)
- 5025 0352 R. Splendit, LAM pop mx, ballads, ads, several IDs (343; 1/6. Jones, MS)
- 5050 *0959 R. Jesus del Gran Poder, mx, quick ID @1005, mx to full s/on amnt @1012 "Transmite R. Jesus del Gran Poder, 670 en onda larga, 5050 en onda internacional, 102.5 frecuencia modulada..." NA, into Christmas px (354; 12/23. Stephany, NY) (1150; 432; 12/27. Ulmer, LA)(0225; gd; 12/25. Parks, FL)
- 6095 0630 HCJB, EE, DXPL, SPEEDX Report (433; 12/5. Sienicki, NJ)(0500; good; 12/19. Piatelli, CA)
- 9745 0630 HCJB, EE, DXPL w/ Clayton Howard, to 0700 (333; 12/12. Hosmer, MI)(0635; gd; 12/27. Piatelli, CA)(0535; "Journey down the Exciting Amazon River." 444; 1/7. Traver, CA)(0300; 444; 12/10. Addison, KS)(0530; 433; 12/26. Leonard, ME)(0230; 344; 12/12. Wieboldt, FL)
- 11915 0545 HCJB, EE, OM: Passport px, ID, SAM mx, interviews, recorded NASA px: "Space Story," about U.S. satellite repair mission by space shuttle in 1983. (434; 12/30. Preston, CA)(0630; 444; 12/26. Krist, VA)(0538; 344; 12/29. Miller, CA)
- 15155 0230 HCJB, EE, DXPL (544; 12/5. Hill, SC)(0035; 444; 12/12. Stewart, OH)(0100; 454; 12/7. Fraser, MA)(*0030; 444; 11/1. Duncan, NC)(0200; 444; 12/8. Muzyka, NY) (2345; 434; 12/29. Langlois, GA)(0230; 555; 12/20. Harrell, IL)
- 15175 0715 HCJB, EE, Bible tlk (444; 12/7. Addison, KS)(2228; Russian language; 343; 1/2. Berkholtz, MN)

E C U A D O R / -- (continued)

15180 0130 HCJB, OM ID, "Passport," (334; 12/3. Addison, KS)
15290 2100 HCJB, GG, YL w/ religious mx (444; 12/11. Langlois, GA)(2044; FF px; 444;
12/18. Robichaud, NB)
15375 1215 HCJB, EE, "Quito Calling India," HCJB's new Indian Service, nx, cmt, Per-
spectives (astronomy px); (343; 1/3. Muzyka, NY)
17885 0145 HCJB, EE, "Passport," talk about the OAS (544; 12/20. Harrell, IL)
17890 1356 HCJB, EE, ID, nx (343; 12/28. Berkholtz, MN)
21477.5 2130 HCJB, EE, DXPL, 2159*; (454; 12/6. Krist, VA)(2130; 434; 12/27. Hill, SC)

F A L K L A N D I S L A N D S / -- FIBS

2370 0105 EE, heard OC to 0105, then when off heard FIBS ID by OM, tlk to 0128, s/o
0131:25 w/ GSTQ (222; 12/28. Sharp, FL)

F R E N C H G U I A N A / -- FR3

3385 0908 FF, rock, LAm mx, ID (454; 12/28. Ulmer, LA)

G U Y A N A / -- GBC

5950 0750 EE, inspirational mx and Merry Christmas (12/25. Konen, WI)(0914;232;1/5. /
Morrison, NC)

P A R A G U A Y / -- R. Nacional de Paraguay

11915 0150 ID, lively mx, 0156* (343; 12/18. Konen, WI)(0025; 432; 12/18. Ulmer, LA)

P E R U /

3230 1029 R. El Sol de Los Andes, huaynos w/ vocals by group, flute tune @1010 similar
to "El Condor Pasa." Frequent ID/TCs. nx @1022; (12/28. Lobdell, NJ)(0955; 1040
fade-out; (1/10. Sparks, CA)
3800 0955 R. Esmeralda, huaynos, ID by OM @0952, nice clear signal (12/29. Sparks, CA)
4810 0500 R. San Martin, jazzy violin mx w/ sitar; ID @0512 (222; 12/19. Ruckman, OH.)
4815 R. Amazonas, as per QSL and letter, station is now R. Amazonas, not Samarén;
call letters OAX8X, address: "Putumayo No. 473, Iquitos." (Huffaker, MEXICO)
4840 1020 R. Andahuaylas, Noted w/ YL DJ in SS battling it out w/ Radio Valera. Many
TCs w/ IDs just as "Andahuaylas," native mx, nx @1031 w/ brief inst. mx between
items. Interesting reception as Valera would come in over it for a few seconds
and then fade into the background again; by 1040 Valera was totally predominant
and Andahuaylas was little more than a het (12/29. Lobdell, NJ)
t4922 1030 Ondas del Titicaca, huaynos, ID(?) obscured by power line noise and weakness
of signal (1/1. Sparks, CA)
4935 1050 R. Tropical, nx, long string of ads by OM, frequent mentions of Tarapoto;
"Feliz Navidad" greetings @1102 and ID (12/21. Sparks, CA)
4950 *1058 R. Madre de Dios, NA, positive ID, one mention of fqy, onda corta, and
buenos dias. Very lucky to get this much. Peruvians going fast @1100 this time
of year (252; 12/20. Jones, MS)
4955 *1058 R. Cultural Amauta, OA anthem w/ vocal version sung by OM. Full taped ID
by OM: "Radio Cultural Amauta, 4955 kc en la banda de 60 metros...desde la ciudad
de Huanta de ... los Andes..." Low-key talk by OM, then into beautiful YL vocals
w/ flute only. Till 1118 fade, so weak that QRM from tape recorder was noted
(12/29. Lobdell, NJ)
4996 0945 R. Andina, OM ID, mx, mixed with tlk, IC/ID w/ echo (222; 12/24. Heller, WA)
(0838; s/on ID/NA @0843; 343; 12/28. Huffaker, MEXICO)
5025 *1030 R. Quillabamba, NA, ID by YL w/ light concert mx in back; long talk by YL
(12/10. Sparks, CA)(1048; 233; 12/20. Schlesinger, TX)
5035 1055 R. Imagen, ID, campo mx; weak signal (12/23. Sparks, CA)
5045 0342 R. Rioja, TC/ID twice, echo talk (342; 12/12. Ulmer, LA)(0505; 0510*; on
late; 1/1. Sparks, CA)
5617 1107 R. Ilucán, OM singing huaynos, ID @1115, nx, messages, then px of huaynos/
folklorica mx to 1150 f/out (1/1. Sparks, CA)
t5995 1005 R. Melodia, possible nx read by OM to signature tune @1012, more spoken px.
Very much QRM'ed by co-channel Australia (212; 12/9. Schlesinger, TX)
6095 1110 R. Nacional de Perú, usual morning px, OM ancw w/ TCs, greetings, IDs as
R. Nacional de Perú, folklorica mx (343; 12/13. Wilczek, IL)(6096; 1125; 333;
12/27. Jones, MS)(1056; harp huaynos w/ YL singing, ID @1100, TC @1101; fair, but
squeezed by HCJB on 6095 (12/28. Lobdell, NJ)
6190 *1103 R. Oriente, OA anthem, short piece of the Hamlisch version of the "Sting,"
full SS ID (taped), fqys, calls, px of guitar vocals, flute huaynos to 1130 f/out.
Can't hear it this well up in MA (12/28. Lobdell, NJ)
6724.4 2359 R. Satelite, ID "R. Satelite, la radio de Santa Cruz," then several more
mentions of Santa Cruz. 0004 Jammer mistakes Satelite for Venceremos and jamming
commences. Venceremos was on 6209 and unjammed. (1/5,6 Wilkner, FL)
9675 1122 R. del Pacifico, ID, "R. Pacifico presente..." mx, TC, YL w/ rel mx as signal
faded out (242; 12/7. Heller, WA)

THERE ARE SO MANY SURINAM LOGGINGS THIS MONTH THAT I'LL BEGIN THEM ON THE NEXT PAGE.

SURINAM -- SRS

4850 0353 Dutch, nearly solid mx -- excellent oldies! Occasional old LAM ballads in SS and a Mexican no. S/off @0430 w/ vocal NA. Not one spoken word at s/off. ID @0404. (333; 12/11. Palmer, WA)(0103; 252; 12/16. Ruckman, OH)(0200; 322; 12/15. Stone,ON)(0045; lots of Dionne Warwick, must be the DJ's favorite; 443; 12/14. Konen, WI)(0332; 252; 11/30. Moore, TX)(0430; s/off; 444; 12/23. Ulmer, LA)(0245; EE ID as: "You are listening to the right station, the SRS, Surinam." 343; 12/11. Hensley, TX)(0330; 0427*; 323; 12/10. Speer, CA)

URUGUAY -- S.O.D.R.E.

15273 0140 t1k though no positive ID (141; 12/17. Konen, WI)

VENEZUELA

3225 0355* R. Occidente, RTTY QRM, ID @0345, mx, must have been NA (If this can't help me in high school Spanish, nothing will!)(423; 12/30. Hydzik, DE)(1035; 333; 12/29. Hotaling, NV) ling, NV)
3275 1010 R. Mara, OM, many ads, phone numbers, Maracaibo mentioned (322; 12/29. Hota-
3395 R. Universidad, YL mx, ads for Merida and Maracaibo stores, ID by OM @2340; het from Zaracay. Not heard for many moons. (fr; 12/10. Parks, FL)
4760 0215 R. Frontera, YL mx, occasional "R. Frontera Internacionalísimo" IDs, under RTTY marker pulse (pr; 12/25. Parks, FL)(*1000; 312; 12/14. Schlesinger, TX)
4780 0337 LV de Carabobo, LAM mx, ID (444; 12/12. Hensley, TX)(0320; 423; 12/11. Berri,
4800 0150 R. Lara, ID, OM ancr, lively Latin mx (433; 12/15. Stone, ON) /// CA)
(0328; 455; 12/29. Sharp, FL)
4830 1030 R. Tachira, ads for local businesses (like Supermercado Victoria), ID w/ calls (432; 12/21. Ulmer, LA)
4840 0307 R. Valera, TC w/ long IDs, OM gave phone numbers (444; 12/28. Ulmer, LA)
4900 0230 R. Juventud, station IDs, "Ebony & Ivory," "Turn On Your Love Light," (Where is it? I'd love to! ch)(433; 12/9. Stone, ON)(*0955; 444; 12/21. Ulmer, LA)
4907 1100 R. Carora, pop vocals, ID @1104, ads. Very strong, full ID @1128, language lesson. (1/10. Sparks, CA)(0045; baseball play-by-play; gd; 12/19. Parks, FL)
4970 0331 R. Rumbos, series of hyper IDs/2 OMs, then nx w/ 2-tone chimes (111; 12/22. Greenwald, WY)(0001; 433; 12/29. Langlois, GA)(0300; 444; 12/12. Hensley, TX)
4980 0030 Ecos del Torbes, ID, endless ads, OM/YL w/ LAM mx (444; 12/29. Langlois, GA)(0200; Feliz Navidad, 444; 12/12. Hensley, TX)
5040 0925 R. Maturín, YV pops w/ OM, some QSB, but real good otherwise (544; 12/14. Schlesinger, TX)
6130 2259 R. Valles del Tuy, excited OM ancr w/ sx, ID on the hour, lost under OC @2315; (pr; 12/26. Wilczek, IL)
6180 0917 R. Turismo, sung ID, Feliz Navidad, mx (422; 12/25. Ulmer, LA)

NORTH AND CENTRAL AMERICA

ANTIGUA

6040 0100 DW, EE, nx, noticed a very large amount of QSB on this band (553; 12/22. / Demmitt, PA)
6085 0146 DW, EE, mailbag (444; 12/6. Berkholtz, MN)(0150;444;12/20,Miller, CA)
6175 0058 BBC, EE, mx, Waveguide, etc. (544; 12/28. Krist, VA)(0600;gd;12/22.Piatelli, CA)(0400;444;12/3. Berkholtz,MN)(0015;554;12/22. Demmitt,PA)+2
6195 1129 BBC, EE, ancr makes a slip of the tongue, recovers, and introduces "Command Performance," (454; 1/2. Leonard, ME)
9510 0900 BBC, EE, nx, Review of the British Press (444; 12/14. Schlesinger, TX)+1
9545 0530 DW, nx in EE; (gd; 12/27. Piatelli, CA)(*0500; 444; 1/5. Greenwald, WY)+1
9510 0504 BBC, EE, OM, U.S. says RR satellite is out of control; USSR says it isn't (444; 1/7. Traver, CA)
11775 1100 BBC, EE, nx read by OM, not much going on (444; 12/1. Schlesinger, TX)
11785 0210 DW, nx, sx, Christmas mx, mailbag (444; 12/19. Grosvenor, CA)
15410 2010 DW, GG, cmt on Afghanistan (433; 12/28. Berkholtz, MN)
17715 1357 DW, GG, cmt. on mx w/ Schwab-Horton duo (444; 12/28. Berkholtz, MN)

BELIZE -- Radio Belize

3285 1008 EE wakeup show, w/ DJ and GMT-5 TCs; is this a change from GMT-6 (Yes, it surely is. ch)(gd; 12/22. Lobdell, MA)(251;12/19. Ruckman, OH)(0205; 323; 1/10. Hydzik, DE)(0300; 222; 11/29. Burke, VA)(0015; high temperature 87°; it is now 77° (It's 10° here in New York tonight (1/18) -- wish I were in Belize. ch); 433; 12/29. Sharp, FL)(1205; 444; 12/21. Ulmer, LA)(1005; 322; 12/29. Hotaling,NV)(1000; 12/29. Sparks, CA)

CANADA

5960 0205 RCI, EE, ID, nx (444; 12/13. Addison, KS)(0300;gd;1/4.Piatelli,CA)+2
6070 1443 CFRX, Toronto, EE, Christmas Quiz Questions (433; 12/20. Harrell, IL)(1915; 222;12/29; Sienicki, NJ)(1252;333;12/9. Berkholtz, MN)
6080 0832 CKFX, Vancouver, EE, C+W mx, community bulletin board, ID, ads for Stacey's Furniture World, nx @0900 (232; 12/12. Speer, CA)

MORE TO COME.

CANADA -- (continued)

6120 0008 BBC, EE, world nx, etc. Part I of Bleak House by Charles Dickens (544; 12/10. Krist, VA)
 6130 1233 CHNX, Halifax, EE, nx ends then ID followed by mx, 2 liters of Coke to the person who knows the answer to a trivia question (444; 12/22. Leonard, ME)
 6160 1330 CKZU, Vancouver, Glenn Miller Band, EE (444; 12/13. Miller, CA)
 6160 1040 CKZN, St. Johns, EE, end of nx,sx results. TC for 10 mins. past 7; a rare visitor here (343; 12/27. Jones, MS)(1040; clear signal; 1/8. Sparks, CA)
 9590 2346 BBC, EE, Meridian, feature on Errol Flynn (554; 12/18. Schlesinger, TX)+1
 9625 2311 CEBCNWS, EE, cmt, "Cross Country Checkup" (333; 1/2. Merkholtz, MN)
 11850 2345 CEB, EE, As It Happens (444; 12/10. Harrell, IL)+3
 11905 1900 RCI, EE, *1900, ID, nx, mx, SWLD (444; 1/2. Hosmer, MI)
 11940 0115 RCI, FF, nx in FF, (444; 12/15. Valentine, CA)+1
 11945 *2129 RCI, EE, "African Service," (433; 12/25. Krist, VA)
 11955 1628 RCI, EE, Sunday Morning, (444; 12/19. Leonard, ME)
 15260 1800 RCI, EE, Spectrum Canada in African Svce; (354; 12/28. Preston, CA)(1800; 444; 1/1. Hahn, CA)(*1800; 444; 12/18. Krist, VA)(1615;555;12/26. Fraser,MA)+1
 15325 1930 RCI, FF, jazz, ID (444; 12/11. Langlois, VA)
 17820 1800 RCI, EE, African Svce; (444; 12/23. Sienicki, NJ)
 17830 1715 BBC, EE, "Just A Minute" px (1745*; 554; 12/20. Thompson, CA)
 17875 *2129 RCI, EE, nx, SWLD, (454; 12/11. Krist, VA)(2130;444;1/1.Pettengill,ME)(2000; 443; 12/12. Robichaud, NB)
 21695 *1645 RCI, EE, nx, wx, sx, (555; 12/24. Krist, VA)(1710;544;12/24.Timofeev, LA)

COSTA RICA

4832 0545 R. Relej, mx, // 6006 w/ QRM; (454; 12/20. Shorock, KS)(0615; 222; 12/22. Greenwald, WY)(0522; 444; 12/23. Ulmer, LA)
 5055 0346 TIFC, Faro del Caribe, EE, px about prayer, QTH, NA, 0359* (444; 12/12. Ulmer, LA)(0057; 544; 12/29. Sharp, FL)
 6006 1054 R. Relej, ID/TC, Christmas message from the President; (443; 12/21. Ulmer,LA)
 6075 1214 R. Rumbo, mx, TCs, lots of ads (Was there an ID? ch)(453; 12/6. Moore, TX)

CUBA

6020 0657 RHC, EE, ID @0658, dead air to 0705 when mx began (555; 12/12. Hosmer, MI)-(0715; 544; 12/31. Valentine, CA)
 6060 2330 RHC, OM, piano mx, ID (444; 12/26. Langlois, CA)
 9545 1430 RHC, instrumental mx, Piano concerto (244; 12/22. Lord, CA)
 9600 0045 RMoscow Nam Svce., mx show, this show is good -- great mx and no propaganda (unless it's subliminal)(554; 12/22. Demmitt, PA)
 11760 1345 RHC, OM, nx, mx, (544; 12/31. Valentine, CA)(0140;444;12/17.Stone,ON)(1715; px on Bolivar, 323; 12/15. Duncan, NC)
 11840 1300 RMWS, EE, IS, ID, into Nxreel @1312 (444; 12/2. Schlesinger, TX)
 11930 0130 RHC, EE, From The Land Of Music (333; 12/30. Grishin, ON)+5
 11950 0213 RHC, EE, "Socialism, The New World," (554; 12/9. Claytor, MI)+1
 12000 2126 RHC, EE, px about Walvis Bay, Namibia (444; 12/20. Ulmer, LA)
 15300 0230 RHC, EE, ID, nx, cmt; (444; 12/23. Harrell, IL)
 15335 0130 RHC, EE, OM ID, mx (333; 12/6. Addison, KS)
 17705 2131 RHC, Arabic, tlks by OM, IS, 2136* (333; 12/31. Palmer, WA)+1
 17750 2015 RHC, VL w/ nx (444; 12/18. Langlois, GA)
 17880 2118 RHC, EE, Marxist Review, (333; 12/16. Manning, TX)

DOMINICAN REPUBLIC

6049 1933 R. Santiago, OM DJ playing LAM ballads, Caribbean mx w/ bank ads and occasional IDs. (fr/pr; 12/14. Parks, FL)
 11700 2132 R. Clarin, LV del Cid px, Lucy in the Sky with Diamonds (554; 12/18. Robichaud, NB)(1140;222;1/1. Miller, CA)(2137;433;12/16.Ulmer,LA)(0300;433;12/19.Speer, // CA)

GRENADEA -- Radio Free Grenada

15045 2145 EE, rel. mx., to 2200; The World of Jazz from 2200-2255; (433; 12/19. Shorock, KS)(2300;432;12/6.Schlesinger,TX)(2325;544;12/20.Harrell,IL)(0130;433; 12/15.Valentine,CA)(1445;433;12/27.Langlois,VA)(2319;454;12/20.Krist,VA)(2215; 444;12/3.Hill,SC)(2200;333;1/1.McKeon,IL)

GUATEMALA

3300 1218 R. Cultural, hymns, ID w/ fgy, QTH (433; 12/21. Ulmer, LA)(0210;423;12/29. / Sharp, FL)
 t3360 1140 LV de Nahualá, slow mx, OM in SS, no ID heard (343; 1/2. Konen, WI)(0238; 252; 12/1. Moore, TX)(1215; 434; 12/21. Ulmer, LA)
 4825 2346 R. Mam, SS/Vern.; OM tlk, ID, local mx, UTE QRM; (433; 12/31. Wilczek, IL)(2352; 323; 12/18. Schlesinger, TX)

HAITI -- R. Station 4VEH

t9770 2351 EE, occasionally breaking in over co-channel QRM w/ standard religious mx. Completely buried on supposed // 11835 (311; 12/18. Schlesinger, TX)

HONDURAS

3251 2335 R. Luz y Vida, religious px, campesino mx, ID @2349; weak compared w/ other CAM stations (fr/pr; 12/12. Parks, FL)

HONDURAS / -- (continued)

- 4820 0444 HRVC, LV Evangelica, Christmas mx, OM w/ religious talk, 0454* w/ ID (443; 12/22. Speer, CA)(0150; 352; 12/20. Fraser, MA)
- 4890 0058 R. Lux, usual U.S.-style pops; heavily CW-QRMed (212; 12/19.Schlesinger,TX)
- 6000 1204 Eco de Honduras, ID, SW fqy in San Pedro Sula, plugs for Cadena Z, ranchera mx (443; 12/22. Jones, MS)(1100; Radio Variedades over Eco de Honduras; OM w/ ID, long amnt w/ many CAm locations (nx?? ch); powerful signal overpowered usually dominant Chinese station; 12/24. Sparks, CA)

MEXICO /

- 2390 1207 R. Huayacocotla, ranchera mx, OM ancr, 1218 ID and TC (333; 12/15.Wilczek,IL)
- 15160 2001 LV de la América Latina, various amnts, flute mx, het; (312; 12/19.Schlesin- // ger,TX)

MONTSEERRAT /

- 9545 *0100 DW, EE, nx, into feature programming; slightly QRMed, and hetted. Antigua and FRG xmitters usually seem to do best (443; 12/19. Schlesinger, TX)
- 11705 0540 DW, EE, nx (gd; 12/27. Piatelli, CA)(0606;151;12/23. Who???, Where?)

HAVE TO SKIP NETHERLANDS ANTILLES THIS MONTH BECAUSE OF SPACE. MOSTLY THE USUAL STUFF -- LOOK IN LAST MONTH'S COLUMN FOR DETAILS.

NICARAGUA /

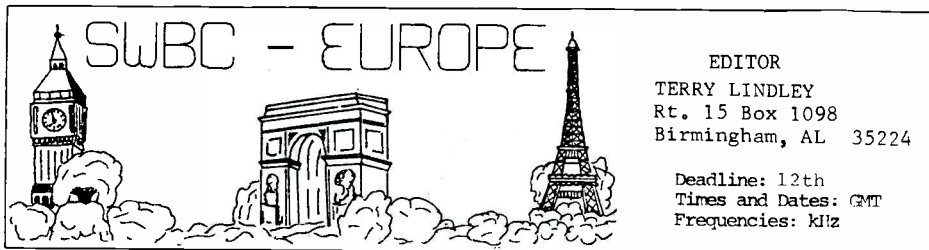
- 5955 0215 LV de Nicaragua, EE/SS, "Nicaragua Today" nx px by OM/YL, IDs 0227, into SS; (333; 12/18. Cucura, PA)(0232; will expand EE next month (Feb.); 332; 1/2. Lucas, CA)(0320;433;12/29. Berkholtz,MN)(0559; 0600*; 444; 12/19. Ulmer, LA)+3

UNITED STATES OF AMERICA /

- 5985 0300 VOFC via WYFR, EE, ID, nx, cmt on PRC farmers and Taiwanese farmers; language lesson (555; 12/19. Harrell, IL)
- 6155 0425 WRNO, EE, Billy Joel, ABC Newsbrief; (545; 1/10. Hydzik, DE) AZ
- 9555 0710 UN Radio, OM w/ nx, YL w/ ID, 0715* w/ Yankee Doodle; (444; 12/17. Grijalva, 9715 0203 WYFR, EE, mx w/ Jeff Landes, (444; 12/12. Addison, KS)
- 11740 0215 VOFC via WYFR, Cmt on Xmas in Taiwan in EE, address for QSL (333; 12/6. Berkholtz, MN)
- 11925 1915 WYFR, EE, Open Forum religious Q&A px (555; 12/20. Harrell, IL)
- 11965 0030 WRNO, EE, nx, rock mx, CBS nx, ads for aspirin, FM 100 IDs (555; 12/26. Krist, VA)(0155; // 6155 kHz; 433; 12/6. Berkholtz, MN)(0015; 544; 1/1. Duncan, NC)
- 15120 1930 UN Radio, EE, Women and Tourism in Jamaica (555; 12/20. Harrell, IL)
- 15145 0007 WINB, SS/EE, uninterrupted light orchestra mx w/ Christian slant. Fantastic mx!! SS ID @0059, EE ID after, into "The Gospel Hour" in EE (444; 12/24. NJ) Palmer, WA)
- 15160 0012 The Voice of the OAS, tlks by OM, mx, ID by OM in EE; (333; 12/18. Saunders, 15175 0009 WYFR, GG, religious cmt (444; 1/3. Berkholtz, MN)
- 15185 2231 WINB, EE, religious cmt (333; 1/2. Berkholtz, MN)(2130; ID @2131, followed by religious px featuring the pastor of the largest church in the Philippines (444; 12/31. Drollinger, WI)
- 15205 0023 VOA, EE, chemical weapons in Afghanistan, cmt on UN Communications Year (454; 12/21. Krist, VA)
- 15215 1710 WYFR, EE, Bible reading (333; 12/8. Addison, KS)
- 15330 1958 AFRTS, EE, "Happy Holidays, this is AFRTS." AP net nx (444; 12/24. Krist,VA) (0040; motorcycle safety tips; 323; 1/1. Duncan, NC)
- 15345 2015 AFRTS, EE, Pittsburgh Steelers vs. Buffalo Bills (535; 12/12. Ruckman, OH) (2200; 444; 12/13. Addison, KS)(2330; 444; 12/29. Langlois, GA)
- 15355 2100 WRNO, EE, rel. px. to 2105, then rock and weather for New Orleans (444; 12/30. Duncan, NC)(2010; 444; 12/22. Manning, TX)(2000;555;1/2.Hosmer, MI)
- 15365 1845 WYFR, EE, mailbag; Open Forum; (444; 12/11. Langlois, GA)
- 15380 2220 WYFR, EE, Open Forum; (444; 12/13. Addison, KS) NY)
- 15410 2100 VOA, EE, nx, cmt on what problems face the 98th Congress (444; 1/9. Muzyka, 15430 1429 AFRTS, EE, ID @1929, TC @1430, then ABC nx feed (444; 12/16. Leonard, ME) (0035; gd; 12/19. Piatelli, CA)
- 17730 1758 WINB, EE, ID, into Bible Institute of the Air (443; 12/28. Speer, CA)
- 17730 0030 VOA, EE, UN eiscussion, Gordon Luce (gd; 12/19. Piatelli, CA)
- 17730 2101 UN Radio, EE, UN nx, very detailed report. Of course, the don't have to travel much for their stories (What about New York to Geneva? ch)(554; 12/1. Sch- resinger, TX)
- 21485 2055 VOA, EE, Nightline Africa w/ mx feature on dobro player // Jerry Douglas; (555; 12/27. Thompson, CA) and many more U.S.A. reports.

 Now that I'm at the end of my antepenultimate or penultimate column, I'd like to thank all those who took time out to report this month. I will indeed see you next month, and perhaps for one more after that. Do report next month, and help me go out with a bang. Have a good month, Happy Valentine's Day, and see you in 28 or so.

73/0 Chris - Antie - Shacke



Wow, did I ever get the first degree about the by freq experiment. Not only from our president but from 16 members. Thats okay though I asked for opinions and you gave them to me. It really was'nt a very good idea, I just did it to change up the column a bit. I had no idea that so many people would disagree with it. With 17 votes against and 0 votes for it you can be sure that I will not try that again. Thank you very much for taking the time to give me your opinion.

Heres Albania

A L B A N I A R.Tirana

- 5020 0504 RT: AB-Mx pgm, exercise pgm.(453 12/19 Robichaud-NB)(Ulmer)
- 5057 0533 RT: AB-Mx pgm, & exercise pgm.(454 12/19 Robichaud-NB)
- 6200 0345 RT: EE-Mx, talk on economy & unemployment.(423 1/5 Coutermarsh-VT)
- 7065 0000 RT: EE-YL w/nx & cmtry.(433 12/25 Evans-TN)(Harrell-IL)
(Krist-VA)(McKeon-IN)
- 7080 0650 RT: EE-pgm suffers from CW QRM, barely audible.(433 12/19 Schlesinger-TX)
- 7120 0146 RT: EE-pgm on Albanian hospitality.(411 Ruckman-OH)(Manning-TX)(McKeon-IN)(Schlesinger-TX)
- 7300 0336 RT: EE-Anti U.S. talks, ID.(444 1/7 Famularo-NJ)(McKeon-IN)
- 9480 1830 RT: EE-Nx pgm, ID & cmtry by YL.(232 12/26 Hosmer-MI)

A U S T R I A ORF

- 5945 0129 ORF: EE-"Austria Calling" & "Report From Austria" w/talk on money and banking.(433 12/10 Krist-VA)(Coutermarsh-VA)(Valentine-CA)(Miller-CA)(Fraser-MA)
- 9770 0128 ORF: EE-"Report From Austria" w/talk on the renovation of an old hotel.(445 12/19 Provance-OH)(Krist-VA)
- 12015 1500 ORF: EE-Nx, cmtry, & mx pgm.(333 12/30 Zilmer-NM)
- 15295 1500 ORF: EE-the "Report From Austria"(322 12/29 Zilmer-NM)
- 21615 1230 ORF: EE-"Austrian SW Panarama, mx.(544 12/12 Krist-VA)

B E L G I U M the BRT

- 6225 2200 BRT: EE-"Brussels Calling" w/IDs, nx, & mx.(222 12/16 Cucura-PA)
- 7465 0030 BRT: EE-ID, "83 Music Box" pgm, DX pgm.(433 1/3 Hosmer-MI)(Zilmer-NM)
- 9880 0030 BRT: EE-the "Cultural Report", sports nx.(333 12/19 Manning-TX)(Krist-VA)

B U L G A R I A R.Sofia

- 7115 2129 RS: EE-IS, ID, OM w/sked, YL w/nx.(433 1/8 Morrison-NC)(McGants-AL)
- 7670 0643 RS: BG-OM w/pgm of western pop mx.(242 12/19 Schlesinger-TX)
- 9700 0040 RS: EE-Cmtry on Bulgarian literary publications.(434 12/31 Hahn-CA)(Miller-CA)(Fraser-MA)(Krist-VA)(Berkholtz-MN)(Schlesinger-TX)(Preston-CA)(Coutermarsh-VT)(Harrell-IL)
- 11720 0020 RS: EE-pgm of Bulgarian folk mx.(444 12/18 Krist-VA)

C Z E C H O S L O V A K I A R.Prague

- 6055 0030 RP: EE-NX, pgm of piano mx.(444 12/18 Krist-VA)
- 7345 0308 RP: EE-Nx pgm, mx, & cmtry.(333 12/6 Berkholtz-MN)(Coutermarsh-VT)

D E N M A R K R.Denmark

- 11715 0056 RD: EE/DD-IS, S/on, beam to N.Amer & Greenland.(444 12/31 Konen-WI)
- 15165 2000 RD: DD-OM w/nx pgm. Very weak and QRMed by XEWW.(221 12/19 Schlesinger-TX)

F I N L A N D R.Finland
 75400 1400 RF: EE-S/on & the Northern Report.(332 12/18 Schlesinger-TX
 (Timofeev-LA)(Addison-KS)
 21475 1500 RF: EE-Talk on celebration of Finlands Independence Day.(323
 12/6 Lord-CA)(Fraser-MA)(Hill-SC)(Berkholtz-MN)(Harrell-IL)

F R A N C E R.France Intl
 15300 1620 RFI: EE-Mx pgm, letters, & nx.(353 12/12 Spremo-NY)(
 15195 1910 RFI: FF-OM w/talks mentioning N.Amer.(344 12/21 Miller-CA)
 17620 1645 RFI: EE/FF-OM w/Paris Calling Africa.(444 12/6 Valentine-CA
 (Miller-CA)
 17775 ???? RFI: FF-2 OMs with a discussion in FF.(444 12/12 Konen-WI)
 21580 1630 RFI: EE-Paris Calling Africa, OM talks about Namibia.(322 12
 /31 Hosmer-MI)(Timofeev-LA)(Harrell-IL)(Fraser-MA)(Thompson
 -CA)
 21595 1608 RFI: FF-the song Lasissez Passer la Chanson and more FF
 songs.(555 12/20 Robichaud-MB)
 21620 1600 RFI: EE-MX, Mx, listeners letters.(444 12/26 Hahn-CA)(
 (Manning-TX)(Schlesinger-TX)

G E R M A N D E M O C R A T I C R E P U B L I C R B I
 9560 0400 RBI: EE-Nx, cmtry, & features on GDR.(433 12/21 Evans-TN)
 (Harrell-IL)(Moore-TX)(Valentine-CA)
 9620 2130 RBI: EE-Nx, cmtry, sports, & pop mx pgm.(343 12/23 Zilmer-
 NM)(Schlesinger-TX)
 9730 0101 RBI: EE-OM w/pgm of nx, & talk on human rights.(242 12/21
 Miller-CA)
 11890 0330 RBI: EE-Nx, cmtry on USSR & Peace.(333 12/26 Krist-VA)
 11975 0230 RBI: EE-the R.Berlin DX Club pgm.(333 12/20 Sienicki-NJ)
 15240 1300 RBI: EE-Nx pgm. & talk on Peace.(333 12/18 Krist-VA)
 21465 1540 RBI: EE-Reception reports read, mx pgm.(333 12/12 Hosmer-
 MI)(Krist-VA)(

G E R M A N F E D E R A L R E P U B L I C Deutsche Welle
 3995 0547 DW: GG-Anncr mentions DW, then sudden S/off.(433 12/20
 Leonard-ME)(Saunders-NJ)(Hosmer-MI)(Cohen-PA)
 5960 0531 DW: EE-A talk on Astrology in Germany.(544 12/19 Leonard-ME
 6030 2244 SDR: GG-EZL mx pgm, & ID.(333 12/13 Stephany-NY)
 6040 0140 DW: EE-OM w/ID, & talk on science.(445 12/14 Addison-KS)
 (Valentine-CA)
 6086t 0633 Bayerischer Rundfunk: GG-Talk, possibly a dramatic pgm.(212
 12/19 Schlesinger-TX)
 6145 0100 DW: EE-Wld nx, & Microphone on Europe.(444 12/4 Hill-SC)
 (Berkholtz-MN)(Krist-VA)
 6185 0455 DW: EE-ID, freqs, & pgm of nx.(544 12/19 Leonard-ME)
 6190t 0750 R.Bremen: GG-polka like mx, w/OM & YL, IS on accordian.(345
 12/19 Hardester-NC)
 7235 0303 DW: GG-pgm of nx. Ham QRM.(333 12/6 Berkholtz-MN)
 7265 0041 Sudwestfunk: GG-Mx pgm by OM, heavy QRM.(312 12/14 Schle-
 singer-TX)
 9545 0500 DW: EE-Nx pgm, Press Reveiw, cmty on acid rain.(433 12/23
 Coutermarsh-VT)
 9615 1630 DW: EE-Nx pgm, cmtry, mx, freqs, all w/OM.(433 12/9 Carlson
 -WA)
 9640 0100 DW: EE-A political message of Peace.(555 1/2 Wieboldt-FL)
 9765 2103 DW: EE-OM w/nx, good signal.(443 12/18 Schlesinger-TX)
 15135 1500 DW: EE-Nx on Window on the World.(444 12/27 Hahn-CA)
 17780 1518 DW: GG-IS(piano jingle), ID.(422 12/20 Leonard-ME)
 21500 2045 DW: GG-OM w/pgm of mx.(444 12/4 Langlois-GA)
 21600 2000 DW: GG-Pop mx pgm, ID, & freqs.(455 12/19 Wood-LA)(Addison
 -KS)(Leonard-ME)

G R E E C E Voice of Greece
 9865 0130 VOG: EE-ID, Nx, reading slowly.(453 12/4 Schlesinger-TX)
 (Preston-CA)
 15050 1540 VOG: EE-OM w/nx in EE, ID, & freqs.(232 12/31 Hosmer-MI)
 (Hill-SC)
 15120 2030 VOA: EE-Pgm of Afr style mx, & ID.(353 12/27 Fraser-MA)
 17560 1540 VOG: EE-Nx until 1549, then into GK.(333 12/30 ZilmerNM)

H U N G A R Y R.Budapest
9835 0200 RB: EE-Nx & cmtry.(343 12/28 Grishin-ONT)
9585 0400 RB: EE-the R.Budapest DX show.(222 1/5 Coutermarsh-VT)(Krist VA)
9835 0200 RB: EE-Nx pgm, & cmtry on Madrid conf.(454 12/19 Krist-VA)

I C E L A N D The Icelandic State Broadcasting Service
13797 1900 ISBS: IC-Talk on economy by OM/YL.(poor 1/1 Konen-WI)

I T A L Y R.Milano Intl Italian Besting Corporation
6221 0450 RMI: EE-IDed as 101 stereo, & RMI.(fair 12/12 Lobdell-MA)
(Stephany-NY)(Provance=OH)(Cucura-PA)
6275 0615 IBC: EE-Pop mx pgm, very weak.(1/2 Fisher-MA)(Cucura-PA)
(Provance=OH)
9575 0100 RAI: EE-YL w/ID, nx pgm, & mx pgm.(444 12/19 Krist-VA)
(Berkholtz-MN)

L U X E M B O U R G H R.Luxembourg
6090 0000 RL: EE-Euro pop mx, bad het & CW QRM.(222 12/19 Schlesinger -TX)(Spremo-NY)

M O N A C O Trans World Radio
9495 0725 TWR: EE-IS to 0725, s/on, scripture, then "Back to the Bible"
(443 12/29 Thompson-CA)(Wood-LA)(Spremo-NY)(Ruckman-OH)
11655 1505 TWR: RR-OM w/EE ID & YL w/RR ID, them rel pgm.(333 12/25
Thompson-CA)

N E T H E R L A N D S R.Nederlands
15220 2115 RN: EE-OM w/ID & mx.(544 1/1 Valentine-CA)
15560 2030 RN: EE-Nx about Soviet troops in Afghanistan helping the
rebels.(444 12/30 Hahn-CA)(Robichaud-NB)
17605 1456 RN: EE/FF-Live mx pgm, annrc gives a special message in FF.
(443 12/19 Leonard-ME)
21685 2050 RN: EE-the "Shortwave Feedback" pgm.(454 1/8 Muzyka-NY)

M A L T A DW: EE-the "Press Review" pgm of nx.(433 12/18 Munster-GA)
(Schlesinger-TX)
This one is a bit out of order, sorry.....tml

N O R W A Y R.Norway
15225 2003 RN: EE-Weekly EE pgm, weak and QEMed by Holland & WYFR.(222
12/19 Schlesinger-TX)
26615 1330 RN: EE-ID, requery for mail, address given.(444 1/2 Leonard
ME)
25730 1700 RN: EE-ID, nx, then into NW.(253 12/12 Spremo-NY)
26030 1400 RN: EE-Nx pgm, talk on Christmas gifts, including a wrist-
watch with a built in 2 band radio.(554 12/19 Fraser-MA)
Thats what I need is a wrist radio to listen to shortwave
at work. Do any of you remember the little wrist radio of
the early sixties (crystal) with an earphone. Actually it
would be very easy to build one out of an old watch case,
a diode, 2 capacitors, and a small coil. ...tml

P O L A N D R.Polonia
7125 2246 RP: EE-Talk on wages & labor, mx pgm.(433 12/19 Krist-VA)
11840 1130 RP: EE-Pgm of Polish rock mx, sked.(443 12/7 Schlesinger-TX)

P O R T U G A L R.Portugal
6025 0314 RP: EE-YL w/nx, ID, mx, & sked.(433 1/7 Famularo-NJ)
(Hotaling-NV)
6075 0545 RP: EE-talk on local elections in Portugal.(433 12/5 Sienicki
-NJ)
9575 0548 RP: EE-YL w/cmtry on Brazil, IDs.(434 12/19 Wood-LA)(
Piatelli-CA)(Timofeev-LA)
11730 2339 R.Renascenca: PP-pop mx pgm w/YL.(333 12/18 Schlesinger-TX)
11925 0310 RP: EE-Nx pgm, ID, sked.(444 1/9 McCants-AL)(Timofeev-LA)
(Krist-VA)(Berkholtz-MN)(Addison-KS)
15250 1800 RP: EE-IS, ID, nx pgm.(222 12/20 Zilmer-NM)
21685t 1608 RP: EE-Nx of Afr, Afr type mx pgm.(342 12/18 Schlesinger-TX)

R O M A N I A R. Bucharesti
6155 0405 RB: EE-Nx & cmtry, ID. NoWRNO tonight??(233 1/2 Hosmer-MI)
9550 0200 RB: EE-Nx pgm, talk on foriegn trade.(333 12/9 Krist-VA)
9570 0100 RB: EE-Nx pgm, too weak for audibility.(apparent nx)(121
12/14 Schlesinger-TX)

S P A I N. R. Exterior de Espana
9630 0000 REE: EE-OM w/nx, pop mx pgm.(323 12/31 Preston-CA)(Langlois
GA)(Traver-CA)(Manning-TX)(Miller-CA)(Piatelli-CA)(Addison-
11880 0100 REE: EE-Talk on Army rock group, cooking, & shipbuilding.
(554 12/24 Fraser-MA)(Krist-VA)(Thompson-CA)(Valentine-CA)
(Addison-KS)(McCants-AL)(Valentine-CA)(Pettengill-ME)
15190 2104 REE: EE-pgm of Spanish songs.(333 12/18 Robichaud-NB)
15375 2035 REE: EE-OM w/nx pgm, & ID.(322 12/22 Manning-TX)(Zilmer-NM)
(Schlesinger-TX)
15535 2100 REE: SS-Nx, cmtry, many IDs as REE.(343 12/29 Zilmer-NM)
15630 0155 REE: EE-the DX Report, annmnts, & S/off.(343 12/27 Hensley-
TX)
17660 1715 REE: SS-Songs sung by Maria Dolores.(444 12/26 Grosvenor-CA)

S W E D E N R. Sweden Intl
9695 0240 RSI: EE-Talk on elections & politics.(443 12/28 Forbes-TX)
(Krist-VA)(Berkholtz-MN)(Addison-KS)
11705 0230 RSI: EE-A discussion on Ambassador fishing reels.(534 12/20
McKeon-IN)(Addison-KS)(Harrell-IL)(Coleman-MA)(Krist-VA)(
21615 1400 RSI: EE-IDs, & nx on "Weekday Thursday"(444 12/16 Spremo-NY)
(Schlesinger-TX)(Wieboldt-FL)

S W I T Z E R L A N D Swiss Radio Intl
6135 0148 SRI: EE-Plea for SWLs tapes, mx pgm.(434 1/2 Pettengill-ME)
(Krist-VA)(Schlesinger-TX)(Addison-KS)
7210 0601 Red Cross Radio: EE-OM w/ID, talk on activities of the ICRC
(344 12/27 Stephany-NY)
9530 2014 SRI: SS/EE-IS, ID, nx pgm on Dateline.(333 12/6 Smith-FL)
9725 0445 SRI: EE-pgm of wld nx.(323 12/7 Lord-CA)(Addison-KS)
11715 0150 SRI: EE-talk on death of Arthur Rubenstein.(444 12/20
Harrell-IL)(Piatelli-CA)
17830 1530 SRI: EE-Nx pgm.(444 12/27 Hahn-CA)
21570 1315 SRI: EE-ID, nx pgm, cmtry on missles in Europe.(444 12/22
Harrell-IL)(Robichaud-NB)(Manning-TX)(Hosmer-MI)(Smith-FL)
25780 1027 SRI: EE-IS, YL w/ID, & a yodel pgm.(252 11/18 Sugai-Japan)

U N I T E D K I N G D O M BBC
3970 0410 BBC: EE-OM&YL w/talks & ID.(222 12/17 Saunders-NJ)
5975 0503 BBC: EE-Wld nx pgm, ID.(434 1/3 Leonard-ME)(Krist)(Addison-
6120 2305 BBC: EE-Nx pgm, talk on US involvement in Lebanon.(433 12/9
Harrell-IL)(Piatelli-CA)(Addison-KS)
6175 0205 BBC: EE-OM w/ID & wld nx.(444 12/10 Addison-KS)
7185 0625 BBC: EE-OM w/cmtrys & nx on Press Review.(433 1/6 Berri-CA)
9590 0015 BBC: EE-Talk on martial law in Poland.(545 12/12 Stewart-OH)
9600 0600 BBC: EE-OM w/talk on Indias Premier Mrs Gandhi.(333 1/7 Traver
9770 0030 no data
11750 0020 BBC: EE-Nx on Thatchers visit to Falklands,(434 1/11 Duncan
NC)
11820 2115 BBC: EE-"Calling the Falklands"(433 12/28 Hill-SC)
12095 1709 BBC: EE-Wld nx pgm, mx pgm.(444 12/5 Leonard-ME)
15060 2000 BBC: EE-nx in the Wld Service.(444 12/4 Langlois-GA)
15070 1830 BBC: EE-Special on 50th anniversary of the BBC.(444 12/19
Muzyka-NY)(Leonard-ME)(Krist-VA)(Berkholtz-MN)(
15260 0105 BBC: EE-DX pgm w/letters from listeners.(433 1/11 Duncan-NC
17790 1513 BBC: EE-"Radio Newsreel", ID.(444 12/20 Leonard-ME)
17830 1650 BBC: EE-OM w/ID, sports report.(444 12/11 Addison-KS)
21470 1533 BBC: EE-Talk on a Japanese who attempted to climb Mt Everest
but who is now believed to have died on his way down.(444 12
/30 Leonard-ME)
21710 1700 BBC: EE-YL w/wld nx pgm, & ID.(444 12/31 Hosmer-MI)(Lord-CA
25650 1430 BBC: EE-"Smash of the Day" one of the Goon Show series.(554
12/19 Freser-MA)(Langlois-GA)

Not enough room here to start the USSR. Here is a plea for some more input from readers. Do you read the listings for the USSR?

5960	1636	RM: EE	Palmer-WA	9775	1819	RM: EE	Palmer-WA)
6010	1853	RM: EE	Famularo-CA)	9790	0315	RM: EE	Smith-FL)
6115	0339	RM: EE	Berkholtz-MN)	9810	0359	RM: RR	Traver-CA)
7115	0259	RM: EE	Berkholtz-MN)	11840	1959	RM: EE	Grijalva-AZ
7135	0444	RM: EE	Leonard-ME)	11864	1745	RM: ??	Valentine-CA
7150	0000	RM: EE	Fraser-MA)	12010	1711	RM: EE	Leonard-ME)
7170	0615	RM: EE	Preston-CA)	12050	0431	RM: EE	Smith-FL)
7195	0036	RM: EE	Berkholtz-MN)	15455	2305	RM: EE	Schlesinger)
9450	0605	RM: EE	Berri-CAO	11770	2210	RM: EE	Schlesinger)
9545	1620	RA: RR	Robichaud-NB)	15100	0300	RK: EE	Ruckman-OH)
9550	0610	RM: EE	Berri-CA)	15240	0030	RK: EE	Manning-TX)
9580	2020	RK: EE	Coutermarsh-VT)	17810	1444	RM: EE	Leonard-ME)
9685	0030	RK: EE	Fraser-MA)	17870	0353	RY: EE	Hensley-TX)
9750	0643	RM: EE	Coutermarsh-VT)	21565	2339	RM: EE	Provance-OH)
9765	2316	RM: EE	Berkholtz-MN)				

Abbreviations: RM - R.Moscow RY - R.Yerevan RK - R.Kiev RA - R.Atlantik

V A T I C A N S T A T E R.Vaticana

6015	0110	RV: EE-A	religious sermon.(444 12/20 Shorock-KS)
9605	0500	RV: PO-Pgm	of Polish nx.(322 12/3 Sienicki-NJ)(Schlesinger-TX)(Krist-VA)(Shorock-KS)
11810	1600	RV: EE-IS, ID,	excerpts from Popes speech.(444 1/4 Carlson-WA)
17865	1600	RV: EE-Cmtry	on world peace.(333 12/30 Zilmer-NM)
21725	1400	RV: ??-IS, ID,	& talks.(242 12/29 Zilmer-NM)

Y U G O S L A V I A R.Yugoslavia

9620	2242	RY: FF-YL	w/nx, folk mx.(322 12/12 Wood-AL)
	2215	RY: EE-YL	w/nx pfm.(332 12/18 Schlesinger-TX)
	2215	RY: EE-OM	w/nx pgm.(433 12/3 Krist-VA)
	2215	RY: EE-A	review of Asian papers.(211 12/12 Ruckman-OH)
	2221	RY: EE-YL	w/nx pgm, mx pgm, & ID.(434 1/3 Stephany-NY)

EUROPE *** EUROPE *** EUROPE *** EUROPE *** EUROPE ***

German Federal Republic/Malta : The Times, a newspaper in Malta stated that DW had 2 sites in Malta, one known as the In-Nigret and the other as Xrobb, and that broadcasts had been resumed at 12 noon on Dec. 2 which was exactly 3 months since the power was cut off following the enactment of the Foreign Interference Act. (BBCMS)

Greece : The ERT reported on Dec. 6 that the Greek Communications Ministry would acquire a center in 1983 for checking radio freqs. It is to operate on a 24 hour basis and aid in the immediate location of illegal radio stations. (BBCMS) Free radio operators beware... tml...

Poland : The Polish Radio & Television paper "Antena" in its November issue published some statistical data on radio receivers in Poland. 90 % of Poles have access to radio at home. 99 % of receivers can receive long & medium wave broadcasts. 99 % of receivers can receive shortwave & medium wave broadcasts. 9 % of receivers can receive VHF/FM stereo broadcasts. (BBCMS)

Compare this to what you think it might be here in the US and you might find it interesting, I did. tml...

Poland : Look for Polish station Rozglosnia Harcerska on 6195 at 1055 to 1500. It is a station for young people, and produced by young people for a variety of subjects. (BBCMS)

I appreciate all the input about the column last month. I can assure you that I will never try that again. 17 votes against and 0 for is enough to tell me that it was not a very good idea. Actually I didn't care for it either, but once I had done it I couldn't change it. Reader input to this column is always welcomed, so whatever you have on your mind please feel free to drop me a line about it. I do read them with interest and file them away. Except for the ones that I think might be of interest to the President or Managing editor. I send those to them to read.

I didn't get the Commadore 64 so I am considering buying a ZX-81 because you can get a CW interface for it. And save a lot of money too. I hope to have one soon.

Tonight it is 19 degrees here and we have some snow and sleet moving in. Yes it does snow here once in a while. We are in N.Amer you know.

I hope everyone has a nice February. Until next month 73.

76 17

SWBC DX

AFRICA



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

FEBA

Seychelles



Radio Television Kaduna

ASCENSION ISLAND

7105 0420 BBC Relay; OM w/nx in EE, 12/19 (Piatelli, CA)
15260 0000 BBC; EEnx, Dickens' "Bleak House" chapter read, 454,
12/17 (Fraser, MA); 1630, EE, phone in px w/OM answering
listener's questions, break at 1700 for nx
(Stephany, NY); 2250, Sports call px, 12/12 (Ruckman, OH)
15400 0630 BBC; nx, mx, 12/22, 322 (Hahn, CA) More details, please.

ANGOLA

4885 0500 Em. Provincial do Zaire; PP, anthem like mx, then
possible ID by YL at 0500, "Rep de Angola...Radio
Estacao Zaire," drum IS, nx, native mx, poor/fair, 12/18
(Parks, FL)
5012.3 2300 Em. Regional do Mocamodes; PP, tx by OM, sounded like
nx, ID, NA, s/off 2313, 12/16, 232 (Sharp, FL)
5060 2238 Em. Regional do Huambo; PP, tx by OM, mention of Angola,
but lcl QRN prevented ID, so label "tent" 222, 12/25
(Sharp, FL)
9535 2255 R. Nacional de Angola; PP, mx, then nx, ID by OM, 333,
1/2 (Berkholtz, MN)
11955 0521 R. Nacional; PP, tx by OM, brief mx, tx by OM & YL
(Sharp, FL); 0542, inordinate amount of hostile mentions
of "Washington" and "America" 12/19 (Ruckman, OH)

BENIN

4870 0530 ORTB; FF, mx in FF, 342, 12/18 (Konen, WI) **Welcome
back to the DXing hobby, and SPEEOX, Mark! mln.
0519, FF, mx OM w/ drum intervals, trad. mx, ID, 12/22
(Speer, CA); 0611, FF, continuous Afro mx, ID by OM in
FF, 12/30 (Sharp, FL)

BOTSWANA

3356 0345 R. Botswana; Setswana, cowbell IS, NA, prayer, strong
het on freq made listening unpleasant, 312, 12/25
(Sharp, FL)**Not hrd much on this freq in Chicago. mln.
4845 0400 R. Botswana; nx by YL in Setswana, into mx (Sharp, FL)

CAMEROON

4000 0540 R. Bafoussam; EE nx by YL, ID, into mx, 12/22 (Ulmer, LA)
4850 2110 R. Yaounde; EE, nx, ID as "Radio Cameroon," sports nx,
343, 1/6 (Famularo, NJ)
5010 0445 R. Garous; OM w/speech, native mx, probable ID, but not
totally sure, so label "tent" (Valentine, CA)**How do
you like the new Icom IC-R70, Fred? Looks like a nice
rx! 0453, FF, afro song, nat'l nx from Yaounde at 0500,
453, 12/19 (Robichaud, NB); 2210, FF tx by OM (Konen,
WI); 0532, EE, "This is nat'l svc of Radio Cameroon.
Here is the news." 353, 12/29 (Krist, VA); 0516 (Sharp)

CENTRAL AFRICAN REPUBLIC

5035 0652 LV de CAR; FF, Afro chants, OM ID, unusually poor
reception this AM, 222, 12/30 (Sharp, FL)

EGYPT

9475 0200 R. Cairo; EE, Egyptian mx, mail call, 12/29 (Grishin,
ON); 0245, EE, "Tour of Cairo", mx, letter by David
Johnson, mx, ID, 12/13 (Manning, TX); 0248, EE, "The
Enigma of Life," AA song, radio px for women, included

chicken dish, mx & nx, 12/24 (Timofeev, LA)**Why the *&# didn't you include the recipe with your report--those are the kind of details I like to print! 0235, EE, tx nx abt Mubarak's Euro visit at 0315 (Harrell, IL)

12000 0225 R. Cairo; EE, YL w/IO, spotlight cmt, 12/14 (Addison, KS); 0200, IO, into "Tourism in Egypt," nx, etc (Krist, VA); 0230, EE, IO "Radio Cairo," nx, mx (Forbes, TX)+1

ETHIOPIA

7110 0328 V. Revolutionary Ethiopia; Amheric, neat-sounding flute IS (you bet!), NA, brief tx by OM, into lcl mx, this is an interesting station, 333, 12/25 (Sharp, FL)**Sure it is--as long as you speak Amheric...mln.

GABON

4777 2350 RTV Gabonaise; FF, tx by OM, sounds like nx, IO, mx, NA to 0001*, 333, 12/26 (Sharp, FL)

4810 0540 Africa #1; FF, nx in FF by OM, IO'd by correspondent's report ending with name and "Africa Number Un." 12/31 (Hosmer, MI); 0500, FF, OM tx, YL IO, US rock mx, FF and Afro mx, announced by sexy-sounding YL DJ, //11940, 333, 12/30 (Bill Preston, CA); 0515, pop mx (Speer, CA); 2215, FF, pop mx, OM DJ, guitar mx (Famularo, NJ); 0512, YL IO, native pops, some very nice, really booming in, but contantly fading and returning, 12/22 (Halbert, CA)

15200 0645 Africa #1; FF, IO at 0645, pop mx by Judy Collins, Marlboro ad w/orig. theme (Wettersten, OH); tent at 0903, FF, OM tx w/FF and EE pop mx, many IDs (Morrison, NC)**Pretty late, but possible on ECNA. 0610, mx w/comedy spots, 433 (Ruckman, OH)

15435 2055 RFI Relay; FF, EZL mx w/OM IO, more mx, 433, 12/22 (Manning, TX)

GHANA

4915 0602 GBC; EE, OM nx abt. Malawi and Zambia, IO at 0606, 333, 12/30 (Sharp, FL)

GUINEA

4910 0402 LV de la Revolution; FF, nx by OM, IO, some QRM by Zambia, which is currently on 4910.8 kHz, 333, 12/25 (Sharp, FL)**David, I hope you are using a digital readout on your HQ-129X. If not, your frequency measurement techniques must be interesting indeed. mln.

IVORY COAST

4940 2200 RTVI/R. Abidjan; FF, nx by OM, casual IO as, "Ici Abidjan," into mx, 333, 12/25 (Sharp, FL)

LESOTHO

4800 1845 R. Lesotho; Sesotho, tx, IS, more tx by YL, 252, 12/13 (Sugai, Japan); 0421, Sesotho tx by OM, IO at 0430 then lcl mx (Sharp, FL)

LIBERIA

3255 0550 ELBC; EE, "The New Liberia: Armed Forces Radio Magazine," px, 1/1 (Pettengill, ME)

4765 0620 ELWA; EE, tx by OM, mx and tx about the Bible (Saunders, NJ); 0641, relig px, IO at 0645 as "ELWA, broadcasting from Monrovia, Liberia," 433, 12/30 (Sharp, FL)

6135 0906 ELWA; EE, OM w/px on Joshua, Christ, etc. (Thompson, CA)

15600 1910 VoA; EE, Afro Panorama, panel discussion by religious leaders, 433, 12/31 (Hahn, CA)

21660 2255 VoA; EE, VoA Jazz Hour, then nx, 12/18 (Leonard, ME)

LIBYA

SPLAJBC anc'd at 1755 on 12/19 that it was on 6185, 9600, 9615, 11825, 11865, 15240, 15250, 15280, 15415, 15425, 15430, 15455, 17645, 17930. It was traced on 6185, 15415, 15450, 17930 only (BBCMS via SPEEOXGRAM)

11815 2230 R. Jamahiriyah; EE, cmt, many IO's and px anmts, "Postbag", IO and mx to 2300 (Wettersten, OH); anti-US tx and AA mx at 2333 (Hosmer, MI); 2250, EE, IO, mx, "Green Book solution to the problem of Democracy--the

Authority of the People," nx, press review (Hahn, CA);
2248, EE, px on reception reports, traditional Libyan
mx, excerpt from Green Book (Manning, TX) 2340 (Harrell)
17930 1545 SPLAJBC; AA, OM ranting and raving 'bout something, 444,
12/30 (Mark Konen, WI)

MAOAGASCAR
3288 2037 R. Madagascar; FF, px of pop mx, tx by OM, into chants,
s/off at 2100, 322, 12/26 (Sharp, FL)
11740 1843 RN Relay; EE, "Happy Strn XMAS Show" (Provance, OH)
15220 2031 RN; EE, OM nx, "Nxline" px, look at 1982 (Thompson, CA)
21685 *2030 RN; EE Afro Svc, "Current Affairs" (Krist, VA)

MALI
4783 0555 R. Mali; FF, harp IS, gong, ID by deep-voiced OM, "Ici
Bamako...de Mali," 333, 12/25 (Sharp, FL)
7110 0710 R. Mali; s/on w/long brassy NA, this went on and on
until 0725, when FF OM gave ID, s/on (Nikolich, IL)
7271 *0659 R. Mali; FF, NA, s/on, mx to 0715, OM tx, //7110,
perhaps this freq is weekends only, 12/12 (Wilkins, CO)

MAURITANIA
4845 0618 RN du Mauritanie; AA, end of Koran, into drama px, tx by
YL, 545, 12/30 (Sharp, FL); 0630, AA/FF, chants by OM,
tx by OM, possible ID, 12/17 (Saunders, NJ)

MAURITIUS
9710t 1044 MBC; tx by OM, sounds like a Vern lingo, tent ID at 1045
w/YL mention of Mauritius, 222, 12/25 (Sharp, FL)**Be
very careful with this one...Peking and Australia share
frequency throughout the morning.

NAMIBIA
4965 0357 R. Southwest Africa; Afrikaans, ABBA mx, IDs by OM at
0400 and 0402 w/guitar interludes and intro to nx by OM
until 0415, ad in EE/AK for Beatles--into
rockabilly/polka px, 12/18 (Stephany, NY)

MOZAMBIQUE
R. Mozambique has been hrd on 3208 in PP w/a multi-lang ID, "This is
RM, Maputo" (Zimmerman, OMDXC via Jan. 1983 SPEEDXGRAM). Noted on
3340t at 0300 in PP w/Afro mx, not //3208, 1/3 (Sams, OMOXC via
SPEEDXGRAM). 9619, 1900, RM, IS, Afro mx (Bodell, OR via SPEEDXGRAM)
15296.5 0456 R. Mozambique; xlnt at t/in w/PP OM OJ, many IDs and
mentions of Maputo, PP pops and lcl flue mx, Angola on
11955 in well too at 0430 (Terry Krueger, FL, 12/16 via
DX South Florida)

NIGER
5020 0530 ORTN; FF, military sounding NA, ID by OM w/s/on anmts,
333, 12/27 (David Sharp, FL); 0605, uptempo mx, chants,
YL in FF, 12/19 (Konen, WI)

NIGERIA
4770 0628 FRCN/Kaduna; EE, lcl pop mx w/OM DJ, 0630, ID by OM,
444, 12/30 (Sharp, FL); 0625, tx by OM w/mention of
Nigerian schools, 12/17 (Saunders, NJ); 0400, EE, OM
w/nx, 353, 12/20 (Provance, OH)
7255 0500 Voice of Nigeria; EE, nx, station was QRMing itself by
continuing tuning signal, then NA on top of nxcst,
problem continued for 15 minutes, 12/20 (Shorock, KS);
0550, EE, OM, nx and mx (Valentine, CA)
11940 1645 VoN; no ID, but fairly certain w/FF OM nx, native drum
mx, 1/4, label "tent" (Valentine, CA)
15100 1937 VoN; FF, ID by OM at 1930, Afro mx, nothing noted on
15120, 434, 12/26 (Sharp, FL)
15120 1648 VoN; EE, OM w/Nigerian nx, afro mx (Thompson, CA); 2100,
EE, two OMs w/px abt artistic development of Nigerian
culture, into native mx (Stone, ON); 2131, EE w/nx by
OM, cmty, nx editorials, mx (Manning, TX); 1005, EE
w/afro mx, ID, QRM de Australia/15115 (Morrisson, NC);
0500, EE nx, clear of problem found on 7255, 12/20
(Shorock, KS); 2119, Afro mx, EE (Tom Smith)

17800 1840 VoN; EE, end of nx, IO, cmty, 12/21 (Ulmer, LA)

RWANOA
17860 2200 OW Relay; German, nx w/OM, IO in FF, hrd on 21600 at 2400 with similar px (Berkholtz, MN)

SIERRA LEONE
5980 0658 SLBC/Freetown; EE/Vern, EE w/obits and church nx of Freetown, XMAS greetings, 12/25 (Konen, WI); 0638, EE w/OM, TC w/YL, into EE nx, QRM de WYFR/5985 (Hardester, NC)

SEYCHELLES
11895 1515 FEBA; EE, evangelist and choir w/XMAS mx (Thompson, CA)

SOMALIA
6790 0419 R. Mogadishu; lang, native type songs in lang, 433, 1/3 (Cohen, PA); 0427-0501*, AAmx, mention of Somalia at 0430, more mx, 12/23 (Ruckman, OH); 0300, AA, NA, anmts by OM, ID, into Koran (Sharp, FL)

SOUTH AFRICA
4835 2140 SABC; EE, concert until 2222 when OM came on w/ID and s/off anmt, into NA, 2224*, 1/4 (Stephany, NY)
4880 0347 SABC; Afr, IS, IO and greetings to listeners by OM (Sharp, FL)
4990 0330 RSA; EE, tx by OM on coal mining in S. Africa, //3230, 454, 12/31 (Sharp, FL)
7270 0300 RSA; EE nx, "Focus on Progress" px, "Good Morning Africa," 333, 12/18 (Krist, VA)
9615 0250 RSA; OM ID in EE, nx (Addison, KS); "Africa Today" (Bonnie Wieboldt, FL)**Welcome to SWBC/Africa, Bonnie!
11730 0230 RSA; EE mailbag show, mx, 12/13 (Hill, SC); 0245, EE, OM interview w/ham radio operators, //9580 (R. Coleman, MA); 0226, EE, XMAS px (Hensley, TX); 0222, EE/Afrikaans language lesson (Berkholtz, MN)+3
11900 0630 RSA; EE px to Africa, cmty on achieving peace in southern Africa, "Good Morning Africa" px (Preston, CA); 2145, EE "DX Corner," into to band scanning, radio clubs, 12/18 (Robichaud, ON); 2115, EE nx (Valentine, CA)
15115 0000 RSA; EE, OM, phone calls from all over the world on New Years, 1/1 (Valentine, CA); 2115, EE, telephone call-in program, 12/31 (Grijalva, AZ)
15325 0210 RSA; EE, commentary on nuclear disarmament (Thompson, CA); 0219, EE, "Hello from Capetown," "Question Time" px, 12/30 (Krist, VA); 0232, "P.O. Box 4559," read letter from SPEEDXer Phil Dampier (Harrell)
25790 1344 RSA; EE "Question Time", ID, TC, gave freqs, then "Conversation Corner" (Leonard, ME); 1257 (Berkholtz, MN)

SWAZILAND
7295 0400 TWR; German, relg px after 0400 s/on (Konen, WI)
9725 0428 TWR; EE, chime IS, ID, lcl TC, tx by Irene Goodman, morning show host, 12/27 (Sharp, FL)

TANZANIA
5050 1844 R. Tanzania; Swahili, Afro pops, ID, nx, tx (Sugai, Japan)

TOGO
5047 0615 R. Togo; FF, continuous tx by two OMs, IO at 0621, 544, 12/28 (Sharp, FL); 0535, FF, OM nx, brief anmts between mx selections, 12/22 (Palmer, WA); *0529, IS, s/on, ID, nx, mx, IO at 0600, nx at 0615 (Speer, CA); 0529-0552, FF OM tx (Ruckman, OH, Halbert, CA) 2210 (Konen, WI)

TRANSKEI
3930 0338 Capitol Radio; EE, U.S. and Euro pop mx, wx, PSAs, QRM de AROs, 333, 12/31 (Sharp, FL)

TUNISIA
7225 0430 RTVT; AA, IO by OM, into lcl mx, first time clear in a decade, 12/28 (Sharp, FL); 0448, non-stop chants, 12/10 (Ruckman, OH)

UPPER VOLTA
4814 0530 RTV Voltaique; FF, xylophone IS, OM ID in lcl vern/FF, military-sounding NA, 322, 12/31 (Sharp, FL)

ZAMBIA
4911 0350 ZBS; Vern, fish eagle IS, IO by OM, into prayer or hymn, 12/28 (Sharp, FL)

4845 0953 ER do Vige Angola???, nonstop Afro mx, no IDs, too early for Botswana, too late for Mauritania and too weak, 12/28, 232 (Thompson, CA)**Why so sure this may be Angola?

11365 2122 Voice of the Libyan People; AA, dogmatic-sounding OM, silence from 2124-2138, returned w/ID, long tx, 2 OMs in chant-like dialog, child briefly singing, OM sked (heard mention of band and kHz several times), trumpets at 2207*, constant QRM, probable jamming, 1/6 (Famularo,NJ)

SEYCHELLES FEATURE

WE LISTEN AS THEY PLOT A COUP

You probably wouldn't have heard it on FEBA, but if you lived in London and owned a scanner, something even more interesting was being broadcast on 105 MHz.

Three Seychellois who oppose Seychelles President Albert Rene were planning to overthrow the government. The three, Gerald Hoareau, former chief immigration officer, Edmond Camille, former first secretary, and Paul Chow, a newsagent on the islands, were meeting in what they believed was total secrecy in the Carlton Tower in London's Belgravia.

Unbeknownst to them, their room was bugged, and anybody with a VHF receiver within a 100 yards or so of the Carlton Tower would have been able to hear the broadcasts!

The story began in 1977 with the overthrow of former Seychelles President James Mancham by his own Prime Minister Albert Rene. Mancham, a London-trained barrister with a flamboyant lifestyle, had been resolutely pro-western and believed that the future of the islands would be assured if he courted enough investments.

Rene, though, was not interested in turning the Seychelles into a playground for rich tourists. He was a hardline Socialist who was determined that the Seychelles should remain non-aligned. He was also determined to crush right wing and liberal opposition; something that was easily accomplished by putting critics into jail without trial. His behavior soon attracted the interest of the super powers.

The Seychelles are not just strategically important; the waters around the islands almost certainly contain large oil reserves. Since 1977, various governments, including the French and the Italians, have tried to curry favor with Rene.

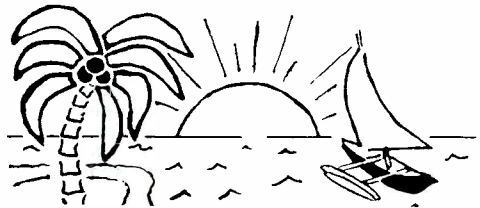
In 1981, their first attempt to stage a coup ended in fiasco. A group of mercenaries, led by the infamous Colonel "Mad Mike" Hoare--a veteran of numerous African wars--flew from South Africa to the Seychelles in a chartered Swazi aircraft. But Hoare's weapons were spotted at the airport and their was a brief flurry of gunfire before the mercenaries hijacked an Air-India plane to South Africa. Rene remained safely in power.

Hoareau, Camille, and Chow gathered at the Carlton Tower Hotel to make new plans to overthrow the government. As they talked, two correspondents from the London Sunday Times listened in--as did special agents of President Rene. The plan was in two stages. The first was a period of destabilization, when a mercenary vanguard infiltrated into the Seychelles would plant bombs and generally try to create an atmosphere of tension. Part two of the plan called for an invasion of the Seychelles by a ship of 300 mercenaries.

The coup never happened. On October 20th of last year, it was aborted when two men blew themselves up while making a bomb on a holiday beach 15 miles from Victoria, the capital of the Seychelles. When confronted with the details of what the London Sunday Times reporters heard on their VHF receivers, the three plotters denied their involvement or knowledge of the caper. However, they have admitted that they want to see President Rene overthrown. (12/82 New African). That's all the space for this month. CUN30.

ASIA-OCEANIA

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

ASIA

People's Republic of CHINA

5240	1554	Fujian Front Station/Px 1: Amoy; YL Tx (222 1/4 Grenier-CA)
5770	1235	FFS/Px 2: Amoy; OM/YL Play? (322 12/22 Wood-LA)
9820	1200	R. Beijing: EE; Nx, "Travel Tx", Letterbox" (454 12/7 Fraser-MA) (1200 454 12/16 Spremu-NY)
9860	2318	RB: SS; ID, YL Cmty (333 1/2 Berkholtz-MN) (Esperanto 1114 354 12/21 Ulmer-LA) (EE 0830 322 12/12 Hosmer-MI)
9920	1603	RB: Hindi; YL Tx, Px to India (222 12/21 Palmer-MWA)
9945	1130	RB: Viet; IS, ID Nx YL (453 12/21 Ulmer-LA) (? Lang 1145 233 12/20 Miller-CA)
11000	1122	CPBS/Minority Lang. Sce: Tibetan; OM/YL Tx, CC Vocals 343 12/21 Ulmer-LA)
11575	1802	RB: CC; YL Tx, Nx, ID, Mx, OM Tx (343 12/10 Palmer-WA)
11600	0930	RB: EE; Nx, Profile of snake bite specialist, (343 12/10 Wettersten-OH)
11650	0015	RB: EE; YL Nx, ID, Tx on communism (222 12/21 Hotaling-NV) (333 12/6 Berkholtz-MN)
11945	1155	RB: Camb; ID, OM IS, 1156* (333 12/21 Ulmer-LA)
15120	0008	RB: EF; ID, YL Nx (333 1/3 Berkholtz-MN) (0300 252 12/19 Provance-OH) (0100 444 12/8 Wettersten-OH) (0300 242 12/6 Wettersten-OH)
15135	1331	RB: ? Lang; (Distorted audio) IS, Tx (332 12/27 Ulmer-LA)
15520	0014	RB: EE; End of Nx, TX on 3rd World (222 1/5 Grenier-CA) (0031 433 1/3 Berkholtz-MN) (0115 343 12/30 Preston-CA) (0039 434 12/12 Stewart) (*0000 454 12/7 Krist-VA) (0130 433 12/6 Addison-KS) (0101 344 12/6 Manning-TX) (0000 555 11/24 McKeon-IN)
15600	0033	RB: SS; Mx (333 1/3 Berkholtz-MN)

Republic of CHINA (Taiwan)

5985	0312	Voice of Free China: EE/ YL, Contest for SWL, Nx "Today's Commentary", Mx (444 1/2 Pettengill-ME)
11745	0315	VOFC: CC; Mx, OM/YL, (444 12/9 Valentine-CA) (0415 444 12/8 Valentine-CA)
17800	0300	VOFC: EE; Nx/Features on Taiwan (322 12/20 Evans-TX)

Republic of INDIA

11620	1815	All India Radio: EE; YL Nx, OM ID, YL, OM Speech, ID 1830* (142 1/3 Preston-CA)
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Republic of INDONESIA

11790	0820	Voice of Indonesia: EE; "Popular Indo Mx", OM ID, Listeners' Mailbag (333 12/26 Sharp-FL) (400 433 12/22 Wood-LA)
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Islamic Republic of IRAN

15084	1500	VOIRI: Farsi; OM Tx (333 12/31 Hosmer-MI) (0729 444 12/5 Ulmer-LA)
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Republic of IRAQ

9744	2230	R. Baghdad: EE; Start of EE Px, YL ID, Fx listed as 9745 to USA from 0200-0300 (433 12/27 Sharp-FL)
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State of ISRAEL

7410 0100 Kol Yisrael: EE; Nx, "Weekend" rept on ME, (454 12/26 Fraser-MA) (0100 445 12/19 Provance-OH)
 9385 0551 Reshet Bet: HH; Fiat ad, ID, Jingles, Upbeat Mx (444 12/19 Ulmer-LA)
 9815 0502 KY: EE; Nx, OM (422 1/5 Grenier-CA) (0218-0225* Good 1/3 Pettengill-ME) (0013 333 1/2 Berkholtz-MN) (0500 444 12/31 Hosmer-MI) (0500 233 12/29 Preston-CA) (2230 333 12/12 Addison-KS)
 11637 0510 KY: EE; Christmas Mx from Bethlehem, FF 0515 (555 12/25 Timofeev-LA) (*2000 433 12/18 Krist-VA)
 11640 0500 KY: EE; OM/YL Nx, Wx (344 12/31 Preston-CA)
 11655 *0000 KY: EE; ID, Nx, Px (222 1/10 Duncan-NC) (2235 333 12/21 Addison-KS) (0100 544 12/2 Hill-SC)

JAPAN

3945 1507 JOZ 5/Nihon Shortwave Broadc. Co. Ltd: JJ; YL Mx (322 12/29 Thompson-CA)
 6115 0900 JOZ6/NXB: JJ; ID, "Nx Today" Mx YL (333 12/23 Ulmer-LA) (0821 433 12/17 Thompson-CA)
 9505 1201 R. Japan: EE; OM, Nx (S9 12/23 Piatelli-CA) (1058 422 12/21 Ulmer-LA) (0910 222 12/21 Wood-LA) (1505 223 12/4 Addison-KS)
 15235 2120 RJ: EE; OM/ID JJ Mx (333 12/1 Addison-KS)
 17755 2155 RJ:EE; OM Nx, Short Story, 2200* (322 1/1 Traver Smith CA)
 17825 2346 RJ: EE; Nx, Cmty, "Weekend Focus" (434 12/18 Provance-OH) (0140 443 12/11 Wettersten-OH) (*2345 353 12/8 Krist-VA) (0135 333 12/3 Addison-KS)

Democratic People's Republic of KOREA

9360 0713 R. Pyongyang:EE; Nx, ID, GG Sve as of 1/1/82 on 6576, 9360, 11660 from 1900-2000 (353 12/29 Ulmer-LA)
 9977 1142 RP: EE; Mx, ID, Cmty (333 12/22 Wood-LA) (1150 354 12/21 Ulmer-LA)
 11350 2337 Choson Chungan Pangsong/Pyongyang: KK?; Nx, YL (333 1/2 Berkholtz-MN) (2319 443 12/9 Ulmer-LA)
 15231 2300 RP: EE?; YL, Tx on Korea, Mx (121 12/23 McKeon-IN)

Republic of KOREA

6135 1300 R. Korea/Suweon: EE; Nx, Cmty, Seoul Report (242 12/21 Miller-CA)
 7550 1608 RK: EE; Cmty on Outlook of 983 (222 1/4 Grenier-CA)
 9570 1000 RK: EE; Nx highlights, OM/YL, Listeners Corner (444 12/19 Miller-CA)
 11830 1602 RK: EE; YL Nx (322 1/4 Grenier-CA) (0500 333 1/2 Miller-CA) (0628 444 12/24 Ulmer-LA) (0615 444 12/13 Valentine-CA)

State of KUWAIT

11657 1847 R. Kuwait: ? Lang; sum-up of world sports events of 1982 (232 1/2 McKeon-IN)
 15345 0530 RK:EE; ID, Px to SW to EAST SOUTH Asia, NX YL (423 12/12 Hosmer-MI)

Republic of LEBANON

6215.6 0423 Voice of Hope: EE; Ezl Mx, Christmas Mx, OM ID, address nx, YL Tx (232 12/19 Provance-OH)
 6550 0415 Voice of Lebanon: AA; ID, OM, Tx, Quran reading (333 12/27 Sharp-FL)

MALAYSIAPeninsular

15295 0705 Voice of Malaysia: EE; Malaysia in Progress Px (344 12/24 Sharp-FL)

Sarawak

4835 1254 RTMS-Kuching/Yellow Net: Bahasa Malaysia?; Christmas mx in native Lang (243 12/18 Shorock-KS)
 4950 1520 RTMS-Kuching/Red Net: EE; "World of Books" ID YL, Mx 444 1/3 Heller-WA)

Kingdom of NEPAL

9590t 1352 R. Nepal: EE; Tx OM, T-ID, Nx, Mx (222 12/26 Sharp-FL)

Islamic Republic of PAKISTAN

11670 1711 R. Pakistan: EE/Urdu; End of wld Nx, Mx, Comm. to end of EE at 1743*, YL/OM, End of EE "This is the World service of RP", Greetings, into Urdu (222 12/20 Palmer-WA)
 15530 1558 RP: EE; National Anthem, IS, ID, Fx sked, Nx 1615* (242 12/31 Zilmer-NM)

Republic of PHILIPPINES

9670 1330 R. Veritas Asia: ? Lang; ID, Mx, Tx, Mx (333 12/20 Miller-CA)
 9760 1453 Voice of America/Relay: EE; Slow EE, Nx, News Magazine 323 12/6 Lord-CA)
 17810 0013 Far East Broadcasting Corp: EE; "Mx, "Sounds of the Kingdom", record ad, gospel Mx (232 12/30 Thompson-CA)

Republic of SINGAPORE

5052 1500 R. Singapore: EE; Nx // 11940 (343 12/30 Zilmer-NM)
 6010 1603 BBC/Relay: Urdu; YL Interview Px, (444 12/7 Palmer-WA)
 6195 1104 BBC/Relay: OM, World Nx, (333 12/24 Hotaling-NV) (1100 S9 12/23 Piatelli-CA) (1610 333 12/7 Palmer-WA)
 9740 1500 BBC Relay: EE; Relay of WS, Radio Newsreel (322 12/31 Hosmer-MI)
 11940 1430 R.S.: EE; "Japanese Showcase", JJ Mx, Nx (353 11/28 Sugai JAPAN)
 17715 0045 BBC/Relay: EE; ID, Skeds, 0045* (122 12/22 Wood-LA)

Republic of TURKEY

9560 2222 Voice of Turkey: EE; Mx, Tx on Architecture, Mx, ID (322 12/19 Manning-TX) (2215 422 12/5 Stone-ONT)

UNION OF SOVIET SOCIALIST REPUBLICRSFSR-Far East

7260 0543 RM/Petropavlovsk: EE; OM Story of 1 girls flying an airplane (333 1/7 Traver Smith-CA)

RSFSR-Siberia

9580 0523 RM via Blagveschensk: EE; OM Story about an Armenian magician (444 1/7 Traver Smith-CA)

Uzbekistan

5945 1400 R. Tashkent: EE; World And local Nx, Anniversary of USSR, Mx (223 12/17 Lord-CA)
 9600 1200 RT: EE; World and Local Nx, Ethnic Mx (323 12/20 Lord-CA)
 11785 *1200 RT: EE; "R. Tashkent calling", Nx, 1228* (343 12/18 Krist-VA)

UNITED ARAB EMERITES

9595 0330 UAE Radio: EE; Nx, YL, Wx, Address, Fx, Px (Good 1/3 Pettengill-ME)
 11755 0330 UAE Radio: ? Lang; Drama, Nx (123 12/28 McKeon-IN)

Socialist Republic of VIETNAM

9840 1108 Voice of Vietnam: Camb; Tx (343 12/21 Ulmer-LA)
 10010 1544 VoV: Cantonese: Viet class Mx, 1557* (433 12/21 Palmer-Washington)
 10040 1824 VoV: EE; Viet Mx, YL, 1827* (322 12/29 Palmer-WA) (1330 242 12/23 Zilmer-NM) (1810 222 12/22 Miller-CA) (1142 343 12/21 Ulmer-LA)
 10060 2339 VoV/Home Sce: Viet; OM, Mx (343 12/9 Ulmer-LA)
 10080 2330 VoV: EE; OM, Nx (S6 12/12 Piatelli-CA) (2334 443 12/9 Ulmer-LA) (2330 333 Berkholtz -MN)

YEMEN ARAB REPUBLIC

9780 0430 R. San'a: AA; ID, NZ, Tx (444 12/28 Ulmer-LA)
 (0427 433 12/27 Sharp-FL) (0347 534 Wood-LA)

O C E A N I A

BEFORE WE BEGIN OUR REGULAR COVERAGE OF THE OCEANIA AREA, THERE IS SOME EXCITING NEWS IN THIS SECTION OF THE WORLD--A NEW STATION IS ON THE AIR! THIS IS NOT AS EXCITING AS WHERE THIS STATION IS LOCATED--IT IS LOCATED IN THE *Northern Mariana Islands*.

THE STATION USES THE CALL LETTERS "KYOI", THOUGH ON TAPE IT IS PRONOUNCED "choi". This broadcast is believed to be from the transmitter registered with the ITU as a 100 kw facility which is located at Agingan Point.

Thanks to Koji Yamada of Tokyo Japan I have had the opportunity to listen to over one hour of tape of very clear transmission time. Let me give you some of the 'slogans' to listen for. First, the station's logo is "This is superrock". It began to test on Dec. 18 and went to a "all day all night...rock and roll" format on Dec. 21. This is a commercial station which has, as some of its advertisers SONY, Seiko, etc. The stations apparently uses studios in Los Angeles, because the ann. say "Music from Los Angeles, USA!" The manner in which the time is announced is as follows: "music (Logo music for Seiko), YL Ann--"Seiko the friendly face everywhere around the world reports it isJapan Standard Time" then a chime is heard. Then the ID was "You are listening to Super Rock KYOI broadcasting from Saipan". And they are right, if you do not like 'super' rock, then only spend a few moments listening (hi!)/

The station intermixes English and Japanese, both with the music and with the ads.

The Sked is as follows: 0100-0900 on 15190, 0900-1500 on 11900, 1500-2200 on 9670, 2200-0100 on 15415 (though this has varied +/- 10).

Here are some loggings:

9670	1654	KYOI: EE; ID, "super rock KYOI", Mx, (433 1/3 Grijalva-AZ)
	1520	KYOI: EE; US Pop Mx, ad in JJ (433 12/28 Hill-SC)
	1500	KYOI: EE; sudden sign on with ID (544 12/27 Sharp-FL)
	1515	KYOI: EE; US pop rock Mx, AD in EE/JJ, ID (322 12/24 Hill-SC)
	1500	KYOI: EE/JJ; Pop/rock Mx, EE/JJ Ads (433 12/24 Hosmer-MI)
	1500	KYOI: EE; Rock Mx good power for the 100 kw xmtr, hrd on 9676 (544 12/20 Miller-CA)
11900	1213	KYOI: EE/JJ; Am Rock Mx, ID EE/JJ OM (Pr 12/31 Parks-FL)
	1258	KYOI: EE; Rock Mx, OM ID (333 12/27 Sharp-FL)
	1245	KYOI: EE; "rock Mx, ID, co-channel w/r Moscow World Service underneath (Pr 12/27 Lobdell-NJ)
	1155	KYOI: EE; Pop Mx, ID (252 12/27 Ulmer-LA)
	1348	KYOI: EE; US pop mx, EE only, no JJ, Mx (343 12/23 Hosmer-MI)
15190	0430	KYOI: EE/JJ; Pop/rock Mx, ID (weak signal 1/6 Fisher-MA)
	0639	KYOI: EE; Mx, OM ID (343 12/26 Sharp-FL)
	0130	KYOI: EE; Mx, ID, (very poor/ severe QRM (Hardester-NC)
15415	0056	KYOI: EE; Rock Mx, ID OM (322 12/26 Sharp-FL)

THERE IS ONE LAST ITEM TO REMEMBER ABOUT THIS: Since the Northern Mariana Islands is a U.S. Commonwealth charge, the postage is a good old fashion 20¢ US Stamp, zip code is 96950!

Good listening, look forward to more reports next month!

No on to the usual oceanic report

ANTARTICAAmerican Sector

6012t 0810 AFAN: EE; OM Tx, Western Mx, Fx mentioned, No ID
(232 12/26 Sharp-FL)

Argentine sector

15476v 2400 LRA-36/R. Nacional Arcangel San Gabriel: SS; Mx,
Cmt. EE/SS ID, YL Tx (1/3 Fisher-MA) (2300 433 1/3
Evans-TX) (2220 444 12/26 Sharp-FL) (0025 222 12/18
Saunders-NJ)

Commonwealth of AUSTRALIA

4920 0846 VLM 4/Australian Braodcasting Crop-Brisbane: EE; OM
Rock Mx (333 12/21 Thompson-CA) (0737 443 12/13
Speer-CA)
5995 1618 R. Australia/Lyndhurst: EE; SPorts Px, ID, Mx (433 1/3
Heller-WA)
6060 1348 RA/Shepparton: EE; Sports (444 12/28 Berkholtz-MN) (1432
353 12/19 Provance-OH)
9570 0823 RA/S: EE; Christmas Mx, ID, Nx (544 12/20 Thompson-CA)
9580 1115 RA/S: EE; OM/YL Tx on bad conditions in Aust (444
12/24 Hotaling-NV) (1140 454 12/10 Fraser-MA)
9610 1230 VLW-9/ABC-Wanneroo: EE; Oldtime comedies from
'The Wonderful Wireless' (353 12/25 Fraser-MA) (1115
444 12/20 Miller-CA) (1553 343 12/17 Saunders-NJ)
9700? 1500 RA:? EE; World Nx Aussie Pop Mx (434 12/25 Lord-CA)
9770 1540 RA/S: EE; OM ID, Nx, Cmty Mx (233 12/19 Addison-KS)
15115 0640 RA/S: EE; Discussion of soil erosion, Mx (454 12/20
Thompson-CA)
17795 0400 RA/S: EE; World Nx, Report from Asia (454 12/12 Hensley-
TX)
21720 0130 RA/S: EE; Cricket Match (353 12/29 Zilmer-NM)
21740 0130 RA/S: EE; ID, Mx (433 12/31 Forbes-TX) (0100 354 12/29
Preston-CA) (0100 322 12/29 Hill-SC)

GUAM

9505 1544 KTWR: EE; OM ID, Address, Bible Reading Lesson (222
12/17 Saunders-NJ)

NEW CALEDONIA

7170 0831 R. Noumea: FF; Christmas Mx, OM (333 12/21 Thompson-CA)
11710 0826 RN: FF; YL Fx, Mx, ID, sked, wx // 7170 (353 12/28
Ulmer-LA)

NEW ZEALAND

15485 0500 R. New Zealand: EE; TP, OM Reading cricket Match
(243 12/29 Preston-CA) (1715 154 12/28 Preston-CA)
(1800 242 12/26 Zilmer-NM) (0500 333 12/25 Zilmer-FL)
17705 0710 RNZ: EE; OM Mx, 0715* (242 1/5 Morrison-NC)

PAPUA/NEW GUINEA

4890 0752 P2T9: Port Moresby: EE/Pig; Pop Mx, TC, ID, Nx
(333 12/12 Speer-CA) (1158 443 12/25 Sharp-FL)

POLYNESIA (French)Tahiti/Society Is.

15170 2020 R. Tahiti: Tahitian; Mx, No ID, noisy (322 1/4
Valentine-CA) (0320 422 12/31 Valentine-CA) (1610
343 12/29 Thompson-CA) (0522 232 12/12 Speer-CA)
(0320 433 12/12 Hill-SC)

SOLOMON ISLANDS

5020 1400 H4B5-Solomon Islands Broadcasting Corp: EE; Special
New Years Eve Telephone Call in Mx Px (333 12/31
Zilmer-NM) (0950 222 12/21 Hotaling-NV)
9545 0738 H4B9-SIBC: EE; OM Nx, Mx (222 1/7 Morrison-NC)
(0732 433 12/29 Thompson-CA) (0743 222 12/10 Speer-CA)

Good Dxing--See you in 30. Tom!

WORLD SERVICE STATION SKEDS

ÉMISSIONS

PROGRAMMI

Editor:

TRASMISSIONI

BULLETIN DE PROGRAMMES

CHRIS LOBDELL

PROGRAMS

ENGLISH SERVICE

P.O. Box 146

Stoneham, MA 02180

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 12th

COMUNICATI NEL CORSO

Hello readers. Welcome to February 1983. Winter finally arrived this weekend with the first snowstorm to hit the Greater Boston area. I hope you're having a good SWL/DXing season. We are still in the D82 listening period which remains in effect until the first Sunday in March. Unless otherwise stated, schedules are for English programs, times are in UTC/GMT. Skeds credited to the BBCMS are copywrited bythe BBCs World Broadcast Information Division and are used by permission.

ALBANIA. Radio Tirana's English Schedule dated December 23rd.

0000-0030	7065, 9750	N. America
0130-0200	7120, 9750	"
0230-0300	7120, 9750	"
0330-0400	6200, 7300	"
0430-0500	7300, 9480	Africa
0630-0700	7080, 9500	Europe
0700-0730	9500, 11985	Australia
0930-1000	9500, 11985	Australia
1230-1300	9515, 11960	N. America
1400-1430	9500, 11985	SE Asia
1630-1700	9480, 7065	Europe
1730-1800	11985, 15433	Africa
1830-1900	7065, 9480	Europe
1930-2000	7075, 9500	Africa
2030-2100	7065	Europe
2200-2230	7065, 9480	Europe

(BBCMS)

GREECE. ERT in Athens has this D82 sked to the Americas valid until March 6th. Transmissions are in both Greek and English.

0000-0150	9865, 15050, 12045
0200-0350	9865, 15050, 12045
1200-1250	15050, 17560, 11645
1500-1550	11645, 15050, 17560

(D. Jones, T. Smith)

0745-0930	11840
0745-0900	17835 Saturday, Sunday
1400-1430	9505
1445-1500	11920 Thru, Fri, Sat.
1500-1600	9505

(R. Hesch, C. Stark)

GUAM. KTWR in Agana has this D82 English schedule.

0745-0930	11840
0745-0900	17835 Saturday, Sunday
1400-1430	9505
1445-1500	11920 Thru, Fri, Sat.
1500-1600	9505

(R. Hesch, C. Stark)

BELGIUM. The BRT in Brussels has this North American Sked, valid until March 5th.

0030-0115	7465	North America
	9880	South America

(K. Krist, M. Moore, T. Smith)

GUATEMALA. AWR (TGMUA, TGMUB, TGMUC)

in Guatemala City has this English language schedule, dated October 1982.

0130-0330	6090
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(C. Stark)

DENMARK. Radio Denmark in Copenhagen has this undated schedule. All transmissions are in Danish.

1000-1055	17770
1100-1150	17770
1200-1255	25890
1300-1355	25890
1400-1452	15165
1730-1830	15165
1900-1955	15165
2000-2055	15165
2100-2155	11715
2200-2255	11715
2300-2355	11715
0000-0055	11715
0100-0152	9755
0200-0252	9755

(D. YM Stewart)

HOLLAND. Radio Nederland schedule valid until June 1983.

0230-0325	B9590 ECNA
	B6165 "
0530-0625	B6165 WCNA
	B9715 "
0700-0720	L5955 Europe/W. Africa
	L9895 "
	L11720 "
	L15560 "
0730-0825	B9715 Aust./NZ/Pacific
	B9770 " " "
0830-0925	B9715 Australia
0930-1020	L5955 Europe
	L6045 "
	L9895 "
	L11930 "
	L15560 "

Continued, next page.

HOLLAND: CONTINUED

1330-1420 L5955 Europe
 L6020 "
 L9895 "
 L11930 "
 L17605 "
 1430-1520 M11740 South & East As.
 L17605 "
 M21480 "
 1830-1920 M6020 Africa
 M11740 "
 2030-2120 L9715 Africa
 M15220 "
 M15570 "
 B17695 "
 B21695 "

(R. Yajko) B = Bonaire; M=Madagas.

HUNGARY. Radio Budapest has this North American schedule valid on the first of March.

0100-0130 6025, 9585, 9835, 11910, 15220, 17710 (not Mon.)
 0200-0230 6025, 9585, 11910, 15220, 9835, 17710.

(K. Krist; T. Smith)

INDIA. All India Radio in New Delhi. Complete English External Service schedule.

1000-1100 15285 Australia/NZ
 15320 Northeast Asia
 17705 Australia/NZ
 17387 Northeast Asia
 17875 Australia/NZ
 21695 Northeast Asia
 1330-1500 11810 Southeast Asia
 15335 "
 1745-1830 9595 West Asia
 11620 "
 1800-2000 11830 East Africa
 15265 "
 1845-2230 9665 UK and West Eur.
 11620 "
 1945-2045 9755 NW, West Africa
 11865 "
 2000-2230 9912 Europe
 2045-2230 9912 Australia/NZ
 11755 "
 15110 "
 2245-0115 7215 East/SE Asia
 9605 "
 11765 "
 11900 Northeast Asia
 15110 East SE Asia
 15330 Northeast Asia
 17805 Northeast Asia

(Jose Jacob-AWR, Poona, India)

LIBYA (CLANDESTINE): Voice of The Libyan People (Hostile to Qadhafi). All transmissions in Arabic.

0530-0630 11977
 0630-0730 11285

LIBYA: CONTINUED.

1530-1630 11460
 1630-1730 12230
 2000-2100 12645
 2100-2200 11365
 (BBCMS)

NIGERIA. Voice Of Nigeria in Lagos. Current North Africa and Overseas Service.

0500-0600 15120,17800 N. Africa
 0700-0800 15120,17800 "
 0830-1000 15120,17800 "
 1000-1200 15120 North America
 1200-1400 15120 Carribean
 1400-1530 15120 Australia
 1530-1700 15120 India
 1800-1900 15120,17800 North Africa
 2100-2200 15120,17800 "

(J. Demmitt)

PAKISTAN. Radio Pakistan has this sked taken from the January 1983 edition of "Pakistan Calling".

SLOW SPEED NEWSCASTS

0230-0245 17840 Southeast Asia
 21595 "
 21755 "
 1100-1115 17660 Western Europe
 21802 "
 1600-1615 15565 Middle East
 17640 "
 21485 "
 17660 East Africa
 15530 "

1645-1745 9460 Europe
 11670 "

(direct.)

PHILIPPINES. FEBC in Manila has this D82 sked.

0000-0130 15410,17810,21515
 0130-0300 15410,21515
 0300-0500 15410,21515
 0500-0700 11890,21515
 0700-1000 11890,21515
 1300-1600 15440

They are currently offering cloth pennants in addition to QSL cards for correct reception reports.

(R. Hesch)

ROMANIA. Radio Bucharest has this D82 sked, effective November 8th.

0200-0300 North America: 5990, 6155, 9510, 9550, 9570, 11810, 11940
 0400-0430 same as above.

0530-0600 Africa: 11840, 11885, 15335, 15380, 17745, 17790
 0645-0715 Pacific: 11940, 15250, 15335, 17790, 17805, 21480.
 1045-1100 Europe: 11940, 15250, 17870.

ROMANIA: CONTINUED.

1200-1230	Asia: 15335, 17720, 21525	1400-1430	21615 North America
1300-1330	Europe: 9690, 11940, 15250, 17720	1600-1630	21700 South Asia
1500-1530	Asia: 11775, 11940, 15250, 15335, 17805, 17850.	1830-1900	6065 Europe
1730-1800	Africa: 11790, 11885, 15365, 15380, 17720, 17825	2100-2130	15225 South Asia
1930-2030	Europe: 5990, 7225, 7195, 9690	2300-2330	6065 Europe
2100-2130	Europe: 5990, 7225, 7195, (M. Chinsky, D. Claytor, J. Fisher) 9690.		15240 Africa
			11845 Africa
			11955 Middle East
			9695 North America
			11705 "

(K. Krist)

SAIPAN. KYOI has this updated sked. Programming consists of nonstop rock music with station identifications and announcements in English and Japanese.

0100-0900	15190
0900-1500	11900
1500-2200	9670
2200-0100	15405

(D. Sharp, S. McClellan, RCI DXD)

SAUDI ARABIA. The Broadcasting Service of the Kingdom of Saudi Arabia in Riyadh sends this D82 schedule.

1100-1300	11855 (except 1000- to 1300 on Thursday and Friday).
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1700-2100	11855
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(C. Stark)

SOUTH AFRICA. Radio RSA has this schedule. Valid till April. North American beam.

0200-0257	5980, 9615, 11900, 15325
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(R. Coleman, D. Ewing, J. Fisher, K. Krist.)

SPAIN. Radio Exterior de Espana in Madrid. This sked is dated D82.

0000-0200	9630 North America
	11880 "
0530-0630	9630 "
	11880 "

1900-2000	9765 Europe
	11840 "

2000-2100	15190 Middle East
	15375 Africa

(K. Krist)

SWEDEN. Radio Sweden International has this D82 sked.

0230-0300	9695 North America
	11705 "
1100-1130	9630 Europe
	21610 Australia/NZ
1230-1300	11765 East Asia
	21690 Africa

SWEDEN: CONTINUED.

1400-1430	21615 North America
	21700 South Asia
1600-1630	6065 Europe
	15225 South Asia
1830-1900	6065 Europe
	15240 Africa
2100-2130	11845 Africa
	11955 Middle East
2300-2330	9695 North America
	11705 "

USSR. Here are some external services of the regional stations.

RADIO BAKU

0330-0415	6110, 6135	Persian
1200-1300	"	Turkish
1300-1400	"	Azeri
1400-1500	"	Persian
1500-1600	"	Turkish
1600-1700	"	Arabic

(BBCMS)

RADIO KIEV

0030-0100	North America: 7205, 9685
	9750, 15100, 15185, 15240
	15255, 15295, 17830, 17870

0300-0330	North America: 7165, 7205
	9750, 15100, 15185, 15240
	15255, 15295, 17830, 17870

(BBCMS)

RADIO TALLINN

0800-0900	6085	Finnish(Sun)
0900-0930	6085	Swedish(Sun)
1600-1630	6085	Finnish
		(not Sun.)
2105-2135	6085	Swedish
2135-2200	6085	Estonian

(BBC MS)

RADIO TASHKENT (English transmission

1200-1230	South Asia: 5945, 5985, 9540, 9600, 11785
1400-1430	South Asia: 5945, 5985, 9540, 9600, 11785

(BBC MS)

VATICAN STATE. Vatican Radio, North American Service as taken from their January program schedule.

0100-0115	6015, 9605, 11845
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(Direct.)

Thanks for the great support! See you in March.

73,
Cyril

UTILITY SCENE

EDITOR: MIKE CHABAK
6171 E. Bellevue #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.....

Hello Gang:

Again this month I will MIX the RTTY loggings in with the rest. So far only a handful of votes, so I'll give this another go-round, to allow the rest of you to offer your comments.
(Mix RTTY in with column, OR keep it a Separate sub section....)

New RTTY Publication: "Radioteletype Press Broadcasts" by Michiel Schaay of the Netherlands. (Michiel is the utility editor for the Benelux DX Club)

86 page, plastic slide binder book - 8.5 x 11
Book is divided into these sections:

- Current worldwide RTTY news services - presented by time (GMT), then press service, languages (English, French, Spanish, German or Portuguese), then frequency and transmission times.
- Alphabetical listing of 56 major world news services - names and addresses, operating freqs, times/languages, plus many have background/historical information
- Alphabetical listing of 184 press service abbreviations, and a separate, by country cross reference.

I've used this book and have found it to be very accurate. I especially like the format that allows one to select a specific news service to monitor, rather than to scan the freqs for intercepts. This book would make a fine addition for the serious RTTY "news hound" buff. (also issued are free follow on updates)

US rates are between \$14 to \$17 dollars (depending on mailing mode)
Payment is via funds transfer or cash/registered mail
*** Best bet is for interested parties to send I IRC and obtain the latest Info-Sheet on this publication.... Address is:

Michiel Schaay
Sparrenlaan 42
3941 GM Doorn
HOLLAND

(and tell Mike that you saw this in Speedx)

DEADLINE:
12th Day of
the Month

XVSN 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..

- 6540.0 U 0139 AEROPLOT 335 wkg New York Aero (JDM-MN)
6540 U 0242 WORLD 103 wkg New York Aero (JDM-MN)
6540 U 0155 SPEEDIBRD 262 wkg New York Aero (JDM-MN)
8868 U 1245 AMERICAN 662 wkg New York Aero (WFM-NY)
8882 U 2355 SPEEDIBRD 261 wkg unid aero sta (JR-ND)
8882 U 0518 SPRINGBOK 237 wkg Abidjan Aero (RWP-ME)
8903 U 0414 NORDAIR 42 wkg Nordair Montreal (LDOC - via p/P?) (RWP)
8903 U 0519 SPRINGBOK 233 wkg Luanda Aero (RWP-ME)
8945 U 0125 AEROPLOT 232 wkg Santa Maria Aero (JDM-MN)
8945 U 0955 CUBANA 478 wkg New York Aero (JDM-MN)
8945 U 2357 IBERIAN 982 wkg San Juan Aero (JR-ND)
8959 U 0128 CUBANA 490 wkg San Juan Aero (JDM-MN)
8959 U 0249 SPEEDIBRD 265 wkg San Juan Aero (JDM-MN)
8984 U 2217 CG 2120 wkg CG New Orleans LA (JDM-MN)
8984 U 2223 CG 1341 wkg CG Miami FL (JDM-MN)
8989 U 0014 MAC 50246 p/p to Travis AFB via McLellan AFBs (LVH-TX)
9077.5 U 2257 MEXICAN 308 wkg unid Aero or LDOC sta. (RJI-GA)
11282 U 0145 BOEING 101 TEST wkg San Francisco Aero (JDM-MN)
11282 U 0230 ZAMBIA 702 wkg Tripoli Aero (JDM-MN)
11300 U 0235 KENYA 115 wkg Tripoli Aero (JDM-MN)
11300 U 0233 OLYMPIC 101 wkg Nairobi Aero (JDM-MN)
11300 U 0225 LUFTHANSA 535 wkg Khartoum Aero (JDM-MN)
11387 U 1326 CUBANA 493 wkg New York Aero (JDM-MN)
13244 U 1843 AIREVAC 60195 p/p Andrews CP via MacDill AFBs (RJI-GA)
13297 U 1423 OVERSEAS NATIONAL 410 wkg New York Aero (JDM-MN)
13300 U 0402 CLIPPER 005 wkg Anchorage Aero (JR-ND)
13306 U 1843 AIR FRANCE 002 wkg New York Aero (LVH-TX)
13306 U 1820 CAPITAL 910 wkg New York Aero (LVH-TX)
15015 U ---- MAC 60209 p/p to Albrook AFB via ??? (LVH-TX)

**** TACTICAL ****

- L 1416 SHOWBOAT wkg MAINSTAY MAINTENANCE (LJS-CO)
L 1411 MAINSTAY wkg MAINSTAY MAINTENANCE (LJS-CO)
4607 U 1406 OMAHA cig MEAT SHOP (LJS-CO)
4725 U 0220 SPUN 13 wkg SPUN 69,57,12,89,20,70 (RWP-ME)

44 A new ANAPC associate club called, "The Association of Clandestine Enthusiasts" opened shop last year. They publish a modest 12 page monthly bulletin called, "The A.C.E." Club now has 70 plus members, some of whom are Speedsters.... This club mainly concentrates on AM & SW pirate radio stations (worldwide), but has a surprisingly large spy numbers section.... For the pirate radio or numbers buff, the A.C.E. is worth looking into.

Club information sheet can be had for a letter size SASE.

A sample bulletin is \$1.00....

A 1 year subscription can't be beat - \$6.95 for USA, \$7.95 for Canada & Mexico, \$9.50 surface/\$13.00 airmail for other areas.

Address is:

The Association of Clandestine Enthusiasts
 Box 452
 Moorhead, MN 56560

**** NORTH AMERICA ****

AK...: 11201.0 U 0418 NOJ - CG Kidlak wkg CG 1603 (RWP-ME)
 BER.: 8449.4 C 2230 VAI - Vancouver CGR. - V mkr (unid)
 CAN.: 5652 U var. VFG - Gander Aero - VOLMET (JRW-MN) (MIS-ONT)
 5673 U 0411 Gander Aero wkg TWA 740 (JRW-MS)
 6493 C 0239 VAI - Vancouver CGR. - V/CQ mkr (JRW-MN)
 6946 C var. CKN - CANMIL Vancouver - V/G13E mkr (JRW-MN) (SN-TX)
 7335 A 0726 CHU - SPTS Ottawa - EE/FF ID (TLP-OH)
 8453 C 0231 VAI - Vancouver CGR. - V mkr (HGJ-TX)
 8868 U 0325 VFG - Gander Aero - VOLMET b/c (WPN-VA)
 8910 U 2206 Cambridge Bay Aero wkg Frobisher Aero (RWP-ME)
 11311 U 2329 Ottawa Dispatch (LDOC) wkg Transport 111 (LJS-OO)
 13510.4 R 2151 CPH - CANMIL Halifax - WX-100/950r (WAV-VA)
 15035 U 1533 CHR - CANMIL Trenton - Aero WX (BOW-VA)
 22367.2 C 2214 VAI - Vancouver CGR. - V mkr (MAM-VA)
 22387 C 2025 VCS - Halifax CGR. - V/GSX mkr (MMJ-ID)
 8568.3 C var. XFN - Manganillo WARGO - CQ mkr (JRW-MN) (HGJ-TX)
 USA.: 2670 U 0422 NMB - CG Charleston SC - WX/NTM b/c (LTM-NC)
 2670 U 0543 NMX - CG Cape May NJ - WX/NTM b/c (LTM-NC)
 2670 U 0529 NMY41 - CG Shinnecock NY - NTM b/c (LYM-NC)
 2670 U 0443 NMF - CG Boston MA - WX/NTM b/c (LTM-NC)
 2670 U 0559 NMG - CG New Orleans LA - NTM b/c (LTM-NC)
 2670 U 0608 NMC - CG San Francisco CA - NTM b/c (RWP-ME)
 3001 U 0540 MSY74 - New York VOLMET b/c (LTM-NC)
 4087.8 U 0912 WJG - Memphis TN IMAWR wkg Maryanne, Vicki (RMA-IA)
 4405 U 2205 WOO - Ocean Gate WARGO - what??? (LJV-IL)
 4467 U 0211 Bluechip 39 wkg Bluechip 14 (TN CAP) (LVH-TX)
 4582 U 0342 Red Dog 8 wkg Red Star 178 (NC CAP) (RWP-ME)
 4610a U 1205 KD605 Unit 1 wkg other oil rigs (RMA-IA)

L 0130 SAM 86971. wkg Andrews AFB MD (BLA-PA)
 U 0153 LIMA FOXHROT 125 wkg MacDall Aways (JRW-MN)
 0220 RENTAL wkg MacDall Aways (GHS-IL)
 5683 SAM 31681 p/p SAM CF/Andrews Metro via Andrews (MDC-NY)
 5700 L 2253 SAM 31681 p/p SAM CF/Andrews Metro via Andrews (MDC-NY)
 5745 U 0345 SHIPWARD CONTROL wkg SARATOGA (GHS-IL)
 6506.4 U 0352 UNIFORM 6 UNIFORM wkg CG San Francisco (JR-ND)
 6506.4 U 0333 NOVEMBER 6 DELTA wkg CG San Francisco (LVH-TX)
 6506.4 U 0607 DELTA 6 UNIFORM wkg CG San Francisco (GHS-IL)
 6683 L 0232 SANDSTONE wkg Andrews AFB MD (JRW-MN)
 6683 L 1310 SAM 31681 wkg SAM 24129 (BAL-OH)
 6697 U 0451 YANKEE 4 TANGO c1g 8 KILO MIKE (RWP-ME)
 6723 U 1427 unkn sta. c1g RASPBERRY JAX (RJL-GA)
 6727 U 1324 BIRD 35 wkg Scott Aways (JRW-MN)
 6750 U 0111 AIR FORCE 4410 p/p 21st Metro via Loring (JRW-MN)
 6756 U 1449 SAM 31682 wkg Andrews AFB MD (BAL-OH)
 6756 U 1748 AGAR 07 wkg Andrews AFB MD (BAL-OH)
 6756 U 1505 SAM 24197 wkg Andrews AFB MD (BAL-OH)
 6756 U 1441 SUEMARINE 50515 wkg Andrews AFB MD (BAL-OH)
 6760 L 2212 SAM 86970 p/p CROWN via Andrews AFB MD (MDC-NY)
 6761 U 0351 HARDY 01 wkg BUTTERNUT B-52, emergency with # 7 engine on fire (RWP-ME)
 U 0513 TORPEDO p/p BLENDER & ESTATE via HUMPHREY (GRW-OH)
 U 0117 REPAIRMAN 67 r/c REPAIRMAN ZULU (MDC-NY)
 U 0600 MILKYWAY with coded t/c (GHS-IL)
 U 0631 EASYWAY with coded t/c (GHS-IL)
 U 0025 OMAHA 40 wkg SLINGSHOT (GHS-IL)
 U 0119 QUEBEC ZULU HOTEL 8 c1g OSCAR BRAVO 71 (LJS-OO)
 U 1415 WHISKEY 2 wkg WHISKEY 3 & 3 JULIET (LJS-OO)
 U 0205 STATUE, RENTAL, STIMPSON, NARRATOR wkg each other (RWP)
 U 0201 SPARTAN (USS LEXINGTON) c1g RASPBERRY PENNSACOLA (GHS)
 U 2342 LIMA ZERO wkg NINETY SEVEN with r/c (LJS-OO)
 U 2307 MIKE VICTOR wkg 2 VICTOR INDIA (JRW-MN)
 U 2206 MARINE BRAVO 76 wkg McClellan Aways (RJL-GA)
 U 0202 NAVY LIMA FOXROT 129 wkg McClellan Aways (JRW-MN)
 U 0218 CHARLIE GOLF 084 wkg McClellan Aways (GHS-IL)
 U 0131 HUT 72 p/p FORMAT via MacDall Aways (JRW-MN)
 U 0510 ASSOT 2756 (RAF) wkg Ascension Aways (GHS-IL)
 U 0125 7 LIMA XRAY wkg 3 ZULU ZULU (GHS-IL)
 U 2308 WORLD TRAVELLER 50527 p/p via Scott Aways (RJL-GA)
 U 0152 NORRIS 52 & NORRIS 74 wkg NORRIS 73 (GHS-IL)
 U 0224 EDGY 41 p/p RAYMOND 24 via Scott Aways (GHS-IL)
 U 1810 SAM 24198 wkg Andrews AFB MD (RWP-ME)
 U 1448 POPULATE wkg Andrews AFB MD (BAL-OH)
 U 0203 DECLARE with SAC coded b/c (GHS-IL)

USA :

4637.5 U 1307 WFB669 Houston wkg m/v Saratoga (RMA-IA)
 5326 L 1411 WTC3- USACE (QTH??) wkg WIG648 (LJS-CO)
 6390 C 2340 WNU42- Slidell LA MARCO - CQ/QSX mkr (JEB-CA)
 6304.5 R 0424 WCC- Chatham MA MARCO - SITOR EE/NX (JK-FRG)
 6506.4 U 0608 WNC- CG New Orleans LA wkg CGC Bittersweet (GHS)
 6506.4 U 0235 NMC- CG San Fran CA clg Victor 1 Bravo (LVH-TX)
 6873 U var. VOA Greenville NC Feeder (KWK-VA) (LTM-NC)
 8486 C 1022 WOE- Lantana FL MARCO - V mkr (LTM-NC)
 8525 C 1705 WNU33- Slidell LA MARCO - CQ mkr (LVH-TX)
 8550 C 0350 WPA- Port Arthur TX MARCO - V mkr (LVH-TX)
 8616 C 0010 WPD- Tampa FL MARCO - CQ/QSX mkr (JEB-CA)
 8772 U 2336 (USN) San Diego ICSB2 wkg USS Juneau (LJS-CO)
 8868 U 1535 WSY70- New York VOLMET (WFM-NY)
 8903 U var. KSF70- Oakland CA VOLMET (CG-DE) (LTM-NC)
 10120.1 C 0836 WFL30- New York V mkr (MAV-VA)
 10339.5 C 2242 WKS50- New York V mkr (MAV-VA)
 11231 U 1531 AF1E- McClellan Ays wkg Calabard (RMA-IA)
 11436 R 1924 NNN- CG Portsmouth VA - wkg TBEX (JK-FRG)
 12370 U 2331 WVD- La Jolla CA MARCO clg NOAA WTDK (LJS-CO)
 12700 C 0850 NIK- CG Boston - CQ mkr (Int'l Ice Pat.) (RNP-CT)
 12953 C 1901 WNH- Baltimore MD MARCO - V mkr (LVH-TX)
 12970 C 0905 WOE- Lantana FL MARCO - V mkr (RNP-CT)
 13024.1 C 1850 WSL- Amagansett NY MARCO - tlc with ??? (MAM-VA)
 13101 U 2137 KVI1- San Fran MARCO wlg m/v Fair Sea (JRW-MS)
 13125.6 U 2121 WMC- Ft. Lauderdale MARCO - wkg Q.E.2 (BOW-VA)
 13113.2 U 1630 NMM- CG San Francisco CA - marine WX (JDM-MN)
 13113.2 U 1615 NNN- CG Portsmouth VA - marine WX (JDM-MN)
 13270 U 1935 WSY70- Oakland CA VOLMET (KWK-VA)
 13344 U 2204 WKS70- New York VOLMET (KWK-VA)
 13907 C 0910 WCC- Chatham MA MARCO - ????? (RNP-CT)
 17168a C 1846 WLO- Mobile AL MARCO - DE mkr (PAT-CA)
 17198a C 1852 WLO- Mobile AL MARCO - DE mkr (PAT-CA)
 17204.5 C 1858 WLO- Mobile AL MARCO - DE mkr (PAT-CA)
 17232.9 U 1855 WOM- Ft. Lauderdale MARCO - wkg Coral Sea (PAT-CA)
 18255 C 1654 KKN50- USDOS Wash DC - QPA mkr (WTC-AZ)
 19345 A 1845 AFRTS Feeder b/c- from unkn QTH (WPM-NY)
 20060 U 1600 VOA Greenville NC Feeder (NEB-MI)
 22430.3 C var. WNU36- Slidell LA MARCO- CQ/QSX mkr (MAM-VA) (WUJ)
 22458 C 2023 WNU46- Slidell LA MARCO - CQ/QSX mkr (MWJ-ID)
 22515 C 1633 KFS- San Francisco CA MARCO- CQ mkr (FAC-UK)
 22545 C 2020 NMM- CG Portsmouth VA - CQ/QSX mkr (RWJ-ID)

**** CENTRAL AMERICA ****
 MSS- RAF Belize- FOXs to MKG-66/425r (RMA-FRAN)
 TIM- Limon MARCO - CQ mkr (HGJ-TX)

11118.0 L 0050 AIR FORCE ONE wkg Andrews AFB MD (BLA-PA)
 11118 L 1922 SAM 26000 wkg Andrews AFB MD (RAL-OH)
 11118 U 0156 same as the 8101 kHz tac logging (RWP-ME)
 11118 U 1938 TAMBRELLA wkg PETTY BONE & REFEREE (RAL-OH)
 11118 U 1805 TAIL SPIN wkg NOON TIME (RAL-OH)
 11180 L 2337 AIR FORCE ONE wkg Andrews AFB MD (BLA-PA)
 11182 U 0040 EDGY 40 p/p RAYMOND 24 via Scott Ays (MDC-NY)
 11182 U 1500 ASCOT 2748 (RAFND) p/p McConnell Ops via Scott (RIL-CA)
 11182 U 1934 BADGER 14 p/p RAYMOND 24 via Scott Ays (JDM-MN)
 11182 U 0034 EDGY 12 p/p RAYMOND 24 via Scott Ays (GHS-IL)
 11182 U 0245 NAVY PAPA JULIET 02 p/p via Scott Ays (GHS-IL)
 11182 U 0324 LIFTR 22 p/p Norton GP via Scott Ays (GHS-IL)
 11182 U 0118 BILL HAWK P/P to 2804 via Scott Ays (MDC-NY)
 11214 U 0428 EDGY 25 clg RAYMOND 24 (RWP-ME)
 11220 U 2326 GAMERA clg INSET 50 (LJS-CO)
 11239 U 1530 HAWER ONE wkg Andrews AFB MD (JDM-MN)
 11243 U 2043 TAXPAYER wkg PURDY CONTROL (SAC) (MWJ-ID)
 11243 U 2131 SKYLIGHT wkg A.F. 649 (SAC) (JDM-MN)
 11246 U 1354 LIMA CHARLIE 88 wkg MacDill Ays (JDM-MN)
 11249 L 2235 SAM 26000 wkg Andrews AFB MD (GHS-IL)
 11249 L/u var. AIR FORCE ONE wkg SAM 26000, CARBINE, CYCLER, CROWN, ANDREWS AFB MD (RWP-ME) (BLA-PA)
 11249 U var. SAM 27000 wkg SAM 26000, CYCLER, Andrews (RWP-ME) (RJJ)
 11307 U 2234 BEHOLD with test courts (JK-UK)
 11413 L 0222 SANDSTONE wkg McClellan Ays (JDM-MN)
 11494 U 2103 215 wkg 216 (JDM-MN)
 13215 L 2247 AIR FORCE ONE wkg Andrews AFB MD (RMP-ME)
 13215 L 1937 CARBINE wkg Andrews AFB MD (BLR-KS)
 13215 L 1810 SAM ??970 p/p SAM COMMAND via Andrews AFB (GRW-OH)
 13241 U 0214 BUGSY wkg unknown sta (GHS-IL)
 13247 U 1654 SAM 24199 wkg Andrews AFB MD (JDM-MN)
 13247 U 1628 COTTON SEED p/p CROWN/CROSSEBOW via Andrews (GRW-OH)
 13297 U 1328 PAPA NIKE 4 MIKE p/p NAS JAX via N.F. Aero (JDM-MN)
 15015 U var. SAM 31693 p/p Howard Metro via Albright (LVH-TX)
 15015 U 2230 KING 89 p/p Eglin AFB via Scott Ays (LVH-TX)
 15048 U 2348 SAM 26000 wkg Andrews AFB MD (GHS-IL)
 17273 U 1453 CLOTHES TREE clg OPERATE (LJS-CO)
 18000 U 1612 WHISKEY UNIFORM 3 KILO with any sta call (RWP-ME)
 18002 U 1515 HUMP 34 wkg Loring Ays (RJI-GA)
 18019 U 1620 FATE 24 clg MacDill Ays (JDM-MN)
 18027 U 1700 SAM 86971 p/p STATE DEPT OPS via Andrews (LVH-TX)
 18027 U var. AIR FORCE ONE wkg SAM 26000, CROWN, Andrews AFB (RWP-ME) (BLA-PA) (GHS-IL)
 18046 U 2223 NEW BOOK wkg DEW BERRY (LJS-CO)
 18666 U 1800 ATLAS wkg SUNDANCE 100 (BLA-PA)

PANA: 11000 R 1245 NBA- USN Balboa- FOXs- 100/850r (RMA-IA)
 20350.1 R 1700 NBA- USN Balboa- FOXs- 100/850r (RMA-IFRAN)

*** CARIBBEAN ***
 BARB: 8449.3 C 0029 SPO- Bridgetown MARCO - V mkr (unid)
 CUBA: 7660 C 0205 CLN- Havana PTP c/g UUY-2 (RLR-KS)
 8702 C 1210 CIA- Havana MARCO - CQ/gSX mkr (LVH-TX)
 10327 C 0003 COM985- Havana NAVRAD - V mkr (JEB-CA)
 11103A C 0032 COM967- Santiago de Cuba NAVRAD (RMA-NY)
 17453 R 2230 CLN565- FL Havana- RYs- 66/425h (RGA-IA) (LTM-NC)
 MARC: 8478 C var. FUF- Ft. de France NAVRAD- V mkr (HGU-TX) (LTM-NC)
 8675.2 C var. FFP3- Ft. de France MARCO- CQ/gSX (JEB-CA) (HGU-TX)
 13030.4 C 1910 FUF- Ft. de France NAVRAD- V mkr (MAM-VA)
 13031.7 C 2345 FUF- Ft. de France NAVRAD- V mkr (RMA-FRAN)
 16961 C 2144 FUF- Ft. de France NAVRAD- V mkr (LVH-TX)
 META: 8694 C var. PJC- Curacao MARCO- CQ mkr (JWE-TN) (LVH-TX)
 13042.8 C var. PJC- Curacao MARCO- CQ/tfc list (unid) (HGU-TX)
 P. R.: 8471 C 0250 NMR- CG San Juan - V mkr (unid)

*** SOUTH AMERICA ***
 ARGN: 10895 R 2345 LRB39-SAPORITTI- SS/NX - 66/850r (RMA-FRAN)
 12709 C 2058 LSA5-Boca MARCO - V mkr (PAC-UK)
 17197 C 0045 LPD46- G.P.R. Buenos Aires- V/gSX mkr (JEB-CA)
 BRZL: 8460 C var. PPJ- Junciao MARCO- V mkr (GLT-NM) (JEB-CA)
 8520 C var. PPO- Olinda MARCO- V mkr (JEB-CA) (unid)
 12795 C 0527 PWF33- Rio de Janeiro NAVRAD- V mkr (MTC-AZ)
 12979.5 C 0235 PPL- Belen MARCO - CQ mkr (GLT-NM)
 17162 C 2051 PFO- Olinda MARCO - V mkr (HGU-TX)
 17171 C 2310 PPL- Belen MARCO - V mkr (JEB-CA)
 CHIL: 8509 C 0443 CGM- Magallanes NAVRAD - V mkr (JEB-CA)
 12067.7 C 2203 CCS- Santiago NAVRAD- DE mkr (SB-GT)
 COL: 8701 C 0647 HKB- Barranquilla MARCO - CQ mkr (JEB-CA)
 12323A R 1300 5KM- Bogota NAVRAD- RYs- 100/850r (RMA-IA)
 13087.5 C 2041 HKB- Barranquilla MARCO - CQ mkr (HGU-TX)
 15738 C 2245 HK3MTI- INTERPOL Bogota w/g YVZ3 Caracas (RMA-IA)
 PARA: 12260 R 2230 ZFN- Asuncion Air - WX 66/425r (RMA-FRAN)
 SURI: 8652 C 0956 PZNY- Paramaribo MARCO - CQ mkr (LVH-TX)
 12207 R 0405 PZP- Zanderi-j Air- RYs - 66/425h (JEB-CA)
 13044.9 C 2030 PZN- Paramaribo MARCO - CQ mkr (HGU-TX)
 URGY: 12750 C var. CWA- Cerrito MARCO- V/CQ/gSX (RMA-IA) (JEB-CA)

*** EUROPE ***
 ASTA: 7584 R 0241 OEW47- Vienna Metro - WX (unid)
 GYPR: 8156.8 R var. MKD- RAF Akrotiri - FOXs-66/425r (RMA-IA) (RMA-FRAN)
 9923 R 2343 HUS- UNO Nicosia- QRA mkr- 100/??? (PAC-UK)
 CZBO: 8142.5 R 1935 OLI4- CETEKA Prague- FF/NX-66/425r (RMA-FRAN)
 10125 R 1835 OLG3- Prague PTP-w/g Beirut-66/425r (RMA-FRAN)

18666 U 1844 SHARK 623 w/g ATLAS (BLA-PA)
 20053 L 2026 ASSEMBLY w/g Andrews AFB MD (RWP-ME)
 20053 U var. SAM 31683 w/g???? (LVH-TX)
 22714 U 2325 ALFA WHISKEY w/g MIKE ZERO (LJS-CO)
 23265 U 1954 SAM 26000 w/g Andrews AFB MD (BLA-PA)

**** NUMBERS/BEACONS ****
 3115.0 A 0503-0513 S/Y 5d FinalX2 (454) 31Dec82 (RJI-GA)
 6225a A 0939----- S/Y 5d (443) 28Dec82 (PAT-CA)
 6292 A 0732-0740 S/Y 5d ATT 834-85 (554) 19Dec82 (RPM-GA)
 6317 A 0728-0749 S/Y 5d (554/555) 02Jan83 (RPM-GA) (TLP-OH)
 6500 U 0408-0409 ?/Y 5Ltr (222) 02Jan83 (TLP-OH)
 7404 U 0640-0643 G/Y 5dd (245) 29Nov82 (RPM-GA)
 7740.2 A 0212-0219 G/Y 5dd (333) 12Dec82 (RPM-GA)
 8999 A 0639----- S/Y 5d (121) 31Dec82 (LTM-NC)
 9074 A 0116-0136 S/Y 4d (433) 16Dec82 (RPM-GA)
 9450 A 0235----- S/Y 5d (433) 10Dec82 (WJS-ONT)
 10020 A 0630-0635 S/Y 5d ATT 532-145 (423) 02Jan83 (JWB-GA)
 11532a A 0002----- S/Y 4d 326 10c (333) 25Dec82 (BAT-GA)
 16117 A 1410----- S/Y 5d (4444) 16Dec82 (WPM-NY)
 18556 A 1519-1522 S/Y 5d FinalX2 (553) 28Dec82 (RJI-GA)
 6245 C 0410 "U" beacon (343) TLP-OH)
 12327 C 0255 & 1345 "U" beacon (343/212) (RMA-IA) (JEB-CA)

**** UNIDENTIFIED ****
 3380.0 PAC27 (Dutch Mill??) RYs 66/??? (PAC-UK)
 4304 C 1703 ZOB4 (UK colonial possession) V mkr (PAC-UK)
 4450a R 1005 SHORE DE SHIP - coded msg 100/850r (RMA-IA)
 7528 C 1710 CM & IRTI w/g DP and others - cyrillic msgs (RLR-KS)
 7574 C 0644 QM DE I ----- O NNY (NSH-NC)
 13280.5 U 0016 BE-OMs - fishing fleet type xmsns (RWP-ME)
 R 1733 JH with FOXs 66/??? (PAC-UK)
 13752 R 1730 RNY (foreign EMB WASH DC) FOXs 66/??? (PAC-UK)
 14875 R 1607 HV- WAW FM HV ... ZHC ZHO? HR TFC X TKU 66/850n (RMA-IA)
 15820a C 2033 UBV U4N NB6 U6D (repeated over & over) (MWJ-ID)
 20129

**** VLF/LW/MW ****
 16 C 1454 GBR- SFTS Rugby ENGLAND - CW ID (TLP-OH)
 194 C/A 0441 TUR- Nantucket WA Aero WX/CW NDB (LTM-NC)
 206 C/A 0449 GUS- Galveston TX - Aero WX/CW NDB (LTM-NC)
 236 C/A 0349 GNI- Grand Isle IA - Aero WX/CW NDB (LTM-NC)
 248 C/A 0137 FRT- Fairmont SC - Aero WX/CW NDB (LTM-NC)
 266 C/A 0656 ATL- Atlanta GA - Aero WX/CW NDB (LTM-NC)
 272 C 0147 UVR- Varadero CUBA - NDB (LTM-NC)
 278 C 2250 OS- Los Angeles Int'l Airport - NDB (PAV-CA)
 304 C 0704 BR- Nashville TN NDB (LTM-NC)

329.0 C/A 0153 CH- Ashley-Charleston SC- Aero WX/CW NDB (LTM-NC)
 332 C/A 1940 IGD- Ingleswood-IA Int'l - Aero WX/CW NDB (FAV-GA)
 344 C/A 0713 JA- Jacksonville FL - Aero WX/CW NDB (LTM-NC)
 349 C 0203 UHA- Havana CUBA - NDB (LTM-NC)
 350 C/A 0200 LET- Leesville, NC - Aero WX/CW NDB (LTM-NC)
 371 C/A 0206 FOA- Roanoke VA - Aero WX/CW NDB (LTM-NC)
 388 C 0544 AM- Tampa FL - NDB (LTM-NC)
 396 C 0209 DDF- Dorado PUERTO RICO - NDB (LTM-NC)
 391 C 0211 ZBB- Bimini BAHAMAS - NDB (LTM-NC)
 418 C 0550 WSL- Amagansett NY MARCO - CQ mkr (LTM-NC)
 436 C 0555 CLQ- Havana CUBA MARCO - CQ/QSX mkr (LTM-NC)
 500 C 1543 ZAGA- ARBERIA clg DAN Norddeich FRG MARCO (PAG-UK)
 500 C 1403 SUPX- ISMAY wkg DAN Norddeich FRG MARCO (PAG-UK)
 1613 C 0659 MBR- Rabinal GUATEMALA - NDB (SN-TX)
 1684.9 C 0458 RER- Mercedeses COLOMBIA - NDB (TLP-OH)
 1700 C 0300 ZTT or ZM - QTH unknown - NDB (MWJ-ID)

**** OUTER SPACE ****
 29453 C 0620 RS6- USSR AMSAT - CW telemetry beacon (LVH-TX)
 29503 C 0355 RS8- USSR AMSAT - CW telemetry beacon (LVH-TX)
 29583 C 0449 RK03- Iskara 3 AMSAT - ID/telemetry beacon (LVH-TX)

AK... KIS700 - Anchorage VOLMET - Iq100 cd/PFC-11d MS 8903 kHz (LVH-TX)
 AUST: VIX5- Canberra NAVRAD- ltr 54d 12907.5 kHz (SB-CT)
 BARB: 8P0- Bridgetown MARCO- ltr 22d IRC - 12709 kHz (LVH-TX)
 CAN.: YUJ- Rouyn, Que- beacon-PFC 12d 218 kHz (HH-MD)
 VCS- Halifax CGR, Card - XRP 8440 kHz (TJY-JD)
 GDR.: YGS- Nauen SFTS- Card 271d XRP 4525 kHz (JHD-PA)
 NETA: PK3- Suffisant NAVRAD- ltr/Card 17d DU REF - 5940 kHz (SB-CT)
 SWIS: HEB- Berne MARCO- Card 30d 8601.5 kHz (SB-CT)
 USA.: TTS- Wash National Airport- Ltr 24d MS 530 kHz (HH-MD)
 NMC- CG San Francisco CA - Card 8474 kHz (SB-CT)
 WOO- Ocean Gate NY MARCO- Card 13d MS 12338 kHz (LVH-TX)
 WSL- Amagansett NY MARCO- ltr MS 13024.9 kHz (LVH-TX)
 KOK- Los Angeles MARCO- ltr 7d MS 12993 kHz (LVH-TX)
 WCC- Chatham MA MARCO- ltr 11d MS 13090 kHz (LVH-TX)
 KYK/RAG- NOAA Miami FL- PFC 9d MS 17260.7 kHz (LVH-TX)
 WJO- Mobile AL MARCO- PFC 13d MS 13098 kHz (LVH-TX)
 WOM- Ft. Lauderdale FL MARCO- Card 10d MS 8722 kHz (LVH-TX)
 WPD- Tampa FL MARCO- ltr 15d XRP 8615.5 kHz (TJY-MD)
 KVR416- Pensacola FL- PFC 9d MS 12430 kHz (HH-MD)
 KZU- Harvey LA - PFC 28d MS 8294.2 kHz (HH-MD)
 KWB- Houston TX - PFC 348d (follow up) MS 12422 kHz (HH-MD)

SHIPS:
 NVAI- CGC VALIANT- Ltr/PFC 13d MS 6200 kHz (LVH-TX)

DNB.: 2357.5 C 0308 OUA23- Stevns NAVRAD- V mkr (IK-UK)
 ENG.: 3425.2 C 0655 GYA- Whitehall NAVRAD- DE/QSX mkr (SN-TX)
 4310 C 1458 MII- Plymouth NAVRAD - V mkr (IK-UK)
 7962 R 2030 MKG- RAF London - FOXS 66/425r (RMA-FRAN)
 8056a R 0545 MKG- RAF London - FOXS 66/425r (RMA-IA)
 8499.5 C 1543 GYA- Whitehall NAVRAD - V mkr (IK-UK)
 11070 L 0200 BBC Daventry Feeder (JDM-MN)
 11200 U 0225 MVU- West Drayton VOLMET (JDM-MN)
 11532.2 R 1900 MKG- RAF London - FOXS 66/425r (RMA-FRAN)
 13696 R 1130 MKG- RAF London - CQ mkr 66/425n (RMA-FRAN)
 18907 R 1300 MKG- RAF London - FOXS 66/425r (RMA-FRAN)
 23191 L 1500 BBC Daventry Feeder (JDM-MN)
 FRAN: 5210 R 1000 FTI576- Rouen Prefecture- SITOR msgs (JK-PFG)
 6340a C 0715 HNN- Paris NAVRAD - V mkr (SN-TX)
 6347.5 C 0015 HNN- Paris NAVRAD - V mkr (RAM-FRAN)
 8453 C var. HNN- Paris NAVRAD - V mkr (LVH-TX)(HGJ-TX)(GLT-NM)
 20078 R 1655 FTU88- Diplo Paris- PP/FF/NX-66/425n (RMA-FRAN)
 GDR.: 10553.7 C 0725 Y7A46- MFA Berlin - V/QPA mkr (SN-TX)
 11459 R 1910 Y7A49- MFA Berlin - Rys 66/425r (RMA-FRAN)
 13538 R 2150 Y7A54- MFA Berlin - Rys 66/425r (RMA-IA)
 17395 R 1730 Y7A73- MFA Berlin - Rys 66/425n (RMA-FRAN)
 22722.2 R 1425 Y7A83- MFA Berlin - Rys 66/425r (RMA-IA)
 GREEN: 22585.5 R 1316 SVU7- Athens MARCO- FEC GK/NX (JK-FRC)
 HOLL: 12799 C 0307 PCH51- Scheveningen MARCO - DE mkr (JWB-CA)
 ICE.: 9846 R 2348 TFC- Bru Radio - testing (JR-ND)
 EIRE: 5533 U 0900 EIP- Shannon VOLMET (RNP-CT)
 8823 U 0130 EIP- Shannon VOLMET (JDM-MN)
 ITALY: 5035 R 1800 IRC29- ANSA Rome - FF/NX - 66/425n (RMA-FRAN)
 7301.9 C var. IDR3- Rome NAVRAD - V mkr (TLP-OH)(SN-TX)
 9090 C 0025 IDR4- Rome NAVRAD - V mkr (RMA-IA)
 13014.7 C 1849 IAR- Rome MARCO - V mkr (MAM-VA)
 13974.2 R 1835 ISX19- ANSA Rome - FF/NX- 66/425n (BLA-PA)
 15693 R 1645 ISX56- ANSA Rome - FF/NX- 66/425n (RMA-FRAN)
 POL.: 20925 R 1200 SOV293- PAP Warsaw- PO/NX- 66/425r (RMA-FRAN)
 ROMA: 8559 C ---- YQ14- Constanta MARCO clg YQ2Z (RP-MO)
 9168 R 1332 YQ14- Bucharest PTP wkg Beirut-66/425n (IK-UK)
 SPAN: 3790 C 0821 EBA- Madrid NAVRAD - CQ mkr (SN-TX)
 6357.1 R 0644 EBA- Madrid NAVRAD - coded tfc-100/850n (RMA-IA)
 8442 R 0237 EBA- Madrid NAVRAD - Rys - 100/850r (BLA-PA)
 12888.1 C 2359 EAD- Aranjuez MARCO - tfc list (RMA-FRAN)
 12932.5 R 1440 EBA- Madrid NAVRAD - WX - 100/850r (IK-UK)
 SWIS: 13023 C 1848 HEB- Berne MARCO - tfc (MAM-VA)
 TURK: 6395 C 2336 TBA3- Izmir NAVRAD - V/DE mkr (RP-MO)
 10423.1 R 1715 YMA7- Ankara Metro- Rys 66/850r (RMA-FRAN)
 18040.2 R 1230 TCY4- AA Ankara- TX/NX 66/850r (RMA-FRAN)

USSR: 3488 A 2331 Tashkent Air wkg Alma Ata & Tbilisk Air (IK-UK)
 3710 R 0216 RDE71- Volgograd Metro- WX (JK-FRG)
 4100 R 1822 RWW73- Moscow Metro - CQ/MC mkr -66/??? (PAC-UK)
 6465 C 1104 UKA- Vladivostok MARCO - CQ mkr (RF-MO)
 8059.6 R 2015 RAW71- TASS Moscow- AA/NX 66/425r (RMA-FRAN)
 8085.2 R 1945 RL121- Khabarovsk Metro - WX 66/170r (RMA-FRAN)
 8535 C 1400 UKA- Vladivostok MARCO - CQ mkr (LVH-TX)
 8687.6 C 0115 URD- Leningrad MARCO - DE mkr (GLT-NN)
 9009 U 0135 Sverdlovsk Aero - RR - ??? (JDM-WN)
 9110.2 R 1730 RD277- TASS Moscow- EE/NX- 66/425r (RMA-FRAN)
 9996 C 0710 RMM- SFTS Moscow- CW ID (SN-TX)
 10004 C 0820 RID- SFTS Irkutsk - CW ID (SN-TX)
 12250 R 1805 RH441- TASS Moscow- EE/NX - 66/425r (RMA-FRAN)
 12901 C 2135 URD- Leningrad MARCO - clg 4KB (PAC-UK)
 13279 U 0442 Novosibirsk VOLMET- EE/XL (GHS-IL)
 20614.8 R 1050 RC075- TASS Moscow- FF/NX- 66/850r (RMA-FRAN)
 22580.5 C 1009 UAH- Tallinn - DE mkr (PAC-UK)
 22782.4 R 1150 RDD73- TASS Moscow- EE/NX- 66/425r (RMA-FRAN)
 YUGO: 5112 R 1800 40C3- TANJUG Belgrade- SC/NX-100/425r (RMA-FRAN)
 10278.7 R 1745 YZ49- TANJUG Belgrade- EE/NX- 66/425r (RMA-FRAN)

**** AFRICA/MIDDLE EAST ****
 ALGE: 8438 C 0826 7TA6- Algiers MARCO - V mkr (unid)
 ANGO: 8903 U 0342 Luanda Aero wkg Springbok 221 (CC-DE)
 12781.5 C var. D3E51- Luanda MARCO- CQ mkr (GLT-NN) (LVH-TX)
 13024 C 0320 D3E51/61- Luanda MARCO - CQ mkr (JEB-CA)
 BRAN: 13539.4 R 1140 A90- Bahrain Air - 5 ltr WX -66/425r (RMA-FRAN)
 22584 C 1010 A9M- Bahrain MARCO - ????? (PAC-UK)
 CNRY: 8945 U 1946 Canarias Aero - ??? (PAC-UK)
 CONG: 8903 U 0707 Brazzaville Aero wkg Lufthansa- 803 (CC-DE)
 DJIB: 8682 C var. J2A8- Djibouti MARCO- CQ mkr (GLT-NN) (RF-MO)
 EGYPT: 5555 R 0337 SIU- Cairo Metro - WX 66/425n (IK-UK)
 GUBI: 20414.7 R 1710 EMBACUBA Bissau - coded tfo-66/425n (RMA-FRAN)
 IRAN: 5107 R 2238 EPD- Tehran Air - RYS - 66/??? (PAC-UK)
 7960 R 2015 IRNA Tehran - EE/NX 66/425r (RMA-FRAN)
 ISR4: 8694.4 C 0120 XVD- Haifa MARCO - CQ mkr (GLT-NN)
 KEN: 13366.6 R 2139 5YD- Nairobi Air - RYS - 66/425n (MAN-VA)
 KUW1: 12176.2 R 1845 KUNA Kuwait - EE/NX - 66/425n (RMA-FRAN)
 18260.2 R 1245 KUNA Kuwait - EE/NX - 66/425n (RMA-FRAN)
 LEB: 19332.5 R 1439 LBL1- Norwegian UNIFIL Beirut - SITOP msgs (JK)
 LIBE: 10880 R 2345 VOA Monrovia - EE/NX - 100/425r (RMA-FRAN)
 13995 R 2000 VOA Monrovia - EE/NX - 100/425n (IK-UK)
 14525 R 0345 VOA Monrovia - RYS - 100/425n (JEB-CA)
 LYBA: 2821.8 R 2329 5AF- Tripoli Air - RYS - 66/425n (IK-UK)
 12186 R 1800 JANA Tripoli- EE/NX - 66/425r (RMA-FRAN)
 MADE: 8461 C var. CUB- Madeira MARCO- CQ mkr (GLT-NN) (JWE-TN)

KIHM- COVE RANGE- PFC 28d MS 500 kHz (HH-MD)
 HBDD- ALBULA- Ltr 89d MS 500 kHz (HH-MD)
 WQZ3277- LITTLE DAN- Ltr 150d MS 12340 kHz (HH-MD)
 GQTC- CALIFORNIA STAR- Ltr 40d IRC 12540 kHz (HH-MD)
 WJEO- TEXAS SUN- Ltr 39d MS 12429.2 kHz (HH-MD)
 WCUU- NANCY LYKES- Ltr/Pic 15d MS 12390 kHz (HH-MD)
 WYN6275- JOAN MORAN- Ltr/Pic 46d MS 12420 kHz (HH-MD)
 6ZXI- STOLT SPAN- Ltr/Pic 53d MS 12330 kHz (HH-MD)
 OYBG- PALSTRIA- PFC/Pic 43d XRP 12540 kHz (HH-MD)
 9VOC- NORDBAY- Ltr 35d IRC 12432 kHz (HH-MD)
 VIAM- AMANDA MILLER- PFC/Pic 64d XRP 12336.2 kHz (HH-MD)
 WY8869- ARUBA- PFC 58d MS 12429.2 kHz (HH-MD)

*** We had a total of 46 contributors this month.

(RMA-FRAN) Roger Aked (SN-TX) Sam Neal
 (BLA-PA) Brian Alexander (RNP-CT) Roger Peterson
 (RMA-IA) Rodney Alexander (RWP-ME) Roger Pettengill
 (SB-CT) Sam Barto (TLP-OH) Terry Provance
 (NEB-MN) Nicholas Berkholtz (RLR-KS) Robert Rankin
 (JEB-CA) Jason Berri (JR-ND) John Reisenauer
 (CC-DE) Cornelia Campbell (GHS-IL) Greg Shepherd
 (MTC-AZ) Mike Chabak (LJS-CO) Leo Stock
 (MCG-NY) Mark Chinsky (WJS-ONT) Wilf Stone
 (PAC-UK) Peter Conway (GLT-NN) Glenn Thompson
 (RAC-VT) Robert Curtiss (PAT-CA) Peggy Thompson
 (JHD-PA) John Demmitt (FV-CO) Fred Valentine
 (JWB-TN) James Evans (LVH-TX) Larry Van Horn
 (RF-MO) Robert Flick (LVV-IL) L.V. Venckus
 (MSH-NC) Mike Hardester (GRW-OH) Gene Walega
 (HH-MD) Hank Holbrook (JDM-MN) John Williams
 (HGI-TX) Howard Johnson (ECW-VA) Bernie Wimmers
 (MWJ-ID) Mark Johnson (TJY-WD) Tom Yingling
 (JRU-MO) Jack Jones (unid)
 (JK-UK) Ian Kerr
 (JK-FRG) Joerg Klingenfuss
 (KWK-VA) Kraig Krist
 (RAL-OH) Robert Leary
 (RJL-GA) Robert Lewallyn
 (MAN-VA) Mike McKinstry
 (LTM-NC) Lewis Morrison
 (RFW-CA) Ralf Munster
 (WPN-NY) William Muzyka

Dear unid, please see next page...

MROC: 13770.0 R 1130 VOA Tangier - EE/NX - 100/425n (RMA-FRAN)
 14971.9 R 1215 MAF Nabat - EE/NX - 66/425r (RMA-FRAN)
 MURI: 14374.0 U 2144 5TPW - Nouakchott PTP wkg Paris/FF (IK-UK)
 OMAN: 12675 C 1250 A4M - Muscat MARCO - DE mkr (JWE-TN)
 SAUD: 10215 R 2330 HZK46 - Jeddah Metro- CQ mkr - 66/425n (RMA-FRAN)
 SEME: 8690 C var. 6VA - Dakar MARCO - CQ mkr (M5H-NC) (LTM-NC)
 13440 C var. 6WV - Dakar NAVRAD - V mkr (JDM-WN) (SB-CT) (MAM-VA)
 16117 R 1736 6VA317 - TELSENBEGAL - testing-66/?? (PAC-UK)
 16952.8 C 2102 6WV - Dakar NAVRAD - V mkr (HGJ-TX)
 16957.5 C 0220 6WV - Dakar NAVRAD - V mkr (GLT-WN)
 SOAF: 6387 C 0455 ZS3J - Cape NAVRAD Silvermine - CQ mkr (JEB-CA)
 8462 C 0470 ZS04 - Capetown MARCO - CQ mkr (JEB-CA)
 8470 C 0435 ZRQ4 - Cape NAVRAD Simonstown - V mkr (JEB-CA)
 8567 C 0425 ZS74 - Cape NAVRAD Silvermine - CQ mkr (JEB-CA)
 8665 C 0500 ZRH4 - Cape NAVRAD Fisantekraal - DE mkr (JEB-CA)
 13073 R 1719 ZSD - Durban MARCO - FEC WX (JK-FRG)
 SUDD: 16203.4 R 1700 SITK - Khartoum Air - tfc with?? - 66/425r (RMA-FRAN)

**** ASIA/FAR EAST ****
 BPC.: 10000 C 0659 BPM - SFTS Xian - CW ID (SN-TX)
 17400 R 2255 BB52 - Shanghai PTP - RYs - 66/425r (JEB-CA)
 HONG: 8619 C 1237 VRN - Cape d'Agullar MARCO - DE mkr (LVH-TX)
 13021 C 1235 VPS - Cape d'Agullar MARCO - DE/GSX mkr (JEB-TN)
 22536 C 0926 VFS22 - Cape d'Agullar MARCO - DE/GSX mkr (PAC-UK)
 INDI: 8500 R 1911 PKF - Bombay NAVRAD - WX - 66/850r (IK-UK)
 INDO: 6337 C 1251 PKF - Dumai MARCO - CQ mkr (RF-MO)
 JPAN: 7836.6 U 1206 NRT - Yokota Monitor wkg NRV Guam Center (MTC-AZ)
 10000 A 0649 JJI - SFTS Tokyo - Ju/JEE & CW ID (SN-TX)
 13054 C 0201 JDC - Choshi MARCO - CQ mkr (GLT-WN) (SB-CT)
 18087 C var. JPA24 - INTERPOL Tokyo - c1g 71A7 TND0 (MTC-AZ)
 (on air daily at 0000 GMT with INTERPOL Bulletin-EE/FF/IT)
 NOKO: 9395 R 2300 HKM21 - KONA P'yongkyang - FF/NX - 66/425r (RMA-FRAN)
 14569 R 0335 HML61 - KONA P'yongkyang - FF/NX - 66/425n (JEB-CA)
 MAJR: 6351.5 C 0126 3BM3 - B'gara MARCO - CQ mkr (RF-MO)
 OKIN: 6470 C 1057 JCX - Naha MARCO - CQ mkr (RF-MO)
 PAKI: 18992.1 R 1255 MFA Islamabad to Geneva-66/425r (RMA-FRAN)
 TIMN: 13563.3 R 1400 3WA22 - CNA Taipei - RYs - 66/850r (RMA-FRAN)

**** PACIFIC OCEAN ****
 AUST: 4500 A 1215 VNG - SFTS Lyndhurst (TLP-OH)
 7500 A var. VNG - SFTS Lyndhurst (SN-TX) (TLP-OH)
 8479 C 0705 VHP4 - Canaberra NAVRAD - V mkr (JEB-CA)
 12000 A 0745 VNG - SFTS Lyndhurst (TLP-OH)
 12907.5 C var. VHP5 - Canaberra NAVRAD - V mkr (IK-UK) (JEB-CA)
 12995 C 1855 VIP4 - Perth MARCO - V mkr (JEB-CA)
 NRW: 3786.1 U 1229 NRW7 - Yap Lorain wkg Yokota Monitor (MTC-AZ)

Unid: You sent in several pages (DXGRAM sheets), but nowhere was your name or initials on them.... When I receive submissions, they go into the contributor box, and any accompanying letter is set aside for a possible reply.... I didn't realize that your name wasn't on any of the sheets, and when I began sorting the loggings, I couldn't recall who sent them in... Sorry....

Next time, leave ONE space BLANK between EACH logging, and please add your initials after EACH logging... TNX

**** RTTY: to mix or not to mix RTTY, that is the question.... I personally find it far easier to mix them, but I will abide by the majority opinion. You don't have to be a RTTY buff to vote on this. So lets hear from you, and not let a small handful decide this question.....

**** I was caught off guard this month. Holiday season activities apparently precluded monitor endeavors, so far fewer of you reported in than anticipated. So I have lots of extra space left....

**** We almost finished the 2nd installment to the SRCU when I had to stop to edit this months utility column. About time you read this, the finalized draft should be on its way to Speedx HQ. The 2nd installment covers the US Coast Guard. I anticipate that the final page count will be in the neighborhood of 100 pages!

**** To those who value the english language, there are a few misspelled words, in the 1st installment, that got by proofing. I typed and proofed the Commercial Aeronautical segment and much to my embarrassment, I consistently misspelled the word Commercial, even down to the title on the flyleaf page!!! It is too late to correct it on the first printing.... I'm good with numbers, but if I'm not careful I can easily murder the english language.....

**** Since late December, we have been drafting the USOC/SRQU section. As such, I have put off answering your letters. I will do so after the Utility Scene is on its way. Sorry for the delays.....

**** J G C CO..... MTC.....

**** To those non-RTTY buffs, "FOXs" refers to a phrase that is used in the test tape. Usually it is accompanied with a series of RYs, plus station ID... It goes like this:

"THE QUICK BROWN FOX JUMPS OVER THE LAZY DOGS BACK"... You will note that all 26 letters of the english alphabet are used in this phrase....

FTFO: 6462 C 0450 FUM- FF NAVRAD Papeete - V mkr (MTC-AZ)
 8625 C 1027 FUM- FF NAVRAD Papeete - V mkr (LTM-NC)
 17380 C 0215 FUM- FF NAVRAD Papeete - V mkr (GLT-NN)
 GUAM: 8710.5 R 1857 NRV- CG Barrigada- FRC WX (JK-FRG)
 HI... 8903 U 0330 KVM70- Honolulu Aero - VOLMET (CG-DE)
 10000 A 0547 WWH- SFTS Kauai - EE/VI ID (KWK-VA)
 11179 U 0451 AGA2- Hickam Ays c/g KING 16/MAC 70009 (GHS-IL)
 13655 C 0401 NNO- CG Honolulu - WX b/c (MTC-AZ)
 16458 C 0055 NMO- CG Honolulu - CQ mkr- WX at 0100 (JEB-CA)
 22476 C 2022 NMO- CG Honolulu - CQ/QSX mkr (MWJ-ID)
 MARC: 7836.6 U 1201 NRVG- Marcus Loran w/g Yokota Monitor (MTC-AZ)
 NCAL: 8646a C 1104 FUJ- FF NAVRAD Noumea - V mkr (RMA-IA)
 12858 C 0520 FUJ- FF NAVRAD Noumea - V mkr (MTC-AZ)
 22461 C 2032 FUJ- FF NAVRAD Noumea - V mkr (MWJ-ID)
 22725 C 0858 FUJ- FF NAVRAD Noumea - V mkr (FAC-UK)
 NZBL: 8504 C 1551 ZLBA- Avarua MARCO - QXSX mkr (IK-UK)
 8599 C 0845 ZLO- Iriirangi NAVRAD - V mkr (unid)
 8903 U var. Auckland Aero - VOLMET (CG-DE) (RWP-ME)
 12944 C 0457 ZLP2- Iriirangi NAVRAD - V/QSX mkr (MTC-AZ)
 13344 U 1450 Auckland Aero - VOLMET (JDM-MN)
 14850 C 2025 ZLX- Wellington Metro - CQ mkr (LVH-TX)
 16874 C 0350 ZLO6- Iriirangi NAVRAD - DE/QSX mkr (JEB-CA)

**** ANTARCTICA ****

8997.0 U 0811 (USN a/c) Xray Delta. 077 w/g Mac Center (LTM-NC)
 8997 U var. McMurdo Gateway w/g Xray Delta 02,03,04 (LTM-NC)
 9106 U 2337 ZHF44- Faraday Base w/g ZHF33 Sigry (JR-ND)
 9106 U 2312 ZHF33- Sigry(SORK) w/g vessel James Cook (JR-ND)
 11552.9 U 0255 NGD- McMurdo Station w/g NQU Siple Sta. (BIA-PA)

**** SHIPS ****

2206 U 0304 BONAVENTURE 2 w/g St. John's MAROP (RWP-ME)
 2670 U 0659 NRPR- CGC CONIFER w/g CG Fort Macon NC (LTM-NC)
 4400 U 0434 NRQW- CGC SWEETCUM w/g CG Miami FL (LVH-TX)
 4400 U 0437 NBZF- CGC CAPE UPLIGHT w/g CG Miami FL (LVH-TX)
 4422.5 U 0256 SS MARDI GRAS p/o via WOO Ocean Gate MARCO (LVH-TX)
 4425 U 0200 LIZA- SUN VIKING p/p via WOM (LVH-TX)
 4425.6 U 0332 LITA- NORWAY p/p via WOM Pt. Lauderdale (LVH-TX)
 6200 U 0240 NVAL- CGC VALIANT c/g any COMSTA (LVH-TX)
 6212 U 1551 CGBT- CANOG J.E. BERNIER w/g FT- CGDX (RAC-VT)
 6292.5 C 1422 CGDX- CANOG DES GROSSEILIERIS w/g CGSJ (RAC-VT)
 6292.5 C 1432 CCBB- CANOG MONTCALM w/g CGBZ (RAC-VT)
 6292.5 C 1427 5MPC- ASIA MORALITY w/g WU Slielail MARCO (RAC-VT)
 6292.5 C 1529 VCRJ- IRVING ESKIMO w/g VCS Halifax MARCO (RAC-VT)
 6506.4 U 0134 NRPK- CGC GLOVER w/g CG San Francisco (JR-ND)
 6506.4 U 0244 NBTW- CGC POLAR STAR w/g CG San Francisco (GRW-OH)

RP-3A This Confirms Reception of an Aircraft of the UNITED STATES NAVY **VXN-8**

Aircraft Callign: W4470/Bonanza 528 Aircraft Type: RPA Squadron/Unit/Group: VXN-8

Frequency: 13247KHz Xmit Mode: USB Output Power: 400W Aircraft Name: Patricent Rose, M6

Call Sign: ZL Xmit Power: 500 W

Bit: 24/10/81

Aircraft's Serial Number: 150528

MARCUS 15. NRV-6

THIS CONFIRMS RECEPTION

UNITED STATES COAST GUARD LORAN STATION

STATION NAME: USCGC BARBARA MARCOS LOCATION: HARBOR I-3 km off CP

DATE: 10 Sep 77 TIME: 0809.5-0941.5 ANTENNA: RT-1015 whip

FREQUENCY: 5310.5 kHz MODE: LSB XMIT POWER: 500 W

SIGNATURE: John B. Knight RMA JWS

THIS CONFIRMS RECEPTION OF AN AIRCRAFT OF

ANTARCTIC DEVELOPMENT SQUADRON - 6

Callign: XO-03 aircraft type: VC-130C squadron #: VXE-6

Frequency: 8997 Xmit mode: USB output power: 400 WATS (SSB)

Date: 9 Dec 77 time: 0815-0900 Z approx QTH at xmit: 75-45 S

Signature: R. Johnson

6506.4 U 1434 NAAO- CCC GLACIER c/g CG San Francisco (LVH-TX)
 6518.8 U 0416 NRQW- CGC SWEETMAY w/kg CG Miami FL (LVH-TX)
 6518.8 U 0420 NBZF- CGC CAPE UPRIGHT w/kg CG Miami (LVH-TX)
 8244.6 U 0256 ABIE- NORTHERN LION w/kg Norddeich MARCO (GRW-OH)
 8272.5 U 0425 LITA- NORWAY w/kg WOO Ocean Gate MARCO (GRW-OH)
 8278.8 U 0519 FYAE- VOLENDAM w/kg WOO (GRW-OH)
 8294.2 U 0316 BAT vessel JAMES COOK w/kg ZHF33/9106 kHz (JR-ND)
 8722 U 0236 m/v ASTOR p/p via WOO (LVH-TX)
 8731.3 U 0206 m/v PATRICIA p/p via WOO (JDM-WN)
 12499a R 0412 UUYG- MORJOVIETS w/kg ??? 66/170n (RMA-IA)
 12505a R 0348 UKNR- VARNA- RYS to UFN- 66/170n (RMA-IA)
 12517.9 R 0107 UUNB- ALMAZNYJ BEREG- t/c to? 66/170n (BLA-PA)
 12523.8 R 1815 UTYI- GORODETSKII w/kg UTY- 66/170n (RMA-FFAN)
 12526.4 R 0105 KAPITAN SMIRNOV - t/c to? 66/170n (BLA-PA)
 12527a R 0840 LYEN- name??- 66/170n "NIL SK DE LYLE" (RMA-IA)
 12546a C 2312 JEMW- TSUREUMI MARU w/kg WCC Chatham MARCO (RMA-IA)
 13109 U 2257 GBTI- QUEREN ELIZABETH 2 p/p via WOO (LVH-TX)
 13116.3 U 1407 ALEUTIAN KEY p/p via WOO (LVH-TX)
 13116.3 U 0250 HP3636- OCEAN RULER p/p via WOO (LVH-TX)
 14466 U 2355 NNM0CVS- USS MISSISSIPPI p/p via NNM0WRQ (LVH-TX)
 14466 U 2320 NNM0CXN- USS PORTLAND p/p via NNM0WRQ (LVH-TX)
 14470 U 0159 NNM0CVG- USS KALAMAZOO p/p via NNM0YXV (LVH-TX)
 14470 U 0146 NNM0CXO- USNS HARKNESS w/kg NNM0NIG (MDC-NY)
 14478 U 2036 NNM0CSI- USS DALE p/p via NNM0UNS (BCW-VA)
 ***** above NNM0C-- calls are USN WARS afloat stations
 16484.8 U 2232 LIZA- SUN VIKING w/kg WOO Ft. Lauderdale (GRW-OH)
 17267 U 1409 WTER- NOAA RESEARCHER w/kg KAG & KVK (LVH-TX)
 20997 U 1640 NNM0CVD- USS SANTA BARBARA p/p via NNM0WCK (GRW-OH)

***** AIRCRAFT *****
 5603 U 1004 SINGAPORE 1 c/g Honolulu Aero (JDM-WN)
 5643 U 1320 CONTINENTAL 311 w/kg Honolulu Aero (JDM-WN)
 5643 U 1303 QUANTAS 3 w/kg Honolulu Aero (JDM-WN)
 5643 U 1246 SOUTH PACIFIC 710 w/kg Honolulu Aero (JDM-WN)
 5673 U 0354 TWA 740 w/kg Shawwick Aero (RWP-NE)
 5692 U 0210 CG 1478 w/kg CGAS San Diego CA (GHS-IL)
 5696 U 0401 CG 2101 w/kg CGAS Mobile AL (GHS-IL)
 5696 U 0212 CG 1485 w/kg CG New Orleans LA (GHS-IL)
 5696 U 0801 CG 1351 w/kg CG Honolulu HI (BLA-PA)
 5696 U 0309 CG 1452 w/kg CG San Francisco CA (JDM-WN)
 5696 U 0046 CG 1454 w/kg CG San Francisco CA (JDM-WN)
 5703 U 0420 MAC 40624 w/kg Croughton Aways (GHS-IL)
 6540 U 0623 CLIPPER 201 w/kg San Juan Aero (GHS-IL)
 6540 U 0211 PALM 230 w/kg New York Aero (JDM-WN)
 6540 U 0144 GUBANA 478 w/kg New York Aero (JDM-WN)

SRGU FLASH ANNOUNCEMENT..... The same day that I had to finish this column and get it mailed, Speedy HQ advised me that the 1st installment of the SRGU is ready. I haven't seen a finished copy yet, nor was I given any pricing data.

As per HQ instructions, I have left the remainder of this page blank, so as Speedy can insert the pricing information.

MC

Well Mike, thank you for handing over part of your last page for the pricing information for the SRGU. There are a few things that need to be pointed out before we get to the pricing however. As Mike has mentioned previously, we will be printing the book and making the book available to you in sections. What we are now offering is just the FIRST SECTION, consisting of:
BASIC INFORMATION: A general overview of what radio is all about...different types of transmission, info on propagation, etc. It's an excellent overview for the seasoned vet and beginner alike.
MORSE CODE: An introduction to the code, how to read and send it as well as how it is used by the various utility services.

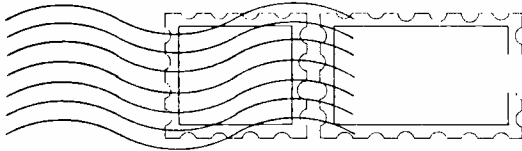
COMMERCIAL AERONAUTICAL: This is rather self explanatory with the section going into types of aero services and the frequencies they can be found on.
 The next section which should be available in about a month will be the Coast Guard Section. It will be offered for sale when it is available.

PRICING: The first section now available will consist of about 70 pages of printed material. Along with this you will also receive a loose-leaf binder. This binder will be able to be used for all future sections as well as this first section. The majority of the cost of the first section is in the binder and the cost to ship it to you. We are making the SRGU available to overseas purchasers without the binder if you so wish. Cost of shipping the book and binder overseas is quite high, so you will have that option.

U.S.A. / CANADA / MEXICO OVERSEAS

BOOK RATE SHIPMENT: \$8.50 postpaid SURFACE RATE w/BINDER \$10.00
 1st CLASS SHIPMENT: \$10.00 postpaid SURFACE RATE w/out \$6.00
 AIRMAIL RATE w/BINDER \$16.00
 AIRMAIL RATE w/out \$8.00

Future sections, as they are available, will cost only a few dollars depending on size of section, etc. Thank you (John Trautschold)



EDITOR:
JOHN KAPINOS
86 S. QUINSIGAMOND AVE.
SHREWSBURY, MA 01545

Deadline: 12th of the month

OSL REPORTS

EUROPE

- AUSTRIA: ORF, 5945, f/d Land of Individual Recreation card in 68 days (Smith-FL); 9270, f/d Phantamorgial Landscape cd in 49 days (Ledford-NJ); 12015, f/d Moosbrunn Transmitter cd in 78 days (Greenbauer-AZ).
- BELGIUM: BRT, 11695, f/d cd in 45 days (Lord-CA); 21810, f/d Cheminee du Franc de Bruges cd in 45 days (Smith-FL).
- BULGARIA: Horizont, Program 1, 7670, Radio Sofia letter on no QSL policy for Home Service Broadcasts along with R.S. skeds in 42 days (Provance); Radio Sofia, 9700, f/d cards in 72 days (Sharp-FL), 36 days (Cleveland-OH).
- CZECHOSLOVAKIA: Radio Prague, 7345, f/d Prague Palace card in 82 days (Smith-FL), in 60 days along with pennant calendar (Kanon-NY).
- ENGLAND: Voice of America Woofferton relay, 7200, f/d VOA card in 20 days (Schulsinger-OH); Radio Canada International Daventry Relay, 7155, f/d RCI "do it yourself" card in 48 days along with RCI pennant and sticker (Pimblett-ALTA); Radio Caroline International, 6310/6850, partial data letter in 64 days, 2 IRC (Pimblett). Note, Nigel's Caroline loggings were made while he was visiting England, not from his Alberta home (kap).
- FRANCE: Radio France Internationale, 21580, f/d 50th Anniversary card along with pennant and sked in 32 days, 2 IRC (Greenbauer-AZ).
- GERMANY, FEDERAL REPUBLIC: DW, 6085, n/d Broadcasting Centre card in 24 days, SAE (McKinstry-VA); Sender Freies Berlin, 6190, f/d Logo card, sked and small sticker in 22 days (Wilczek-IL).
- GERMANY, DEMOCRATIC REPUBLIC: Radio Berlin International, 9620, f/d cd in 90 days (Van Horn-TX), 88 days, 2 IRC (McLeod-OR); 11890, f/d cd, books and pennant in 92 days (Kanon-NY), f/d cd in 47 days (Kapinos); 21465, f/d cd in 42 days (Leite-MA); 21515, f/d cd in 55 days (Smith-FL).
- GREECE: Radiofonikas Stathmos Makedonias, 15030, f/d VOG card with Makedonias overprint in 37 days, 2 IRC (Pimblett-ALTA); Voice of Greece, 9865, f/d Vrontados cd in 55 days (Kanon-NY), 11645, f/d Samos card in 99 days (Smith-FL), 15050, f/d Yora Island cd in 35 days (Ledford-NJ). We had 3 winners in the VOG 15050 contest, our congratulations (and prizes) go out to Mike Schulsinger of Springfield, OH, Don Hosmer of Dearborn, MI and Pierre Ducos of Saint Gaudens, FRANCE.
- HOLLAND: Radio Netherlands, 9895, f/d Van Gogh cd in 12 days (Kanon-NY).
- IRELAND: South Dublin Radio, 6240, f/d cd in 26 days, 2 IRC (Pimblett-ENG).
- ITALY: Radio Pace, 15475, letter in 73 days (Barto-CT); RAI, 9575, f/d cd in 128 days (McCants-AL); 11800, f/d cd in 154 days (Greenbauer-AZ), in 3 months (Sharp-FL).
- MALTA: Xandir Malta, 9670, f/d letter, v/s Victor Aquilina, in 198 days, PFC not returned (Sharp-FL).
- MONACO: TWR Monte Carlo, 9495, f/d card and pennant in 20 days, 2 IRC (Spremo-NY), f/d cd in 75 days (Van Horn-TX).
- NORWAY: Radio Norway International, 25615, f/d Norwegian Costumes card in 33 days, IRC (Ray-PA).

PORTUGAL: RP, 6025, f/d cd in 2 months (Cleveley-OH).

SPAIN: REE, 11880, f/d Picasso painting cd in 30 days (Thompson-NM); f/d World Football Cup card in 22 days, IRC (returned) (Kapinos); 15375, f/d card in 32 days (Miller-CA).

SWEDEN: Radio Sweden International, 11705, f/d Radio Sweden Card in 21 days (Muzyka-NY); 21615, f/d cd in 30 days along with sked and pocket calendar (Claytor-MI); f/d DIY card in 15 days (Spremo-NY).

SWITZERLAND: Swiss Radio International, 21570, f/d SRI HQ cards in 21 days (Wettersten-OH), in 44 days (Kapinos); Red Cross Broadcasting Service, 7210, f/d Globe and Headphones cd in 22 days (Wilczek-IL).

VATICAN CITY: Radio Vaticana, 6015, f/d Chapel Studio card in 79 days (Streeter-NY); 11845, f/d Antenna card in 23 days (Radtke-CA).

YUGOSLAVIA: Radio Yugoslavia, 9620, f/d card in 21 months, 1 months after follow up (holbrook-MD). Hank advises that RY will verify all correct reports. I suspect that much of their mail is being misdirected (kap).

USSR

Radio Moscow Sites:

Blagoveschensk, 9.58, 33 days (Speer-CA)

Kazan, 15265, 48 days (Pimblett-ALTA)

Khabarovsk, 7.17, 12.05, 33 days (Speer)

Komsomolsk-on-Amur, 9.73, 9.79, 33 days (Speer)

Lvov, 12010, card and new pennant in 29 days (Jones-VA)

Moscow, 7.36, 7.44, 39 days (Schulsinger-OH), 9490, 37 days (Smith-FL), 9600, 44 days (Wettersten-OH)

Petropavlovsk-Kamchatsky, 17700, 48 days (Pimblett); 17720, 54 days (Greenbauer-AZ), 15.14, 15.45, 17.72, 21.56, 33 days (Speer)

Simferopol, 7190, 59 days (Welch-MA)

Vinnitsa, 15135, 59 days (Smith-FL).

Vorenezh, 11820, 48 days (Pimblett)

Yuzhno-Sakhalinsk, 7.26, 33 days (Speer)

Radio Kiev: 17870, logo card in 8 weeks (Wilkins-CO).

Radio Station Peace and Progress: 15460, f/d Logo card, personal letter, skeds, New Years card and pamphlets in 22 days (Greenbauer-AZ)

Radio Vilnius: 17870, f/d card, letter, postcard and sked, 109 days (Shorock)

Radio Tallinn: 6085, f/d card and booklet in 45 days (Kapinos)..... Only one catch here, folks, I never heard nor reported them. Instead, I had send a report to Tallinn Radio, a CW UTE. Hmmmmmm...

AFRICA

CAMEROON: Radio Bafoussam, 4000, f/d map card in 133 days for FF/EE report, 2 IRC (Wilczek-IL); Radiodiffusion Nationale, Yaounde, 4850, f/d map card in 308 days, 2 IRC (Streeter-NY).

CANARY ISLANDS: REE Tenerife Relay, 15365, f/d El Greco painting card in 99 days, 2 IRC (Pimblett-ALTA).

LESOTHO: BBC Relay, 9515, n/d Thames cd in 16 days (Kanon-NY).

LIBERIA: VOA Monrovia relay, 15580, f/d cd in 94 days (Schulsinger-OH); ELBC 3255, p/d card 1 month after follow up, 3 IRC (Kusalik-ALTA)

MADAGASCAR: Radio Netherlands Talata relay, 15220, f/d Flevo card in 49 days (Speer-CA).

MOROCCO: VOA Tangier relay, 15205, f/d cd in 17 days (Ducos-France)

NAMIBIA: Radio SWA, 4965, f/d Desert Scene card and "Face of Namibia" booklet in 118 days, 2 IRC (Pimblett-ALTA)

NIGERIA: Voice of Nigeria, 11770, f/d Remebrance Arcade card in 288 days for IRC (Gunter-NC).

SEYCHELLES: F.E.B.A., 15200, usual n/d map card in 39 days, 3 IRC (Provance)

SOUTH AFRICA: Radio RSA, 3230, f/d Cape Town card, 24 days (Wettersten-OH); 4990, f/d Wildflower cd in 26 days (Pimblett-ALTA); 9615, f/d Cape Peninsula cd in 41 days (Smith-FL), 15325, same card along with pennant in 28 days (Kanopka-NY); 21535, same cd in 20 days along with pennant (Sugai-Japan); 25790, f/d card in 37 days (Smith-FL).

SWAZILAND: Swazi Commercial Radio, 6155, f/d Swazi Warrior card in 58 days IRC (Sharp-FL); TWR - Manzini, 7295, f/d folder in 54 days, 2 IRC (Streeter-NY), f/d Transmitter Building cd in 70 days, ms (Kanopka-NY).

UGANDA: Radio Uganda, 15325, f/d card in 22!!!! days for report sent registered mail, ms (Ledford-NJ). Hmm... mebbe I'll invest the \$3.00 or so and try the registered mail routine (kap).

MIDDLE EAST

AFGHANISTAN: Radio Afghanistan, 9665, f/d Ferry-Kurduz River card in 64 days, 2 ms (Jones-VA).

EGYPT: Radio Cairo, 9475, f/d cd in 44 days, IRC (Ledford-NJ).

IRAN: VOIRI, 9022, 3 f/d cds (Islamic Republic, Crowd Scene and Ayatollah Khomeini) in 83 days, IRC (Tate-WV); 15084, letter in 6 months total 4 IRC (Cleveland-OH).

KUWAIT: Radio Kuwait, 11675, f/d folder card along with stickers in 51 days IRC (Ledford-NJ).

QATAR: QBS, 15505, f/d Map and Crest cards in 6 months, IRC (Pimblett-ATLA), in 49 days after follow up, 2 IRC (Pimblett); in 41 days along with post card and sked, 2 IRC (Radtke-CA).

SAUDI ARABIA: BSKSA, 11855, f/d logo card in 120 days along with booklet about Saudi Arabia (Pimblett-ATLA); 6810, 15060, 17940, no data letter in 37 days (Barto). How did you manage to get a n/d letter, sam (kap).

UNITED ARAB EMIRATES: Dubai Radio and Colour Television, 11755, f/d Logo and Map card in 24 days along with nice personal letter, 2 IRC (Hosmer)

ASIA

CHINA: Radio Peking, 11650, f/d 35th anniversary card, sked and set of attractive bookmarks in 32 days (Claytor-MI); 15120, f/d 35th Anniversary cd in 38 days along with sked and bookmarks (Muzyka-NY), 15520, f/d Autumn View of the Great Wall card, pennant and sked in 27 days (Hosmer-MI); 17855, f/d Tai Ho Hall card in 27 days along with sked (McKinstry)

HONG KONG: RTHK, 3940, p/d card in 3 weeks after 2 follow ups, 4 IRC total (Cleveland-OH). To those folks who heard and reported this station back in the Spring and did not receive replies, I would suggest a f/u (kap).

INDIA: All India Radio, 11620, f/d card in 55 days, 2 IRC (Spremo-NY).

INDONESIA: RRI Samarinda, 3295, f/d personal letter 4 weeks after f/u, 27 weeks total, II report, ms (Wilkins-CO); RRI Sumenep, 3355, f/d prepared letter in 45 days, II report, ms (Kusalik-ALTA); RRI Surabaya, 3975, f/d prepared card 2 months after 3rd f/u, 13 months total, II report, ms (Lazarus-LA); RRI Surakarta, 4932, f/d personal letter 11 weeks after follow up, II report, ms (Wilkins); RRI Yogyakarta, 5047, f/d prepared letter in 2 years total after follow ups, II report, ms (Kusalik-ALTA).

JAPAN: JOZ/JOZ4, Radio Tampa, NSB, 3925, f/d "Color photo of ganster at table with Radio, PAC-MAN in upper left corner, NSB brochure and bumper sticker in 38 days, ms (Provance-OH). Remember, PAC-MAN was designed in Japan (kap); Far East Network, 21610, f/d card in 2 months (Cleveland); Radio Japan, 17755, 17825, 21610, 21832, 15300, p/d cards in 20 days (Thompson-NM), in 72 days (Latko-AZ), in 21 days (Ducos-France), in 42 days (Welch-MA), in 1 month (Leite-MA).

KAMPUCHEA: Radio Voice of the People of Kampuchea, 9695, f/d mimeo letter, postcard and sked in a total of 17 months, several follow ups (Kapinos) Yah, whoopee, finally (kap).

KOREA, SOUTH: Radio Korea, 7550, f/d card and pennant in 34 days (Ducos-France); 9570, f/d cd in 42 days along with pennant (Ledford-NJ); 9750, f/d cd and pennant in 31 days, IRC (Tate-WV); 11830, f/d card in 28 days for monitor report (Miller-CA).

MALAYSIA: RTV Malaysia, Kajang, 7295, f/d card, sked and pennant 4 weeks after follow up, IRC (Wilkins-CO); Radio Malaysia, Kuching, 4950, f/d card in 35 days, IRC (Wilkins).

MONGOLIA: Radio Ulan Bator, 6383, 12070, f/d Logo cards in 132 days, 2 IRC (returned), (Pimblett-ALTA), in 174 days, 3 IRC (Hosmer-MI), in 60 days, IRC (Tate-WV), in 60 days (Van Horn-TX), in 182 days, IRC (Schlesinger-TX).

NEPAL: Radio Nepal, 3425, f/d plain white card, sked and information sheet in 331 days, 5 IRC, reported and received by Registered Mail (Hardester-NC, logged and reported from CA). Nice job here, Mike. (kap).

PHILIPPINES: American Forces Radio, 21670, f/d Department of Defense card noting "Poro" site in 133 days (Pimblett-ALTA). Note, AFRTS supposedly will not QSL reports from U.S. listeners. Perhaps a nice letter to your local Congressman might help (kap).

SARAWAK: Radio Malaysia Kuching, 5030, f/d Broadcasting House card in 87 days, IRC (Thompson-NM).

SRI LANKA: AWR via SLBC, 11835, f/d RMI card in 24 days (Welch-MA), f/d RMI card in 24 days, IRC (Kanon-NY).

TIBET: Xizang PBS, 9490, f/d card via Peking, card noted "Tibet" rather than the usual "Xizang", 22 days (Schlesinger-TX).

TURKEY: Turkish Police Radio, 6340, f/d card in 383 days, IRC (Streeter-NY), in 17 months, 2 IRC (Klasek-MO). Bit of a patience needed here (kap). Looks like they have somenew QSLs printed up (kap).

VIET NAM: Voice of Viet Nam, 10080, f/d verification certificate in 187 days (Wettersten-OH); 15010, f/d logo card and pennant in 180 days (Van Horn-TX).

OCEANIA

AUSTRALIA: ABC, 9670, f/d Black Swans card in 20 days (Cleveley-OH); Radio Australia, f/d Koalas card in 28 days, 2 ms (Philip-BC).

GUAM: KTWR, 11920, f/d Antenna Slew Switch card in 27 days, also rcvd skeds, sent U.S. ms (Schulsinger-OH).

PAPUA NEW GUINEA: Radio West New Britain, 2340, f/d Black and White Map card in 67 days, ms (Schlesinger-TX).

SAIPAN: No KYOI QSLs yet, but here's some info. Reports should be sent to Radio Station KYOI, Saipan, CM 96950. Note that Sapan is a U.S. Territory and as such uses U.S. Postage. Also, mail from the U.S.A. to Saipan requires only a 20¢ stamp and all mail is sent via Air. Now, a contest, of course. First KYOI QSL copy in wins. Usual rules, postmark determines the winner (kap).

TAHITI: France Regions Trois, 11825, f/d Conch Shell card in 36 days, 2 IRC (Kanon-NY); 15170, same cards in 178 days, 2 IRC (Van Horn-TX), in 42 days, IRC (Latko-AZ), in 13 months after f/u, IRC (Holbrook-MD).

ANTARCTICA

LRA 36, Radio Nacional Arcangel San Gabriel, 15474/15476, date only personal letter and brochure in 1 year, 2 IRC, tape (Lobdell-MA), full data folder card and letter in 121 days, SS report (Barto-CT); n/d Logo cd and personal letter in 183 days, SS report, ms (Schlesinger-TX).

SOUTH AMERICA

ARGENTINA: RAE, 11710, f/d card and sticker in 33 days (Pagano-DC).

BOLIVIA: Radio Abaroa, 4729/4730, f/d Pink card in 90 days, SS report (Streeter-NY), in 44 days (Barto-CT), in 5 months, SS report, IRC (Wilczek-IL). Religious booklets were also received. V/S is Rolman Medina M, QSL Manager.

BRAZIL: Radio Poti, 4965, p/d personal letter in 138 days for PP report (Wilczek-IL); Radio Rio Mar, 9695, n/d map card in 38 days, PP report and ms (Parks-FL); Radio Clube/Ribeirao Preto, 15415, f/d letter with information on the station and the city in 14 days for PP report and ms (Hall-CA).

ECUADOR: Escuezas Radiofonicas Populares, 3985, p/d personal letter and postcard in 20 weeks after f/u, 51 weeks total, SS report, ms (Wilkins-CO); Escuelos Radiofonicas Populares, 5105, p/d personal letter in 82 days for SS report, ms, postcard also received (Streeter-NY);

ECUADOR: (continued) HCJB, 3220, denial letter stating that they do not use 3220 (?????) in 7 weeks, follow up immediately sent out (Wilkins); 9745, f/d Alfombrilla card in 39 days (McCants-AL), 11915, f/d St. Joseph's Rod card in 38 days, IRC, also rcvd 1983 calendar (Gunter-NC); 15155, f/d Orchid Cattleya card in 100 days, ms (Thompson-NM); 21477.5 f/d Orchid Cattleya cd in 118 days (Provance-OH), f/d Cleome Spinosa card in 36 days (Barto-CT); 18025 (yes, 18025), f/d letter from Roger Stubbe explaining how PP and EE programming wound up mixing on this frequency due to antenna configuration, in 5 weeks for taped report, US ms (Kapinos-MA).

FRENCH GUIANA: FR3, 5055, f/d card in 127 days (Pagano-DC); same in 35 days along with sticker, 2 IRC (Pimblett-ALTA), in 91 days for FF report and ms (Hall-CA).

GUYANA: GBC, 5950, f/d letter in 457 days after f/u, 2 IRC (Pimblett-ALTA).

PARAGUAY: Radio Nacional, 11915, frequency only form letter via registered mail in 52 days, SS report, 2 IRC (Pimblett).

PERU: Radio Amazonas (WRTH lists a Samaren), 4815, f/d "Certificado de Sintonia" card and long personal letter in 145 days for SS report, v/s Marily Mestanza Prada (Huffaker-MEXICO), Radio Andahuaylas, 4840, p/d personal letter in 29 days registered mail, SS report, (Wilczek-IL); Radio Oriente, 6190, n/d personal letter and blue/black pennant in 27 days registered mail, SS report (Wilczek).

SURINAME: SRS, 4850, f/d mimeo letter and card in 22 months, 3 IRC (G. Raymond-MA) (see, Greg, told ya to be patient -kap); same in 26 days 2 IRC (Ledford-NJ).

VENEZUELA: Radio Carora, 4910, p/d personal letter in 25 days, SS report and ms, v/s Carlos Gonzalo Gonzales, Gte. General (Wilkins-CO).

NORTH AMERICA AND THE ISLANDS

ANTIGUA: BBC Relay, 6175, f/d prepared card in 12 days (Hall-CA).

BELIZE: Radio Belize, 3285, f/d map card in 52 days, 2 IRC (Ledford-NJ).

CANADA: Radio Canada International, 9755, f/d Do It Yourself card in 59 days along with pennant and sticker (Claytor-MI); 5980, same in 6 weeks (Kapinos); CBC Northern Quebec Service, 6195, no data "Thank You" Eskimos card in 26 days (Wilczek-IL); CHNX-Halifax, 6130, f/d Canada's Ocean Playground card in 28 days along with stickers, for MS (Drolinger-WI); CFRX-Toronto, 6070, Marine Mobile card in 4 weeks (Cleveland-OH). We had a tie in the Syndey, NS contest, so duplicate prizes were awarded to Terry Klasek of St. Louis, MO and Chris Lobdell of Malden, MA.

COSTA RICA: TIQ - Radio Casino, 5954, date/freq white card in 76 days along with green/white pennant for EE report, 2 IRC (Pimblett-ALTA).

CUBA: Radio Habana, 17750, f/d cd in 195 days (Van Horn-TX).

HAITI: Station 4VEH, 11835, f/d card in 37 days, IRC (Thompson-NM), in 38 days, 2 IRC (Gunter-NC), in 39 days, IRC (Sharp-FL), in 40 days, 2 IRC (Ledford-NJ). Yep, that's the way they came in, 37, 38, 39 and 40 days. (kap).

HONDURAS: HRCV, 4820, f/d Logo cd in 20 days (Lord-CA).

U.S.A. Voice of Free China via WYFR, 5985, f/d card, sked and stickers in 159 days, IRC (Bartsch-MN); WRNO, 15420, p/d "World Wide DX Club" card in 77 days (Muzyka-NY), 11940, same in 70 days (Hensley-TX); WYFR, 11850, f/d card in 25 days (McCants-AL), in 4 weeks (Cleveland-OH); United Nations Radio via Greenville, 17730, f/d UN Building card in 6 days (Schlesinger-TX); VOA via Greenville, 15205, 15600, f/d cards in 21 days (McCants-AL), in 57 days (Schulsinger-OH); VOA via Bethany, 26000, f/d card in 11 days (Kapinos).

KAP'S KOMMENTS

A little light this month. Very little material in from CDE, so suspect that Peggy's moves to and from the East Coast might have resulted in the mail getting a little fouled up.

Have received quite a few letters regarding the proposed "KAP'S SWAPS"... Looks good, deadline for the first issue will be February 25 with it going out by March 3. To get a listing, drop me a line with your complete address advising what you have to swap, SWL cards, Shack photos or station promo items (pennants, stickers, skeds, pins, etc). Your listing will appear in 2 consecutive issues, to continue being listed you must send me another request (this is so that folks who lose interest, etc. will not be listed forever). The flyer will be sent out to anyone who sends along an SASE, Canadian readers may either send a 35¢ Canadian ms or 20¢ in U.S. ms, foreign readers may send an IRC or 40¢ in U.S. ms. That's per issue, of course. You may send in more than one SASE at a time, we'll keep the extra ones on file for future issues. Remember, this project is independent of the QSL column. It's too early to tell whether or not we'll be publishing monthly or bi-monthly. From the mail I've gotten in the 10 days or so since the January SPEEDX went out it seems like there is a real need and desire for this type of publication.

Ah, let's have another contest. As you know, Radio Peking officially changed it's name to Radio Beijing on 1 January 1983. So, earliest QSL from "Radio Beijing" wins. The official (for these purposes) earliest possible time would be 0001 GMT on 1 January. Deadline for entries will be February 25. Prize, well, how bout a \$5.00 gift certificate from DX Stamp Service.

One thing about sending QSLs to me. Please DO NOT send me your originals. Photocopies are fine, and I don't have to worry about losing one of your prized QSLs or having the U.S.P.S. mash it up.

Remember, I try to answer all mail as soon as possible. Sometimes my sked gets a little hectic with my regular job, this column and HAP, so please be patient.

BEST, Kap 1.15.83

Prepared QSL	
CONFIRMING YOUR RECEPTION OF OUR STATION:	
Station	BBC - Caribbean Relay
Prefix	St. John's
Frequency	6175 kilohertz
Date	December 8, 1982
Hour	0029 to 0059 GMT
power	250 kw total 67 kw on 540°
for Chief Engineer	<i>[Signature]</i>
Stuart Parker Hall	

QSL
Verification Card
Turkish Police Radio
(Türkiye Polis Radyosu)

*Via: Terry Klasek
and Bob Streeter*

Dear listener,
Your report of reception of Turkish Police Radio (on 6340 kHz) on DECEMBER 10th, 1981 from 08:00 to 08:42 GMT is correct
Thank you very much for your interest.

Sincerely,

Station Director
Yayın ve TV Şb. Müdürü
Emniyet Genel Müdürlüğü
Ankara/TURKEY

Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

TECHICAL ROUNDUP

EQUIPMENT, ANTENNAS, RECEIVERS,
ACCESSORIES, AND NEW IDEAS

TIMEX SINCLAIR 1000 COMPUTER

by Morris Pfeffer, NY

I bought the TS 1000 for \$90 because of the imminent availability of hardware and software for reading CW and RTTY. I have avoided buying a dedicated reader but I found the idea of running from an otherwise general purpose computer very interesting. Meanwhile, I have been charmed by the TS 1000. This is the first computer I have ever had complete access to. I am the senior system programmer and I can do whatever I want—including crashing it.

This is my first personal computer but I have been using time-sharing systems and programming in BASIC for about 15 years. I have also programmed Wang, Texas Instrument and Hewlett-Packard calculators. I have never been concerned with system considerations but just with writing programs for numerical and statistical analysis. Undoubtedly my comments will reflect this background.

The TS 1000 has a lot of potential performance and power. The BASIC interpreter has just as much capability as any other version of BASIC I have ever used. In fact, this is the first computer I have ever used to offer n-dimensional arrays rather than restricting me to 1- or 2-dimensional arrays. The central processing unit (CPU) is a Z80 chip. This is the same chip used in a lot of the bigger, more expensive microcomputers (for instance, Radio Shack). The basic TS 1000 comes with 2K (2048) bytes of random access memory (RAM) and if you get even half serious about programming, this will not be enough. A whole bunch of upgrading accessories (including more memory) are available from several suppliers. Upgrading the TS 1000 to any particular level of performance or capability will ultimately cost as much as would buying at that level at the start. The advantage is that you can start off cheap, decide if you want to spend more and, if so, do it in graded steps. You absolutely need a TV (black and white does fine, there is no color capability built in) to see what is happening and a cassette recorder unless you are willing to only operate from the keyboard. You probably will not factor these into the cost if you already have them.

There are many people who want to use a computer rather than learning to use a computer (I am not denigrating them, they know what they want). There are canned programs available from Timex and other sources. A tape recorder is absolutely necessary to use them. In most cases a memory extension will also be necessary. What they will not get is the glossy appearance of other, more expensive microcomputers. I am not sure about the extent to which they will have to worry about housekeeping.

The Sinclair ZX-80 came out in 1980, the Sinclair ZX-81 in 1981 and the TS 1000 in 1982. For such a relatively short time there is a lot of literature available and a lot of hardware and software suppliers. It is a good bandwagon to get on, there will be a lot more TS 1000 out there than any other brand even if the majority of them wind up collecting dust or getting scoffed off at garage sales and flea markets. Under the circumstances it would be well to be cautious about the material available at this stage of the game. I would recommend using the users manual as an instruction manual at the start. Once you have made up your mind as to how you consider the users manual to be deficient you can go out and buy a particular book to meet those deficiencies. There are two books I would recommend to anyone with more than a passing interest in the TS 1000. One is The Sinclair ZX81. Programming for Real Applications by Randle Hurley (Dilithium Press) and the other is The Timex Computer Made Simple by Campbell, Siminoff and Yates (Signet). I do not know that most of this second book is that great but it has an appendix listing periodicals, hardware and software suppliers and user groups.

I am in the process of getting connected with a user group. I need critical information on hardware and software suppliers and operating information which must be relatively common knowledge but which I have not got to yet.

Example 1. The Z80 CPU can address a maximum 64K bytes of memory. In the TS 1000 bytes 0-8K are in the read-only memory (ROM) containing the BASIC interpreter and system monitor.

Bytes 8-16K are unaddressable, they do not exist. One reason for the TS 1000 cost reduction is that the CPU also drives the TV display and the cassette interface. The missing 8-16K slice might be reserved for this function or it might be reserved for ROM expansion in a more advanced system but this should mean that only 48K bytes of RAM are ultimately available to the user. However, 16K, 32K and 64K RAM additions are being offered for sale. I think I am facing some specmanship and I would like to know what is going on.

Example 2. If a program is written using the internal 2K RAM in the naked TS 1000 and saved on a cassette tape it can not be loaded onto a unit mounting an accessory RAM. It must be written and saved with the accessory in place. I would like to find out if there are any more such surprises—the easy way.

Example 3. According to the users manual, a negative number cannot be raised to a power. If it is tried an error message, that an integer was out of range, should be displayed. This is not what happens. For instance, if -2 is squared

$$-2^2 = -2**2 = -4$$

Squaring a negative number should yield a positive number. Continuing,

$$-2**3 = -8$$

which is correct. But then

$$-2**4 = -16$$

Evidently the unary minus is just carried along. The answer is correct if a negative number is raised to an odd integer power but if a negative number is raised to an even integer power the result is wrong. Trying to correct this situation by using $(-2)**2$, $(-2)**4$, etc. results in an error message indicating an invalid argument. This programming trick would restore the original intent. Otherwise there are tests for sign of the operand and evenness or oddness of the exponent which would avoid errors. I would like to check my thinking against other solutions for this bug. This might not be a problem in most personal computer applications but there are some technical applications where you could come into an exponentiation with the wrong combination of operand and exponent sporadically. However, there has never been a computer of any class or condition which has not been found to harbor software bugs.

I am a SWler but my first for-real program was related to DXing. Given the month and day, two locations and their latitude and longitude it calculates short-path distance, bearings from each location to the other, sunrise and sunset times at each location and the number of hops the signal takes. It was adapted from an HP-97 calculator program I had written. This program takes just about every bit of the 2K RAM available. The program occupies 1353 bytes. After running, 25 bytes have been used up by the display file, 153 bytes for the variable file, 37 bytes for typing line and work space, 351 bytes for the calculator and machine stacks and 4 bytes for the gosub stack. The only portion of this which is unused is the 4 bytes left in the gosub stack (no GOSUB commands in the program). The other portions of the RAM plus the 125 bytes of system variables used up 2044 bytes of the 2048 bytes in the RAM. This does not mean that the basic TS 1000 has no more power than the HP-97 because the HP-97 only prints out numbers. The alphabetic capabilities of the TS 1000 have been used to prompt input and identify output. With more memory the program could be fancied up by adding control and reflection points, etc., for the signal path.

If you do not want a computer do not buy one. If you do want one, you must consider your tastes and interests. Some people will love the TS 1000 and others will hate it.

ICOM IC-R70 COMMUNICATIONS RECEIVER

by Ronald Pokatiloff, IL

A few years ago I complained that companies like Yaesu and Kenwood have been selling us short by giving us inferior, simplistic shortwave sets. Well, it took a newcomer, ICOM to deliver the goods. To put it bluntly, for multi-purpose use, the IC-R70 is the finest HF receiver available AT ANY PRICE!! This rig has features that even expensive \$10,000 sets don't have!

Outstanding performance on the following features and specs: AGC. . .off-slow-fast; NB. . . 2 widths, cuts most woodpeckers about 60%; CW, RTTY, SSB, AM, FM modes. . .reads carrier freq.; preamp.; AF-RF gains; 2 VFO's; tone control and squelch (Great feature!); Ham and general coverage modes; 10-100 Hz-1 kHz tuning rates; RIT (delta tune); notch and passband tuning; dimmer; selectivity. . .6 kHz, 2.3 kHz and 500 Hz (all standard!); stability. . .no drift whatsoever from the time you turn the set on; sensitivity. . .excellent; freq. counter easily adjusted, the same with the torque on the outstanding main tuning knob; overload, not a problem; audio, outstanding in ECSSB and SSB modes; CW performance and ECSSB-SSB is the best of any radio on the market (you tune one exalted

carrier or SSB station and all the others will be automatically tuned in. You use the RIT-Fine Tune for touch up of stations that are not transmitting on the exact freq!); readout. . .4-6 Hz (!) when freq. counter is precisely calibrated; longwave. . .excellent.

There are a few shortcomings: Some hum, spurs, and unusual (and interesting) synthesized sounds. . .like musical notes; attenuator is 20 db step; lower ham sideband is selected below 10 MHz. . .you must defeat this and retune (all the basic functions of this rig are computer controlled.) if you want USB of utility or ECSSB; my unit has a bad AF control; audio in AM is bassy. . .but this shortcoming makes the exalted carrier audio so good; passband not effective in AM mode.

Conclusion: If you are only interested in listening to very weak DX stations, or the broadcast AM mode, the Drake R7 is better. . .if you can afford one. For all other users (and the DXer's who can't afford the big bucks for the Drake), the ICOM IC-R70 is THE BEST!! What is more amazing is the price. I got mine from Ham Radio Outlet for \$666.00 plus \$2.00 C.O.D. (no shipping charges). We have indeed come a long way.

Also, the new Kenwood R-2000 looks like a winner for those who want more casual, automatic listening of broadcast, UTE and hams. The R-2000 has scan feature on a 10 channel memory, plus other computerized functions. Too bad they left out the keyboard entry. The radio can be obtained for about \$500 from the California ham stores, like Ham Radio Outlet.

HOW TO MAKE PATCHCORD TAPE RECORDINGS ON THE SONY ICF-2001?

by Don McCants, AL

I recently made a discovery on a good way to make cassette tape recordings using a patchcord from the SONY ICF-2001 portable shortwave receiver. This discovery should be useful for those SWL's and DXers who own the ICF-2001, and who want to tape-record

broadcasts off-the-air on the ICF-2001.

The discovery that I recently made was very simple, really. The best method for making patchcord recordings on the ICF-2001 is to connect the output end of the patchcord to the earphone jack of the radio, and not to the recording output jack just below the earphone jack. It has been my experience that using the recording output jack on the ICF-2001 for recording on my portable cassette recorder has had disappointing results, as the recording output jack tends to severely attenuate the signal output that is recorded by the tape recorder. I have had excellent results with using the earphone jack for recording with a patchcord, with excellent audio quality.

There is only one drawback to this particular recording method. The ludspeaker is disconnected, of course, when the patchcord is plugged into the earphone jack, and this makes it difficult to monitor what is being recorded. The only solution I have found to this problem is to plug in an earphone to the earphone jack on the cassette recorder, and it is possible this way to monitor the programming being recorded. This should be no real problem, as most portable cassette recorders now have automatic voice level controls which set incoming signals via patchcord at the proper recording level.

I hope that this information will be useful to Sony ICF-2001 owners who want to record radio programs off their radios.

OPINIONS AND VIEWS

VIEWPOINTS ON A VARIETY OF TOPICS RELATED TO DXING AND SWLING

OUT THERE SOMEWHERE

by Kraig Krist, VA

Why do stations use different frequencies during a broadcast or during subsequent broadcasts? Why also do stations refuse to give exact frequencies, preferring meter band references instead? These two questions have puzzled me for eons. I hereby submit a few thoughts on why broadcasters are so elusive.

Probably, without a doubt, the reason broadcasters use different frequencies during each transmission are to escape interference/jamming that was present during the previous transmission. This seems like a reasonable maneuver, or is it? For the sake of discussion we'll believe that the broadcasters hope to reach a certain group of people. How will the intended listeners find the station day after day? Unless the listeners are real die hards, I can't imagine them eagerly playing cat and mouse for too long. I've given up trying to hear a particular station after several frequency jumps. Faced with possible loss of audience why broadcast at all? Only the truly devoted will keep up with the broadcasters. What good will the broadcasts now accomplish, converting the already converted?

Flexibility is another valuable asset. For example, if 6820 kHz is crowded, jammed, or not propagating, broadcasters have the flexibility to select a more suitable frequency.

This is fine for the broadcasters, but once again the listener suffers. Flexibility is expertly utilized by Soviet broadcasters. Radio Moscow "cheats" the system while appearing to be stable. Their frequency schedule lists say 7.24 MHz. I've noticed them using 7240 kHz or 7245 kHz. What about stations legally registered to 7240 or 7245 kHz? I guess Radio Moscow does not care about the other stations.

For as long as I can remember, Radio Peace and Progress have never committed themselves to exact frequencies. Their schedules, program announcements, and QSLs refer just to meter bands. How can they expect a listener to find them? (That's if one really wants to in the first place). If Radio Peace and Progress presumes that I'm going to scan a whole meter band looking for them, they're crazy.

What conclusions can we draw about elusive broadcasters? I believe they alienate instead of support listeners through their methods. Perhaps they're only broadcasting to hear themselves talk, but we know they're out there somewhere.

IS SINGLE SIDE BAND THE SOLUTION?

by David Sharp, FL

Probably every SPEEDXer is aware of the proposed switch to SSB in the SW spectrum by the ITU—WARC. I personally feel such a switch is unjustified.

Those people who are proponents of SSB argue that a conversion will provide more available frequencies in the various shortwave bands. Perhaps this is the case. But, when we have the extra frequencies, what's to keep the HF broadcasters (especially R. Moscow, VOA, etc.) from utilizing these frequencies? I also feel an SSB conversion would force many stations in the Third World to shut down because they would not be able to make the switch. That would certainly be a terrible situation, and I think I would probably end up throwing my Hammerlund in the garbage.

I feel that if the current situation was analyzed, a different solution could be found. First, each HF broadcaster should be restricted to the amount of frequencies used at one time. I also feel the broadcaster should be limited to the power used on SW. Stations breaking these regulations should be fined or restricted. If the ITU, for example, policed the bands, regulations would be possible. I also feel stations should have more freedom with out-of-band broadcasting. However, stations wishing to broadcast in such areas should have a guideline to follow, so to avoid interfering with other services.

Thus, it seems apparent the ITU should consider the effects and results of SSB before it is implemented. Perhaps my views are narrow, and not of the scope to realize the benefits of SSB. But, if a 16 year old kid like me can think of alternative ideas, don't you think the ITU could do the same?

WWV-WWVH

WWV-WWVH—THE US TIME BASE

by Leon Kanopka, Jr., NY

The US time service first started broadcasts in March of 1923. They were broadcasted from station WWV in Washington, DC and since then has moved its transmitters four times. The first move came in January of 1931, when they were moved to College Park, MD to allow for the use of crystal controlled transmitters and time announcements to improve accuracy. In April of 1933, WWV began transmitting on its first twenty kilowatt transmitter in Beltsville, MD. In January of 1943, WWV moved to Greenbelt MD where it remained for the next 23 years, when it made its final move to Fort Collins, Co. This was in December of 1966, and the station has remained there to this day. The transmitter coordinates are 40° 40' 49" North, and 105° 2' 27" west. The early transmissions from WWV did not have any time announcements. They consisted only of the time pips. The voice announcements were added to WWV in January of 1950. The voice announcements from WWV are those of a man.

WWVH, the time station in Hawaii commenced broadcasts in November 1948, from Maui, Hawaii. This station also did not broadcast voice announcements at the start. They were added in July of 1964, using the voice of a female to avoid confusion with WWV, as the same broadcast frequencies are used. WWVH has also moved since the conception of broadcasts. In 1971 WWVH moved from Maui to Kauai, Hawaii, where it now remains. The transmitter coordinates are 21° 59' 26" North and 159° 46' 0" West.

Both WWV and WWVH broadcast twenty four hours a day on 2.5, 5, 10, and 15 MHz. WWV has an additional frequency of 20 Megahertz. The transmitter power on these frequencies are all 10 kHz except for 2.5 MHz and 20 MHz. 2.5 MHz from WWV has a power of 2.5 Kilowatts and a power of 5 kilowatts from WWVH. 20 Megahertz has a power of 2.5 kilowatts from WWV only. The antennas at WWV and the 2.5 MHz antenna at WWVH are omnidirectional half-wave dipoles. The other antennas at WWVH are phased vertical half-wave dipole arrays, to radiate a cardioid pattern in a westerly direction.

The time is announced in Coordinated Universal Time (UTC), and at WWV is announced at 7½ seconds before the minute. At WWVH the time is announced at 15 seconds before the minute. This is to avoid interference to one another. The time pips are broadcast simultaneously from both stations, although they are not necessarily received at the same time due to propagation effects. The identification announcements are given at 59 minutes past the hour at WWVH and immediately after the hour at WWV. The transmitted frequencies at these stations are accurate to within 1 part in 100 billion at all times.

Other services beside the time scale supplied by these stations are: UT1 time corrections (information on the time scale used in navigation), Omega Navigation System status reports, geophysical alerts and propagation information, and marine storm warnings. The Omega system reports are unimportant to the shortwave listener, as are the UTA time scale corrections, although the propagation information, given at 18 minutes past the hour from WWV, is very useful. From these reports one can tell if there are favorable conditions for long distance signal travel. The weather broadcasts can also be useful, for keeping track of severe electrical storms, and hurricanes, that could mean some rare DX catches because some stations may remain active for longer hours than usual, broadcasting the hurricane warnings.

Both stations will QSL accurate reception reports with a folder card. The addresses are: WWVH, P.O. Box 417, Kekaha, Kauai, Hawaii 96752; WWV, 2000 East County Road 58, Fort Collins, Colorado 80524. If you want more information, you can also ask for their publication NBS Time and Frequency Dissemination Services (NSB special publication 432).

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STATION REVIEW

AZAD KASHMIR RE-EXAMINED

by Adrian Peterson, India

Recent reports in several reputable DX magazines and DX programs seem to indicate the fact that there are indeed two radio stations in Azad Kashmir, one at Muzaffarabad, and the other at Trarkhel. Azad Kashmir is the small, narrow section of Kashmir which is administered by Pakistan. Trarkhel was the first administrative center of Azad Kashmir, and Muzaffarabad has become the capital city of the territory.

I have visited Kashmir twice, and I have made radio monitoring observations on several occasions from nearby areas. The scanty historical information indicates that the first broadcasts from Azad Kashmir were made from the back of an army truck, commencing on April 16, 1948 from Trarkhel. However, I have long considered that when a permanent station was established, the site chosen was Muzaffarabad, and that there has only ever been one radio station on the air at any one era in Azad Kashmir.

However, quite by chance, as I was setting up my home again in Poona India after a lengthy furlough in North America, I came across a letter from a former student of the Voice of Prophecy correspondence school in Lahore, Pakistan, who lived in Azad Kashmir. He was the man who delivered my reception reports personally to Azad Kashmir Radio, some years ago. Ever since that time, AKR has been issuing QSL letters.

A re-reading of the letter from Azad Kashmir does admit the possibility of there being two radio stations in Azad Kashmir, back in 1973. Apparently the SW station was at Trarkhel, and a MW station at Muzaffarabad. However, to complicate matters, QSLs for AKR SW have been issued indiscriminately from both Muzaffarabad and Trarkhel, and by the same man.

On April 29, 1976, a 10 kW MW transmitter was inaugurated in Azad Kashmir, and post-event deliberation would suggest that this transmitter replaced a much lower powered unit at the same location. This unit may have been as low as 250 watts, but no DXer has ever reported this station, except Greg Calkin who visited the site in 1974.

Current DX observations state that two different ID announcements are given on SW, one identifying Muzaffarabad, and the other Trarkhel. I would suggest that probably there is still only one SW site, Trarkhel, and that the two studio sites, Muzaffarabad MW and Trarkhel SW, are both feeding programs to the SW transmitter site.

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TIDBITS

STILL MORE ON POP. COM.:

Glenn Hauser (FRENDX, 11/

82, p. 21) and Roger Peterson (SPEEDX, 12/82

p. 53) apparently do not yet think much of

the new, well-capitalized Popular Commun-

ications. Nevertheless, other SPEEDXers

(Tom Keitel, Gerry Dexter and Harry Helms)

are among its editors, so that it is too

soon to sell it short. Issue No. 3 (Nov.

1982) contains the following articles of

SWL/DX interest: "DXing the Soviets,"

"Secrecy and Other Codes Used in RTTY,"

"Ideas for Preparing Emergency Receiving

Antennas," "Equipment Grounding for Per-

formance," Issue No. 4 (Dec. 1982) offers

the following: "Secrets of Propaganda

Broadcasting," "A DXer's New Year's Eve,"

"The Continuing Numbers Stations Mystery,"

"Monitor the NWS's HF-SSB Emergency Backup Network." Issue No. 5 (Jan. 1983) presents "Jamming: The Electronic Iron Curtain," DXing The Dominion," "Line Noise Interference Elimination," and a couple of interesting book reviews. All three issues include the following regular departments: "What's Happening: International Broadcast Bands," "Activities of Underground Broadcasters," "Your Guide to SW Utility Stations," "The Exciting World of RTTY Monitoring." Their advertisements, correspondence, and "New Products" do not ignore the SWL/DXer. In fact, if the SWL/DX community supports Popular Communications with subscriptions and written contributions, it has the potential for becoming a very good SWL/DX organ. At first glance, this new monthly may seem to have three possible faults: Much of its SWL/DX material tends (at present) to be elementary and some has been derived from SPEEDX, SWL FRENEX, RIB, etc. This SWL/DX contents is interspersed among materials relating to various other types of radio communications. The "ham" community receives relatively little attention, even though its publisher also issues CQ. Except for the last, these faults may be real strengths in disguise. Not only does Pop. Com. put SWLing/DXing into a healthy wider context, but it calls SWLing/DXing to the attention of other sorts of radio hobbyist, including hams who are numerous among the subscribers. Many of these various individuals are quite likely to become excellent candidates for membership in SPEEDX, ASWLC, NASWA, etc. Thus it is to be hoped that Popular Communications will receive our support, so that the SWL/DX hobby will be more adequately represented on the national radio scene. (Subscription in USA \$12/yr. Address: 76 North Broadway, Hicksville, NY 11801). (Dave Maxfield, MI)

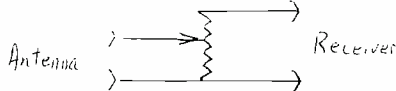
BBC ARTICLE BY SPEEDXER: The January '83 issue of "73 Magazine" has an informative five page article with photographs entitled "International Success Story: The BBC" by our own Roger Peterson of New Canaan, CT. The article includes brief history, services, programs (also including times and frequencies for news and selected popular BBC programs). I recommend this article highly. (Donald Hosmer, MI) (Don, Okay on future shock article. Ed.)

NEW PUBLICATION: The Dec. 3, 1982 "Media Network" informed listeners of a new publication, "RadioTeletype Press Broadcasts," compiled by the Utility Editor of the Benelux DX Club. Information on 56 press agencies is arranged by time order and by agency schedule. Supplements are planned for this non-profit, 88 page folder. Write Media Network for an information sheet. Address: English Section, Radio Nederland, P.O. Box 222, Hilversum, Holland. (Rick Lucas, CA)

INTERNATIONAL PROGRAM GUIDE: Rob Harrington has just announced this new publication. The cost will be \$2.00 US, \$3.75 Canada cash, \$4.25 Canada Check or money order. Outside North America, the cost will be

three US dollars—money order or foreign draft. The Guide will come either direct from the USA or West Germany. Send all orders to Rob Harrington, International Program Guide, P.O. Box 3434, Littleton, CO 80161. (Direct)

FEEDBACK: Regarding Donald Black's suggestion for a step attenuator to be used in front of SWL receivers: A precision 1-dB step attenuator, such as that suggested, is nice for some test and measurement work, but not necessary for listening. A much simpler (to build and to use) variable attenuator is all that's required. It consists of a carbon potentiometer (500 or 100 ohms), two coax connectors and a metal box to mount it all in. And perhaps, a knob. This attenuator



is continuously variable and costs next to nothing. Note that, connected as in the drawing, the receiver sees a fairly constant and rather high impedance. If reversed, the attenuator would present a varying resistance across the receiver input. . . possibly degrading front-end selectivity by swamping the tuned circuit. (Anonymous.)

NEW TRANSMITTER FOR MONTE CARLO: Radio in the small country of Monaco is undergoing a dramatic boost. TWR has just installed a 500 kw shortwave transmitter. The new transmitter will double the signal strength in TWR's target areas. (Info with Permission of the Slavic Gospel Association via Don McCants, AL)

RADIO SHACK RUMOR MILL: This is only hearsay, but my local Radio Shack manager advised me last month that the last remaining non-portable SW receiver marketed by R.S. will be discontinued in early 1983. That is the DX-100 which retails for \$99.95. R.S. will still carry their portables DX-66 and DX-55. (Don Hosmer, MI)

AM AND THE FCC: When was the last time you listened to the AM band? It was a mess, wasn't it. Down here in Florida, the situation is no better. Several Cuban stations can be heard all day, and at night the interference is so bad as to wash out some local stations. This prompted me to contact a local station manager who told me that there was nothing anyone could do at present. But that the FCC has contacted him informing his station would have its power raised and broadcasting hours extended in order to eliminate interference and also QRM various Cuban stations. It looks as though the radio war with Cuba is only beginning. (Dave Sharp, FL)

FINIS: This month marks my ninth anniversary as editor of this column. Have a Happy Valentine and 73's,

CONTRIBUTORS LIST:

FEBRUARY 1983

Edited by Mark Koukol, P.O. Box 321, De Kalb, IL 60115

Hello again; this month there were 137 contributors, but the only direct-to-the-editors mailings that reached me as of 1/18/83 were from Europe, QSLs, and UTs, not counting the CDE list. If Africa, W/H, A/O, and Skeds arrive later, those contributors will receive credit next month.

Contributions including, wholly or in part, credit from last month are marked by an asterisk. Sections other than SWBC/QSLs/UTs/Skeds are credited directly by the membership chairman.

1	ADDISON, Joe	KS	R-600	1	KLASEK, Terry	MO	HQ-180A
1	AKED, Roger	FRANCE	NRD-515	1	KLINGENFUSS, J.	FRG	R7/WRD515
1	ALEXANDER, Brian	PA	R4	1	KONEN, Mark	WI	?
1	ALEXANDER, Rod	IA	SPR-4	5	KRIST, Kraig	VA	FRG-7700
2	BARTO, Sam	CT	?	1	KROLAK, Eugene	MI	FRG-7700
1	BARTSCH, Eric	MN	R-1000	1	KUSALIK, Ed	AB	?
5	BERKHOLTZ, Nick	MN	RF-2800	1	LANGLOIS, Harold	GA	NC-98
2	BERRI, Jason	CA	RF-2900	1	LATKO, Jay	AZ	DX-302
1	BREVILLE, Walt	MO	?	1	LAZARUS, Henry	LA	SX-190
1	CAMPBELL, C.	DE	R-1000	1	LEARY, Robert	OH	FRG-7700
2	CARLSON, Virgil	WA	SX-190	2	LEDFORD, John	NJ	?
1	CHABAK, Mike	AZ	HQ-180	1	LEITE, Steve	MA	HQ-180A
1	CHINSKY, Mark	NY	RF-2600	4	LEONARD, Mike	ME	R-1000
4	CLAYTOR, Dave	MI	R-1000	1	LEWALLYN, Robert	GA	RF-2800
2	CLEVELEY, Russ	NY	DX-160	1	LOBDELL, Chris	MA	FRG-7000
3	COHEN, Larry	PA	RF-4900	4	LORD, Earle	CA	FRG-7700
3	COLEMAN, Bob	MA	FRG-7	2	MCCANTS, Don	AL	RF-2299
1	CONWAY, Peter	UK	51J4	1	MCKEON, Tom	IN	?
1	COUTERMARSH, Jim	VT	DX-300	2	MCKINSTRY, Mike	VA	?
3	CUCURA, Vlad	PA	R-7	1	MCLEOD, Jerry	OR	?
1	CURTIS, Robert	VT	SP-600	4	MANNING, Sandra	NM	FRG-7700
2	DEMMITT, John	PA	Homebrew	1	MAXFIELD, David	MI	?
3	DROLLINGER, Rick	WI	HQ-160	2	MILLER, Bill	CA	DX-300
1	DUCOS, Pierre	FRANCE	?	5	MOORE, Michael	TX	DX-302
2	EVANS, James	TN	RF-2200	2	MORRISON, Lewis	NC	R-600
1	FAMULARO, Ralph	NJ	RF-2800	2	MUNSTER, Ralf	GA	DR-7
1	FISHER, John	RI	GPR-90	2	MUZYKA, William	NY	RF-4900
1	FLICK, Bob	MO	DX-300	1	NEAL, Sam	TX	RB05/75AY
4	FORBES, Lew	TX	FRG-7	1	PAGANO, Frank	DC	Racal
4	FRASER, Robert	MA	XCR-30	4	PALMER, Bob	WA	R-1000
1	GREENBAUER, Dan	AZ	RF-2800	4	PARKS, Bill	FL	HRO-60
4	GRIJALVA, G.	AZ	SPR-4	1	PETERSON, Roger	CT	FRG-7700
4	GRISHIN, Ivan	ON	?	3*	PETTENGILL, Roger	ME	NRG-515
2	GROSVENOR, Norm	CA	FRG-7	1	PHILIP, Joyce	BC	CRF-5100
2*	GUNTER, John	NC	R-1000	4	PIATELLI, Mario	CA	R-70
4	HAHN, Jeff	CA	FRG-7	1	PIMBLETT, Nigel	AB	RF-2200
3	HALBERT, Dan	CA	R-600	4	PRESTON, Bill	CA	R-600
1	HALL, Stuart	CA	DX-300	7*	PROVANCE, Terry	OH	?
3	HARDESTER, Mike	NC	R-1000	1	RADTKE, Carl	CA	SPR-4
1	HARRELL, Rich	IL	RF-2900	1	RANKIN, Robert	KS	DR-7
4	HELLER, Brian	WA	FRG-7700	1	RAY, Richard	PA	FRG-7700
5	HENSLEY, Wayne	TX	RF-2600	1	RAYMOND, Greg	MA	FRG-7000
4	HILL, Elaine	SC	FRG-7700	1	REISENAUER, John	ND	?
2	HOLBROOK, Hank	MD	HQ-129	4	ROBICHAUD, Ivan	NB	R-1000
5	HOSMER, Don	MI	RF-3100	4	RUCKMAN, Robert	OH	?
3	HOTALING, Stan	NV	RF-2800	5	SAUNDERS, Don	NJ	RF-4900
1	HUFFAKER, Carl	MEX	Homebrew	3	SCHLESINGER, M.	TX	FRG-7
1	JOHNSON, Howard	TX	R-1000	1	SCHULSINGER, Mike	OH	FRG-7
1	JOHNSON, Mark	ID	DX-302	1	SHARP, David	FL	HQ-129X
4	JONES, David	VA	5-151-1A	1	SHEPHERD, Greg	IL	DX-300
1	JONES, Jack	MS	R-600	2	SHOROCK, Don	KS	ICP-2001
1	KANON, Lee	NY	FRG-7700	2	SIENICKI, Steve	NJ	DX-200
1	KANOPKA, Leon	NY	DX-300	2	SMITH, Tom	FL	XCR-30
1	KAPINOS, John	MA	FRG-7	1	SMITH, Traver	CA	ICF-2001
1	KERR, Ian	UK	?	4	SPEER, Richard	CA	RF-2900

2	SPRMO, Alfred	NY	RG-7700	2	VAN HORN, Larry	TX	RF-3100
5*	STEPHANY, Nolan	NY	R-392	1	VALDEGA, L.V.	IL	D-302
1	STEWART, David	OH	RKR-1551	1	WALBGA, Gene	OH	X
1	STOCK, Len	CO	RG-7000	1	WELCH, Frank	MA	ICP8800M
1	STONE, Wilfred	NY	RG-7000	6*	WELTHNSTEN, Phil	OH	RF-2900
4	STREETER, Robert	NY	R4B/SX100	1	WIEBOLDT, Bonnie	IL	DX-300
4	SUGAL, Kazuhito	JP	RF-1350	1	WILCZEK, Bob	IL	DX-160
1	TATE, Harold	WV	Sears 412	4	WILKINS, John	CO	R-1000
2	THOMPSON, Glenn	NM	RG-7	4	WILLIAMS, John	CO	IT73010x2
5	THOMPSON, Peggy	CA	RG-7	1	WIMMERS, Bernice	VA	R-1000
3	TIMONREY, Alex	LA	ICR-2001	3	WOOD, Stephen	LA	DX-300
1	TORDOFF, Jack	CA	SX-130	1	YINGLING, Tom	MD	FRG7700
4	UMER, Doug	LA	R-1000	1	ZIMMER, Bob	NM	R-1000
2	VALENTINE, Fred	CA	RF-4800				

Thanks to John Demmitt, Cornelia Campbell, and others for writing to inform me of name corrections in receiver listings. A lot of "??" this month in the receiver columns; those of you who haven't let us know what rig you're using, include it with your next mailing to the columns, I try to list secondary receivers also, but in most cases room will not permit. Also let us know if you've changed states. This is valuable information to have when comparing loggers.

Hope you've been having better luck logging Falklands-270 than I have! A nice directional dipole and some luck with the line noise here would help. Be good to your sweetheart on the 14th, 75.

Mark W0XRKCV/W4FKP

FOR SALE ADS...WANT ADS...ANY KIND OF ADS...NO COLLECT CALLS PLEASE!!!!

FOR SALE: Stock Drake R7, \$750. Trans Oceanic, \$125. Radio Shack 4 ch. pocket scanner VHF-M1 / UHF, \$50. Ronald Pokatloff, 2661 Sheridan Rd., Zion, IL 60099 (312)872-3633.

FOR SALE: Halli-carfers S-388, National NC-60, \$75 each, both are getting rare. Two DX-200's new in box, \$155 each. Bearcat Thin-Scan pocket scanner with antenna, book, 4 x'tals, AC power pack, new ni-cad pack, and AC charger for \$75. M.A.-1 of the above are new or "mint" condition and price includes insured shipping to you via UPS. Garry Bacon, P.O. Box 561, Greenville, NC 27834 or call anytime (919) 752-6722 for details.

FOR SALE: Bearcat 100 handheld programmable scanner, like new, \$245 or best offer. TCOM IC-R70, like new, digital general coverage receiver, \$545 or best offer. MFJ-1020 indoor active antenna, new, never used with AC power supply, \$65 or best offer. Contact Steve Handler, 3330 Old Mill Road, Northbrook, IL 60062 or call (312) 972-4546 daytime or (312) 498-0841 nights and weekends. No collect call please.

FOR SALE OR TRADE: DX-160 receiver, matching outboard speaker, manual, excellent. Make offer or what equipment have you to trade? Bob Palmer, E. 3908 Cleveland, Spokane, WA. 99207 or call (509) 484-1419. NO COLLECTS!

WANTED: Early production run Kenwood R-1000 (preferably early 1980 or before). Contact Victor Barz, Rm. 3305 Cross-Baits II, Ann Arbor, MI 48109. Call (313) 763-2857 between 7 - 9 am and 11 - 12 pm.

AFTER CHRISTMAS SALE: Kenwood R-1000, \$395. Sony ICF9500M, \$90. Sony ICF2001, \$180 (W/converter). R90A W/manual & extra tubes \$150 (needs local gain switch). J.P. Kana, (404) 461-4847. No collect calls please.

FOR SALE: Yaesu FR6700 W/Conations filter, \$460. Matching tuner FRT7700, \$45 or both for \$495. Sony 6500W, \$125. Panasonic RF805, \$150. JVC 6600 s/w portable w/bfo and pitch control, 4 s/w bands and am-fm, \$79. Joseph Coleman, 157 Walton Place, Lansdowne, PA 19050. Call (215) 626-3376.

FOR SALE: I have some WRTX test items that need warm homes, so for your benefit, here are the details: Panasonic RF3100, \$199 + \$5 shipping, essentially new/warranty card. Phillips D2924 portable w/digital readout and memories, \$95 + \$4 shipping, excellent condition. MFJ939 antenna tuner/preamp, \$59 + \$4 shipping, excellent condition. MFJ1040 high-gain preselector, \$69 + \$4 shipping, excellent condition. Larry Magne, Box 428, Penns Park, PA 18943.

FOR SALE: Sony ICF2001 in original carton, 3 months new, \$180 UPS postpaid. Mark Murphy, 700 Himman Road, Lockport, NY 14094. Call (716) 434-2338 after 5pm EST.

FOR SALE: Sony ICF6500, \$115 and JVC RCM70JM (5 shortwave bands, mediumwave and FM stereo tape recorder), \$260, both in mint condition w/manuals and in original cartons. Both UPS insured. Fritz Apollon, M.D., 3412 Englemade Road, Baltimore, MD 21208 or call (301) 653-0212 GMT 0100-0400. No collect calls.

World of SWL'ing

SPEEDX

Will keep you in touch

SPEEDX

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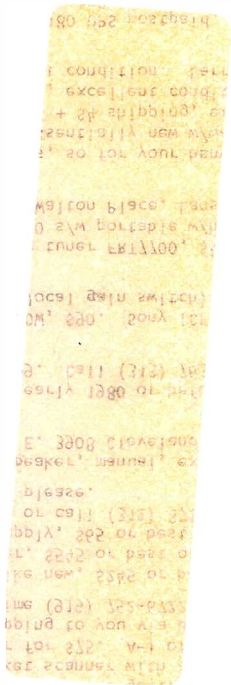
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SPEEDX

the dx radio magazine
for active shortwave listeners



MERRY CHRISTMAS!

DECEMBER 1982

VOL 12 NO 12

'NATIONAL UNION OF RADIO DXERS' SETS OUT NEW 'WELCOME' MAT

Out where "the buffalo roam" there's a new "brand" -- NURDX -- and you can wear it, if you wanna. The National Union of Radio DXers welcomes all SW-DXers and SWLs in the world, according to Pres. Fred Cosell. The "Union" published as offset monthly bulletin offering SW news and logging lists. For a sample copy of "INFORM DX", and general information, write to NURDXERS, c/o Fred Cosell, President, 125 Maple Leaf Blvd., Billings, MT 59247 USA, and enclose an SASE. Fred didn't say what to do if you don't live in the States, but we'd guess you should send an IRC or two. SPEEDX wishes good luck to this new DX club--there's room for all of us.

CALL 'EM TUBES OR VALVES, HERE'S WHERE YOU CAN GET OLD ONES

Yes, some folks actually answer requests for information, among them John Williams of Bloomington, MN. Here are some addresses for those of you who have to fire up early to achieve stability: Steinmetz, 7519 Maplewood, Hamond, IN 46324; Vacuum Tubes, P.O. Box 13271, Tucson, AZ 85732; Cornell, 4213 University, San Diego, CA 92105; Transleteronic Inc., 1365 39th St., Brooklyn, NY 11218; and ETCO Electronics, Plattsburgh, NY 12901. John says that for the "oldies" the best sources are Steinmetz (they'd appreciate a stamp), and Vacuum Tubes (which wants a buck).

CANADIAN SPEEDXERS CAN SAVE ON '83 WRTH, TOO

A note from Don Moman, Exec. Sec. of CIDX, points out that the Club can furnish the World Radio TV Handbook at a reduced price in Canada. In Canadian dollars, it's \$20 via 4th class mail or \$22 via first class. Make checks or money orders out to CIDX, 6815-12 Ave, Edmonton, Alberta, 16K 3J6. For an extra buck, you can get Special Delivery. Be sure your letter is postmarked no later than Dec. 15, 1982. Otherwise, no deal. As stated in the October SPEEDX, US-types (Yankees, that is), should order through Don Erickson, 1059 Essex St., Riverside CA 92504-1599. Write him with an SASE for details -- and do it soon! Say you saw it in SPEEDX!

THREE NEW WYFR TRANSMITTERS READY BY END OF '84

WYFR is building three new 100 KW transmitters on their Florida site, says Rob Harrington, CO. The first is due to hit the air in March of '84, the second in May and the third in July of that year. All three are Continentals with one targeted on NA and the others yet to be decided. WYFR is planning a second service to Eastern Canada, according to Rob's phone chat with the station.

RADIO BRAS AIRS EE TO EUROPE ON NEW FREQ

Radio Nacional Do Brasil is transmitting its English program to Europe at 1800 GMT on 15.435 MHz on an experimental basis. That's the word received by Eric Bartsch, MN. The station would like Reception Reports on these bcsts from those who catch them. How else could they know is their experiment work? You catch 'em, you write 'em. Especially European DXers.

R NEDERLANDS ASKS HELP IN MAKING 'THE EXTRAS LIST'

RN's Media Network wants listeners' reactions to the "add-on" equipment now being marketed. If you have an antenna tuner, pre-selector, Q-multiplier, communications headphones, active antenna, active audio processor, or the like, drop the folks at Hilversum a line asking for an Accessory Questionnaire. They'll combine listener feedback with their own tests to produce The Extras List. When you write them, you might ask for one of their free booklets: 1-Receiver Shopping List, 2-Booklist, 3-Give Your Antenna Some Air, 4-Writing Useful Reception Reports, 5-Latin American DXing, 6-DXing Indonesia, 7-Medium Wave What Now?, 8-This is DXing, 9-Receiver File List, and/or 11-RTTY and VLF. Send your letter to: Media Network, English Section, Radio Nederlands Wereldomroep, P.O. Box 222, 1200 JG Hilversum, Holland. (And our thanks to Gayle Van Horn for the above information.)

ATTENTION, PENNANT BUFFS! HIGH-BID A PENNANT & HELP HAP, TOO!

SPEEDXer Steve Leite has collected so many pennants that he's wound up with 30 duplicates. He's ready to sell them to the highest bidder--and to split the "take" with HAP. He sent us the complete list but this is a bad month for "Keynotes" -- we're down to two pages. We suggest that you write to Steve at 895 Bedford St., Fall River, MA 02723 (enclosing an SASE) and ask him what he has to offer. Of the 30, he lists 23 as "mint condition" and all the rest as "very good". You can call him at (617) 675-2830. But no collect calls, please!

That's all for now *73, Steve*



HAP-USA
ROUTE 4 - BOX 32
ROLLA, MO
65401

HAP-PENINGS

VOLUME X

NUMBER 4

DECEMBER 1982

NEW MEMBERS! For the benefit of those who do not receive the regular HAP-penings, here are the new members since August. We have five to add up to November 1.

Miss Vernelle Smith	HAP-296	Omaha, NE	August 27, 1982
Mary Balcerowski	HAP-297	Hartford, CT	September 16, 1982

Vernelle has been in scanner listening and CB for 14 years. Mary is relatively new to shortwave listening, having been in scanner and SWling for only about a year.

Mrs. Bernice Clark	HAP-298	Reseda, CA	October 23, 1982
Edward Capen	HAP-299	Lynbrook, NY	October 23, 1982
William P. Feaster, Jr.	HAP-300	Carlisle, SC	October 29, 1982

In addition to her recent interest in shortwave listening, Bernice is into CB radio, Toastmasters, traveling and music. Ed Capen has been in SWling for about 2 years. Bill Feaster, also relatively new to shortwave listening (one year) uses a Panasonic with an outdoor 50-foot horizontal antenna. We welcome these new ones into the HAP-USA with pleasure, and hope to be of service to you all.

Some may notice that we have issued HAP number 300. That doesn't mean we have 300 members. Actually, we are somewhere between 225 and 230. I think that two HAPIes died recently, but this can't be verified because the mail is just returned. We also went through the files and re-used some numbers we were certain had either passed away, were in foreign HAP clubs, or had indicated they no longer were interested in shortwave listening. So, the precise number of active HAPIes will never be known. The mailing list gets revised regularly.

HAP-PENINGS ON CASSETTE! The excitement [and extra work] around HAP-USA these days is that the monthly newsletter of the Handicapped Aid Program, the centerfold of the ANARC Newsletter, is now being mailed to all blind HAPIes on cassette each month. About 57% of our membership are blind, so this is a major operation. I didn't make an exact count, but for October, 121 cassettes, and over 110 for November, were sent out. Most of the October cassettes have come back and are ready for the Dec. issue.

The local Sheltered Workshop made up the cardboard cassette mailers for less cost than they could be purchased, and "yours truly" did the recording. A few glitches in the operation appeared, but most of them have been fixed. The big problem is how long the cassette duplicator will hold out! The returnable mailers and the mailing has had another spin-off. We have been able to get address changes for those HAPIes that have moved. The forwarding information put on the mailers by the Postal Service appears attached to the inside flap of the mailer when it is returned to HAP-USA headquarters. Keeping up with HAPIes who move and forget to notify HAP-USA has been a problem.

A considerable number of favorable comments on the new service have been received. Many have responded to the invitation to record their comments or life story on the cassette before they return it. It looks like we may develop a real dialogue between HAP-USA and the HAPIe membership that are blind. I wish the Postal Service would let us do the same for all the HAPIes. However, the rest will continue to receive, gratis, the regular ANARC Newsletter with HAP-penings as the centerfold.

While on the subject of the ANARC Newsletter, it should be mentioned that HAP-USA includes other HAP organizations, worldwide, on its mailing list for the ANARC Newsletter, along with several domestic and foreign broadcasters who help out the HAP-USA cause. Some club mailings are also made. If the recipient pays his own way, or ANARC chooses the courtesy, HAP-USA is not billed. Just an item unknown by many.

I wish this page was twice as long as there are a lot of very nice people out there who have been helping HAP-USA, and they should be recognized and thanked. Maybe next time. Meanwhile, Merry Xmas and have fun! Thanks for the Christmas Tree. Look for your name! Cheerio from HAP-USA, and Al Schwaneke. BCNU.

PROGRAM

DECEMBER 1982

WOODY SEYMOUR, JR.
P. O. BOX 848
SANFORD, NC 27330

PANORAMA

AUSTRALIA...SPECTRUM is now a weekly program on Radio Australia. Dick Speekman has made remarkable progress in convincing the hierarchy of RA that this type of program is both needed and appreciated. Tune in Sun 0612, 0810, 1612, 2112 and Mon 0330 UTC over Radio Australia's regular frequencies.....RA recently moved into its new building at 699 Highbury Road, East Burwood, Victoria. The new facilities are located approximately 15 miles from the center of Melbourne. (Direct, with comments by WS).....VLM9 in Perth on 9640 kHz offers a glimpse into the world of domestic radio, Australian-style. There's good reception on the East Coast between 1000 and 1600 UTC. (WS)



CANADA...Radio Canada International has just published their new program schedule. In a departure from recent schedules, the new one is in the form of a blue booklet. It is available from RCI, P.O. Box 6000, Montreal, Quebec H3C 3A8.....SWL DIGEST with Ian McFarland can be heard to Africa Sat @ 2130 UTC; to Europe Sun @ 1900 UTC; to North America Mon 0100 & 0400 UTC. In each transmission, this program for SWLers and DXers is the final feature. (Thanks to Michael Hamer, MN)

CZECHOSLOVAKIA...(via Don Hosmer, MI)"While Radio Prague's editorial comment concentrates mainly on international problems, the Czechoslovakia scene is covered in a wide range of weekly and bi-weekly features. Their list alone indicates the breadth of this coverage: INTRODUCING CZECHOSLOVAKIA, CZECHOSLOVAK AGRICULTURE, ROUND-ABOUT CZECHOSLOVAKIA, THE ROVING REPORTER, CZECHOSLOVAKIA AT WORK AND LEISURE, SCIENCE AND TECHNOLOGY, CZECHOSLOVAK ECONOMY, HEALTH AND MEDICINE IN CZECHOSLOVAKIA, WOMEN'S CORNER, THE ARTS IN CZECHOSLOVAKIA, YOUTH MAGAZINE...Then there are the popular listener participation features, including MEETING THE PEOPLE (an interview program) and JOIN GEORGE, a weekly pop music show with prizes each week. STAMP CORNER, MAILBAG and DX CHAT are other programs in the listener participation area." Radio Prague broadcasts in English to North America daily at 0100 and 0300 UTC in the 49, 41, 31 & 25 meter bands.

ECUADOR...We failed to mention last month that Clayton Howard has returned as host of the DX PARTY LINE on HCJB. Roger Stubbe, the former host, will continue to provide special features for the program...The alternative program for North America in English is heard daily from 0030 to 0130 UTC on the new 15175 kHz...PERSPECTIVES is a program on astronomy that replaced THE WORLD OF SCIENCE. Tune in at 0345 UTC Wed, Sat 0600 UTC and Sun 0130 UTC...Another new HCJB program is VARIATIONS ON THE THEME, heard several times during the week. (Don McGants, AL)

EGYPT...Radio Cairo broadcasts to Europe in English daily from 2115 to 2245 UTC on 9805 kHz. Each transmission opens with NEWS HEADLINES, ORIENTAL MUSIC and FROM THE EGYPTIAN PRESS. Then you can hear until NEWS at 2130 UTC Mon SPORT REPORT Tue HERE AND THERE Wed QUIZ TIME (Part I) Thu POLITICAL TALK Fri ISLAMIC PAGES Sat POLITICAL ENCYCLOPEDIA Sun CULTURAL TALK; after the NEWS, you can hear the following feature programs, beginning at 2140 UTC: Mon FOCUS, ARABIC SONG, THIS IS ISLAM, SONGS AND MUSIC, TOURISM IN EGYPT, FAVOURITE MELODIES; Tue SPOTLIGHT ON THE MIDDLE EAST, ARABIC SONG, CAIRO MAGAZINE, THE PROPHET SAID, GREATEST HITS; Wed EGYPT AND THE PALESTINE CAUSE, ARABIC SONG, LISTENERS REQUEST, QUIZ TIME (Part II), EGYPTIAN SHORT STORY, MUSIC AROUND THE WORLD; Thu COMMENTARY, ARABIC SONG, DIALOGUE FOR PEACE, EGYPTIAN MUSEUMS, SCIENCE IN EGYPT, A THEME IN SONGS; Fri POINT OF VIEW, ARABIC SONG, LISTENERS CLUB, EGYPTIAN CIVILIZATION, DOWN MEMORY LANE; con't



EGYPT(Con't)...Sat EGYPTIAN PUBLIC OPINION, ARABIC SONG, STAMP COLLECTORS CLUB, MEETING IN CAIRO, IN SEARCH OF EGYPTIAN MUSIC; Sun COMMENTARY, ARABIC SONG, WITH THE LISTENERS, PHARAONIC TREASURES IN WORLD MUSEUMS, ALBUM REVIEW. Each transmission ends with NEWS HEADLINES at 2241 and ORIENTAL MUSIC at 2243 UTC. (Chris Stark, NB)

KUWAIT...Radio Kuwait has two English transmissions daily. The Evening Transmission is heard from 1800 to 2100 UTC on 11675 kHz. After the transmission opens, music is heard until the 1830 NEWS---SONGS & MUSIC is on Sun, Mon, Tue, Fri; THE YOUNG SOUND, Sat; IN THE LATIN MOOD, Wed; POP SCENE, Thu. At 1845, SONGS & MUSIC can be heard except Sun & Wed, when SPORTS ROUNDUP is scheduled. 1900 UTC: Sat KUWAIT IN A WEEK; Sun SONGS & MUSIC; Mon FACTS ABOUT ZIONISM; Tue THE HOLY PROPHECY; Wed ARAB CULTURE IN A WEEK; Thu UNDERSTANDING THE QURAN; Fri THE FRIDAY REQUEST (to 2000 UTC). 1915 UTC: Sat THE AFRO-AMERICAN BEAT; Sun IN THE FRENCH MOOD; Mon MAGAZINE SPECIAL; Tue DISCO SMASHERS; Wed MUSICAL BIOGRAPHIES; Thu SOUNDS OF THE '80s; Fri THE FRIDAY REQUEST continues. 1945 UTC: ISLAMIC THEOLOGY daily except Fri, when THE FRIDAY REQUEST continues. 2000 UTC: Sat STRICTLY ROMANTIC; Sun POP SESSION SPECIAL (until 2100); Mon PELL MELL (until 2100); Tue MUSIC WITH A THEME; Wed SOUNDS UNLIMITED; Thu THE WAY YOU LIKE IT; Fri THE MAKING OF ISLAM & DAILY SERIAL. 2030 UTC: Sat LISTENERS DIGEST; Sun POP SESSION SPECIAL continues; Mon PELL MELL continues; Tue NIGHT FLIGHT; Wed THAT'S ENTERTAINMENT; Thu MUSICAL ENCYCLOPEDIA; Fri JAZZ SPECTRUM. At 2100 UTC, the station closes down. (Chris Stark, NB)

NETHERLANDS...On Radio Nederland's HAPPY STATION show of October 10, Tom Meyer said that starting in 1983 HEY LISTEN will be on monthly. He also said that he will answer listener questions on this program if they are of Dutch nature. (Kraig W. Krist, VA)

NORWAY...Radio Norway broadcasts in English on Sun only, at the following hours UTC: 1000, 1300, 1400, 1600, 1700, 1900, 2000, 2300; also Mon 0000, 0400, 0500. The new schedule has information on the new 500 kW transmitters now in use. Write to Radio Norway International in Oslo to receive your free copy of this colorful pamphlet.

POLAND...Radio Polonia broadcasts three one-hour programs RADIO POLONIA in English and Polish to North America daily: at 1130 UTC, on 17865, 11840 and 9525; at 0200 and 0300 UTC on 15120, 11815, 9525, 6135 and 6095 kHz. The broadcasts include such regular features as news bulletins, commentaries and reports on the developments in Poland as they occur, on Poland's stance on international matters, cultural programs, mail bag sessions, Polish on the Air lessons and programs for DXers. (Thanks to Loren J. Thompson, IL)

UNITED KINGDOM...On December 19, 1932 at 0930 GMT, the BBC Empire Service, forerunner of today's World Service, went on the air for the first time. This month, the BBCWS presents a series of special programs to mark its 50th anniversary. VOICES OUT OF THE AIR is a two part look at the history of the BBC's External Services. Tune in on the 12th & 19th @ 1830, the 13th & 20th @ 1345 and the 17th & 24th at 0230 UTC.....50 NOT OUT is a behind the scenes look at Bush House with Gordon Clyde on the 24th @ 1645 & 2315, on the 25th @ 1245 and on the 28th @ 0545 UTC.....OUTLOOK JUBILEE EDITION takes listeners on a rare guided tour of Bush House on the 17th @ 1515 & 1900, on the 18th @ 0115 UTC.....Special Christmas programming includes: FESTIVAL OF NINE LESSONS AND CAROLS from King's College, Cambridge on the 24th @ 1502, 25th @ 0030, 0935 UTC.....THE QUEEN'S CHRISTMAS BROADCAST can be heard on Christmas Day at 0930, 1500 and 2245 UTC....SING A SONG OF CHRISTMAS is a program of music from around the world by Melanie Harrold on the 25th @ 0530, 0915 and 1745 UTC... WISE MEN FROM THE EAST features Pauline Webb as she talks with three wise men she met during a recent journey to Tokyo, Hong Kong and Taiwan. They share their thoughts on what the coming of Jesus means from those living in contemporary Asia. Listen on the 24th @ 2209, repeated 25th @ 0315, 0715, 1645 UTC. (London Calling, December 1982)

HAVE A GOOD HOLIDAY SEASON...SEE YOU IN 1983! ws WOODY 11/19/82



TECHNICAL TOPICS

Editor

SANDY BLAIZE

AVC	?	SSB
AGC		LSB
GAIN		FADE
TUNER		NOISE
IMAGE		Smeter

Send Technical Questions & Technical Material To: ➔

E. V. "SANDY" BLAIZE
417 RIDGEWOOD DRIVE
METAIRIE LA 70001

SINCLAIR ZX-81/TIMEX-SINCLAIR 1000 CW receiving interface modules, kits or bare boards and software now available from: C. Nunnery, 313 Vaughn St., Ft. Walton Beach, FL., 32548. Module simply plugs into the back of your Sinclair. Hookup receiver audio to the module via a 1/8" miniature phone plug and you are in business. (After you load the program of course!!) The "reader" program gives half a screen full of copy then SCROLLs upwards as the bottom line fills up. The software is very easily modified with three POKE steps for the newer 2K RAM machines so that you get a whole screen full of copy before it begins to scroll. Write to address above for prices and additional information.

Whilst on the subject of Sinclairs, hardware (interface/UART module) and software are being developed at present for the ZX-81/TS-1000. Prices and availability to be announced as soon as development and prototypes are fully tested and proven. Watch this column for further details.

NEW RECEIVER information constantly appearing in the monthly bulletin of The International DXers Club of San Diego, 1826 Cypress St., San Diego, CA. 92154. Write to Larry and enclose \$1 for a sample bulletin. Try it you might like it!!

SPEEDXer Leon Kanopka, Jr. came up with an interesting modification for the Panasonic RF-085 receiver. Leon adds a vernier dial to the tuning shaft to reduce the drive ratio to 8:1. (A great help if you are not so slight of hand!!!) Leon says the modification is fairly simple and parts cost only \$5 or so. For more details drop him a line at: 139-37 254th St., Rosedale, NY 11422. (Please send an S.A.S.E. with your request!)

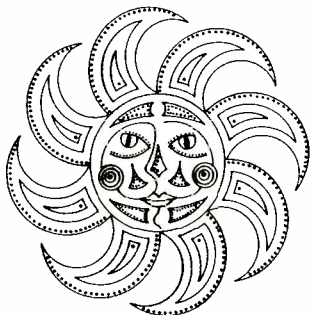
DX-300- DX302 RADIO SHACK RECEIVERS: Several readers have written in requesting improvement modifications for the DX-300/302 series. If you own one of these and have discovered a cure for some problem, or have a pet change to "soup up" the set, please send it in. We will try and have a "digest" of this information one issue next year. If you have, in fact, information on ANY receiver, send the info in. "Review" type articles should be sent to Tips and Topics via Art Getzel (address in Art's section!)

LETTERS and information scanty this month. I must apologise for the missing column last month. This could not be avoided due to the work schedule, out of town trips etc. This does happen from time to time and I try and keep "missing columns" down to a minimum!!! Why does the Editor of Technical Topics wait so late to send in the column you ask? For LACK of INPUT!! As I have repeated in the past, your input is valuable!! You may not see in print what your letter was about, but it may spark another idea lying dormant in your editor's "memory banks". We sincerely request YOUR letters and ideas. Now, if you require a personal answer to your question, PLEASE send either an S.A.S.E. OR two 20¢ stamps. Overseas readers please NO IRC's. Send enough stamps from your country to cover Airmail post for 1 ounce overseas. (I collect stamps. This will be cheaper for you and we can avoid paying the Postal Union their "cut"!!)

UTILITIES Editor Mike Chabak is looking for an assistant Editor to take over for a few months, so he can complete work on the new SPEEDX "SRUG" (Utility Guide) If you are interested in UTE DXing and can type PLEASE contact Mike.

 MERRY CHRISTMAS AND HAPPY NEW YEAR TO ALL!! It has been a hectic year here! Pray there will be a Christmas next year, with all the anti-Christian actions going on around the world and this country. Until 1983...73 and DX!!

Sandy - WSTVW - 7



SPEEDX Western Hemisphere

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ALL DAY WEEKENDS

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/ DECEMBER 1982 /

I HOPE EVERYONE WILL TAKE NOTE THAT MY MAILING ADDRESS HAS CHANGED. Because of my conviction that the U.S.P.S. has forgotten about the Bronx, I have taken a Post Office Box in Manhattan. My hope is that the mail will get to me a day or so faster than it does here in the Bronx. My residence address has not changed.

RALF MUNSTER of GA has some tips on how to recognize the Montserrat DW Relay station, and differentiate it from the Antigua station, since they both ID as "Caribbean Relay Station." (1) Montserrat always comes in weaker than Antigua (which is at this time on 6040), generally by about 30 dB, (2) its ID is not given by the same engineer as the one at Antigua; whereas the Antigua engineer has a distinctly Germanic accent, the one from Montserrat has something of a French accent, (3) they play their frequency announcement tapes out of phase. Very interesting, Ralf.

I WOULD LIKE TO WELCOME ALL NEW REPORTERS to this column, but especially SPEEDXer Bill Sparks of California, who sends in very useful information to other clubs, and now to SPEEDX. I do hope that all new reporters, and especially Bill, get in the habit of reporting to SPEEDX monthly.

JUST A TIP FOR ANYONE WHO IS PLANNING TO PURCHASE any Sony radio -- do yourself a favor and buy the AC adapter with it. The Radio Shack "universal" adapter, for example, was the one I purchased, trying to save a few bucks. (I was buying on the "gray" market). The RS adapter put a hideous hum on the AM bands of the ICF-2001. I then had to shell out some more for the "real" Sony adapter. For those who don't want to pay list price (and therefore buy from such outlets as '47th Street Photo' in New York), remember that you'll pay twice if you don't buy the adapter for that particular radio. By the way, the universal truth of Murphy's Law of Retailing was proven in my case. I bought a 2001 for \$165.00; two months later, the price is about \$154.00 and dropping. What is Murphy's Law of Retailing, you ask? "No matter how long or hard you shop for an item, after you've bought it, it will be on sale somewhere cheaper." Oh well.

I suppose I should begin the column proper, so, remembering that all loggings without a language designation were reported as being heard in Spanish (or in Portuguese if the logging was of a Brazilian station), I present...

-----!-----

/ ARGENTINA / SOUTH AMERICA /

- 5882 2357 R. Rivadavia, lots of ads, pips on hour (over an ad), 0004 nx w/ OM ancr, are they SW outlet of 630 kHz Argentine? (No, probably just SW feeder to xmtr. ch) (344; 10/4. Wilczek, IL)
- 6060 0450 Radio Nacional, LAM mx, no clear ID heard on this; (544; 11/3. Johnson, ID)
- 6160 1000 R. Malargüe, opening ID by YL, weak but clear cover string mx, several other mentions of Malargüe during opening anmt, then into string mx, but soon lost signal due to noise and QRM from a modulated CW station on the same fqy. Not enough copy for a report; noted again on 11/1 @1000 s/on; opening ID by YL easy to read but signal dropped down into the slop very soon (10/31; Sparks, CA)
- 6179 0745 R. Nacional Mendoza, LAM pops, w/ OM ID @0745/0803. Heavily hetted at times (343; 10/18. Schlesinger, TX)
- 9690 0102 RAE, EE, "Our Malvinas" px (A Puerto Rican comic had the perfect solution to the British/Argentine war: "To end the war, we should give the Malvinas to the Argentines, and, of course, we can then award the Falklands to Britain." ch)(443; 10/14. Famularo, CA)(0430; 433; 9/14. Hahn, CA)
- 11710 0104 RAE, EE, YL nx, classical mx, ID; px about gauchos (I've heard of him. Wasn't he Chico's brother? ch)(333; 11/3. Ray, PA)

B O L I V I A

- 4696t 0225 R. Riberalta, mostly ballads, hosted by OM w/ no IDs noted, same QSB (fr/pr; 10/12. Parks, FL)
- 4711 0215 R. Abaroa, campesino mx hosted by OM DJ w/ lots of chatter, ID @0235, back here from 4730; (gd; 11/1. Parks, FL)
- 4729t 1025 R. Abaroa, occasionally sneaking in w/ OM tlc, local mx, QRned by every electric appliance in the world (no it wasn't! My heating pad was off. ch)(241;10/19. Schlesinger, TX)
- 4945 0051 R. Illimani, mx and history, ID and into nx @0057; Colosal off @0400 check; (443; 10/21. Huffaker, MEXICO)
- 5974 1005 R. Nacional Cochabamba, finally decent copy on 10/20 @1005 s/on w/ guitarra mx; opening ID by man, then SS balada w/ guitar. Another ID and long ad string @1025 including Inca Cola (Sparks, CA)
- 6025 0113 R. Illimani, Segments of a speech, interrupted by applause, //4945 was poor; (333;??; Moman, AB)

B R A Z I L

- 2490 0022 R. Educ. Rural, EZL instrumental mx, into tlc px w/ YL past 0030; weak, but not much QRM (Was there an ID? ch)(242; 10/17. Schlesinger, TX) Wilczek, IL)
- 3205 2319 R. Ribeirão Preto, OM/YL tlc w/ occasional mx, QRM from SSB tlc, (222; 10/5./
- 3225 0919 Lina Radio Clube, OM DJing Brasopops, amid much thunderstorm QRM, and incredible fading (442; 10/7. Schlesinger, TX)
- 3235 0043 R. Clube de Marília, usual Brazilian pops w/ lots of DJ chatter, ments of Marillis between records. Clear fqy but some T-storm QRM (fr; 10/24. Parks, FL)
- 3375 0928 R. Nacional São Gabriel, on 10/30 with a program of pop ballads by small group w/ long chatty conversations between YL/OM between each selection. Full ID @1000, nice clear signal, excellent copy (Sparks, CA)
- 4805 0921 R. dif. do Amazonas, 0921 ID/fqys, 0922-43 religious px w/ OM, followed by pop tunes (333; 10/25. Wilkins, CO)(0931; 243; 10/15. Schlesinger, TX)
- 4815 0225 R. Nacional de Tabatinga, U.S. EZL and Brazilian pops hosted by YL, ID by OM @0302, Guatapuri off air; (gd; 10/12. Parks, FL)(1004; Brazilian mx which sounded a bit like PP C+M), ID: "R. Nacional de Tabatinga, onda nacional 670 kHz, onda tropical 4815 kHz, um emisor Radiobrás," 444; 10/15. Huffaker, MEXICO) Ray, PA)
- 4855 2326 R. Por Um Mundo Melhor, Brazilian mx, anmts by OM, ID @2331; (343; 10/20. /
- 4885 0815 R. Clube do Pará, Brazilian mx, block of ads and ID @0830, TC 0835; (343; 10/15. Huffaker, MEXICO)
- 4895 0248 R. Baré, OM/YL tlc (many mentions of Brazil), over instrumental mx, 0255 guitar/vocal, 0259 OM w/ long string of radio IDs, (323; 10/31. Thompson, CA)
- 4925 0846 R. Dragão do Mar, occasional Brasopops tucked in among the ads, fading away : by 0900; (242; 10/7. Schlesinger, TX)
- 4955 0902 R. Marajoara, apparent s/on w/ ID @0903, OM tlc and ad string @0908 (342; 10/17. Schlesinger, TX)
- 5045 0235 R. Cultura do Pará, mainly soul mx w/ one PP ballad; (432; 10/24. Huffaker, MEXICO)(0740; 342; 10/19. Schlesinger, TX)
- 6065 2225 R. Nacional de Brasília, "A Voz do Brasil" px, ID by OM @2230, R. Super absent; (gd; 10/12. Parks, FL)
- 6085 2300 R. Jornal do Comercio, OM quoting from "Newsweek" magazine, reports from DC, Nicaragua, and Buenos Aires; musical tone between reports (ID?? ch)(322; 10/31. Cereghin, MD)
- 9695 1030 R. Rio Mar, noticias, trumpet fanfare and into ID, Brazilian pops, OM/YL w/ apparent educational px (fr; 10/25. Parks, FL)
- 15190 1610 R. Inconfidência, soccer game w/ sound effects at every goal, ID/TC @1615 (342; 10/3. Ulmer, LA)
- 15225 1800 R. Bras, EE, wx, mx, nx, (211; 9/18. Hahn, CA)
- 15290 0226 R. Nacional de Brasília, EE, mx px, featuring Brazilian compositions from 18th and 19th Centuries (444; 11/3. Johnson, ID)(0200; 454; 11/2. Klasek, MO) (0201; // 17830 better (344); 333; 10/14. Duncan, NC) Harrell, IL)
- 17830 0207 R. Nacional de Brasília, EE, mx (322; 10/22. Sanderson, AZ)(0200; 444; 10/24./
- 17880 2032 R. Nacional de Brasília, 2 OMs w/ live sx cast, to 2056, laser gun blast and R. Bras ID (343; 11/3. Thompson, CA)

C H I L E

- 6080 *0930 R. Patagonia Chilena, ID, theme tune, vocals, R. Nacional nx @0939 (242; 10/27. Jones, MS)(1102; heavy QRM from Sutatenza on 6075; 332; 10/7. Schlesinger, TX)
- 9550 0030 R. Nacional de Chile, TC, SS songs, mentions Chile often (353; 10/15. Robtchaud, NB)
- 15150 2230 R. Nacional de Chile, soccer game, Universidad Catolica was winning, ads for paint, Nescafé, chocolate, other products (QSB, 333; 10/23. Grosvenor, CA)

C O L O M B I A

- 4785 0818 Ecos del Combeima, native pops, largely uninterrupted; ID @0832 (Only intermittently reported lately. ch)(232; 10/18. Schlesinger, TX)
- 4815 0150 R. Guatapuri, call-in quiz or lottery, much excited talk, sound effects (454; 11/5. Cilster, NC)

/ C O L O M B I A / -- (continued)

- 4865t 0150 LV del Cinaruco, blocks of 3 LAm vocals, brief talks by enthusiastic OM.
Hard to catch a completely clear ID (252; 10/24. Gilster, NC)
- 4875 0747 R. Super de Medellín, usual mx, very clear signal (434; 10/30. Halbert, CA)
(0725; 443; 10/3. Hesch, NY)(0328; 454; 11/1. Jones, MS)
- 4875 1006 LV del Norte, ID, calls, fqys, terrible mix w/ R. Super (422; 11/6. Jones, MS)
- 4855 2323 R. Neiva, pretty good for this early in the evening, w/ many anmcts to local
mx @2330 (343; 10/13. Schlesinger, TX)
- 4945 0845 R. Colosal, ID, EZL mx (354; 10/23. Forsman, CA)
- 4965 0610 R. Santa Fé, LAm mx, OM does voice-over yelling "Santa Fé!" during mx. Long
ID/TC @0616 (444; 10/2. Dröllinger, WI)
- 5040 0437 R. Cinco, LAm ballads, IDs (Cinco & CARACOL); (343; 10/26. Huffaker, MEXICO)
(0056; fr/gd; 10/12. Parks, FL)
- 5075 0131 R. Sutatenza, local instrumental mx by OM, ads, "Mundo Noticias," full ID
@0158 (353; 10/26. Gilster, NC)(1130; 443; 10/18. Schlesinger, TX)
- 5095 1020 R. Sutatenza, OM w/ Buenos Dias px, nx, ads, (454; 11/6. Marin, FL)
- 5955 1002 LV de los Centauros, OM w/ LAm mx, ID, fqys (454; 11/6. Marin, FL)(1010;
433; 10/15. Wilkins, CO)(0300; fr; 10/17. Parks, FL)
- 6035 *1018 R. Transamazónica, finally logged with a clear signal 10/22 w/ anthem,
opening ID, "R. Transamazónica, HJWA," then folklorico mx, w/ many TCs and ID
after each selection (Sparks, CA)
- 11793 1900 Radiodifusión Nacional de Colombia, classical mx, largely uninterrupted;
always worthwhile, but I wish they'd verify (433; 10/17. Schlesinger, TX)
- 15333 0258 Radiodifusión Nacional de Colombia, ID by YL, songs, OM: "Desde Bogotá,
transmite R.Nacional de Colombia..." into mx by Bartok; (353; 10/23. Jones, MS)

/ E C U A D O R /

- 2340t 0245 R. Bahaf, too weak for ID, constant LAm/Ecuadorian mx, short OM anmcs @0300,
ads, back to mx (222; 10/1. Cereghin, MD)(Hmmm... more monitoring needed. ch)
- 3279.8 0958 LV del Napo, tropical-style mx; 1001 s/on anmcs and ID, "R. Voz del Napo,"
think I heard "good morning" in EE, even, at 1003! Into mx @1006 followed by
Hail Mary's (10/17. Walcutt, NY)(0043; 343; 11/1. Huffaker, MEXICO)
- 3285 1025 LV del Rio Tarquí, many IDs, TCs, pop mx, some w/ Ecuadorian sound (333;
10/24. Jones, MS)
- 3325 0932 Ondas Quevedenas, Andino pops w/ OM (in that part of the world, the term
"Top 40" is certainly no understatement.)(332; 10/12. Schlesinger, TX)(0906; 423;
10/12. Jones, MS)
- 3394.7 1015 R. Zaracay, s/on w/ jingle, mx, anmcs, mx from old Superman show on TV
(just before where they say "Look, up in the sky!") "Transmite desde Santo Domingo
de los Colorados, república del Ecuador," into Andean flutes (10/17. Walcutt, NY)
- 4656 0410 CRE, nice guitar mx, full ID and fqys by OM, NA interrupted by abrupt s/off
(353; 10/16. Gilster, NC)
- 4795 0110 LV de los Caras, personal messages and TCs until 0200, ads, tropical mx
nonstop to 0224 ID (433; 10/24. Huffaker, MEXICO)
- 4820 *0857 R. Paz y Bien, s/on, ID, NA, sked, then nx, cmt, personal greetings (322;
10/21. Murff, NM)(0903; 444; 10/22. Huffaker, MEXICO)
- 4850 1039 R. Luz y Vida, OM ancr, string of ads, full ID, into religious px, perhaps
morning Mass (333; 10/20. Murff, NM)
- 4870 0429 R. Rio Amazonas, LAm mx, dedications, ID @0453: "Informa otra vez de Rio
Amazonas en Macuma, Ecuador, ...que esta dedicado, enviado por su útil con el parte
de su compadre que dice muchas gracias por sintonía y gracias por la nueva oportu-
nidad. Rio Amazonas transmitiendo en la frecuencia de 4870 kHz, 60 metros, onda
corta," religious tlk, s/off anmt, NA, 0504* (444; 10/16. Huffaker, MEXICO)
- 4910 0455 Emisora Gran Colombia, ID @0457, then into long musical segments, (433; 10/1.
Dröllinger, WI)(0420; 353; 10/26. Cucura, PA)(4911, 0419; RCN net plug; 453;
11/9. Jones, MS) Gilster, NC)
- 4920 0451 R. Quito, bizarre vocals, ID (443; 10/14. Ulmer, LA)(0441; 343; 10/16. /
- 4960 0032 R. Federación, mass to 0056, ID @0059, mx (444; 10/24. Huffaker, MEXICO)
(1123; 232; 10/12. Schlesinger, TX)
- 5015 0135 Escuelas Radiofónicas Populares, RTTY/HET QRM, mx, partial IDs about every
5-10 mins (222; 11/8. Cereghin, MD)
- 5050 1100 R. Jesús del Gran Poder, nx, ID @1105: "Emisora Jesús del Gran Poder, 660
kcs onda media, 5050 kcs onda corta, banda internacional de 60 metros. " (444;
10/22. Huffaker, MEXICO)(1010; 454; 10/30. Ray, PA)
- 6095 0530 HCJB, EE, Passport px, yogurt popsicles (Ugh. ch), storybook fables of SAM
Indian tribes' moral principles (ZZZZzzzz. ch)(444, 11/4. Preston, CA)(0631;
544; 10/17. Shamblin, CA)
- 9745 0544 HCJB, EE, mx, ID, talk on new px, (444; 10/25. Ward, NE)(0232; 333; 10/22.
Sanderson, AZ)(Hosmer, MI)(Taylor, MO)(Preston, CA)
- 11910 0631 HCJB, EE, DXPL, American International Shortwave Club, defunct before it
started; explanation of K- and A-indices (433; 10/24. Halbert, CA)
- 11960 0345 HCJB, EZL mx, (555; 11/3. Johnson, ID)

WILL CONTINUE ECUADOR ON NEXT PAGE. I TURNED 30, SO YOU MAY NO LONGER TRUST ME (HI!).

ECUADOR -- (continued)

- 15115 1450 HCJB, EE, mx, brief cmt, "Morning Song," (444; 10/16. Duncan, NC)(0230; 232; 10/26. Taylor, MO)(0230; 544; 10/24. Hill, SC)(Harrell, IL)(Sienicki, NJ)(Blake, IN)(G. Van Horne, TX)
- 15155 0035 HCJB, EE, //17890 (233); Way To Life px (333; 10/14. Duncan, NC)(0230; DXPL; 444; 10/10. Krist, VA)
- 15180 0030 HCJB, EE, Dr. Magee's Bible Study, (434; 10/14. Duncan, NC) Fraser, MA
- 17890 1402 HCJB, EE, OM nx, ID, hymn, religious tlk (353; 10/15. Ray, PA)(1250; 454; 10/8
- 21477 2130 HCJB, EE, ID, DXPL w/ Clayton Howard, (353; 10/9. Hesch, NY)(*2130; 444; 10/11 Krist, VA)
- 26020 1550 HCJB, futbol game, OM ancr mentioned Ecuador, no ID heard (222; 11/3. Sable, NY)(1430; 353; 11/1. Muzyka, NY)(1507; 151; 10/15. Robichaud, NB)

FRENCH GUIANA -- FR3

- 3385 0036 Classical mx, followed by rock mx (usual French eclecticism), in FF, 0100 jingle, Cayenne nx, Marseillaise, usual zither melody (10/21. Walcutt, NY)(0143; FF version of "Ode to Billy Joe," YL ID @0203, NA, IS, 0205*; 342; 10/18; Ray, PA)

GUYANA -- GBC

- 5950 0733 EE, request mx, 0745, GBC, Inspirational Time, 0800 into "Early Bird Px," (343; 10/26. D'Angelo, PA)(0215; fr; 10/17. Parks, FL)(0804; 322; 10/26. Hotaling, NV)(0907; 333; 10/14. Olson, MD)(0815; 343; 11/5. Schulsinger, OH)

PARAGUAY

- 5976 1010 R. Guaira, SS/Guarani, OM w/ religious talk, then into ZP mx w/ IDs/TCS between selections, partial formal ID @1026: "ZPA6, Villarrica," by OM (gd/fr; 10/13. Parks, FL)(Has been heard in Europe, but not to my knowledge in NAM. See 5974 Bolivia, R. Cochabamba for alternative. ch)
- 11915 0013 R. Nacional de Paraguay, soccer, Chilean team from Santiago vs. one from Paraguay. Ads noted, many mentions of Paraguay; there's a very strong jamming xmtr on this fqy, and Paraguay is only audible when geomagnetic disturbances destroy the Far North path to Europe (where the jammer is)(422; 11/11. Palmer, WA)(1056; 433; 10/19. Jones, MS)(1000; 333; 10/9. Hosmer, MI)(0039; 444; 10/15. Robichaud, NB)(1015; 332; 10/23. Ray, PA)

PERU

- 4790 0400 R. Atlantida, catchy folk mx w/ shouting, ID @0402, then MOR mx (222; 10/14. Halbert, CA)(0351; 232; 10/14. Gilster, NC)
- 4810 0415 R. San Martín, relatively soft LAM mx, ID @0428 in ad block (343; 10/26. Huffaker, MEXICO)(1040; 222; 10/21. Murff, NM)
- 4825 1029 LV de la Selva, OM ancr w/ string of ads, full ID 1035, into mx (432; 10/21. Murff, NM)(*1000; 222; 10/18. Wilkins, CO)(0048; 333; 10/20. Huffaker, MEXICO)
- 4935 1039 R. Tropical, ads, vocals, 1048 ad string w/ 16 consecutive ads, including Pepsi, Ray-o-vac; fading by 1103 (333; 10/15. Wilkins, CO)(0035; gd; 1/11. Parks, FL)(1047; nothing but ads for Tarapoto businesses; 444; 10/22. Huffaker, MEXICO)
- 4996 0459 R. Andina, px of tropical mx, live final anmt and ID, s/off w/ 3 minutes of OA NA (443; 10/19. Huffaker, MEXICO) Huffaker, MEXICO)
- 5025 0154 R. Quillabamba, mx, 5-min. block of ads and amnts @0156, ID @0159 (343; 10/26
- 5030 *0725 R. Los Andes, NA, wake-up tape with roosters and trumpets (That'd be a good book title... and now C. Hansen, the author of the best-selling Roosters and Trumpets. ch), ID: "Desde Huamachuco, capital de la provincia de Sanchez Carrin, (? it's not even the capital of La Libertad, the department it's in, unless we're talking about the Peruvian equivalent of a county. ch), transmits R. Los Andes en (sic) OAZ2A, 5030 kHz, banda internacional de 60 metros, en amplitud modulada." R. Continente still not on @ 0900. (444; 10/15. Huffaker, MEXICO)(*0738; 333; 10/10. Wilkins, CO)
- 5040 0243 R. Libertad de Junín, several IDs, tlk (343; 10/14. L. Van Horn, TX)
- 5045 0406 R. Rioja, lively mx, anmts for festival 1 of November, no ID but addressed listeners as "amigos de Rioja." (432; 10/24. Huffaker, MEXICO)
- 6060 1028 R. JSV, for the first time, heard coming in over Argentina on 10/30. Nice folklorico flute solos, huaynos, etc. w/ lots of TCS but no ID that I was able to read, still bad het, wiped out by Havana @1050 (Sparks, CA)(*0959; opening ID "JSV" over mx, fqy, into OA mx; 333; 10/27. Jones, MS)(1028; OAR3L (??); fr; 10/7. Parks, FL)
- 6095 1107 R. Nacional, non-stop huaynos after ID by OM @1107 as "RN de Peru," good signal but het (fr; 10/15. Parks, FL)
- 6115 0423 R. Unión, boxing match between Peruvian and Panamanian boxers -- ads for typewriters, wines, etc. Peruvian Sr. Estrada won on points (333; 10/16. Grosvenor,
- 6189 *1056 R. Oriente, NA, theme from "The Sting," (433; 10/14. Jones, MS) // CA)
- 6195 0950 R. Cuzco, 10/16 w/ huaynos, ID, Happy Birthday @1000, heavy QRM and sovr wiped out by BBC (Sparks, CA)(0933; fr; 10/16. Parks, FL) Jones, MS)
- 6296 1103 R. Chota, probable sign/on, OM singing Peruvian NA, tlk, poor (242; 10/24. /
- 6727 0234 R. Satelite, LAM pops, RTTY, het QRM (222; 10/10. Cereghin, MD)
- 9486 1032 R. Tacna, ads, ID, Peruvian mx (353; 10/23. Jones, MS)

SURINAM

- 4850 0328 SRS, EE pop oldies like Earth Angel, I Get High With A Little Help From My Friends, etc. w/ occasional ancr in presumed Dutch. No IDs, finally mention of Paramaribo @0427; tuning back past at 0434, sounded like NA, then cut carrier. (443; 10/15. Burke, VA)(0200; 432; 10/15. Ulmer, LA)(0105; 344; 10/12. Wilczek, IL)(0245; ID as Surinam Radio Foundation, gd; 10/16. Parks, FL)(*0852; OC for at least ½ hour before instr. mx. @0852, short choral anthem @0856, foI'd by ID, t1k, pop mx; 454; 10/18. Jones, MS)(0135; 544; 10/18. Murff, NM)(0445; 454; 10/24. Ray, PA)
- 5005 0527 R. Apintie, Dutch/SS/EE, U.S./LAM pop mx, multi-lingual ID, t1k 0530, then more mx (322; 10/28. Murff, NM)(0210; gd; 10/14. Parks, FL)(0433; 333; 10/14. L. Van Horn, TX)

VENEZUELA

- 3256 *0958 LV de El Tigre, choral anthem; another anthem; ID, calls, fqys (242; 10/21. Jones, MS)(1014; 343; 10/7. Schlesinger, TX)
- 3275 0954 R. Mara, NA, local anthem, harp ID (10/17. Walcutt, NY)(*0958; Paraiso Musical; 332; 10/14. Wilkins, CO)(0138; 342; 10/9. Schlesinger, TX)(0201; 343; 11/5. Gilster, NC)
- 4770 0200 R. Mundial Bolivar, OM ancr, fgy, TCs, IDs (444; 10/18. Murff, NM)(0332; 453; 11/6. Moore, TX)(0030; 343; 10/13. Barrett, PA)(0300; 444; 10/14. L. Van Horn, TX) (Burke, VA)(Gilster, NC)(Huffaker, MEXICO)
- 4780 0140 LV de Carabobo, talk by OM, ID, into LAm vocals (353; 10/15. D'Angelo, PA) (2336; 252; 10/8. Gilster, NC)
- 4800 0300 R. Lara, LAm mx, OM DJ (423; 10/20. Hosmer, MI)(0050; 333; 11/7. Yost, MI) (0226; 333; 10/17. Gilster, NC)
- 4830 0321 R. Tachira, mx, IDs, TCs, usual ID now "R. Tachira Popular," evidently a new image (433; 10/17. Huffaker, MEXICO)
- 4840 0340 R. Valera, long OM vocals, ID jingle by YL, chorus. Apparent NA by choral group (232; 10/16. Gilster, NC)
- 4900 2339 R. Juventud, nice jazz recorded before live audience, (454; 10/25. Gilster, NC)(0210; 555; 10/14. L. VanHorn, TX)(1245; 243; 10/17. Schlesinger, TX)(0122; 444; 10/8. Wilczek, IL)(*0952; 444; 10/15. Wilkins, CO)
- 4907 *0958 R. Carora, NA, long opening anmt by OM which included "YVMU onda larga," but no mention of "onda corta" that I could catch, then into px of popular LAm style vocals; first time heard in years (Sparks, CA; 10/18)(0335; 0359*; 342; 10/11. Huffaker, MEXICO)(*1011; Aquí Venezuela px; 443; 10/14. Jones, MS)(2320; gd; 10/8. Parks, FL)(1020; 342; 10/12. Schlesinger, TX)(1013; "R. Carora, YVMU, y YVNI, 1140 y 4910 kHz," s/on varies from 0958-1010; 333; 10/14. Wilkins, CO) (0227; 433; 10/18. Murff, NM) NC
- 4930 0216 R. Tachira, jazzy vocal followed by standard LAm mx, (323; 10/17. Gilster, /
- 4970 *0031 R. Rumbos, OC w/ occasional mx tests @0014, ID and regular px @0031 (444; 11/1. Huffaker, MEXICO)(2334; 343; 10/7. Gilster, NC)(0419; 555; 11/6. G. Van Horn, TX)(0415; 434; 10/11. Lord, CA)(0936; 433; 11/5. English, TX)(0434; 333; 10/3. Kerrigan, IL)(Halbert, CA)(Drollinger, WI)(Earhart, PA)(Shamblin, CA)
- 4980 0223 Ecos del Torbes, station ID, light mx, TCs, instrumentals (555; 10/14. L. Van Horn, TX)(0130; 433; 11/1. Klasek, MO)
- 4990 0240 R. Barquisimeto, longhair instrumentals, (434; 11/8. Schulsinger, OH)
- 5030 0405 R. Continente, mx, OM ancr (353; 10/31. Earhart, PA)(0442; 343; 10/1. Drollinger, WI)(Halbert, CA)(Shamblin, CA)(L. VanHorn, TX)(Preston, CA)
- 5040 0346 R. Maturín, ID after Rumbos mx, many ads, one for G.E. (343; 11/4. Jones, MS)
- 6180 0908 R. Turismo, ID, fqys, "Lo Mejor en Radio," sure this is right after s/on (444; 10/18. Jones, MS)(0915; 433; 10/12. Schlesinger, TX)
- 9660 1104 R. Rumbos, 2 OMs w/ LAm mx, and constant 2-tone chimes (444; 11/2. Yost, MI)

NORTH AND CENTRAL AMERICAANTIGUA

- 6040 0140 DW, EE, OM w/ GG language lesson (545; 10/17. Shamblin, CA)
- 6100 *0200 DW, ID @ s/on, mx, t1k, "Tipperary" in GG, (323; 10/31. Pfeiffer, NY)
- 6175 2200 BEC, EE, From Our Own Correspondent, (444; 10/9. Krist, VA)(0230; 232; 10/16. Demmitt, PA)(0600; 545; 10/17. Shamblin, CA)(0444; 454; 11/3. Johnson, ID)
- 9545 0521 DW, EE, OM talking about the Nile (545; 10/17. Shamblin, CA)

BELIZE -- R. Belize

- 3285 0226 EE, rock/soul mx followed by speech by the Belizean Ambassador to the UN. Best reception ever w/ new 128-ft. dipole 300 ft. high (10/16. Walcutt, NY) (0430; 222; 10/24. Fisher, MA)(0307; 232; 10/17. Gilster, NC)(0408; 333; 10/26. Cucura, PA)(0408; 342; 10/26. Burke, VA)(0418; 323; 10/29. Wormwood, NY)(0157; 232; 10/2. Kerrigan, IL)

CANADA

- 5960 *2200 RCI, EE/FF, "Sunday from Canada" px, "The House," (555; 10/24. Krist, VA) (0300; 444; 10/18. Sienicki, NJ)(0115; 444; 10/10. Addison, KS)(0000; 555; 10/16. Demmitt, PA)(0006; 444; 10/4. Taylor, MO)(2345; 555; 10/5. Fraser, MA)(2320; 555; 10/19. Thompson, PA)(*0300; 544; 10/17. Shamblin, CA)

CANADA -- (continued)

- 6005 2012 CFCX, Montréal, EE, U.S. pops, ads, World Series game #5 (333; 10/17. Krist, VA)(1000; heavy het; 10/23. Sparks, CA)(1210; 333; 10/16. Ray, PA)(1749;444;10/24. Leonard, ME)(0810; 222; 10/16. Wilkins, CO)(2340;554;10/5.Fraser, MA)
- 6030 1225 CFVP, Calgary, EE, wx report, pop mx, ID as CFGN, (251; 10/16. Ray, PA)(1210; 233; 10/14. Famularo, CA)(1200; pr; 10/21. Parks, FL)(0825; wiped out by R. Japan s/on @0840; 242; 10/10. Wilkins, CO)
- 6045 0620 RCL, EE, world/local nx (434; 10/7. Lord, CA)(0616; 444; 10/28. Halbert,CA)
- 6065 1200 CBCNQSWS, EE, NS bc of CBC nx, sx, wx, (353; 10/17. D'Angelo, PA)
- 6070 2053 CFRX, Toronto, EE, ads, soccer results, winning lottery number (What was it? hi. ch)(444; 10/16. Krist, VA)(0837; cmts on leaf-burning;333;10/16. Wilkins, CO)
- 6080 0940 CKFX, Vancouver, nice clear signal on 10/17 w/ DJ chatter, TC for Pacific Daylight Time after each musical selection (Sparks, CA)
- 6120 0000 BBC, EE, world nx, Radio Newsreel; (444; 10/20. Krist, VA)(2155; 444; 10/3. Kerrigan, IL)(0207; 444; 10/14. Lindley, AL) Hesch, NY)
- 6130 1813 CHNX, Halifax, EE, OM ancr, info re: Lottery, pop/country mx, TC, (454; 10/7
- 6140 0600 RCL, EE/FF, OM, morning nx to Europe/Middle East/Africa, (354; 11/4. Preston, 6195 2330 CBCNQSWS, EE, report on LAm mx becoming popular in Canada, (454; /// CA) 10/23. Krist, VA)
- 9535 0300 RCL, EE, OM w/ s/on, schedule (545; 10/18. Shamblin, CA)
- 9675 1430 CBCNQSWS, EE, Royal Canadian Air Farce, (444; 10/16. Sienicki, NJ)
- 9755 0008 RCL, EE, OM w/ nx, px on acid rain (444; 10/14. Duncan, NC)+6
- 11720 1430 CBCNQSWS, EE, Royal Canadian Air Farce (444; 10/30. Sienicki, NJ)(1357; 544; 10/8. Leonard, ME)
- 11845 0313 RCL, EE, game wardens and problems of same; (333; 10/31. Earhart, PA)
- 15150 *2129 RCL, EE, nx, SWLD, (444; 10/16. Krist, VA)(2128; 544; 10/13. Odom, FL)
- 15325 *1644 RCL, EE, to Europe, item on by-elections (555; 10/11. Krist, VA)(2130; 544; 10/23. Harrell, IL)(2130; 444; 10/23. Sienicki, NJ)
- 17820 2145 RCL, EE, African service, report and talk w/ Robert Mugabe, 2157* (444; 10/26 Grijalva, AZ)(1800; 333; 9/12. Hahn, CA)(1300; 454; 10/17. James, NC)(*2129; 454; 10/23. Krist, VA)
- 17875 *2129 RCL, EE, nx, SWLD, (555; 10/9. Krist, VA)(1942;544;10/17. Hill, SC)
- 21695 1940 RCL, EE, SWLD (555; 10/10. Hosmer, MI)(*2000; 555; 10/21. Krist, VA)

COSTA RICA

- 4832 0433 R. Relej, LAm vocals, huge signal, (444; 10/16. Gilster, NC)(1059; 454; 11/4. Yost, MI)(0416; 353; 10/23. Forsman, CA)(0805; on 4835, 433; 10/19. Schlesinger, TX)(0739; "Esta es una señal del espacio, y esta una señal para el mundo, R. Relej, Número Uno en Costa Rica, gracias a Uds."; 433; 10/15. Wilkins,CO)(0448; 433; 10/14. Ulmer, LA)
- 5055 0655 Faro del Caribe, TIFC, religious tlk (434; 10/30. Halbert, CA)(0315; 322; 10/20. Hosmer, MI)(0348; 333; 10/29. Wormwood, NY, 0355*)(0334; 443; 10/17. Famularo, CA)
- 6006 0757 R. Relej, mx, TC, ID (454; 10/3. Hesch, NY)(0558;323;10/10.Lord, CA)
- 6074 1003 R. Rumbo, ID, call TICAL, greetings to listeners, down from usual 6076 (343; 10/24. Jones, MS)(1050; 343; 10/10. Ray, PA)

CUBA

- 11725 0343 RHC, EE, mx, interview with a visitor to Cuba from Africa (333; 10/14. / Earhart, PA)
- 11760 0405 RHC, EE, pop-type mx w/ YL ancr; (444; 10/17. Earhart, PA)(0437; 444; 10/25. Ward, NE)(0325; 444; 0330 into EE, 10/20. Hosmer, MI)(2330; 444; 10/30.Addison,KS) (1730; stamp px; 444; 10/17. Barrett, PA)(0500;434;10/17. Lord, CA)
- 11930 0200 RHC, EE, nx, IDs, Cuban History px; (434; 10/5. Wertepny, MB)
- 11950 1850 RHC, EE, speeches by Castro (454; 10/14. Odom, FL) Krist, VA)
- 15175 2040 RHC, EE, Cuban mx, contest (444; 10/17. Sienicki, NJ)(2028; 555; 10/14. /
- 15230 0235 RHC, EE, tlk by YL, Cuban mx (443; 11/3. Johnson, ID)(2300; 10/10. Lindley, AL)(1930; 555; 10/14. Odom, FL)

DOMINICAN REPUBLIC -- R. Clarin

- 11700 2245 LAm pop mx, 2251 RClarin ID, into LV del CID px, (444; 10/23. D'Angelo, PA) (1038; CID; IDs as "Musica Libre," 333; 10/25. Hosmer, MI)(2317; CID; Se Llama Jose Martí; 453; 11/6. Moore, TX)(1705; 555; 10/13. G.VanHorn, TX)(2208; RC; 444; 10/6. Yost, MI)(2156; CID; 433; 10/15. Robichaud, NB)(0028; RC; 444; 10/15. Ulmer, LA)

GRENADEA -- R. Free Grenada

- 15045 2225 EE, Rivera hotel ad, Festival of Arts ad, steel drum mx (333; 11/2. Sable, NY)(2216; 343; 11/8. Shamblin, CA)(2142; 333; Ad for Sunday Banana Corner; 10/2. Kerrigan, IL)

GUATEMALA

- 3360 0114 LV de Nahuala, fqys, sort-of-Guatemalan ranchera song w/ sing-song melody (10/21. Walcutt, NY)
- 3370 0124 R. Tezulutan, love theme marimbas! Plenty of same, plus talk by OM, many IDs (353; 10/28. Gilster, NC)(0040; gd; 10/5. Parks, FL)(0030; //4835; 322; 10/17. Murff, NM)(0045; 242; 10/24. Cucura, PA)

GUATEMALA / -- (continued)

- 3380.2 0015 R. Chortis, 0015 marimbas, nasal Yucatan SS, "R. Chortis transmite para Ud." by YL, fqys and bands @0030 (10/21. Walcutt, NY)(0220, 0225*; 342; 10/18. Ray, PA)
4835 0150 R. Tezulután, ID & t1k (433; 10/15. Ulmer, LA)(1145;443;10/14.Wilkins,CO) (0115; 0208*; 444; 10/13. G. Van Horn, TX)
9760 1906 R. Nacional de Guatemala, marimba mx, mucho echo amnts, loads better than //6180 (443; 10/17. Schlesinger, TX)

HAITI / -- R. Station 4VEH

- 11835 1212 EE, end of Guidelines px, ID: The Evangelistic Voice of Haiti, R. Sta. 4VEH, Cap Haitien. (353; 10/23. D'Angelo, PA)(2256; 225; 10/13. G. Van Horn, TX)

HONDURAS

- 4781 1130 R. Juticalpa, ID, TC, greetings to listeners (including any in Costa Rica), ranchera mx (454; 11/6. Jones, MS)
4820 0313 HRVC, LV Evangelica, 2 long talks by OM, then slow vocals w/ ID @0406 (242; 10/13. Gilster, NC)(0303; Hour of Decision w/ guest sermon instead of Billy Graham; 342; 10/18. Burke, VA)(0440; 0459*; 444; 10/12. Ray, PA)(0329; 333; 11/8. Schulsinger, OH)(0312; 222; 11/1. Pfeffer, NY)(0345; 333; 10/4. Kerrigan, IL) (0409; 433; 10/18. Shamblin, CA)
6000 0145 Eco de Honduras, HRP1, U.S. pops, doorbells at amnts, IDed as "R. Variedades, 1180 kHz, Tegucigalpa, and El Eco de Honduras, San Pedro Sula, 6000 kHz." RV is main station and R. Eco is relay. (fr/pr; 10/22. Parks, FL)(0403; "De Tegucigalpa, Honduras, Variedades Radial, 1160 kHz onda media, en la palacio ... (El Eco de Honduras) en San Pedro Sula, 6000 kHz, banda de 49 metros, onda corta. Cadena Zeta, Zeta, Zeta, la nueva comunicación a nivel nacional," 333; 11/5. Huffaker, MEXICO)(0328; ID as above; 0358*; 10/22. Sparks, CA)

MEXICO

- 2390 0040 R. Huayacocotla, horrible QRN, OM t1k w/ light mx, brief mx, then local mx (222; 11/7. Cereghin, MD)
6045 0150 R. Universidad San Luis Potosí, classical mx concert, ID by OM @0205, 3-tone IS and ID, very nice signal (fr; 10/17. Parks, FL)
6105 Su Pantera Juvenil, XEQM, XEMQ IDs, nice romantic vocals w/ guitar, heavy het (Sparks, CA)(1125; 353; 10/15. Ray, PA)(0011; 433; 10/12. Schlesinger, TX)(1103; "Estas son Sus Panteras, XEMQ y XEQM, 1240 y 6105 kcs, en Merida, Yucatán, México." 343; 10/9. Wilkins, CO)
6115 0040 R. Universidad de Sonora, piano concerto, ID by OM followed by light concert mx. Excellent signal (10/31. Sparks, CA)
6155 1250 XEWX, // 9515, several people w/ conversation, OM singing romantic balada before live audience (presumably a tape recording) since it was heard @1250 on 10/10 (Sparks, CA)(Burning the midnight oil, I guess. ch)
6165 0825 LV de la América Latina, OM w/ mx, very short "plays," many IDs, address, (322; 10/26. Hotaling, NV)

NETHERLANDS ANTILLES

- 6165 0602 RN, EE, OM w/ Shortwave Feedback, (555; 10/17. Shamblin, CA)(0240; 444; 10/31 Earhart, PA)(0250; 544; 10/16. Demmitt, PA)(0255; 333; 11/2. Gallagher, MA) (0620; 444; 10/8. Lord, CA)(0313; 444; 11/4. Cuppy, IN)
9575 0250 RN, EE, ID, Shortwave Feedback (545; 10/24. Zo11a, CA)
9590 0236 RN, EE, world nx (333; 10/22. Sanderson, AZ)(0315; 444; 10/17. Sienicki, NJ) (0230; 444; 10/29. Taylor, MD)
9715 0604 RN, EE, OM w/ the Friday Report; (544; 10/16. Shamblin, CA)
9755 0400 TWR, EE, Family Bible Hour (555; 10/13. Muzyka, NY)(0500; 444; 10/4. Taylor, MD) (0555; 444; 10/25. Ward, NE)(0607; 545; 10/16. Shamblin, CA)
9770 0737 RN, EE, Happy Station, (444; 10/10. Krist, VA)
11815 1130 TWR, EE, mx, Spanish elections, (544; 10/27. Harrell, IL)
17695 *2008 RN, EE, nxlne, Media Network, (454; 10/21. Krist, VA)

JUST FOR YOUR INFORMATION -- A person sent in a logging this month for a new "Brazilian" station, "R. Trans Mundial." Trans Mundial means "Trans World" in both SS and PP. It's quite easy to mistake this for a Brazilian or other LAM station, so be aware of the translation of "Radio Trans Mundial."

NICARAGUA

- 5955 0435 LV de Nicaragua, several ID, (222; 11/3. Greenwald, WY)(0500; 333; 11/4. Preston, CA)(0115; EE, tuning across heard YL ancr say "This is the Voice of Nicaragua." A newscast followed by 0119 (OM/YL). Back into SS @0120; 333; 11/11. Palmer, WA)(0305; 433; 10/9. Ulmer, LA)(0520; 434; 10/17. Mountain, BC)
6120 *1100 R. Zinica, NA, opening ID by OM/YL, followed by long opening amnt by OM w/ several ments. of R. Zinica, (10/16. Sparks, CA)(1140; slight co-channel QRM; 434; 10/19. Schlesinger, TX)

UNITED STATES OF AMERICA

- 5985 0637 VOFC via WYFR, EE, OM/YL w/ "Learn to Speak Chinese" (545; 10/16. Shamblin, CA)(0327; 554; 11/3. Johnson, ID)(0300;555;10/16.Demmitt,PA)

UNITED STATES OF AMERICA / -- (continued)

- 5995 0554 VOA, EE, talking about Election day (444; 10/16. Leonard, ME)(0427; 544; 10/9. Leonard, ME)
- 6030 0337 AFRTS, EE, cmt by Dan Rather about media coverage of the UN (as usual he was all wet)(553; 10/19. Johnson, ID)(0030; 555; 10/16. Demmitt, PA)(0417; 522; 10/29. Leonard, ME)(1021; 555; 10/21. Murphy, NY)(0137;544;10/17.Shamblin,CA)
- 6065 0446 WYFR, "When the Roll is Called Up Yonder," (554; 11/3. Johnson, ID)
- 6110 0545 WRNO, EE, classic rock mx, no ancr until OM ID @0602 (444; 10/16. Halbert,CA)
- 6125 0726 VOA, EE, brief summary of the news, then s/off (433; 10/10. Leonard, ME)
- 6130 0200 VOA, EE, Music on my Mind -- the Christmas Song (555; 10/16. Demmitt, PA)+1
- 6155 0240 WRNO, EE, info on ordering free catalog of radios and antennas, an ad from EEB in Vienna, VA; (534; 10/15. Dunca, NC)+3
- 9505 0300 BBC, EE, ID, world nx, etc. (544; 10/18. Hosmer, MI)
- 9515 2330 WRNO, EE, GH's "World of Radio," (444; 10/17. Krist, VA)(2345; ID as "WRNO FM 100," fed from parent stn w/ full simulcast. Welcome change. FM DJ acknowledged worldwide service; local ads; 554; 11/4. Yost, MI)+6
- 9535 2200 WYFR, EE, s/on, mx, "Open Forum" px (333; 10/25. Taylor, MO)
- 9640 0015 VOA, EE, ID, mx; (444; 10/17. Addison, KS)
- 9690 1400 WRNO, EE, ID, s/off (222; 9/26. Picarelli, CA)
- 9700 1615 AFRTS, EE, NBC nx, into CBS nx, fading some (443; 10/10. Schlesinger, TX)
- 9715 0035 WYFR, EE, mx, Insight @0042 (333; 10/7; Taylor, MO)
- 9760 2000 VOA, Special EE; "Words and their Story," (444; 10/17. Krist, VA)
- 11740 0210 VOFC via WYFR, EE, cmt, on how the Mainland Chinese have lied to President Reagan (433; 10/13. Sienicki, NJ)(Just goes to show you, the Chinese are good politicians, too! ch)(0236; into CC @0300; 444; 10/25. Harrell, IL)+1
- 11750 0204 BBC, EE, "Way of All Flesh," (242; 11/1. Pfeffer, NY)
- 11790 0000 AFRTS, EE, network nx: AP; (544; 10/14. Duncan, NC)
- 11830 0030 UN Radio, OM ID, nx, cmt, (444; 10/8. Addison, KS)
- 11830 1400 WYFR, EE, "Family Bible Reading," (555; 10/25. Wieboldt, FL)
- 11845 0102 WYFR, EE, religious tlk mx, into SS @0150 (444; 10/17. Earhart, PA)
- 11885 2134 WRNO, EE, Tylenol warning ads, (444; 10/3. Kerrigan, IL)(2330; 444; 11/7. Craig, OH)
- 11965 2330 WRNO, EE, "World of Radio," (433; 10/3. Krist, VA)(2307; 433; 9/15. mx: "You're the Biggest Part of Me," Robichaud, NB)(I wouldn't touch that line with the proverbial 10-foot-pole. ch)(+1)
- 15120 1900 UNRadio, EE, nx (555; 10/13. Blake, IN)(1835;454;10/27.Grijalva, AZ)
- 15125 *0645 UNRadio, FF, OM w/ s/on, (534; 10/16. Shamblin, CA)
- 15145 0126 WINB, EE, end of "Bible Hour" (232; 10/15. D'Angelo, CA)
- 15205 0130 VOA, EE, OM ID, cmt on stroke (444; 10/10. Addison, KS)
- 15245 1945 WRNO, EE, "Abacrab" by Genesis, then "Eyes in the Sky" (323; 10/14. Odom,FL)
- 15330 1418 AFRTS, EE, Sheridan BC Network, then mx, (533; 10/27. Leonard, ME)(1715; Veterans Day, Brezhnev's death; 555; 11/11. Card, RI)
- 15345 1700 AFRTS, EE, nx, various AFRTS ads (555; 11/11. Card, RI)
- 15420 1807 WRNO, EE, Tylenol warnings (444; 10/14. Robichaud, NB)+2
- 17820 2200 VOA, EE, nx in Special English, Bkfst. Show, (353; 10/9. Krist, VA)
- 21490 2143 VOA, EE, px about vampires (444; 10/15. Odom, FL)
- 21545 1450 WYFR, EE, mailbag px, station ID (444; 10/3. Picarelli, CA)
- 21615 1800 WYFR, EE, Sound of the New Life, (444; 10/24. Krist, VA)
- 21840 1900 VOA, EE, Item on Israeli troubles at the UN, (454; 10/16. Krist, VA)(2140; 454; 10/23. Provanca, OH)
- 25615 2312 AFRTS, EE, Howard "The Motor Mouth" Cosell's SX Report (454; 10/25. Krist,VA)
- 26000 1819 VOA, EE, dissertation on Franklin (444; 10/24. Leonard, ME)+1
- 26040 1900 VOA, EE, Nightline Africa px (353; 10/10. Krist, VA)+1

C L A N D E S T I N E

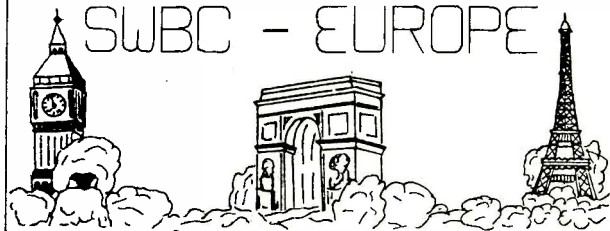
- 6884 0232 R. Venceremos, long anthem, ID, slogans by OM/YL (444; 10/27. Jones, MS)
- 6834 0328 R. Venceremos, RV chased by USB mx-jammer around 6834,37,38 (322; 10/18. Lucas, CA)
- 7412 0110 LV del CID, full ID @0110 by OM including names of individual stations, (233; 10/13. Wilczek, IL)

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Well, thanks to all this month's contributors -- we hope to see you again next month, next year, really, I suppose. Another year come and gone. By the by, thanks to all those who sympathized with my mail troubles. I am glad to report that we are tracking down the perpetrator and should have some resolution by the time the next column is compiled. However, again, be on the alert, and don't believe any report you might be hearing that is attributed to me unless you saw it in SPEEDX or FRENEX. We have a person on the hook for Projects Coordinator, and I hope to put him to work starting this month, if all the pieces fall into place. But, remember, if you think you can do something for SPEEDX, please, write John Trautschold, or myself, or Larry Talbot and we'll think of something that you can do to help bring out SPEEDX. So, Merry Christmas, Happy New Year, &c. See you in 1983!!!

43's Chris Allen Blackie

SWBC - EUROPE



EDITOR

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

Christmas is a coming! You already knew that, but its the first thing that entered my mind when I sat down here to start this column. This is the night of the 16th and I usually have a finished column now ready to mail on the 17th. So therefore I will have to do this one in a hurry. Albania.....

A L B A N I A R.Tirana

- 7065 *0000 RT: EE-YL w/ID, nx pgm, & cmtry.(444 10/15 Krist-VA)(Harrell-IL)
7120 0144 RT: EE-YL w/talk about a botanical garden.(433 10/20 Ray-PA)
(Forsman-CA)(Sanderson-AZ)
7300 0348 RT: EE-wld nx pgm, CW QRM.(545 10/10 Wilson-NY)(Ulmer-LA)
9750 0130 RT: EE-2 YLs discussing Socialism.(?? 10/7 Hecht-PA)
11985 0715 RT: EE-talk on anniversary of national independence.(433 11/5 Forrester-SC)

A U S T R I A Oesterrescher Rundfunk

- 5945 0330 ORF: SS-OM w/Austrian mx pgm and yodels.(322 10/30 Bartsch-MN)
(Hotaling-NV)(Smith-FL)
9770 0153 ORF: EE-OM w/cmtry on economic trade.(434 10/14 Mountain-BC)
(Smith-FL)(Krist-VA)
11665 2315 ORF: GG-YL & OM w/talks.(544 10/21 Murphy-NY)(Ulmer-LA)
12015 0225 ORF: GG-pgm of Austrian folk mx.(454 10/2 Klasek-MO)(Miller-CA)(Preston-CA) It's nice to have you reporting again Terry...
15185 1830 ORF: EE-Nx and reports on students and mountain patrols.(333 10/15 Ledford-NJ)
15560 *1806 ORF: EE-"Austrian SW Panarama" w/report by Glenn Hauser.(353 10/17 Krist-VA) Speaking of Glenn Hauser we have'nt from you in some months now Glenn. You used to be a regular reporter to this column. I would love to hear from you again...tml....
21525 1230 ORF: EE-talk on Life in the U.N. forces in Syria.(444 10/16 Fraser-MA) (Krist-VA)(D'Angelo-PA)

B E L G I U M Belgische Radio en Televisie

- 71695 0105 BRT: EE-DX pgm w/listeners letters.(454 10/13 Van Horn-TX)
(Miller-CA)(Moore-TX)(Krist-VA)(Greenwald-WY)(Lord-CA)(Mountain-BC)(Klasek-MO)(Taylor-MO)
17585 1923 BRT: EE-talk on trade unions, ID.(555 10/28 Smith-FL)
17595 2200 BRT: EE-"Brussels Calling" w/songs.(444 10/16 Krist-VA)
21525 1415 BRT: EE-Brussels Calling w/nx, & mx.(343 10/21 Smith-FL)
21460 1500 ORU: FF-YL w/ID, freqs, pop mx.(454 10/9 Hesch-NY)

B U L G A R I A R.Sofia

- 6135 0529 RS: ??-ID & ?? 11750 lang unknown.(322 10/28 Halbert-CA)
7115 0425 RS: EE-MX, ID, history pgm.(353 11/6 Moore-TX)
7670 0440 1 Horizont: Mx pgm, YL w/ID, OM w/talks.(354 10/10 Provance-OH)
9560 0200 RS: SS-IS, ID, mx pgm.(443 10/31 Munster-GA)
9700 0045 RS: EE-DX pgm, talk on plants in Bulgaria.(433 10/4 Picarelli-CA)(Preston-CA)(Cucura-PA)(Barrett-PA)(Fraser-MA)(Thompson-CA)
11735 2113 RS: EE-Folk & pop mx, YL w/ID.(333 10/31 Cucura-PA)
11750 0400 RS: EE-Nx pgm of Bulgaria.(444 10/17 Earhart-PA)(Greenwald-WY)
11860 0400 RS: EE-wld nx pgm, listeners letters.(545 10/11 Clevely-NY)
15110 0044 RS: EE-DX pgm, OM w/"World of Science".(343 10/7 Welch-MA)
17865 1939 RS: FF-Nx on Poland.(433 10/6 Robichaud-NB)

C Z E C H O S L O V A K I A R.Prague

- 5950 0120 RP: EE-OM w/pgm of folk mx.(444 10/14 Coleman-MA)
7345 0325 RP: EE-Mx pgm, ID, talk on voting.(433 10/25 Leonard-ME)(Smith-FL)(Muxyka-NY)(Barrett-PA)(Ulmer-LA)(Robichaud-NB)(Stone-ONT)(Hill-SC)
9630 0136 RP: EE-Interview w/bank director.(311 Robichaud-NB)
9740 0100 RP: EE-Nx pgm, cmtry.(444 10/17 Fraser-MA)

D E N M A R K R.Denmark

11825 0158 RD: DN-IS, EE ID "Here is RD Bcsting from Copenhagen to Greenland and the Pacific Ocean.(433 10/13 Wilkins-CO)

F I N L A N D R.Finland

9560 1115 RF: SS-OM w/nx pgm, ID, & IS.(good 10/8 Parks-FL)
15400 1500 RF: EE-OM w/nx pgm, OM & YL reads listeners letters.(354 10/19 Wieboldt-FL)(Ulmer-LA)(Krist-VA)
21475 1508 RF: EE-Interview with a game warden, folk mx, & nx.(434 10/8 Muzyka-NY)(English-TX)(Krist-VA)(Olson-MD)(Harrell-IL)(Cucura-PA)(Fraser-MA)
25950 1400 RF: EE-the Northern Report, weather report & talk on the Northern Lights.(252 10/27 Zilmer-NM)

F R A N C E R.France Intl

6140 0030 RFI: SS-Nx on Press Review, mx.(444 10/20 Wilkins-CO)
7135 2012 RFI: FF-Rock mx pgm, OM w/anncs.(453 10/4 Welch-MA)
9650 2205 RFI: FF-Lottery results. Its interesting to get the winning numbers of France's lottery.(443 Robichaud-NB)
9790 2200 RFI: FF-Pgm to Latin Amer.(343 10/29 Zilmer-NM)
11995 2200 RFI: FF-New service to Latin Amer.(343 10/25 Zilmer-NM)(Wilkins
15300 *1600 RFI: EE-"Paris Calling Africa" w/nx, & sports.(454 10/11 Krist-VA)
15315 1640 RFI: EE-2 OMs w/birthday wishes to listeners.(433 10/3 Coleman -MA)
17620 1610 RFI: EE-PCA w/nx, and features on Afr.(333 10/19 Hosmer-MI) (Ray-PA)(Zilmer-NM)(Addison-KS)
17625 1600 RFI: EE-PCA w/nx, reports, & mx.(454 10/23 Fraser-MA)
17785 1515 RFI: FF-IS, ID, nx items.(444 10/15 Robichaud-NB)
17845 1940 RFI: FF-Pop mx pgm, ID.(334 10/17 Miller-CA)
21580 1616 RFI: EE-PCA w/mx, ID, & nx.(111 10/3 Greenwald-WY)
21595 1450 RFI: FF-Drama, chit chats ect.(555 10/15 Robichaud-NB)

G E R M A N D E M O C R A T I C R E P U B L I C R.Berlin Intl

7260 2140 RBI: FF-The Listeners Letterbox w/talks on holidays and a contest.(454 9/15 Robichaud-NB)
9560 0330 RBI: EE-OM w/s/on for the N.Amer ser, YL w/rundown on pgms, & nx.(434 10/31 Thompson-CA)(Hotaling-NV)(Krist-VA)
11890 0714 RBI: EE/GG-OM w/EE pgm, IS then YL starts GG pgm.(322 11/29 Hotaling-NV)
11975 0015 RBI: EE-Nx pgm, cmtry on economic independence.(433 10/10 Krist-VA)9(Shamblin-CA)
15240 1323 RBI: EE-Talk on a ski lodge, address, mailbag pgm.(433 10/3 Grijalva-AZ)(Krist-VA)
21465 *1515 RBI: EE-NX, ID, cmtry on disarmament.(333 10/24 Krist-VA)
21515 1832 RBI: EE-YL w/ID, address, political talk.(423 10/11 Famularo-CA)(Ulmer-LA)(Krist-VA)(Smith-FL)

G E R M A N F E D E R A L R E P U B L I C Deutsche Welle

6125 0115 DW: EE-Talk on the Aswan dam and its effect on the Nile.(222 10/16 James-NC)(Stone-ONT) I'm sorry I missed that one, that is my favorite kind of pgm.tml.....
6030 2240 Sudeuster Rundfunk: GG-OM w/rock & pop mx, ID.(fair 10/12 Parks-FL)
6085 0148 DW: EE-Address, ID, into GG.(554 10/15 Robichaud-NB)
6145 0115 DW: EE-Cmtry on France's decision to build neutron weopon.(333 10/16 Demmitt-PA)(wilkins-CO)(Krist-VA)
9375 0237 DW: EE-German lessons.(233 Smith-FL)
11815 ???? RFE: Modern rock mx, nx.(Whoever you are you have left out the time, the SIO, the date, and your name. Don't feel bad about it though, I've done the same thing before..... tml....
17705 1953 DW: EE-Mx pgm, Sports Roundup, and Window on the World.(454 10/21 Krist-VA)(Zilmer-NM)
21745 ???? RFE: BG-pgm of US soul mx.(343 10/2 Ulmer-LA)
21560 1510 DW: GG-ID, talk on the economy.(354 10/14 Ulmer-LA)
21500 1945 DW: OM w/ID, nx, cmtry, & mx.(444 10/9 Addison-KS)
21600 2030 DW: GG-OM w/ID, mx, & cmtry.(444 10/29 Addison-KS)
21720 1636 RFE: CZ-OM/YL w/press review, & ID.(444 10/13 Ulmer-LA)
25690 1748 RL: RR-talk on vodka exports.(444 10/13 Ulmer-LA)

Not enough room for Greece here. 7 logs have been discarded so far because I could'nt read the freq. I once said the ID was the most important peice of info in a logging and I still believe it. The freq is just about as important. To insure that your loggings appear please make them as legible as possible.
tml.....

G R E E C E Voice of Greece
 9865 0135 VOG: EE-Nx pgm, and talk on presidents meetings.(444 11/4
 Burke-VA)(Robichaud-NB)(Hill-SC)
 11645 0105 VOG: GK-Mx pgm, QRM from Kol Yisreal.(444 10/7 Welch-MA)(Zilmer
 -NM)(Smith-FL)(Burke-VA)
 11805 0418 VOA: AR-Vocal mx in ? lang. This is VOA to the Mid East.(444
 10/17 Earhart-PA)
 15020 1918 R.Macedonia: GK-Mx pgm, ID, nx,(353 10/16 D'Angelo-PA)
 15050 1931 RM: GK-Local instru mx pgm.(333 10/10 Cereghin-MD)(D'Angelo-PA
 (Robichaud-NB)(Hill-SC) Note that VOG is also heard on this
 freq at times. ...tml
 17555 1830 VOG: GK/EE-Mx pgm by YL , ID, nx pgm.(322 10/8 Carlson-WA)

H U N G A R Y Radio Budapest
 9570 0200 RB: EE-NX, ID, cmtry on our embargo of the Soviet pipeline.(343
 Smith-FL)
 9585 0208 RB: EE-OM & YL w/talk on the Nuclear race.(444 10/20 Kerrigan-
 IL)(Klasek-MO)(Hill-SC)(Krist-VA)(Picarelli-CA)
 9835 0300 RB: EE-RB attempted to contact Swedish Nobel Prize winner.(333
 10/16 Sienicki-NJ)(Krist-VA)(Miller-CA)
 11910 0200 RB: EE-ID, nx pgm, winter freqs,(454 10/17 Krist-VA)
 15220 0200 RB: EE-NX, cmtry on Polish exports.(444 10/12 Krist-VA)
 17710 *0000 RB: SS-YL w/ID, OM is into nx.(454 10/7 Welch-MA)

I C E L A N D ISBS
 13797 1934 ISBS: IC-OM & YL w/talks, guitar mx.(232 10/7 Gilster-NC)
 13797 1835 ISBS: IC-Cmtry, ID, DX pgm by YL, nx pgm.(343 10/22 Tate-WV)

I T A L Y Radiotelevisione Italiana
 9575 0100 RAI: EE-YL w/nx pgm, off 0120.(323 Marshall-AZ)(Shamblin-CA)(
 (Robichaud-NB)(Marin-FL)(Thompson-CA)(Mountain-BC)(Krist-VA)
 11585t 0600 ????: EE/IT-Pop mx pgm, EE ID that sounded like "This is R.Mine
 bcsting on 11585 mhx SW", then into IT. Weak signal, ute QRM.
 and bad modulation.(222 10/24 Fisher-MA)
 11800 0100 RAI: EE-YL w/ID, nx, mx pgm.(444 10/12 Krist-VA)
 11905 0350 RAI: EE-IS, ID, nx pgm, mx pgm.(322 10/22 Ledford-NJ)

L U X E M B O U R G H R.Luxembourg
 6090 0050 RL: EE-Pop mx pgm, ID, talks, much QRM.(323 10/13 Gayle Van
 Horn-TX)(Robichaud-NB)(Fraser-MA) I have not been able to
 hear RL lately. There seems to be an unusual amount of QRM
 here at my QTH lately. I guess I will have to live with it.

M O N A C O
 7200 0500 TWR: TK-ID,OM w/talk in Turkish.(333 11/8 Schulsinger-OH)
 9495 0730 TWR: EE- the "Back to the Bible" pgm.(344 11/1 Wieboldt-FL)
 (Ward-NE)(Krist-VA)(Ledford-NJ)(Welch-MA)
 11715 *0800 TWR: NW-EE ID, then into NW pgm.(353 10/21 Welch-MA)

N E T H E R L A N D S R.Nederland
 9715 0300 RN: EE-Mx, wld nx.(555 10/11 Clevely-NY)(Koehler-IL)
 9895 0707 RN: EE-Talk on Ghana, beam to w.Afr.(454 10/10 Krist-VA)
 15220 2030 RN: EE-OM w/"Newline", cmtry.(343 10/7 Hesch-NY)
 15560 1600 RN: EE-Special test tx using 2 transmitters.(545 Marshall-AZ)
 17605 2030 RN: EE-Nx on Newline, the Monday Report.(444 10/11 Hill-SC)
 (Hesch-NY)(Krist-VA)
 17795 2130 RN: EE-the Happy Station Show.(444 Hahn-??)(Hill-SC)(Sienicki)

N O R W A Y R.Norway
 17840 1400 RN: EE-Norway This Week w/nx items.(454 10/3 Fraser-MA)
 21575 *1600 RN: EE-News & Views pgm, mx, OM w/freqs.(444 10/17 Krist-VA)
 21705 1800 RN: EE-"Norway This Week" & "News & Views"(222 10/31 Zilmer-NM)
 21730 1810 RN: EE-YL w/nx pgm about Norway.(444 10/10 Mills-VA)
 25730 1400 RN: EE-Norway This Week & Listeners Corner.(353 10/24 Zilmer)

P O L A N D R.Polonia
 7270 2230 RP: EE-nx on Panarama, talk on economy.(353 10/5 Fraser-MA)
 (Robichaud-NB)(
 9525 0217 RP: EE-OM w/ID, info about DX club.(333 10/24 Zolla-CA)
 (Forsman-CA)

Christmas is Love

P O R T U G A L R.Portugal

6075 0530 RP: EE-OM w/ID, Nx, pgm on Philately.(433 11/6 Marin-FL)
 6155 2318 RR: PP-Rel mx pgm, YL w/rel talk.(322 10/9 Cereghin-MD)
 9520 0300 RP: EE-OM w/nx, & folk mx pgm.(434 10/13 Muzyka-NY)
 11845 2215 R.Japan: EE-Nx & current affairs pgm.(232 10/25 Zilmer-NM)
 11925 0303 RP: EE-Headlines of todays news.(322 10/22 Sanderson-AZ)
 (Sienicki-NJ)(Ledford-NJ)(Hahn-CA)
 21685 1610 RP: EE-YL w/nx pgm, ID, skeds.(423 10/25 Hosmer-MI)(Famularo-CA)

R O M A N I A R.Bucharesti

9570 0213 RB: EE-Cmtry, rock mx, & ID.(433 10/20 Ray-PA)(Krist-VA)
 9690 2021 RB: EE-Info on the RB Listening Club, including goodies you'll get for 1 report a month for 5 years. (433 10/12 Burke-VA) If you send 1 report a month for 5 years you gotta be dedicated. I would like to know what they offer for such an effort. tml
 15335 0650 RB: EE-ID, Nx pgm, talk on disarmament.(333 10/26 Ledford-NJ)

S P A I N R.Exterior de Espana

9630 0615 REE: EE-Talk on Fiat cars in Spain.(544 11/5 Forrester-SC)((Krist-VA)(Addison-KS)(Lord-CA)(Smith-FL)
 11775 0413 REE: SS-EZL mx pgm, nx.(555 10/17 Earhart-PA)
 11880 0100 REE: EE-YL & OM w/talk on Communist Party.(444 11/9 Valentine-CA)(Duncan-NC)(Bartsch-MN)(Olson-MD)(Clevely-NY)(Johnson-ID)+9
 15125 0200 REE: SS-OM w/ID, nx, & SS mx.(233 10/11 Miller-CA)
 15190 2040 REE: ??-NX, MX, spanish by radio.(433 10/25 Ledford-NJ)
 15375 2002 REE: EE-Pamarama show w/report on last day of political campaigns.(343 10/26 Burke-VA)

S W E D E N R.Sweden Intl

9690 2300 RSI: EE-Nx on Weekday, "Calling All DXers".(454 10/5 Fraser-MA)
 9695 0230 RSI: EE-OM w/ID, nx on mystery sub which probably escaped.(333 10/15 Duncan-NC)(Picarelli-CA)(Bartsch-MN)(James-NC)(Mills-VA)
 11705 0248 RSI: EE-OM w/talk on weapons.(444 11/5 Bartsch-MN)(Greenwald-WY)(Picarelli-CA)(Hahn-CA)
 21615 1410 RSI: EE-Disc of Indian films, mx pgm.(444 10/10 Olson-MD)(Harrell-IL)(Hosmer-MI)
 17790 1400 RSI: EE-Wld nx pgm, ID,(222 9/27 Picarelli-CA)
 21700 1400 RSI: EE-"Weekday" & Sweden Calling DXers.(232 11/2 Zilmer-NM)

S W I T Z E R L A N D Swiss Radio Intl

3985 0615 SRI: FF-Talk on SS elections.(444 10/29 Murff-NM)
 6135 0145 SRI: EE-OM w/nx on Solidarity.(444 11/9 Coleman-MA)(Sienicki-NJ)(Addison-KS)
 7210 0613 Red Cross Radio: EE-Report on activities of ICRC.(222 10/25 Wilkins-CO)(Schulsinger-OH)
 9560 0700 SRI: EE-NX, & the Saturday Grapevine.(good 10/16 Koehler-IL)+3
 9725 0144 SRI: EE-ID, nx pgm, SSWMGR.(343 10/24 Taylor-MO)(Clevely-NY)+5
 11715 0145 SRI: EE-Wld nx, SSWMGR, mx.(333 10/10 Hill-SC)(Valentine-CA)(Picarelli-CA)(Addison-KS)(Greenwald-WY)(Ward-NE)
 15305 0657 SRI: EE-S/on, freqs, ID.(333 10/10 Leonard-ME)(Shamblin-CA)+ 2
 17795 1030 SRI: EE-pgm of Swiss country mx, nx.(343 10/10 Welch-MA)
 17830 1818 SRI: EE-NX on Dateline, talk on Poland.(433 10/11 Krist-VA)(Grijalva-AZ)(Famularo-CA)(Hahn-CA)
 21570 1528 SRI: ??-ID in EE, Dateline. This freq to Mid East.(433 10/13 Burke-VA)(Ulmer-LA)
 21695 0900 SRI:EE-"Dateline" w/interviews & reports.(454 10/28 Sugai-Japan)
 25780 1318 SRI: EE-OM w/nx pgm, ID, SSWMGR and answers to technical questions.(454 10/9 Hesch-NY)(Zilmer-NM)

U N I T E D K I N G D O M

3955	0625	BBC	Murff-NM	9590	0000	BBC	Addison-KS
5975	0604	BBC	Ward-NE	9640	0908	BBC	Duncan-NC
6005	0516	BBC	Preston-CA	9915	0018	BBC	Thompson-CA
6055	0342	BBC	Johnson-ID	11770	0030	BBC	Clevely-NY
6120	1045	BBC	Addison-KS	11775	1200	BBC	Hesch-NY
6175	0300	BBC	Hill-SC	11955	0855	BBC	Duncan-NC
6195	1130	BBC	Duncan-NC	15070	2330	BBC	Hill-SC
7150	0712	BBC	Ledford-NJ	15400	0659	BBC	Leonard-ME
7325	0318	BBC	Leonard-ME	17715	1630	BBC	Hosmer-MI
9410	0446	BBC	Leonard-ME	17790	1425	BBC	Ray-PA
9500	0200	BBC	James-NC	21590	1430	BBC	Picarelli-CA
9505	0205	BBC	Addison-KS	25650	1430	BBC	Fraser-MA
9510	1130	BBC	Duncan-NC				

U	S	S	R					
5980	2120	R.Moscow	Krist-VA	11750	0355	R.Moscow	Earhart-PA	
5985	1400	R.Tashkent	Carlson-WA	11785	1205	R.Tashkent	Olson-MD	
6020	1504	R.Moscow	Berri-CA	11820	1745	R.Moscow	Barrett-PA	
6985	2145	R.Tallin	Parks-FL	11850	0015	R.P&P	Ulmer-LA	
7145	0300	R.Moscow	Smith-FL	11975	1010	R.Moscow	Ray-PA	
7165	0300	R.Kiev	Krist-VA	12045	0400	R.Moscow	Preston-CA	
7440	0310	R.Moscow	Schulsinger-OH	12075	0110	R.Moscow	Stone-ONT	
9540	1200	R.Tashkent	Krist-VA	15140	0316	R.Moscow	Johnson-ID	
9450	0501	R.Moscow	Leonard-ME	15180	0317	R.Kiev	Zolla-CA	
9490	2110	R.Moscow	Smith-FL	15240	0030	R.Kiev	Krist-VA	
9580	0400	R.Moscow	Fama-CA	15425	0307	R.Moscow	Marshall-A	
9600	0440	R.Moscow	Krolak-MI	15455	1400	R.Rodina	Ulmer-LA	
9610	2300	R.Moscow	Smith-FL	15350	0706	R.Moscow	Leonard-ME	
9635	2000	R.Kiev	Clevely-NY	15540	1430	R.Moscow	Duncan-NC	
9675	2330	R.Moscow	James-NC	15465	1105	R.Moscow	Krist-VA	
9685	0030	R.Kiev	Krist-VA	17732	0300	R.Moscow	Wilkins-CO	
9700	0125	R.Moscow	Sienicki-NJ	17795	1540	R.P&P	D'Angelo-C	
9720	2315	R.Moscow	Barrett-PA	17845	1500	R.Moscow	Fraser-MA	
9770	0010	R.Moscow	Clevely-NY	17870	0030	R.Kiev	Krist-VA	
9800	0030	R.Kiev	Fraser-MA	17900	0300	R.Kiev	Grijalva-A	
11715	0118	R.Moscow	Picarelli-CA	21485	0030	R.Moscow	Fraser-MA	
11720	0020	R.Moscow	Fraser-MA	21565	0247	R.Moscow	Grijalva-A	
11735	0036	R.Kiev	Ulmer-LA					

V	A	T	I	C	A	N	S	T	A	T	E	R.Vaticana
6015	0100	RV: EE-OM w/report on U.N. day.(344 10/26 Olson-MD)(Barrett-PA)(Krist-VA)(Picarelli-CA)										
6210	0740	RV: FF-OM w/report on the Pope.(322 11/4 Ledford-NJ)										
9620	0905	RV: SS/FP/FF/EE-Special bcst on Pope.(333 10/5 Ledford-NJ)										
11700	2128	RV: EE-YL w/a talk on the Pope.(454 10/31 Cucura-PA)										
11740	0645	RV: LT-Mass in Latin.(444 11/1 Wieboldt-FL)										
11845	0100	RV: EE-YL w/ID, & discription of services.(444 10/20 Addison-KS)(Picarelli-CA)										
11955	0115	RV: SS-OM w/ID, religious pgm.(544 10/5 Stone-ONT)										
15110	1505	RV: EE-YL w/a talj about Lebanon.(222 10/19 Hosmer-MI)										

Y	U	G	O	S	L	A	V	I	A	R.Yugoslavia
9620	2213	RY: EE-IS, YL w/ID, freqs, OM w/nx (343 10/30 D'Angelo-PA)(Hosmer-MI)								
9670	2224	RY: EE-Report on exports, ID, sked, IS.(433 10/15 Ulmer-LA)								

Not much to report this month in the way of news. There are a few items in the WBI but they are of no great interest, so I have refrained from boring you with them. A sked is out for France's new service to Latin Amer and will probably be in the Skeds column.

This is my 24th column and it seems that every month I learn some new shortcuts to do the column quicker. This one only took me 4 hours. That's quite a difference from the first one that took me about 15 hours to complete.

I hope Santa brings everyone what they are looking for for Christmas. I'm looking for an Atari 800 or a Commodore 64. Well I always did wish big. I have been wanting a computer for years but could never afford one until this recent technological advance that has brought the price within reach. Who would have ever thought one might buy a computer with 48 K of RAM for as little as \$500.00?

This wraps up December. Have a Merry Christmas & Happy New Year!

Jerry Lindby

Merry Christmas

and a

Happy

New Year

SWBC DX

AFRICA

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Radio Television Kaduna



FEBA
Seychelles

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

YOU MIGHT NOT HEAR IT FROM THE ZBS. . .

ZAMBIA'S MULTI-MILLION KWACHA MASS MEDIA COMPLEX IN LUSAKA SEEMS TO BE SOMETHING OF A WHITE ELEPHANT. In 1970, Zambian President Kenneth Kaunda gave the go-ahead for what would have been one of the most comprehensive mass media complexes in Africa. Today, the complex is still not functioning and the dream is in danger of becoming a nightmare. The complex, conceived in the late 1960s at a cost of K11-million then, will house the Zambia Broadcasting Services (ZBS), Zambia News Agency, and Zambia Information Services, and will provide ultra-modern facilities, but the original cost has since more than trebled. Today, it could cost more than K50-million.

A number of things have led to the delay in the opening of the complex. The Zambia Broadcasting (ZBS) staff at one time warned the Minister of Information and Broadcasting Services that the complex might turn into a white elephant if measures were not taken to provide necessary staff; to operate smoothly, the complex would need four times the present staff. To avert the crisis, the staff then recommended that expatriates should run it until enough ZBS staff were trained to take over.

But as things stand at the moment, ZBS has only 10 qualified engineers to run the complex--it requires the services of 200 technicians! And reports from the complex indicate that about K2-million worth of new equipment at the complex is either already out of order or is not working. The damage caused to these machines is due to a lack of proper training for ZBS technicians. In fact, the technicians handling the machines only attended a four-day orientation course conducted by the Japanese experts--they were then left to run the complex systems.

A ZBS spokesperson says, "To expect such technicians to understand fully the operations of such complex machines after only a few day's course is expecting too much. The solution before further damage is done is to send people for more specialized training."

Last July, a permanent secretary from a different Ministry accompanied by a spokesperson for the Ministry of Info and Services, was told during a tour of the complex, that some ZBS office orderlies had been deployed in technical jobs because of the shortage of trained staff. The ZBS chief engineer also said that the Japanese were not keeping their contract because they had been allowed 12 months in which to train staff to man the complex.

The government has now arranged another agreement with the Japanese government for the training of personnel for the complex. The National Commission for Development Planning is currently helping the Ministry to look for places where to train staff, while the Ministry of Works and Supply has promised to supply additional staff to run the complex. At the same time, short courses are currently underway with the help of the Zambia Inst. of Mass Communications for ZBS staff, the government has also released K2-million for buying vehicles for the complex.

But until all of this is done, the mass media complex will be criticized. As the Times of Zambia said, "It is now almost 12 years since the project was conceived. It is one baby that is causing the expectant nation concern."

(Via November, 1982, New African)

ANGOLA

The "Voice of Palestine" px produced by the PLO and bcst in R. Nacional de Angola's B px, announces the following mailing address: The Voice of Palestine, P.O. Box 421, Luanda, People's Republic of Angola (BBCMS).

5011v 2250 Em. Regional do Mocamodes; PP, lang tx w/mention of Angola and Namibia by OM, ID, NA, 2315*, xmtr seemed rather unstable, het de UTEs, 10/8 (Parks, FL)

11940 2105 UNIO station; suspect Angola here w/FF OM tx, afro mx, radio drama, more mx, 2245, nx, 2255 YL take over. Never seem to pull an ID, 11/4, 343 (P. Thompson, CA)**Peggie, this sounds more like Africa Number One. Keep me posted. mln.

11955 0542 R. Nacional; PP, tx by OM and YL, local mx featured, 434, 10/20 (Sharp, FL)

ASCENSION ISLAND

6005 0500 BBC Relay; EE, IO, nx px to Africa (Greenwald, WY)

15260 2300 BBC; EE, World Svc, nx of Europe (B. Miller, CA)

17880 1650 BBC; EE, "Meridian" px, 10/19 (Hosmer, MI)

BENIN

4870 2L09 ORTB; FF, Tx by OM, mention of Benin, into lcl mx, 333, 10/20 (Sharp, FL)

BOTSWANA

4845 0421 R. Botswana; Gets, tx by OM, variety of mx, QRM de SRS, 323, 10/20 (Sharp, FL), *0358, EE, cowbell/animal IS, 0359, NA, 0400, YL mention of "Gabarone," 343, 11/2 (Norcross, CA)

CAMEROON

4000 0453 R. Bafoussam; Vern, EE & FF, OM tx in Vern and drum mx, 0459, IO and nx in EE, FF nx 0503, 233, 10/26 (Cucura, PA), 2255, FF/EE IO, 2302*, 10/28 (Parks, FL)

4750 0443 R. Bertoua; Vern, IO and freq in EE & FF 0445 s/on, NA and drums, short nx in Vern and local nx, 10/26, 353 (Cucura, PA), 0450, FF/EE, OM cmtly w/native mx interludes, ID at 0504, 10/15 (Barrett, PA), 2230, FF/Vern, OM w/hi-life, rock mx, occasional IOs hrd, 10/28 (Parks, FL)

4850t 0105 R. Yaounde; FF, IOs in FF, EE pop vocals, on late tonite, I guess, 10/14 (Van Horn, TX)**I'll say. mln. 0500, FF nx by YL, IO, into brief mx, then OM tx, 444, 11/1 (Sharp, FL), 0435, FF, OM, audible after 0435* for Suriname, 10/13 (Pimblett, AB)

5010 0438 R. Garoua; FF, OM w/chanting, OM in FF, IO and nx(?) at 0500, back into Afro mx, 10/13 (G. Van Horn, TX), 0459, FF OM anmts, nx by YL, 10/27 (Pimblett, AB), 0430, FF/EE, nx at 0500, 10/25 (Sharp, FL)

CANARY ISLANDS

15364m 0200 REE; SS, 0200, nx 0215, excerpts from Juan Carlos speech, 0230*, IS, freq really is 15,364, 10/29 (Wilkins, CO)

CAPE VERDE ISLANDS

7155 0730 Voz de Cape Verde; PP, NA, IO by OM, anmts and freq, into unusual mx, first (and last) time hrd, 322, 10/30 (Sharp, FL), 0740, PP, guitar and vocal mx, 0801, 2-note gong IS, IO, nx, 0806-25, disco mx, OM, much QRM from BBC on 7150 and ARO, 10/26, 222 (Wilkins, CO)

CENTRAL AFRICAN REPUBLIC

5035 2142 LV de CAR; FF, px of lcl and pop mx, tx by OM DJ, pretty nice signal, 344, 10/26 (Sharp, FL)

CONGO

15190 2300 RTVCongolaise; FF, chants, OM tx, IO, reminds me of years past when this one was hrd well on 15190, 10/28 (Sharp, FL)

EGYPT

9475 0230 R. Cairo; tx on Mid-East conflict, 343, 11/2 (Klasek, MO), 0200, YL w/IO, AA mx, EE, 333, 10/27 (Zolla, CA), 0200, EE, 11/5 (Craig, OH), 0213 (Harrell, IL)

10005 2253 R. Cairo; tent in AA w/OM tx and AA mx, YL tx, 2259, chimes like RC into more AA mx, 10/24 (Provance, OH)

12000 0204 RC; EE, OM and YL w/classical mx, bad hum on frequency 10/17 (Shamblin, CA)

ETHIOPIA

The Voice of the Broad Masses of Eritrea, which is hostile to the government of Ethiopia and claims to be from liberated territory is showing the following sked: 14315-14335 kHz variable and 3725-3799 kHz variable. 0430-0600/1430-1630/and 1800-2000 GMT. Languages used include Tigre, AA, Afar, Amharic and other indigenous dialects (BBCMS).
7110 0328 Voice of Rev. Ethiopia; Amharic, flute IS, time pips (4), ID and tx by OM, into px of very interesting indeg. mx, 333, 10/31 (Sharp, FL) *VoRE has a really neat-sounding IS. mln.

GABON

4810 0508 Africa #1; FF, pop mx, YL w/ID, mx, nx, 10/13 (G. Van Horn, TX), 2044, FF, pop mx, 10/29 (Sugai, Japan), 2237, FF, usual pop mx, nx at 2345, //11940 (Thompson, please take note...mln), 10/15 (Pimblett, AB), 2251, ID at end of nx, OM tx, YL w/s/off (Gilster, NC)+1
11940 2028 ANO; FF, OM request px, lcl mx & ID (Cucura, PA)
15200 0610 ANO; FF, mixed bag of mx, hi-life, Rolling Stones, YL, //4810, 353, 10/13 (Wilkins, CO)

GHANA

4915 2250 Ghana BC; EE/Vern, EEnx by OM, prayer, hymn, air raid siren for 30 seconds, NA, s/off 2305, 454, 10/24 (Sharp, FL), *0500, Vern, drums, sirens, s/on, chorus mx, relg px, 10/13 (Wilkins, CO)

IVORY COAST

4940 0600 RTVivoriennne; tent w/NA, s/on in FF, afro mx, did not hear ID, so tent., 10/13 (Gayle Van Horn, TX)**Gayle, next time you hear this, check 11920 to see if px's are parallel...mln. 2146, FF, native drum mx, OM/YL tx, laughing, good sig, 11/7 (Cereghin, MD)

KENYA

4934 0350 Voice of Kenya; Vern, YL w/U.S. pop tunes, 0400, TC and ID, nx by OM, 232, 10/26 (Cucura, PA), 2000, EE, tx by OM and ID, into mx px, 10/18 (Sharp, FL)

LESOTHO

4800t 0402 R. Lesotho; EE YL anmt, NA, 0403, OM chants, 332, 11/2 (Norcross, CA), 0400 in Sesotho, relg mx into jazz, lost by 0445, 10/13 (G. Van Horn, TX), ID at 0400, 353, 10/23 (S. Forsman, CA) +1
11830 1700 BBC Relay; YL BBC WS nx in EE, 10/28 (Thompson, CA)

LIBERIA

3255 2216 ELBC; EE w/local mx and anmts, lottery drawing, death notices, ID as "...ELBC broadcasting from Monrovia," 252, 10/27 (Gilster, NC), 2314, exceptional lvl, final nxcast, relg ads, first hrd in 3 years at my QTH...11/6, best on band (Cereghin, MO), 0535, Vern, OM in mish-mash of languages, lots of tx, occasional Afro chants, 0558, f/out 0601, 222, 10/29 (Murff, NM), 0517, px of Afro mx, 10/27 (Pimblett, AB), 2233, EE, calls to listeners, "Wednesday Night Request Treat" px, final nx bst, many U.S. songs (Krist, VA), tent. at 0615 in Vern, EE TC, 10/14 (Halbert, CA)
4765 2206 ELWA; EE, VoA nx, abruptly into local nx at 2211, ID, 252, 10/27 (Gilster, NC)
11870 2110 ELWA; EE, relg preaching, 2115, nx, IO at 2119 as "External Svc of ELWA bcsting to West & Central Africa," gave address for QSL rpts, 10/31 (D'Angelo, PA)
17870 1600 VoA; EE, "Nightline Africa," 10/31 (Hahn, CA)+1

LIBYA

11815 0015 SPLAJBC; AA, chants w/occasional tx by OM in AA, 433, 11/2 (Klasek, MO), 2323, EE, nx w/"editorial opinion" included, tx on Afro economics, 10/24 (Harrell, IL), 2300, EE, background on the Green Book (Schulsinger, OH), 2249, EE, (Fisher, RI), 2348, EE (Lindley, AL)+4
15450t 1800 SPLAJBC; AA, ID into nx, 10/14 (Robichaud, NB)

MALI

4783 2217 R. Natl. du Mali; FF, tx by OM, lcl mx, IO, //5995, 333, 10/22 (Sharp, FL)
5995 2234 R. Natl. du Mali; FF, weak sig, 2 OMs yelling at each other, 232, 10/10 (Cereghin, MD)

MADAGASCAR
15220 2042 R. Nederland; EE, newsroom, several IOs, into "Media Network," 2119*, 10/14 (Krist, VA), 1830, "Happy Station," 10/31 (Jeff Hahn, CA)

MAURITANIA
4845 2236 RNduMauritanie; AA, tx by OM, into chants featuring lcl insts to past 2250, 434, 10/23 (Sharp, FL)

MOROCCO
11730 0400 RTVM; AA, nx followed by YL vocals (concert w/applause), 0459, ID, 0500 possible nx (Wilkins, CO)
11845 0438 VoA Relay; mx and YL tx in lang, 10/16 (Earhart, PA)
17705 2107 RTVM; AA, tx by OM, ID, //15105, 10/21 (Sharp, FL)
21630 1713 VoA; Lithuanian/EE, IS, 1730*, 10/19 (Hosmer, MI)

NAMIBIA
4965t 0410 SWABC; Afrikaans, lots of tx, no ID, 0438, f/out, 342, 11/2 (Norcross, CA), tent. w/px in EE/GG, continuous E2L mx, tent.ID at 0357/0457, 10/31 (Schulsinger, OH), 0405, Afrikaans, OM, pop tunes, 10/14 (Pimblett, AB)

NIGER
5020 0530 ORTN; FF, NA, opening anmts by OM, into Koran to abt 0600, 343, 10/23 (Sharp, FL)

NIGERIA
4770 0441 FRC/Kaduna; pop mx, TC, Nigerian nx at 0500, mx, relig tx, spy S numbers stn underneath, 10/15 (Burke, VA)
5965 2204 Plateau BC; EE/Vern, political tx by OM in EE, into local mx and CSW mx and mention of Jos (Parks, FL)
6050 2201 FRC/Ibadan; EE, nx followed by patriotic pep tx, Afro mx, fair past 2230, 10/9 (D'Angelo, PA)
7145 0602 R. Kwara; tent in EE w/nx by OM to 0614, hrd "R. Nigeria" ID during nx, bad ARO QRM, 311, 10/17 (Pimblett, AB)**IF you hrd "RN" ID, why tent???mln.
7255 0535 VoN; EE nx of Nigeria, 10/17 (Burke, VA), 0633, FF, OM in FF w/nx, ID, 10/13 (G. Van Horn, TX), 0532, EE, 10/25 (Schulsinger, OH), 0519, EE, 10/14 (Ulmer, LA)
15098.5 2000 VoN; GG, nx, cmty, tribal mx, in EE 2100, hrd here this day only; 15120 not hrd, 10/10 (Wilkins, CO)
15120 0724 VoN; EE, OM w/rock mx, 10/16 (Shamblin, CA), 1607, EE, mx w/tx on Nigerian mx industry (Ulmer, LA), 0657, EE, IS, "Nigerian Scene," mx, world nx, 10/28 (Sugai, Japan), 1615, EE, report on Nigerian economy, 10/31 (Hahn, CA), 1635, EE (Hosmer, MI)
17800 0450 VoN; EE, bells IS, ID, freqs, Nigerian nx, 10/30 (Ulmer, LA), 0535, EE, OM w/world nx (Lindley, AL)

RWANDA
21600 2345 DW Relay/Kigali; GG, radio play, 2350*, mention of Kigali site, ID in FF, 343, 10/17 (Pimblett, AB)

SEYCHELLES
15200 0408 FEBA; EE, relig. mx, sermons, 11/6 (G. Van Horn, TX)

SIERRA LEONE
5980 2200 SLBC; EE, local and national nx, many hets, 10/31 (Cereghin, MD), 2310, EE, combination Top 40 and lcl mx request px, TCs, read listener letters, 10/11 (D'Angelo, PA)

SOMALI REPUBLIC
6790 0327 R. Mogadishu; AA, OM in AA, chants, 10/14 (G. Van Horn, TX), 0310, AA, Koran, ID by OM, into mx, 11/1 (Sharp, FL), 0435, OM tx and chants (Provance, OH), 0305, tent. w/OM tx, modern mx, first time hrd, 10/16 (Moman, AB), *0300, local lang w/s/on anmts, chants (Hosmer, MI)

SOUTH AFRICA
4990 0407 RSA; EE, nx report by OM, 10/23 (S. Forsman, CA), 0256, EE, IS until 0259, ID and freqs given by OM, 11/8, 322 (Schulsinger, OH), 0403-0410, Cent. Africa nx, spotlight, 222, 10/18 (Burke, VA), 0345, EE, 322, 10/15 (Mountain, BC)
5980 0158 RSA; EE, OM w/s/on at 0200 w/freq info, 544, 10/17 (Shamblin, CA), 0200, mailbag show (Sienicki, NJ)
9585 2105 RSA; EE, OM nx of Africa, mention that Sudan announced it would help Iraq against Iran, 433 (Coleman, MA)
9615 0207 RSA; EE, nx by OM, into commentary, 10/14 (Duncan,

NC), 0205, EE nx (Shamblin, CA, Addison, KS), 0220, tx on U.S./South African relations (Picarelli, CA)
 11730 0220 RSA; EE, OM and YL reading letters (T.L.James, NC), +3
 15155 *2159 RSA; EE, nx, commentary, 10/17 (Krist, VA)
 15325 *0200 RSA; EE, IS to 0159, EE ID at 0155, into "Africa Today" program, 10/27 (Duncan, NC), 0215, EE, OM w/report on railways, 11/1, 555 (Shamblin, CA), 0213, EE, review of South African economy (Grosvenor, CA)
 17745 *2058 RSA; EE, "Africa Today," cmtly on FRG-SAF trade (Krist)
 21535 1059 RSA; EE, "Africa Today," nx, cmtly, 10/27 (Sugai, Japan)
 25790 1535 RSA; EE, "P.O. Box 4559" px, 10/31 (Harrell, IL), 1130, EE, U.S. pop mx, "S. Afr. Hit Parade," 353, 10/23 (K. Krist, VA), 1320, EE, mx px (Wieboldt, FL)+1

TANZANIA

During week of 11/1, Godfrey Mngodo, Sr. Program Director for R. Tanzania, was in Minneapolis. He said xmtr for the 15,435 kHz RT frequency was originally purchased in fm Chinese and was off air due to the lack of spare parts. Hinted it may return to the air in near future. We were told that the CC xmtrs are less expensive than equipment from other companies/countries...but maintenance and spare parts make it very expensive to keep operating. He was surprised to hear that U.S. DXers have heard RT/Zanzibar, as station is difficult to hear in Dar-es-Salaam. Also, many of RTZ's expansion plans have been postponed due to heavy expenses involved in Ugandan war. (Tom Gavaras, Minnesota, via "Fine Tuning" #213).

TOGO

3222 0602 RT/Lama-Kara; FF, two OM w/tx, nx, cmtly, not all in FF, even hrd ads, 10/29 (Murff, NM)
 5047 0529 R.Togo; FF, IS, NA, ID at s/on, 10/27 (Pimblett, AB)

TUNISIA

7225 0507 RTVT; AA, nx by OM noted, into AA mx to past 0520, 322, 10/29 (Sharp, FL)

UGANDA

15325 0328 R. Uganda; EE, independence celebrations, speeches about rights, freedom & government, 10/9 (Hill, SC), 0340, EE, super sig, but overmodulated, Afro chants, 0345, Listener's Letterbox with mention of SPEEDXer RICHARD SPEER (by the way, they said your QSL was on the way, Richard!), 10/4, 555 (Hosmer, MI), 0415, EE, ID by OM (Carlson, WA), 0300, mx (333, 10/15, Burke, VA)

UPPER VOLTA

4814 2237 RTVV; FF, px of lcl flute mx, seldom IDs, suffered terrible het, 212, 10/22 (Sharp, FL)

ZAMBIA

4911 0410 ZBS; tx by OM, ID at 0412, into mx (Sharp, FL, 10/30)

DO YOU KNOW YOUR AFRICAN CURRENCY EXCHANGE RATES?

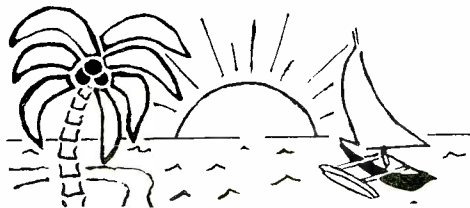
After you read this listing of how Afro currency compares to U.S. dollars, you most definitely will!

Country	Currency	Value US\$	Country	Currency	Value US\$
Algeria	A. Dinar	4.6	Mauritania	Ouguiya	51.3
Angola	Kwanza	30.2	Mauritius	Rupee	11.2
Botswana	Pula	1.1	Morocco	Dirham	6.2
Burundi	B.Franc	90.0	Mozambique	Metical	30.3
Cape Verde	C.V.Escudo	54.7	Nigeria	Naira	0.7
Egypt	E. Pound	1.2	Rwanda	R.Franc	92.8
Eq.Guinea	Ekuele	227.6	Seychelles	Rupee	6.7
Ethiopia	E. Birr	3.5	Sierra Leone	Leone	1.3
Franc Zone	CFA Franc	356.6	Somalia	S.Shilling	6.4
Gambia	Dalasi	2.3	South Afr.		
Ghana	Cedi	2.8	Rand Zone	Rand	1.2
Guinea	Syli	23.0	Sudan	S. Pound	1.1
Gui. Bissau	Peso	41.0	Swaziland	Lilangeni	1.1
Kenya	K. Shilling	11.1	Tanzania	T.Shilling	9.4
Lesotho	Loti	1.1	Tunisia	T.Oinar	0.6
Liberia	L. Dollar	1.0	Uganda	U. Shilling	99.6
Libya	L. Dinar	0.3	Zaire	Zaire	5.9
Madagascar	M.G.Franc	373.0	Zambia	Z. Kwacha	1.0
Malawi	Kwacha	1.1	Zimbabwe	R. Dollar	0.8
Mali	M. Franc	713.1		(via Nov.82 New African Magazine)	

ASIA-OCEANIA

EDITOR:
TOM SCOTT
1200 Cornwell
Yukon, OK 73099

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



Gee, it sure doesn't look like the A/O section!!! That's because it isn't. It would seem that for the second month in a row the United States Post Office has played games with us here at SPEEDX publishing Headquarters. I'm typing this on Nov 26. Tom says he mailed the column to me on the 16th! I'm sorry but I can't wait any longer, so to press we go, again without an A/O column. We truly regret not being able to bring you this column again, but what can we do?

I know, how about printing a bunch of ads???

FOR SALE: Drake SPR-4, w/MS-4 speaker, calibrator, QF-1 audio filter, extra crystals, manual. Excellent condition. \$300, shipping included. Robert A. Yajko, 123 Summit St., RD #4, Leechburg, PA 15656 or call (412) 842-8202 between 2100-0300. NO COLLECT CALLS!

FOR SALE: Kenwood R-1000 excellent condition w/1.9 and 2.9 collins mechanical filters. Also 4kHz ceramic filter, switchable AGC (fast-slow). A deal at \$395. Includes shipping. Mark Zavatsky, 196 Figlar Ave., Fairfield, CT 06430. phone: (203) 259-5417

FOR SALE: Panasonic RF-2200 w/ manual for \$95 postpaid or best offer. Will also throw in 75 feet of new antenna wire. Mark Eramo, 5 Kimball Drive, Stoneham, MA 02180.

FOR SALE: Allied/Radio Shack SX-190 SWBC receiver; very good condition, \$150 plus UPS. Yaesu FRG-7; slight fire damage to rear panel, reworked by Yaesu in Ohio but still has problem with ATT switch in DX position. Calibration and overall performance good. \$150 plus UPS. MFJ-1020 Active Antenna, \$50 UPS included. Ameco PCL-P shortwave preselector, \$50. Contact M. Stutterheim, 510 Main St #732, Roosevelt Island, NY 10044. phone: (212) 838-5182...No collects please.

WANTED: RME DB-22-A preselector. Contact M. Stutterheim, 510 Main St #732, Roosevelt Island, NY 10044 or call (212) 838-5182-NO COLLECTS

WANTED: Old club bulletins. I need FRENDX, any before 10/74 and 8 & 9 /75. I also need SPEEDX 6/71 to 11/72 and 12/75 to 12/78. Please state price and condition. Apply to Terry Klasek, 9720 Vickie Pl., St. Louis, MO 63136. phone: (314) 868-7274.

FOR SALE: Bearcat 100 Handheld programmable scanner, like new, \$275, includes shipping. Tom Adams, P.O. Box 1165, Midland, MI 48640 or call (517) 631-7115, nights or weekends.

FOR SALE: Bearcat 300, 50 channel, crystalless, service search scanner. Original packing and manual. Excellent condition, 1 year old. Must sell: \$350...I pay shipping. Mike McKinstry, KDX4H, 1326 South George Mason Drive, Apt. B., Arlington, VA 22204. Call after 0100 GMT (703) 521-0915. No collect calls.

WANTED: I'm desperately looking for an operators manual and schematic for direction finder set AN/SRD-7 with radio receiver R-623/SRD-7, a unit of direction finder set AN/SRD-7. This set was made by Stewart-Warner for the U.S. Navy. If you know where I could find one, please contact me. I will pay reasonable cost of copies and shipping. Thanks. Greg Overton, 4124 Aikins Ave S.W., Seattle, WA 98116.

Let's squeeze in one more ad, then I thought I'd bring you an interesting little article sent into SPEEDX some months ago. We hope you enjoy it, and thanks to Bill Appel for doing all of the work. Again, sorry about the A/O column, but... For now, this is your friendly SPEEDX publisher, John Trautschold, signing off...

FOR SALE: Info-Tech M-200E CW/RTTY/ASCII reader, including a Sanyo 9" video monitor. These plus a receiver are all you need to copy CW/RTTY/ASCII. Chris Devendorf, 29261 Buckhaven, Laguna Niguel, CA 92677.

The following interesting bit of information was submitted by SPEEDXer Bill Appel. He says, "Being somewhat new to shortwaving I've wondered what is the best receiver to have. I took the list of contributors from Feb to Nov of 1981 and came up with the following. It really doesn't prove anything but I thought the members would find it interesting."

The first number indicates the number of contributors. The second number is total contributions...

1	4	2C	Drake	8	17	NC-98	
11	21	5-151-1A	Collins	2	8	NC-190	National
1	5	9R-59D	Kenwood	10	51	NRD-505	Japan Radio
1	1	51J-3	Collins	15	33	NRD-515	Japan Radio
4	4	51J-4	Collins	4	5	NRD-505/515	
7	26	412	Sears	1	1	Normende	
2	8	5100		7	32	Pat-9	Radio Shack
2	3	A-2515		10	40	R-4	Drake
5	12	AX-190	Radio Shack	11	18	R-4B	Drake
1	1	BCR-101	Lafayette	3	3	R-4C	Drake
3	7	124	Bush Ebbs	18	67	R7/DR7	Drake
2	4	CRF-1	Sony	2	2	R7/NRD515	
2	4	CRF-5100	Sony	1	1	R-100	
14	18	DR-7	Drake	6	6	R-300	Kenwood
8	9	DR-22	McKay Dymek	1	6	R-390A	Collins
2	4	DR-33	McKay Dymek	7	15	R-392	Collins
2	12	DX-100	Radio Shack	124	375	R-1000	Kenwood
3	4	DX-150A	Radio Shack	7	7	R-1530	Galaxy
34	103	DX-160	Radio Shack	3	9	RF-085	Panasonic
1	1	DX-190	Radio Shack	2	8	RF-1150	Panasonic
2	9	DX-200	Radio Shack	1	4	RF-2000	Panasonic
88	282	DX-300	Radio Shack	28	72	RF-2200	Panasonic
52	181	DX-302	Radio Shack	43	111	RF-2600	Panasonic
2	2	DXR-2		54	132	RF-2800	Panasonic
5	5	EC-958		12	43	RF-2900	Panasonic
5	21	8307	Eddy	12	32	RF-4800	Panasonic
6	14	FR-4900	Yaesu	9	18	RF-4900	Panasonic
4	11	FR-6600JW	JVC	3	6	RP-8880	Sanyo
252	647	FRG-7	Yaesu	2	2	SLJ4	
103	332	FRG-7000	Yaesu	1	2	SAT-2000	Grundig
20	71	FRG-7700	Yaesu	9	13	SB-310	Heath
7	28	GPR-90	Tech Meterial	1	1	SP-600	Hammarlund
1	1	GR-78	Heath	39	58	SPR-4	Drake
10	21	HQ-100	Hammarlund	20	37	SSR-1	Drake
7	11	HQ-129	Hammarlund	8	21	SW-717	Drake
4	4	HQ-145A	Hammarlund	1	1	SX-43	Hallicrafters
20	39	HQ-180	Hammarlund	3	9	SX-73	Hallicrafters
12	28	HQ-180A	Hammarlund	1	1	SX-99	Hallicrafters
3	3	HQ-200	Hammarlund	1	1	SX-100	Hallicrafters
7	36	HRO-50-T1	National	15	23	SX-190	Radio Shack
17	51	ICF-2001	Sony	14	48	XCR-30	Barlow Wadley
13	40	ICF-5900W	Sony				
17	42	ICF-6700W	Sony				
4	4	ICG-6800W	Sony				

Thanks Bill for that timely bit of information. It will indeed be interesting to take a look at this list 5 or 10 years from now to see which receivers "made it" and which didn't! I'll bet a lot of the old standbys (HQ-180, SP-600, R-390, etc) will still be around!

RADIO VANUATU

Q. S. L.

FORMERLY RADIO NEW HEBRIDES
ANCIENNEMENT RADIO NOUVELLES HEBRIDES



Head of slit Gong (Tam Tam)
from Ambrym Island;
used in village to village communications
and in custom ceremonies.

To *JOHN W. WALKINS*
of *SHEAR-RIDGE COL.*

I AM PLEASED TO VERIFY YOUR
RECEPTION OF THIS STATION

AT G.M.T. *0815* DATE *30.4.81*

ON 1125, 3945, 7260 KHz

B. Harrison

For RADIO VANUATU
P.O. Box 49,
PORT VILA
VANUATU (NEW HEBRIDES).

Via Henry Lazarus



Radio Difusora "SAN MARTIN" S.A.



UNA VOZ Y UN SONIDO PARA UN PERU MAS UNIDO

ONDA
MEDIA
1130 KHz

ONDA
CORTA
4810 KHz

F. M.
97.5 MHz

con tu preferencia y sintonía... seremos tu eterna compañía!!!

TARJETA DE VERIFICACION .

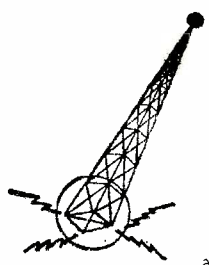
Confirmamos su reporte de fecha:
21.5.81 de nuestra emisora.
Onda Media YVOR 1.180 Kcs. Onda
Corta YVQH 5.040 Kcs. El mismo
es correcto y conforme a nuestra
programación.

Siempre a sus órdenes.

Atentamente
Carmelo Resplander

C. A. RADIO MATORIN

Matorin, Venezuela 4 de 6 de 1981-



Via Chris Lobdell

WORLD SERVICE STATION SKEDS

ÉMISSIONS

PROGRAMMI

Editor:

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BULLETIN DE PROGRAMMES

CHRIS LOBDELL

PROGRAMS

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Deadline: 12th

COMUNICATI NEL CORSO

Hello friends, here we are again for another editon of SPEEDX's STATION SKEDS. We are now well into the D82 broadcasting period which will remain in effect until the first Sunday of March 1983. We in the northeastern USA were blessed with some nice Indian Summer for the last few weeks, but it looks like it's over now. Those cold winds are rattling the window panes. Better put the air conditioner and the lemonade away, hi. It's time for hot cider.

Unless otherwise stated, schedules are for English programs, times are in UTC (GMT). Skeds credited to the BBCMS are copywrited by the BBC's World Broadcast Information Division and are used by permission.

AFGHANISTAN. Radio Afghanistan sends along this sked.

1000-1030 6230, 15255, 21460

1900-1930 9665, 11960, 15077

Transmitters on 6230, 15077 are from Afghanistan, the rest are USSR relays.

(C. Stark)

ARGENTINA. RAE (Radiodifusion Argentina Al Exterior) in Buenos Aires sends this sked, effective September 1st.

0100-0130 6060 The Americas

6180 "

9690 "

11710 "

0230-0300 ditto "

0430-0500 " "

1100-1130 11710 Far East

1930-2000 15345 Europe, Africa, ME

2230-2300 11710 The Americas

(R. Fraser, C. Stark)

BULGARIA. Radio Sofia has this winter schedule which became effective on October 31st.

1930-2000 9700 Europe

11720 "

2130-2200 7115 "

9665 "

9700 "

2230-2330 9700 North America

11720 "

0000-0100 9700 "

11720 "

BULGARIA: CONTINUED.

0400-0500 7115 North America

0730-0800 9700 Europe

15110 "

(D. McCants.)

CHINA (PEOPLE'S REPUBLIC): Radio Peking has the schedule to the Americas, effective October 30th.

0000-0100 11650 ECNA

15120 "

15520 "

0100-0200 11650 "

15120 "

15520 "

0200-0300 11650 "

15120 "

0300-0400 11650 WCNA

15120 "

15520 "

0400-0500 11650 "

15120 "

1200-1300 9820 ECNA

(R. Hecht, C. Radtke, D. Stewart"YM")

ECUADOR. Radio Station HCJB, The Voice Of The Andes has this D82 schedule.

0030-0700 9745 North America

0030-0500 15155 "

0030-0200 17885 "

0030-0130 15175 "

0500-0700 6095, 11915 "

0700-0830 9720, 11835 Europe

0700-1030 9745 South Pacific

0700-1100 6130 "

11925 "

ECUADOR: CONTINUED

1200-1430	11740	North America
1200-1530	15115	The Americas
	17890	"
1730-1800	17825	Europe
	21480	"
1900-2000	17825	"
	21480	"
2130-2200	15295	"
	17825	"
	21480	"

(K. Krist, W. Muzyka)

EGYPT. Radio Cairo, undated sked to North America.

0200-0330 9475, 12000
(B. Reinecker.)

FINLAND. Radio Finland in Helsinki has this D82 sked.

0800-0925*	15265	Europe
0930-0955	6120	"
	11755	"
	15265	"
0800-0955	21465	Far East/Australia
0930-0955	21465	"
1200-1225@	15400	N. America/ME
	21475	"
1300-1325@	15400	"
	21475	"
1330-1525*	15400	"
	21475	"
1400-1425@	15400	"
1500-1525@	15400	"
	21475	"

1400-1425@ 25950 S. America/W. Afr.

Exceptions: FAR EAST-AUSTRALIA:

There is no transmission every 2nd Monday; MIDDLE EAST-NORTH AMERICA:

The 13 meter band outlet not

available between 1200-1425 every 2nd Monday; SOUTH AMERICA-WESTERN

AFRICA: No transmission every 2nd Monday.

* = Sunday only

@ = Monday thru Saturday.

(W. Muzyka, M. Pfeffer, L. Burke)

HUNGARY. Radio Budapest has this current schedule. To North America.

0200-0230*	6025, 9585, 9835, 11910, 15220, 17710
0300-0330	6025, 9585, 9835, 11910 15220, 17710
0400-0415@	6025, 9585, 9835, 11910, 15220, 17710

* = Tuesday thru Sunday.

@ = Wednesday and Saturday

(R. Hesch, M. Pfeffer, C. Stark)

INDIA. All India Radio in New Delhi has this S82 sked. Sorry, but this is the most current one on hand.

1000-1100	15205	Australia-NZ
	15320	Northeast Asia
	17387	"
	17705	Australia-NZ
	17875	"
	21695	Northeast Asia
1330-1500	11810	Southeast Asia
	15335	"
1745-1830	9595	Western Asia
	11620	"
1800-2000	11830	East Africa
	15265	"
1845-2230	9665	UK/Western Europe
	11620	"
1945-2045	9755	West/N. West Africa
	11865	"
2000-2230	9912	UK/Western Europe
2045-2230	9912	Australia/N.Z.
	11755	"
	15110	"
2245-0115	7215	East/Southeast Asia
	9605	"
	11765	"
	11900	Northeast Asia
	15110	East/Southeast Asia
	15330	Northeast Asia
	17805	"

(C. Stark)

ITALY. Radio Tele-Pace in Verona has this schedule. Programming is in Italian.

1700-2000	15460	South America
2000-0600*	15460	"

* = Identification tape only.

(R. Fraser.)

KOREA (North): Voice of the Revolutionary Party For The Reunification

1400-1430	4120
	4557
2230-2300	4120
	4557

(R. Famularo.)

NORWAY. Radio Norway International in Oslo has this D82 schedule.

1000-1030	6015	North Europe
	9590/11870	New Zealand
	21700	Australia
	25730/21730	Far East/NZ
1300-1330	6015	North Europe
	9590	ME/ East Africa
	25730	Africa/Medit.
	25615/21730	W. Europe/Africa

NORWAY: CONTINUED:

1400-1430 6015 N. EUROPE
 21700 WCNA
 25730/21730 N. America
 26030/17830 S. America
 1600-1630 6015 N. Europe
 21725 ME/E. Africa
 25615 Medit./Africa
 25730/17875 W. Europe/Af.
 1700-1730 6015 N. Europe
 15175 WCNA
 25615/21700 N./C. America
 25730/21730/17830 S. America
 1900-1930 6015 N. Europe
 9590/11840 N. Pacific
 11870/11735 Far East/NZ
 15175/11850 N. Pacific
 2000-2030 6015 N. Europe
 11850 C. America
 15175/17875 South America
 15225 W. Eur./SAm
 2300-2330 6015 N. Europe
 9590/11870 Far East/NZ
 9610/11850 Australia
 11860/15175 "
 0000-0030* 6015 N. Europe
 9610/11860 C. America
 11850/11760 S. America
 11870/15175 Eur./S. Am.
 0400-0430* 6015 Europe
 9590/9685 WCNA
 6185/9675 "
 9610/6030 Far East/NZ
 0500-0530* 6015 Europe
 11870 Medit./Africa
 15175 ME/E. Africa
 15185/17715 Middle East

The English program is broadcast on Sunday (* = Monday GMT) only. Where more than one frequency is listed, try both.
 (M. Chinsky, F. Fraser)

OMAN. Radio Oman in Muscat sends this schedule, current as of October 9th.

0200-0600 9510 Arabic
 0600-0800 15105 "
 0200-0800 11890 "
 0900-1100 11890 English
 15105 "
 1100-1500 11820 Arabic
 1100-2130 11890 "
 1500-1600 9655 "
 1600-2130 9510 "
 (C. Stark)

HAPPY BIRTHDAY JESUS, HAPPY NEW YEAR TO ALL !!!!

SWEDEN. Radio Sweden in Stockholm has this D82 schedule to the Americas.

0230-0300 9695
 11705
 1400-1430 21615
 2300-2330 9695
 11705
 (Direct.)

SOUTH AFRICA. Radio RSA has this current schedule. Sorry it's out of order!

0200-0257 5980, 9615, 11730,
 15325 To North America
 (G. Duncan)

USSR. Radio Moscow has this North American Service schedule.

EASTERN NORTH AMERICA

2300-0100 7.11*, 7.15*, 7.16*, 7.19***,
 7.21*, 7.44*
 9.53**, 9.61, 9.71**, 9.76,
 9.80*
 11.78**, 11.86**, 11.96**,
 12.01**, 12.05
 15.14, 15.45, 17.72, 21.56
 0000-0100 6.11
 0100-0300 6.11
 7.11*, 7.15, 7.16*, 7.19***,
 7.21*, 7.44*
 9.61, 9.70, 9.71**, 9.76,
 9.80*
 11.78**, 11.86**, 11.96**,
 12.01**, 12.05
 15.14, 15.45, 17.72, 21.56
 0200-0300 7.13*
 0300-0400 6.11
 7.11*, 7.13*, 7.15, 7.19***,
 7.44*
 9.58, 9.61**, 9.70, 9.76,
 9.80*
 11.86**, 11.96**, 12.01**,
 12.05
 15.14, 15.45, 17.72

WESTERN NORTH AMERICA

0400-0500 7.26*, 9.58, 9.73*, 12.05,
 12.01**, 15.14, 15.24, 15.45,
 15.47**
 0500-0700 15.24
 0500-0800 7.17*, 7.26*, 9.50*, 9.58,
 9.73*, 9.79, 11.71**, 11.75**,
 12.01**, 15.47**

* = Till March 5; ** = from March 6th.

*** = till December 31st.

Radio Moscow rounds off freqs, so 7.26 could be either 7.265 or 7.260.
 (J. Berri, M. Chinsky, M. Eramo,
 D. Ewing, W. Muzyka, M. Pfeffer,
 F. Welch)

UTILITY SCENE

EDITOR: MIKE CHABAF
6171 E. Bellevue #19
Tucson, AZ 85712

DEADLINE:
12th Day of
the Month

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.....

Hello Gang! The first installment of the SRGU was entrusted to the tender loving hands of the US Postal Service on 01 Nov 82. So the beast is at last on the move. Check the Speedx bulletin for a price & availability notice.....

*** Our own LWH-TX will be authoring the SRGU HF Space/Satellite Primer. Larry wants to flesh out his primer, and is seeking info on the following: (a) HF freqs monitored versus spacecraft system/xmsn modes. (b) successes in decoding telemetry signals... (c) monitoring of Russian Cosmos and PRC satellite systems (freqs, monitoring times, xmsn modes, etc)... (d) is anyone working on a freq chart, or has done research involving the NON-VOICE Russian sat/ground comms in the 19 to 20.5 MHz range? If so your input would be appreciated.... (e) shack setup of any active Satcomms buff - rigs, antennas, and any special gear used to monitor, voice, CW, RTTY, FAX, etc. Address ALL data to

Larry Van Horn
SRGU Space Project
1111 North Garzier Parkway, Apt B-107
Grand Prairie, TX 75050

If you wish to get on the horn and discuss space systems with Larry, he can be reached after 1900 CST at: (214) 642-8407 (NO collect calls)

By the way, Larry is the Space Comms editor for RCMA..... Heavy input this month, so lets get into the loggings....

**** NORTH AMERICA ****
 BER.: 16947 C 1835 VRT- C&W Hamilton v mkr (SPH-GA)
 CAN.: 3001 U 0420 VFG- Gander Aero - VOLMET b/c (SS-NJ)
 5097 C 2330 CPH- CANMIL Halifax - tic list (TJY-MD)
 5703 U 0442 ANAPOLIS wkg Shearwater Military (GHS-IL)
 5803 U 1346 Hay River - river nav b/c (DM-AIB)
 8440 C 0640 VOS- Halifax MARCO - v mkr (JEB-GA)
 8453 C 0150 VAI- Vancouver CGR wkg GOVG (JEB-GA)
 8696 C var. CPH- CANMIL Halifax- CQ/QSX mkr (LM-VA) (JEB-CB)
 8868 U var. VFG- Gander - VOLMET b/c (RF-NA) (PAG-NC)

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... 3-A3H...

8910	U 1649	AIR CANADA 879 wkg Gander Aero (JR-ND)
8938	U var.	SINGAPORE 12, AIR CANADA 16, JAPAN AIR 60 wkg Anchorage Aero (JDM-WN)
8938	U 0042	PAN AMERICAN 443 wkg Resolute Bay Aero (JDM-WN)
8945	U var.	SPEERBIRD 88, AIR FRANCE 066 wkg Gander Aero (JDM-WN)
8945	U var.	AIR FRANCE 112, LUFTHANSA 515, IBERIAN 946 wkg Santa Maria Aero (JDM-WN) (GHS-CA)
8959	U 0150	IBERIA 942 wkg New York Aero (JDM-WN)
8964	U var.	MAC 40634, MAC 60261 wkg Hickam Aways (JDM-WN)
8980	U 1934	CG 1419 wkg CGAS Savannah GA (BLA-PA)
8984	U 0101	CG 1602 wkg CG Kodiak AK (JDM-WN)
8984	U 0058	CG 2112 wkg CG New Orleans LA (JDM-WN)
8989	U 0004	MAC 90005 wkg McClellan Aways (JDM-WN)
8989	U 0358	MAC 50252 clg Elmendorf Aways (HBC-CA)
8989	U 0343	MAC 67953 wkg MacDill Aways (GHS-IL)
8993	U var.	TEAL 07, CG 2116 wkg MacDill Aways (JDM-WN)
8997	U 0456	MAC 50220 wkg McMurdo center (GHS-IL)
9001	U 0055	CUBANA 160 wkg SS Boyeros Control (RUL-CA)
9003	U 2217	ROYAL JORDANIAN 813 wkg Amman Ops (RJI-GA)
9006	U 0327	CANADIAN MILITARY 6471 wkg CANMIL Labr (GHS-IL)
11233	U var.	CANMIL 306, CANMIL 6186 wkg CANMIL Trenton (GHS-IL)
11246	U 0344	MAC 67953 wkg MacDill Aways (GHS-IL)
11300	U var.	LIMA JULIET 7233, PORTUGUESE 156 wkg Khartoum (JDM-WN)
11300	U 0039	ZIMBABWE 129 wkg Tripoli Aero (JDM-WN)
11300	U 0254	IBERIA 968 wkg Nairobi Aero (JDM-WN)
11387	U 1810	AMERICAN 635 wkg New York Aero (HDT-WV)
11396	U 1305	MAC 70165 wkg Panama Aero (RJI-GA)
13244	U 1546	CG 1504 p/p CG Portsmouth via MacDill Aways (GRW-OH)
13282	U 2153	JAPAN AIR 61 wkg San Francisco Aero (HCB-WA)
13300	U 0435	SOUTH PACIFIC 401 wkg Honolulu Aero (RBC-CA)
13300	U 0540	SCANDINAVIAN 989 wkg Tokyo Aero (RBC-CA)
13300	U 0411	EMPRESS 312 wkg Nandi Aero (RBC-CA)
13304	U 0236	ZIMBABWE 124 wkg Tripoli Aero (JDM-WN)
13304	U 0242	ANGOLA 6521 clg Kano Aero (RBC-CA)
13336	U var.	SINGAPORE 2, WESTERN 532 wkg San Fran Aero (JDM-WN)
13348	U 0035	a/c 801 wkg Narita (tokyo) Aero (JDM-WN)

CAN.: 10945 C 0311 CPH- GANWIL Halifax - ZMR/QSX (TJY-MD)
 17174.2 C 2106 VAI- Vancouver CGR - V mkr (LM-VA)
 4268 C 0130 XFK- La Paz MARCO - CQ mkr (GLT-NM)
 4290 C 0446 XFU- Vera Cruz MARCO - CQ mkr (SN-TX)
 8471 C 1825 XFL- Mazatlan MARCO - CQ mkr (JEB-CA)
 8690 C 0605 XFS2- PEMEX Madero MARCO- CQ mkr (SPH-CA)
 12675 C 2320 XFK- La Paz MARCO - CQ mkr (JEB-CA)
 12844 C var. XFC- Comuel MARCO - CQ mkr (AM-UK) (RMA-IA)
 2451 U 1757 WOU- Boston MAROP wkg Global Cape Ann (ML-ME)
 2507 U 1800 WOU- Boston MAROP wkg Donna Lynn (ML-ME)
 2670 U 0600 NMG- CG New Orleans - NTM b/c (TM-AL)
 3001 U 0400 WSY7- New York Aero - VOLMER b/c (SS-Nu)
 4043.7 C 0112 WSL- Amagansett MARCO - CQ mkr (TJY-MD)
 4400 U 0001 WLO- Mobile MARCO - marine WX (KW-VA)
 5013 L 1215 WUB- USACE Baltimore - WX/dams b/c (RMH-NY)
 6218 U 1208 WDC- Greenville MS cig Jessie Brent (JRU-MS)
 6220 U 1311 KGW37 Philadelphia wkg WY2527 Freedom (GLD-NC)
 6221 U 1145 WJW-Q7H? wkg Steel Courier & Mister R. (JRG-MS)
 6500 C 0350 WLO- Mobile MARCO - DE/RTTY mkr (LJT-IL)
 6504.5 C 2346 WCG- Chatham MARCO - DE/Ship TLX mkr (IK-UK)
 6715 L 1708 APF3- Andrews AFB wkg Air Force One (GHS-IL)
 6715 L 0224 APF3- Andrews AFB wkg SAM 41681 (CCP-CO)
 6738 L 1450 APF3- Andrews AFB wkg SAM 27000 (CCP-CO)
 8293 U 0619 WBE- Jacksonville MARCO wkg Simone (RM-AZ)
 8573 C 2300 NMC- CG San Francisco - CQ/QSX mkr (JEB-CA)
 8618 C 1636 KPG- San Francisco MARCO - V mkr (SP-CA)
 8772 U 2236 San Diego ICSEB wkg USS Constellation (CCP-CO)
 8790.2 U 0155 WLO- Mobile MARCO - tlc list (HCB-WA)
 8868 U var. WSY7- N. Aero - VOLMET (PAG-NC) (DOR-CA)
 10427 U 1915 APF9- Scott Awws wkg Calceco (KCB-KS)
 10637 C 2309 KAN5- USDOS Wash DC - coded tlc (TJY-MD)
 11118 U 2332 APF3- Andrews AFB wkg Air Force One (GHS-IL)
 11239 U 2202 AP12- McClellan Awws wkg MAC 50242 (MWJ-ID)
 11249 U 1725 AP13- Andrews AFB wkg Air Force One (CCP-CO)
 12022 C 0245 KKN5- USDOS Wash DC - QRA/QSX mkr (JEB-CA)
 12135 C 1230 NAM- NOS Norfolk VA - WX b/c (RWA-IA)
 12429.2 U 1355 VYR416- Pensacola wkg Ocean Voyager (RMA-IA)
 12700 C 2330 NIK- CG Boston - CG/AMVER mkr (JEB-CA)
 12869 C 2225 WNU54- Sidelall MARCO - CQ mkr (JEB-CA)
 12951.9 C 2050 WHE- Baltimore MARCO - V mkr (LM-VA)
 12970 C 2343 WOE- Lantana MARCO - V mkr (TJY-MD)
 13024 C 0020 WSL- Amagansett MARCO - wkg Theodore Green (JEB-CA)
 13097 C 2312 WCC- Chatham MARCO - DE mkr (PAG-NC)
 13098 C 0237 WLO- Mobile MARCO - DE/RTTY mkr (MWJ-ID)
 13215 L 2354 APF3- Andrews AFB wkg CROWN (GHS-IL)

13826 U 0109 MAC 50230 wkg NNNQMR Palmer Station (JR-ND)
 17995 U 1544 CANADIAN MILITARY 6529 wkg GANWIL Trenton (RAC-VT)
 18002 U 1930 MAC 00138 wkg McClellan Awws (HCB-WA)
 18019 U 1935 MAC 50624 wkg MacDill Awws (HCB-WA)

**** TACTICAL ****

3494 U 0432 WOLFPACK cig any station (GHS-IL)
 5696 U 2336 NOVEMBER WHISKEY 446 (USN helo) wkg NMF (RJJ-CA)
 5700 U 2310 SAM 26000 p/p Andrews Metro via Andrews AFB (NLR-KS)
 5703 U 0436 ANAPOLIS cig GANWIL 2431 (GHS-IL)
 5897 U 0030 CONDOR wkg EMPIRE (LJS-CO)
 5897 U 1155 WHISKEY 5 OSCAR wkg LIMA 0 VICTOR (RMH-NY)
 6506.4 U 2311 NOVEMBER 9 UNIFORM wkg CG San Francisco (JR-ND)
 6506.4 U 1215 ALFA 6 XRAY wkg CG Kodiak AK (JDM-MN)
 6506.4 U 1237 HOTEL 5 ROMEO wkg CG San Francisco (JDM-MN)
 6506.4 U var. LIMA 9 ALFA, HOTEL 9 PAPA wkg CG Kodiak AK (JR-ND)
 6513 U 1307 VICTOR 5 GOLF wkg 6 LIMA (LJS-CO)
 6683 L 2215 ADVANTAGE r/c with Andrews AFB MD (GHS-IL)
 6683 L var. AIR FORCE 1 wkg Andrews AFB (JDM-WN) (RAL-OH)
 6683 L var. AIR FORCE 2 wkg Andrews AFB (GHS-IL) (JHA-LA)
 6693 U 1339 CROSSOUT wkg BRAVO BRAVO 514 (CCP-CO)
 6715 U 1800 AIR FORCE 1 p/p AF Ops Center via Andrews (GHS-IL)
 6715 U 1449 AIR FORCE 2 wkg Andrews AFB MD (RAL-OH)
 6721.5 U 0334 KILO 3 WHISKEY wkg KILO 9 QUEBEC (JDM-MN)
 6723 U 0323 BEAVER wkg WARCHIEF (CCP-CO)
 6756 U var. SAM 27000 wkg Andrews AFB (GHS-IL) (RAL-OH)
 6756 U 0244 PEWEE wkg Andrews AFB MD (RAL-OH)
 6756 U 0219 TIP 25 wkg Andrews AFB MD (RAL-OH)
 6756 U 1200 CHALLENGE wkg Andrews AFB MD (RAL-OH)
 6756 U 1224 SAM 31682 wkg SAM 01 (RAL-OH)
 6761 U 0623 SIDESHOW wkg SURMISE (PEF-SC)
 6910 U 0114 BRAVO 66 wkg BRAVO 48 (GHS-IL)
 7527 U 0231 RAMPART cig HOMEFLATE (GHS-IL)
 8294.2 U 1227 5 ECHO ECHO r/c with 6 TANGO YANKER (RMA-IA)
 8964 U 1208 WHISKEY LIMA 897 p/p via Hickam Awws (RAL-OH)
 8969 U 0223 JULIET XRAY 847 wkg Elmendorf Awws (JR-ND)
 8989 U 2019 LIMA CHARLIE 86 wkg MacDill Awws (TPS-NY)
 8989 U 0410 WOLFPACK r/c with McClellan Awws (GHS-IL)
 8989 U var. HI FI 10, LUCK 70, SINGE 50, KING 32 wkg McClellan Awws (JDM-WN) (RBO-CA)
 8993 U 0254 IVORY 78 wkg Albright Awws (RAL-OH)
 9007 U 1423 AIR FORCE 2 wkg Andrews AFB MD (RAL-OH)
 9007 L 2353 SAM 26000 p/p CROWN via Andrews AFB (RJJ-CA)
 9009 U 1210 SAM 31682 wkg Andrews AFB MD (JDM-MN)
 9014 U 0246 NAVEL 24 wkg NAVEL 22 (RAL-OH)

USA: 16179.0 C 2130 NAM- NOS Norfolk VA - V/MQ mkr (JEB-CA)
 17116 C var. WNU45- Slidell MARCO - CQ/GSX mkr (JEB-CA) (TJY-MD)
 17236 U 0015 KWI- San Francisco MARCO wkg Vos 300 (WIS-ONT)
 17261 U 2245 WOM- Ft. Lauderdale MARCO wkg Q.E.2 (JM-NE)
 17408.6 U 1935 WMD- La Jolla MARCO wkg New Horizon (HCB-WA)
 18002 U 2143 APA3- Andrews AFB wkg Air Force Two (PAT-CA)
 18027 U 2110 AFA3- Andrews AFB wkg SAM 27000 (KCB-KS)
 18430 C 1745 WNU36- Slidell MARCO CQ mkr (JEB-CA)
 22419 C 2050 AFG49- USAF Colorado Springs - coded msg (TJY-MD)
 22458 C var. WNU46- Slidell MARCO - V mkr (TJY-MD) (JEB-CA)
 23075 C 2140 WFN23- New York wkg WUK39 (TJY-MD)

*** CENTRAL AMERICA ***
 PANA: 12874.5 C var. HPN66- Puerto Armuellés MARCO - CQ mkr (JEB) (JDM)
 13976.4 U 0143 AGA90- USAF MARS Howard AFB P/P AGA6HC (GRW-OH)
 15015 U 1535 AHF2- Albrook Alys P/P for MAC 50222 (CCP-CO)
 18019 U 1615 AHF2- Albrook Alys wkg CG 1414 (CHS-IL)
 18019 U 1703 AHF2- Albrook Alys wkg Match 82 (CCP-CO)

*** CARIBBEAN ***
 BARB: 12709 C 2120 SPO- Bridgetown MARCO - CQ mkr (DM-ALB)
 CUBA: 17165.6 C 0055 CIA- Havana MARCO - V mkr (TJY-MD)
 JAM.: 2182 S 0022 Kingston MAROP cLg SVES (FJO-OH)
 MART: 13031.2 C 2247 FUF - PF NAVRAD Ft. de France- t/c List (TJY-MD)
 16960 C var. FUF - FF NAVRAD - v mkr (SN-IX) (PAG-NC)
 NETA: 4334 C 0523 FJC- Curacao MARCO - CQ/GSX mkr (SN-TX)
 P.R.: 5692 U 0140 NWR26- CGAS Boronquen wkg CGAS Savannah (CHS-IL)
 8472 C 0515 NWR- CG San Juan - CQ mkr (JEB-CA)
 TRIN: 8440 C 0139 9TL- North Post MARCO - V mkr (JTC-MD)

*** SOUTH AMERICA ***
 ARGN: 6512.5 U 0813 G.P.R. - SS/OM/VN (DM-ALB)
 13165a U 0103 LPL- G.P.R. S SS/OM/VN (PAG-NC)
 17045.6 C var. LPLD46- G.P.R. V mkr (JDM-PA) (SN-IX)
 BRZL: 8855 U 0431 Brasilia Aero wkg Gilipper 440 (BRC-CA)
 12795 C 0135 PWG3- QJH?? - marine WX b/c (JR-ND)
 12979.5 C 0220 PPL- Belém MARCO - V mkr (GLT-NW)
 16984 C 0237 EPR- Rio de Janeiro MARCO - V mkr (PAG-NC)
 17160 C 0109 PPO- Olinda MARCO - V mkr (TJY-MD)
 4280 C 0528 CCS- Santiago NAVRAD - V mkr (SN-IX)
 CHI: 8771 C 0600 CCS- Santiago NAVRAD - V mkr (JEB-CA)
 COLO: 13087.2 C 2300 HKB- Barranquilla MARCO - V mkr (TJY-MD)
 17004 C var. HKB- Barranquilla MARCO - CQ/GSX (JDM-MN) (TJY-MD)
 ECUA: 7600 A 0230 HD210A- SPTS Guayaquil - (GLT-NW)
 8963 C 0230 HCG- Guayaquil MARCO - V mkr (TJY-MD)
 URGY: 16871.3 C 0050 CWA- Cerrito MARCO - V mkr (GLT-NW)

U 2330 BUTTERFLY wkg Andrews AFB MD (BLA-PA)
 U 1853 EXECUTIVE ONE FOXTR0T P/P via Andrews AFB (RAL-OH)
 U 1442 LOYAL SON P/P via Andrews AFB MD (RAL-OH)
 U 1425 SAM 86970 P/P CROWN via Andrews AFB (RAL-OH)
 U 0148 OVERRULE wkg ARIZONA PETE (CCP-CO)
 U 2019 HAPPY ANTELOPE wkg unid sta (IK-UK)
 U 2020 SAM 24127 wkg Andrews AFB (dpx) (GHS-IL)
 U 2003 AGAR. 22 cLg Cape Radio (CCP-CO)
 U 1223 TWO OSCAR wkg ZERO SIERRA (RAL-OH)
 U 1917 BALLOON wkg HEAD MASTER (CCP-CO)
 U 2350 UNIFORM 30 wkg GOLF 8 PARA (LJS-CO)
 U 0314 BELT LOOP wkg FUR COAT & JITTERY (RAL-OH)
 U 0325 MAGKINAW wkg BITTER (RAL-OH)
 U 1530 SAM 27000 wkg SAM 26000 (RAL-OH)
 U 1855 PROTECT wkg ?? (RLR-KS)
 U 1849 AIR FORCE TWO r/c with Andrews AFB (RLR-KS)
 L 0203 SAM 24130 P/P via Andrews AFB MD (RAL-OH)
 U 1452 AIR FORCE TWO wkg Andrews AFB MD (HDT-WV)
 U 1220 OTIS 15 wkg MacDill Alys (RAL-OH)
 U 1649 REACH 44 P/P via Scott Alys (GHS-IL)
 U 2000 ROMEO FOXTR0T 47 P/P via Scott Alys (GHS-IL)
 U 1840 BABE 71 P/P to Discard via Scott Alys (JDM-MN)
 U 0119 CATWAL wkg ASHWORTH (JDM-MN)
 U 0259 SCORCH wkg UNIT 270 (RAL-OH)
 U 1654 ADLAY 06 wkg OVERDUE & PROSEPER (CCP-CO)
 U 0117 SAM 31683 P/P via Andrews AFB (RAL-OH)
 U 0427 WOLFPAK r/c Yokota Alys (GHS-IL)
 U 1600 NAVY LINA DELTA 02 wkg MacDill Alys (LM-PA)
 U 1641 GULL 21 P/P Miami Monitor via MacDill (GHS-IL)
 U 1424 JOYCE 99 wkg MacDill Alys (BCW-VA)
 U 2310 AIR FORCE ONE wkg Andrews AFB MD (BLA-PA)
 L 0236 CRYPTO MAINTENANCE wkg A.F.72 via Andrews (GHS-IL)
 U 0240 AIR FORCE 2 P/P CROWN via Andrews AFB (RAL-OH)
 U 1220 SAM 27000 wkg CHALLENGE (RAL-OH)
 L 1215 ACROBAT wkg ALFA ALFA CHARLIE 2 (RAL-OH)
 L 1504 FOUL LINE wkg Andrews AFB MD (RAL-OH)
 L 1501 AIR FORCE 1 wkg Andrews AFB (RAL-OH)
 U 1720 HEADSET wkg BRIGHT GOLF (CCP-CO)
 U 1730 BOX 13 roll call with other BOY units (CCP-CO)
 U 1642 PROCESSOR wkg GILCHRIST (HDT-WV)
 U 1525 ALFA 6 OSCAR 05 wkg INDIA 4 SIERRA 04 (HDT-WV)
 U 1452 BRAVO TANGO 02 wkg XRAY JULIET 07 (RAL-OH)
 U 0113 ZULU 7 TANGO wkg CG San Francisco (JR-ND)
 U 2314 KATE 23 wkg Elmendorf Alys (JR-ND)
 U 1738 SAUSAGE r/c with PUSHBALL (CCP-CO)

VENE: 6100 A var. YVTO- SFTS Caracas (PAT-CA) (MP-NY) (GLT-NM)
 17141 C 1918 YVG- La Guaira MARCO - V mkr (SPH-CA)

*** EUROPE ***

BUL.: 8967 U 1453 Burgas Aero wkg unid RR a/c (IK-UK)
 22485 C 1657 LZM- Varna MARCO - V mkr (SB-CT)
 CYPR: 19057.6 U 1058 MKD- RAF Akrotiri wkg USN Naples (AM-UK)
 DEN.: 8146 C 0553 OVG- Frederikshaven NAVRAD- V mkr (TJY-MD)
 12918 C 0240 XGZ6- Lyngby MARCO - CQ mkr (JEB-CA)
 12328 C 0135 OVG8- Frederikshaven NAVRAD- V mkr (JEB-CA)
 ENG.: 6898 U 2340 BEC Daventry Feeder (TP-OH)
 7971 U 0313 BEC Daventry Feeder (ML-ME)
 10928.8 C 1645 CHQ30- AP London - QRA DE FIX (AM-UK)
 12894 C 0245 GXB3- Portlandhead MARCO - DE mkr (JEB-CA)
 13113 C 2045 GXB- Portlandhead MARCO - DE mkr (JEB-CA)
 15849 U 2020 BEC Daventry Feeder (JFC-MD)
 16956 C 0196 CHK- Portlandhead MARCO - DE mkr (PAG-NC)
 FIN.: 12670 C 0405 OFJ3- Helsinki MARCO - CQ mkr/tfc list (JEB-CA)
 12687 C 0125 OFJ4- Helsinki MARCO - call ltr mkr (GLT-NW)
 22396.7 C 1600 OFJ9- Helsinki MARCO - CQ mkr (HMA-IA)
 FRAN: 4328 C var. PFL2- St. Lys MARCO - CQ mkr (SN-TX) (TJY-MD)
 6421.5 C 0207 PFL3- St. Lys MARCO - CQ mkr (JDM-MN)
 8453 C 0145 HNW- Paris NAVRAD - V mkr (JEB-CA)
 8522.5 C var. PFLA- St. Lys MARCO - CQ mkr (HGI-TX) (JEB-CA)
 8802.6 U 0303 PFLM- St. Lys MARCO- FF/OM/VM (PAG-NC)
 22318 C 1628 PFS9- St. Lys MARCO - CQ mkr (SPH-CA)
 FRG.: 4010 A 1835 DFD21- Bonames PTP - CG/YL/WM/JC (PAG-UK)
 12763 C var. DAM- Norddeich MARCO - V mkr (JFC-MD) (JEB-CA)
 12953 C 0100 DFM- Usingen MARCO - V mkr (GLT-NM)
 17048 C 1917 DAF- Norddeich MARCO - V mkr (PAG-NC)
 HOLL: 8562 C 2132 PCH40- Scheveningen MARCO - V mkr (TJY-MD)
 IRE: 5533 U var. EIP- Shannon Aero- VOLMET (NJS-ONT) (KWK-VA)
 8833 U var. EIP- Shannon Aero- VOLMET (RF-WA) (JDM-VN)
 13312 U var. EIP- Shannon - VOLMET (KWK-VA) (HCB-WA) (LM-VA)
 ITALY: 7303 C 0518 IDB3- Rome NAVRAD- call ltr mkr (RHH-NY)
 86149.5 C 0135 ICB- Geneva MARCO - V mkr (GLT-NM)
 12975 C 0110 IQX- Trieste MARCO - V mkr (GLT-NM)
 8529 C 0350 IFR- Rogaland MARCO - CQ/GSX/MC mkr (JEB-CA)
 12728 C 0400 LGR- Rogaland MARCO - CQ/MC mkr (JEB-CA)
 POL.: 8482 C 1100 SPH44- Gdynia MARCO - DE mkr (PAG-UK)
 13793 C 1440 SON279- PAP Warsaw - Pol/NX (RAC-VT)
 PORT: 13003 C 2356 CTV- Monsanto NAVRAD - V mkr/tfc list (TJY-MD)
 SPAN: 4311.3 C 0339 EBA- Madrid NAVRAD - V mkr (TJY-MD)
 8618 C var. EDZ4- Aranjuez MARCO- CQ/GSX mkr (JEB-CA) (TJY-MD)
 8682 C 0331 EAD3- Aranjuez MARCO - CQ mkr (HGI-TX)
 SWED: 12879.5 C 2025 SAG- Goteborg MARCO - V mkr (LM-VA)

L 1458 AIR FORCE 2 wkg Andrews AFB MD (RAL-CH)
 U 2105 AVALANCHE setting up fifty with McAllellan Aways (CCP-CO)
 L 1408 AIR FORCE 1 wkg BUTTERFLY (RAL-OH)
 U 1930 KNOW 98 p/p RAYMOND 01 via MacDill Aways (GHS-IL)
 U 2104 SAM 31681 p/p ARCONAUT via Andrews AFB (BLA-PA)
 U 2138 MARINE 50515 p/p Andrews Metro via Andrews (GHS-IL)
 U var. SAM 86971, BAE 56, TANGO PAPA 312 wkg NY Aero (GHS-IL)
 L 2357 AGORBAT clg DELTA 4 LIMA (LJS-CO)
 U 1745 CONDOR 600 wkg BRONCO 03 (ALR-KS)
 U 2354 PATTERN wkg BELT LOOP (LJS-SS)
 U 1456 ALFA FOOTROT 219 wkg Albrook Aways (JDM-WN)
 U 1758 TOFFEE clg DORIS 11 on all freqs (CCP-CO)
 U 0400 TALIBONE with coded message (GHS-IL)
 U 1748 RAYMOND 27- return to base call for VOODOO 51 flight (CCP)
 U 1513 AIR FORCE 2 p/p GROWN via Andrews (RAL-OH)
 L 2006 SAM 24127 wkg Andrews AFB MD (GHS-IL)
 U 2339 LOBO 69 wkg MacDill Aways (LM-PA)
 U var. AIR FORCE 1 wkg Andrews (BLA-PA) (RAL-OH)
 U 0238 MARINE 24129 wkg Andrews AFB (RAL-OH)
 U 1402 BUTTERFLY wkg Andrews AFB (RAL-OH)
 U var. ATLAS wkg; OMAHA 40, FLINT 460, FLINT 453, FLINT 358, CONDOR 700, PANTHER, SHARK 627, SHARK 716, (GHS-IL) (BLA-PA) (RAL-OH)
 U 1350 SHARK 368 wkg SHARK 363 (RAL-OH)
 U 2205 SHARK 35 p/p MARLIN 395 via ATLAS (LM-PA)
 U 1621 UNIFORM 21 wkg PAPA 4 (RAL-OH)
 U 1730 HEAD DANCER METRO/BRAVO wkg RAYMOND METRO via MacDill (GHS)
 U 1356 WHISKEY 4 NOVEMBER wkg 3 OSCAR VICTOR (RAL-OH)
 U 1637 PINWHEEL clg DOOR 72 (GHS-IL)

***** NUMBERS/BEACON *****
 A 0218----- S/Y 4d (232) 31Oct82 (PAT-CA)
 5813 A 0230----- S/Y 4d 17Oct82 (JDM-MN)
 6920 A 0821----- S/Y 5d ATT 805-005 (433) 28Oct82 (PAT-CA)
 7740 A 2045----- E/Y 5d "end of info" (433) 12Oct82 (ML-ME)
 7969 C 0512----- --- 5d "186" ID 21Oct82 (CB-IL)
 9110 A 0315----- S/Y 5d (333) 25Oct82 (HDT-VN)
 9376 A 1635-0641 S/Y 5d Finalx2 (343) 05Oct82 (DCH-CA)
 10020 A 0630-0636 S/Y 5d ATT 831-85 (444) 07Nov82 (JEB-CA)
 11530 A 1807----- S/Y ?d Grupo 120 (444) 12Oct82 (HDT-WV)
 11619 A 0307----- E/Y 5d (355) 10Oct82 (LJT-IL)
 6804 C 0115 "0" beacon (COO-MD)
 12185 C 1310 "U" beacon (RMA-IA)
 14968 C 0432 "K" beacon (SN-TX)

1872.0 C 2015 HEB- Berne MARCO CQ mkr (JEB-GA)
 16980 C 1505 HEB- Berne MARCO V mkr (TJY-MD)
 22360 C 2043 HEB- Berne MARCO V mkr (TJY-MD)
 6730 A 2105 AKYubinsk Metro - RR/YL WX b/c (IK-UK)
 6730 A 2155 Baku Metro - RR/YL WX b/c (IK-UK)
 7540 U 2345 Radio Moscow Feeder (DKB-MA)
 8639 C 0512 UJY- Kaliningrad MARCO - CQ mkr (SPH-CA)
 9009 C 1505 Sverdlovsk VOLMET - RR/YL (JDM-WN)
 10093 U 0112 Novosibirsk VOLMET - EE/YL (HDT-WV)
 12693 C 0415 URD- Leningrad MARCO - V mkr (GLT-NM)
 12730 C 0846 UMV- Murmansk MARCO - V mkr (SK-CA)
 12797 C 2205 UDK2- Murmansk MARCO - RR msg's (RMA-IA)
 12856 C 0200 UBF2- Odessa MARCO - ID into RR t/c (JEB-GA)
 12973 C 0910 UJY- Kaliningrad MARCO - CQ mkr (SB-CT)
 13050 C 0401 UDK2- Murmansk MARCO - c1g 4L5 (JR-ND)
 14996 C 0540 RWM- SFTS Moscow - CW ID (SN-TX)
 16193 L 0059 Radio Moscow Feeder (GHS-IL)
 17020 C 0253 UDK2- Murmansk MARCO wkg 4L5 (JR-ND)
 17141 C 1908 UMV- Murmansk MARCO - DE/9SX mkr (SPH-CA)
 22314.1 C 1734 UJY- Kaliningrad MARCO - CQ mkr (LM-VA)
 22321.1 C 1700 UJY- Kaliningrad MARCO - V mkr (SB-CT)

***** AFRICA/MIDDLE EAST *****
 ALGE: 20149 C 1100 7R020- MPA El D-jazair - PF/NX to EMBs (AM-UK)
 ANGO: 8565 C 2310 D3E51- Luanda MARCO - CQ mkr (HGJ-TX)
 BRAN: 22781.5 C var. D3E51- Luanda MARCO - CQ mkr (GLT-NM) (JR-ND) (NMJ)
 CNRY: 22312 C 1656 A9M- Manama MARCO - DE mkr into t/c (SPH-CA)
 CONG: 20840 C 1608 Canarlas Aero wkg PP/Santa Maria Aero (IK-UK)
 GAMB: 8441 C 0608 CLP7- EMPACUBA Brazzaville- wkg CLP4 (AM-UK)
 ISRL: 8518.1 C 0120 C5G- Banjul MARCO - c1g GSK into t/c (SPH-CA)
 8694.4 C 0120 4XZ- Haifa NAVRAD - V mkr (GLT-NM)
 8694.4 C 0325 4XZ- Haifa NAVRAD - CQ mkr (HGJ-TX)
 13051.5 C var. 4XO- Haifa MARCO - CQ mkr (JEB-GA) (DM-A1B) (GLT)
 LIBE: 14474 C 0410 KKN44- USEMB Monrovia - c1g KWV54 (RMA-IA)
 MADE: 8461 C 0115 QJUB- Madaira MARCO - CQ mkr (GLT-NM)
 SAUD: 10936 U 2127 BSKSA Feeder (RUL-CA)
 SENEB: 13410 C var. 6WV- FF NAVRAD Dakar - V mkr (GLT-NM) (MWJ-ID)
 16951.5 C var. 6WV- FF NAVRAD Dakar - V mkr (GLT-NM) (PAG-NC)
 SOAF: 8470 C var. ZR02- Cape NAVRAD Simonstown- V mkr (SPH) (SF-CA)
 8566 C var. ZSU4- Cape NAVRAD Silvermine- CQ/tfc list (SPH-CA) (TJY-MD)

8605 C 0130 ZRH4- Cape NAVRAD F1sautekraal- X mkr (GLT-NM)
 8686 C 1616 ZSC- Capetown MARCO - CQ mkr (SF-CA)
 12697 C 0525 ZSG9- Capetown MARCO - V mkr (JEB-GA)

7000 L 0230 possible "Guerrilla" comms between two SS/OMs. Xmsn was soon buzz saw/siren jammed (RUL-RS)
 9010 L 0240 no IDs but another "fishing fleet" unit (RUL-RS)
 11605 C 1500 repeats of E 4 E (ux) with long dash (CGO-WD)
 14188 U 2326 Pirate b/c?? EE/OM doming USSR/USA/PRC (RUL-GA)
 20562 U 1809 "PASADENA" wkg unid Radio Telescope units (CCP-CO)
 25962 R 1335 HCX34- QTH? Hungarian EMB - RYS- 67??? (DLW-PA)

***** UNIDENTIFIED *****
 AFGN: 10859 1220 YAD4- Kabul PTP - tests to Delhi-66/425n (AM-UK)
 ALGE: 10483.5 var. 7XA- El D-jazair Air- wkg Cairo-66/850r (AM-UK) (RMA)
 ANTA: 12227.8 2330 NGD- USN McMurdo tests to FYJ3- 66/850n (AM-UK)
 ARGN: 13515 var. LRN22- SAPORITI SS/NX- 66/850n (KGB-RS) (RMA-FRAN)
 20518.5 1045 LOL- Buenos Aires NAVRAD- c1g ZRH- 100/850r (AM-UK)
 BRAN: 2847 2300 IMCOS Marine - CQ call 66/425r (AM-UK)
 6955 1745 A9M28- GNA Bahrain - AA/NX - 66/425r (AM-UK)
 BRZI: 17122.4 0007 FWZ33- Rio de Janeiro NAVRAD- RYS- 66/425n (TJY-MD)
 CNRY: 7439 0420 E4B- Las Palmas NAVRAD- RYS - 66/425n (KGB-RS)
 CAPE: 14508 1525 DKB- Sal Air - RYS to Lisbon - 66/??? (PAC-UK)
 CHIL: 22071.5 2150 CCS- Santiago NAVRAD- WX b/c 60/850n (TJY-MD)
 PRC.: 6900 1748 BA555- Beijing PTP - QRA mkr- 66/425n (AM-UK)
 10650 0015 BJ223- Hangzhou Metro - WX b/c 66/425r (AM-UK)
 17401a 2320 BBE52- Shanghai PTP - RYS - 66/425r (WTC-AZ)
 18396a 2340 BAK68- XINHUA Beijing - RYS - 66/425r (WTC-AZ)
 19758.1 1030 BQV- Baochun Air - coded msg - 66/850n (AM-UK)
 CONG: 10137 0118 TLM96- Brazzaville Metro - RYS- 66/850n (KGB-RS)
 CUBA: 14901 1908 CLM451- PL Havana - EE/NX - 66/425n (BLA-PA)
 18193 var. CLM603- PL Havana - EE/NX- 66/425r (TJY-MD) (ME-MA)
 21993 0020 KLA- Havana MARCO wkg URG - 66/850n (JEB-GA)
 CYPR: 11095 0255 MKD- RAF Akrotiri - RYS/FOX - 66/425r (RMA-IA)
 16148 2140 MKD- RAF Akrotiri - RYS/FOX - 66/425r (RMA-IA)
 CZEG: 20990 1148 MKZ- MPA Prague- msg to EMB Beirut- 66/425r (AM-UK)
 EGPT: 7755.5 2345 SUA34- MENA Cairo- RYS/FOX - 66/850n (TJY-MD)
 13653 ---- SUA50- MENA Cairo - QRA mkr - 66/425r (RMA-FRAN)
 17264.4 1620 SUI- Cairo Metro wkg 5NK Kano- 66/425r (RMA-FRAN)
 21863.3 1058 Pakistan EMB Cairo- msg to Islamabad-66/425r (AM-UK)
 ENG.: 9248 0112 GIG29B- AP London - EE/NX - 66/425r (TJY-MD)
 15948.9 2143 MKG- RAF London - FOXs - 66/425r (RMA-IA)
 21863.3 1055 Pakistan EMB London- msg to Islamabad-66/425r (AM)
 FRAN: 3157.7 0003 FDV- FF AF Paris - RYS - 66/425r (AM-UK)
 8023.6 1845 FTI2H3- AFF Paris- AA/NX - ??/??? (RMA-FRAN)
 12312 1130 FDV- FF AF Orleans - FOXs - 66/425r (AM-UK)
 16106.3 2330 FPQ- Diplo Paris- FF/NX- 66/425n (AM-FRAN)
 GDR.: 10440 1815 Y3A5- DF Berlin - RYS - ??/??? (RMA-FRAN)

SOAF: 12849 C 0508 ZSJ5- Cape Navrad Silvermine- CQ mkr (JEB-CA)
 22348 ZSC- Capetown MARCO - CQ mkr (SPH-CA)
 SUDN: 11300 U 0318 Khartoum Aero wkg Egypt Air 755 (GHS-IL)
 TUNI: 19360 C 1147 3VA- INTERPOL Tunis City FSB62 Paris (AM-UK)
 ZIRE: 13304 U 0247 Kinshasa Aero wkg FF/Brazzaville Aero (RBC-CA)

**** ASIA/PAR EAST ****

PRC.: 8502 C 1354 XSG- Shanghai MARCO - CQ mkr (HGI-TX)
 8663 XSG- Shanghai MARCO - CQ mkr (SF-CA)
 12871.5 C 0928 XSG- Shanghai MARCO - CQ mkr (SB-CT)
 16700a C 0350 XSG- Shanghai MARCO - ID mkr (SN-TX)
 16902 C 0045 XSG- Fangshan MARCO - CQ mkr (GLT-NM)
 17104 C 0415 XSG3- Shanghai MARCO - CQ/MC mkr (JEB-CA)
 HONG: 8903 U 1418 Hong Kong Aero - VOLMET b/c (CCP-EO)
 13021 C 1201 VFS66- Cape d'Agullar MARCO - DE/qSX mkr (MTC-AZ)
 17192 C 0030 VANS6- Cape d'Agullar MARCO - DE mkr (GLT-NM)
 8646 U 1224 VTP4- Vishakhapatnam NAVRAD - V mkr (RF-MO)

INDI: 5505 U 1224 Tokyo Aero wkg Japan Air 08 (CCP-GO)
 8437 C var. JOS- Choshi MARCO - CQ mkr (FAC-UK) (SF-CA)
 8479 C var. JCU- Choshi MARCO - CQ mkr (SF-CA) (HGJ-TX)
 8523.4 C 1415 JOR- Nagasaki MARCO - CQ mkr (HGI-TX)
 8547 C 0536 JFA- Matsudo MARCO - CQ mkr (SPH-CA)
 12674 C 0335 JOU- Nagasaki MARCO - CQ/qSX mkr (MTC-AZ)
 12943 C 0250 JNA- Tokyo NAVRAD - V mkr (JEB-CA)

JPAN: 13034 C var. JDC- Choshi MARCO - CQ mkr (JEB-CA)
 13064 C 0450 JJB- Nagasaki MARCO - CQ mkr (JEB-CA)
 16833 C 0237 JOU- Nagasaki MARCO - CQ mkr (JDM-WN)
 16999 C 0356 JDC- Choshi MARCO - CQ mkr (SB-CT)
 17029 C 0215 JMC6- Tokyo MARCO - CQ mkr (JDM-WN) (SB-CT)
 17043.2 C var. JCU- Choshi MARCO - V mkr (JDM-WN)
 17052.5 C 0215 JNA- Tokyo NAVRAD - V mkr (GLT-NM)
 22469 C 2345 JOR- Nagasaki MARCO - CQ mkr (JEB-CA)
 22463 C 2352 JOU- Choshi MARCO - CQ mkr (JEB-CA)

ROK.: 8577 C 1495 HLO- Seoul MARCO - CQ mkr (HGI-TX)
 12712 C 1440 HJW3- Seoul MARCO - CQ mkr (HGJ-TX)
 12845 C 0235 HLO- Seoul MARCO - CQ mkr (JEB-CA)
 13025 C 0205 HUX- Seoul MARCO - CQ mkr (GLT-NM)
 14484 U 1416 AEW4PT- USA MARS P/P via ARH5BL (GRW-OH)
 PHIL: 6440.9 C 1210 DZG- Ias Pinas MARCO - CQ mkr (GLT-NM)
 6453 C 1205 DZ3- Bulacan MARCO - CQ mkr (GLT-NM)
 8588 C var. DZ2- Las Pinas MARCO - CQ mkr (HGI-TX) (SF-CA)
 8605 C 1238 DZ3- Bulacan MARCO - CQ/qSX mkr (MTC-AZ)
 12906 C 1219 DZ3- Bulacan MARCO - CQ/qSX mkr (MTC-AZ)
 REUN: 4333 C 0140 FUX- FF NAVRAD - V mkr (GLT-NM)
 13215.5 C var. FUX- FF NAVRAD - Vmkr (JFC-MD) (DM-AIB) (JEB-CA)
 22499 C 1838 FUX- FF NAVRAD - V mkr (SPH-CA)

Y2V47- ADN Berlin - EE/NX - 66/425n (BLA-PA)
 Y7L36- MFA/2TD Berlin - Rys - 66/425r (MTC-AZ)
 ADN Berlin - EE/NX - 66/425n (RMA-FRAN)
 Y2V28- ADN Berlin - EE/NX - 66/425n (RMA-IA)
 CYU- RN Gibraltar - FOXs - 66/850r (KGB-KS) (FJO-OH)
 SWA- Athens Air - Rys to LGAT - 66/425r (AM-UK)
 SAMES1- Sweed EMB Blassau-wkg Stockholm-100/425n (AM)
 RNFLN- Sweed EMB NAVRAD-wkg PCB - 100/850r (AM-UK)
 HOLL: 2621.1 2355 JFA Jakarta - EE/NX - 66/425n (RMA-FRAN)
 HONG: 19327.5 0943 HCN92- AFP Hong Kong- EE/NX- 66/425r (KGB-UK)
 HUNG: 15670 1628 HCN36- MTI Budapest - SS/NX- 66/425r (AM-UK)
 INDI: 7943 1842 ATQ58- PTI Delhi - EE/NX - 66/425n (AM-UK)
 INDO: 19440 1140 MWD4- MFA New Delhi- clg EMB Belgrade-66/425n (AM-UK)
 19102.4 1700 MFA Jakarta - EE/NX - 66/425n (RMA-FRAN)
 19825 0807 8DZ5- ANTARA Jakarta - EE/NX - 66/425n (AM-UK)
 20403.5 1555 MFA Jakarta - msg EMB Jeddah - 66/425r (AM-UK)
 IRAQ: 13523.1 1815 IO171- INA Baghdad- EE/NX- 66/425r (RMA-FRAN)
 18987.1 1112 Pakistan EMB Baghdad to MFA Islamabad- 66/425r (AM)
 ISRU: 13447 2125 4XMA4- Bet Dagan Metro - Rys- 66/425n (BLA-PA)
 ITALY: 13412.3 1817 IRK24- IINA Rome- AA/NX - 66/425n (BLA-PA)
 15693.1 1940 ISX36- ANSA Rome - EE/NX - 66/425n (BLA-PA)
 20535 1940 ISZ25- SPA Rome - EE/NX - 66/425n (PJO-OH)
 IWRY: 9846 0055 TUH- ASEENA Abidjan - Rys - 66/425n (KGB-KS)
 JPAN: 5097.5 1615 JAB33- KYODO Tokyo - EE/NX - 66/425r (MTC-AZ)
 7402 1431 JMG3- Tokyo Metro - WX b/c - 66/425r (MTC-AZ)
 12071 0535 JAL32- KYODO Tokyo- EE/NX- 66/850r (JEB-CA)
 KEN.: 13366.4 2315 5YD9- Nairobi Air - wkg Addis Ababa-66/425n (IK-UK)
 13366.6 2015 5YD9- Nairobi Air- Rys/WX - 66/425n (RMA-IA) (JEB-CA)
 NOKO: 12176 0410 HNR23- KONA Pyongang- EE/NX- 66/425n (KGB-KS)
 KUMT: 15646.9 1755 KINA Kuwait- AA/NX - 66/425r (RMA-FRAN)
 LIBE: 15875 0035 5LA25- VOA Monrovia- EE/NX - 100/425n (KGB-KS)
 LEB4: 15461.5 1745 JANA Tripoli- FF/NX- 66/425r (RMA-FRAN)
 MALT: 3595 2358 9HA- Luqa Air - WX b/c - 66/425r (AM-UK)
 MART: 16106.5 2140 FZF61- AFP Ft.de France- FF/NX - 66/425r (TJY-MD)
 MONG: 10334.1 1720 JTD29- MONTSAMIE Ulan Bator- EE/NX-66/850r (RMA-FR)
 MROC: 10972 2300 VOA Tangier - EE/NX - 100/425n (MB-MA)
 15587.1 1600 MAP Rabat - FF/NX - 66/425r (JEB-IL)
 PAKI: 8074.2 0100 ARA- Karachi Air - WX b/c - 66/425n (AM-UK)
 14460 1650 ARA- Karachi Air - Rys/FOX- 66/??? (PAC-UK)
 PANA: 12859 1105 ASF32- MFA Islamabad msg EMB Cairo-66/425r (AM-UK)
 13371.5 1250 NFA- NCS Balboa - Rys - 100/850r (RMA-IA)
 PARA: 13373.2 1615 NFA- NCS Balboa - war games-100/850r (GB-IL)
 12266.4 0650 ZFN- Aununci on Air- Rys - 66/850r (AM-UK)
 POL.: 17600 1559 SOB266- PTP Warsaw - Rys - 66/425r (MTC-AZ)
 18995.1 1120 SOT299- PAP Warsaw - POL/NX - 66/425r (AM-UK)
 PORT: 9994 0112 CSZ- Lisbon Air - Rys - 66/850n (KGB-KS)

TTWN: 8444.0 C 1658 XSX- Keelung MARCO - CQ mkr (SF-CA)
 12866 C 1215 XSW- Keelung MARCO - CQ/QSX mkr (MTC-AZ)
THAI: 1310 Bangkok Aero - VOLMET b/c (JDW-MN)
 8273.5 C 1153 HSA4- Bangkok MARCO - CQ mkr (SF-CA)
 8684 C 1619 HSA - Bangkok MARCO - CQ mkr (SP-MO)
 13896.5 L 2339 Bangkok Air wkg (qpx) Singapore Air (IK-UK)

****** PACIFIC OCEAN ******
AUST: 6428.5 C 1215 VHP- Canberra NAVRAD - V mkr (GLT-NM)
 6676 U var. VLS- Sydney VOLMET - (JDW-MN) (DM-ALE) (CCP-CP)
 1387 U 1030 VLS- Sydney Aero - VOLMET b/c (JDW-MN)
 12290 U 2048 Radio Australia Melbourne Feeder (JFC-MD)
 12994 C 1228 VIP4- Perth MARCO - WX b/c (MTC-AZ)
 22486 C 0310 VHP7- Canberra NAVRAD - V/MC mkr (JEB-CA)
FIJI: 8690 C 0544 3DP3- Suva MARCO - CQ mkr into t/c (SPH-CA)
 13300 U 0440 JDM- Nandi Aero wkg Clipper 312 (RBC-CA)
FFPO: 12664.5 C 0130 FUN- FF NAVRAD Papeete - V mkr (GLT-NM)
 17380 C 0145 FUN- FF NAVRAD Papeete - V mkr (GLT-NM)
GUAM: 5505 U 1222 Guam Aero wkg MAC 40619 (CCP-CP)
 22527 C 0105 NRV- CG Guam (Barrigada) CQ mkr (GLT-NM)
HI... 5505 U 1223 Honolulu Aero wkg Clipper 842 (CCP-CP)
 5603 U 0833 Honolulu Aero wkg United 5515 (SK-CA)
 9051 C 0555 NMO- CG Honolulu - V mkr (JEB-CA)
NCAL: 13300 U 0310 Honolulu Aero wkg Japan Air 692 (HCB-WA)
 16960 C 0402 FUJ- FF NAVRAD Numea - V mkr (SN-TX)
NZEL: 22461 C var. FUJ- FF NAVRAD Numea - V mkr (GLT-NM) (JEB-CA)
 5915 C 0501 ZL220- Wellington Metro - CQ mkr (SPH-CA)
 7600 C 0525 ZL222- Wellington Metro - CQ mkr (JEB-CA)
 8505 C 0635 ZL34- Avarua MARCO - DB/QSX mkr (JEB-CA)
 8678 C 0610 ZLP2- Iirangi NAVRAD - V mkr (JEB-CA)
 8903 U 1051 Auckland Aero - VOLMET b/c (REC-CA)
 8997 U 0909 ZLK- Christchurch Aero wkg MAC 50230 (MTC-AZ)
 12546 C 0445 ZLB- Avarua MARCO - CQ mkr (JF-NB)
 12740 C 0515 ZLB5- Avarua MARCO - t/c with ? (JEB-CA)
 12944 C 1226 ZLP5- Iirangi NAVRAD - V/QSX mkr (MTC-AZ)
 13251 U 0357 ZLK- Christchurch Aero wkg MAC 59405 (GRS-IL)
 16875 C 0339 ZLO- Iirangi NAVRAD - DE/QSX mkr (SN-TX)
 17000 C 0355 ZLP2- Iirangi NAVRAD - V/QSX mkr (SN-TX)

****** ANTARCTICA ******
 8690 C 1218 FJY4- St. Paul & Amsterdam MARCO- V mkr (RP-MO)
 8997 U 1034 NFX- South Pole Sta wkg Xray Delta 04 (MTC-AZ)
 8997 U 0925 NQJ- Siple Station wkg Mac Center (MTC-AZ)
 8997 U 0912 NZDM- McMurdo Center wkg South Pole (MTC-AZ)
 8997 U 1027 (a/c) Xray Delta 02 wkg Mac Center (MTC-AZ)
 8997 U 0958 (a/c) Xray Delta 04 wkg Mac Center (MTC-AZ)

PORT: 14497.5 0115 CSZ48- Lisbon Air - RYs - 66/850n (TP-OH)
 13752 0115 Jeddah clg Addis Ababa - 66/425 (RMA-FRAN)
SAUD: 10407.5 0415 6VY57- ASEENA Dakar- RYs - 66/425r (RVA-IA)
 10408 var. 6VU- Dakar Air - RYs - 66/425n (JEB-CA) (TJY-MD)
 11525 0400 6VJ62- Dakar Air - RYs - 66/425r (RMA-IA)
SOMA: 12182.2 0410 60M- Mugdisho Air - RYs - 66/850n (GB-IL)
SPAN: 2787.7 2335 EBA- Madrid NAVRAD- MC mkr- 100/850r (AM-UK)
 6842 0439 EBA- Madrid NAVRAD- RYs - 66/850r (KGB-KS)
 8442 var. EBA- Madrid NAVRAD- RYs - 100/170n (PAC-UK) (TJY-MD)
SUDN: 15730.4 1800 SUNA Khartoum- AA/NX - 66/425r (RMA-FRAN)
 19463 1651 SUNA Khartoum - FF/NX - 66/425n (KGB-KS)
SURI: 12009 0030 FZP- Zanderij Air- RYs/WX bc 66/850n (AM-UK)
SWED: 20960 1200 MAF- MFA Stockholm- msg EMB Monrovia - 100/425r (AM)
TWN: 7695 1416 3MA22- CNA Taipei - EE/NX - 66/425r (MTC-AZ)
URGY: 6993 2329 CWK69- AP Montevideo- SS/NX - 66/425r (IK-UK)
USA: 20471.8 1600 CXR- Montevideo NAVRAD- DE mkr- 100/850r (AM-UK)
 6340.4 0455 NNM- CG Portsmouth wkg HZFI/HZLI-100/170r (RMA-IA)
 8462 1915 NMO- CG San Francisco- APRTS NX-100/425r (JEB-CA)
 13097.9 0243 WLO- Mobile MARCO- EE/NX (FEETOR) (FJO-OH)
 14853 1810 WBR70- Miami Metro- wkg WMBY - 100/425n (JEB-CA)
 17207 2255 WCO- Chatham MARCO- EE/NX (ARQTOR) (FJO-OH)
 23716.5 2147 WFG83- APP New York- FF/NX - 66/425n (TJY-MD)
USSR: 8082.1 1840 ROM5- Tashkent Metro- WX - 66/425r (RMA-FRAN)
 13331 0600 RD275- TASS Moscow - RYs - 66/425r (JEB-CA)
 14630 1855 RPT38- TASS Moscow- RYs - 66/?? (PAC-UK)
VJET: 7512 1426 XVP69- Hanoi Metro - RYs - 66/170r (MTC-AZ)
 10399 1514 VNA25- VNA Hanoi - EE/NX - 66/425r (MTC-AZ)
YUGO: 19440 1238 8W1- Indian EMB Belgrade- c/g New Delhi- 66/850r (AM)
ZIRE: 10300 1730 AZAP Kinshasa??- FF/NX - 66/425n (RMA-FRAN)
SHIP: 6940 0140 NHKW- CGC Confidence- NTM b/c - 100/425r (JEB-CA)
 8345 0408 FNEG- Champagne- wkg WLO (ARQTOR) (FJO-OH)
 22200.7 1030 USSJE- Kosmanavt- RYs - 66/170n (RMA-FRAN)

****** VLF/LW/MW ******
 265 C 0924 "P" Rio Grande, Argentina (RP-MO)
 290 C 0204 "CGC" Cayo Gaiman, Bahamas (RP-MO)
 319 C 1905 "TEC" Stavanger, Norway aero beacon (PAC-UK)
 353 C 0107 "FME" Tipton AF, Fort Meade, MD beacon (TJY-MD)
 371 C 0127 "FND" Ellilcot, MD beacon (TJY-MD)
 381 C 1952 "SPY" Spj- Amsterdam, Holland aero beacon (PAC-UK)
 396 C 0344 "ZBB" Blmini, Bahamas aero beacon (RP-MO)
 399.5 C 2036 "ONO" Oostende-Midker, Belgium aero beacon (PAC-UK)
 500 C 1418 "KQZ" Humber MARCO, England - CQ mkr (PAC-UK)
 1613 M 0643 "RAB" Rabinal, Guatemala aero beacon (SN-TX)

11552 U 0315 NHG- Palmer Station wkg ??? (DM-ALB)
 13385 C 0308 RUZU- Molodetzhaaya Base clg C 8 T (RAC-VT)
 13385 C 0314 UGEZ- Bellingshausen Base clg RUZU (RAC-VT)
 13973.8 U 0336 NNW@NB- USN MARS South Pole wkg NNW@ICE (DM-ALB)

***** SHIPS *****
 2382.0 U 0247 NBDB- USS DUNCAN clg San Pedro MAROP (JRI-MS)
 4410 U 1251 BEVERLY ANN wkg St. Louis MO IMWAR (CGF-CO)
 4637.5 U 0027 WRB669- LEXINGTON (drill rig) clg Rig 27 (RUL-GA)
 5680 U 0730 NNGR- CGC TAMARCA p/p Ops Center via NNN (ELA-PA)
 5680 m/v CORNERBROOK wkg NNN (with survivors from a ditched aircraft) (ELA-PA)
 5680 U 1550 NTEG- USS GUADACANAL wkg CG 1496, 1501 (ELA-PA)
 5680 U 1639 STAR SHIP 400 wkg USS Guadacanal (ELA-PA)
 5680 U 1658 NLKI- CGC WESTWIND wkg CGC Tamara (ELA-PA)
 6218 U 2216 WR9192- SUE EARL wkg WYB7499 Apache (EPF-TV)
 6292 C 1335 JHEB- SEKIROKAWO wkg VCS Halifax MARCO (RAC-VT)
 6292.5 C 1830 CGEP- (CANGOG) MARWAL wkg VCS Halifax (RAC-VT)
 6292.5 C 1835 CGGI- (GANGOG) BAFFIN wkg VCS Halifax (RAC-VT)
 6292.5 C 1347 CEOR- SANDVIKEN wkg VCS Halifax (RAC-VT)
 6200 U 0255 KGDB- BROOKLIN wkg CG Boston MA (JR-ND)
 6200 U 0319 NBVG- CGC UNIMAK clg CG Boston MA (JR-ND)
 6200 U 0233 HMS BARROW wkg CG Portsmouth VA (JR-ND)
 6200 U 0151 HMS POTTER wkg CG Portsmouth VA (JR-ND)
 6200 U 0616 NLKI- CGC WESTWIND wkg CG New Orleans LA (GRW-OH)
 6200 m/v AMBASSADOR wkg CG Miami FL (GRW-OH)
 6506.4 U 1245 HMS BANNER wkg CG Portsmouth VA (JDW-MN)
 CGCS: BASSWOOD, MALLOW, BOUTWELL, wkg NMC (JR-ND) (JDW)
 CGCS: CAPE ROMAIN, IRONWOOD, POLAR SEA, FIREBUSH, SEDGE, wkg NOJ (JDW-MN) (JR-ND)
 CGCS: SHERMAN, CLOVER, MONRO, CONFIDENCE, POLAR STAR, YACONA, wkg NMC (JR-ND)
 NOAA: TOWNSEND CROMWELL, MELVILLE wkg NMC (JDW-MN)
 NOAA: DISCOVERER, RESEARCHER, SURVEYOR clg/wkg NMC (JR-ND) (JDW-MN)
 Tug ELAINE G. wkg WCM Pittsburgh PA (JDW-MN)
 GUNN- CUNARD PRINCESS wkg CG San Juan via WOM (GRW-OH)
 GUNP- CUNARD COUNTESS p/p via WOM (RUL-GA)
 12429.2 U 1331 KTSQF- SAN PEDRO wkg WRF Houston TX (RMA-IA)
 12429.2 U 1329 KSHF- GUADALUPE clg KUY Fort Arthur TX (RMA-IA)
 12429.2 U 2050 KWAH- JACKSONVILLE wkg WRF Houston TX (JPC-MD)
 12546 C 2238 JBMT- ACE ENTERPRISE - Cq mkr (JR-ND)
 12648a C 0058 ESRP- DEMIANE KOROTCHENKO- call up to UDK2 (RMA-IA)
 13113.2 U 2350 m/v JOHN WAYNE wkg CG San Francisco CA (JR-ND)
 CGCS: POLAR SEA wkg NOJ.. BOUTWELL, CLOVER, CONFIDENCE wkg NMC (JR-ND)

***** OUTER SPACE *****
 C 2102 telemetry from possible Cosmos satellite (LVH-TX)
 R 1429 believed part of Soviet space tracking net (LVH-TX)
 C 1405 RN4- probable Soviet ground sta. wkg Salyut 7 (LVH-TX)
 C 2025 believed from Salyut 7 station (LVH-TX)
 C 0318 RS4- Soviet AMSAT beacon (FJO-OH)

AK... NOJ- CG Kodiak - PFC in 22d for SASE - (LM-CA)
 ANTA: KC44AD- (HAM) Siple Station - card 10d via CA, 14275 kHz (GRW-OH)
 ARGH: LOB9- SFTS Buenos Aires- Globe card-95d MS- 8167.5 kHz (TK-MO)
 LOL- SFTS Buenos Aires - folder card-64d MS- 15000 kHz (TK-MO)
 AUST: VNG- SFTS Lyndhurst- Melbourne card-?d - 2 IRCs- 4500 kHz (LM-CA)
 BRZI: ??? EMERATEL-??? card 31d for 2 IRCs - 4244 kHz (TK-MO)
 CAN.: VAI- Vancouver CGR, Ltr/post card-23d- XRP- 8385 kHz (GO-WA)
 CHU- SFTS Ottawa- Fleming card-15d- XRP- 7335 kHz (LM-VA)
 CZEQ: OMA- SFTS Prague- Observatory card-36d- 2 IRCs- 2500 kHz (TK-MO)
 ENG.: GYA- Whitehall NAVRAD- Ltr 4246.2 kHz (SB-CT)
 FRG.: KGEJ5- Portshhead MARCO- World Map card-46d- 2 IRCs-13072 kHz (LM-CA)
 HOLI: DAM- Norddeich MARCO- Compass card-43d- 2 IRCs- 12763.5 kHz (TK-MO)
 ILLI: ICB- Genova MARCO- card-23d- 2 IRCs- 17007.2 kHz (GO-WA)
 IAR- Rome MARCO- Ltr in 97d - 2 IRCs - 8670 kHz (LM-CA)
 JAPAN: JCU- Choshi MARCO- card 12878 kHz (SB-CT)
 NZED: JYA- Matsudo MARCO- PFC/Ltr-45d- 2 IRCs- 17081.6 kHz (LM-CA)
 NOR.: ZLB- Awara MARCO- Ltr- 36d - 3 IRCs- 12740 kHz (GO-WA)
 PAN: LFI- Rogaland MARCO- PFC- 16d- 2 IRCs- 12961.5 kHz (LM-CA)
 PANA: AGA@HO- USAF MARS Howard AFB- MARS GRAM-13d-13976.4 kHz (GRW-OH)
 P.R.: NMR- CG San Juan- Ltr 12700 kHz (SB-CT)
 SAUD: HZN5p- Jeddah Metro- PFC/Ltr-29d- IRC- 23370 kHzRTTY (FAC-UK)
 SWED: SACH- Goteborg MARCO- SAG car-31d- 2 IRCs- 8498 kHz (LM-CA)
 TIAN: BSF- SFTS S, Chung Li- Bldg card-24d- 2 IRCs- 5000 kHz (TK-MO)
 USA.: WWV- SFTS Ft. Collins CO- card- 06d- 10000 kHz (JAM-FL)
 MNH- Baltimore MARCO- Ltr-03d - XRP- 12952.9 kHz (LM-VA)
 WOM- CG Portsmouth VA- card/ltr - 8090 kHz (SB-CT)
 WOM- Ft. Lauderdale MARCO- card - 17263.9 kHz (SB-CT)
 WCC- Chatham MARCO- Ltr - 4331 kHz (SB-CT)
 SHIP: NNW@CXO- USNS HARKNESS- familygram-43d-MS- 14467 kHz (GRW-OH)
 NNW@CVK- USS NASHVILLE- Ltr/pic-36d-MS- 14467 kHz (GRW-OH)
 LIZA- SUN VIKING- PFC/pic- 42d- 2 IRCs- 8762.3 kHz (LM-CA)
 Following all from (HH-MD) freqs 12320 to 12540 kHz:
 GYTH- GULF KRESTREL... WA5869- LAURA... PPS- SOLIMONES....
 WQZ4042- MISTY BRILLET... ZTSG- S.A. SEEDERBERG... WHGJ- PENROD 72...
 LKCF- HOBECH FAVOUR... ZFUH- MOMBAKA... KDBS- PRESIDENT LINCOLN...
 SVPT- AEGIAS BLAZE... (sorry Hank needed the space...)

CGCs: JARVIS, MALLOW wkg NMO (JR-ND)
 NOAA: TOWNSEND CROWWELL, RESEARCHER, RAINER wkg
 NMO/NMC (JR-ND)

13113.2 U var.
 13113.2 U var.
 13974 U 2224 NNNØCVU- USS SAGINAW wkg NNNØKRQ (JR-ND)
 13974 U 2227 NNNØCVK- USS NASHVILLE wkg NNNØKRQ (JR-ND)
 13974 U 2229 NNNØCVL- USS SHREVEPORT wkg NNNØKRQ (JR-ND)
 14470 U 0149 PIAL- name ?? clg Rogaland MARCO (GRW-OH)
 16460 U 1228 H02379- J. RAY McDERMOTT clg WOO (JRJ-MS)
 16472 U 2020 W/Y TROPICAL clg WOM (JRJ-MS)
 16491 U 2022 KIRH- SBALAND DEVELOPER clg KSW Oakland CA (HCB-WA)
 16587.1 U 1704 KTSQ- SAN PEDRO wkg WHF Houston TX (RMA-IA)
 16587.1 U 1423 KHQP- MISSOURI wkg KHT Cedar Rapids IA (RMA-IA)
 16590.2 U 0000 KEDF- MOMAX STAR wkg WHD576 Baltimore MD (JDM-WN)
 16690A C 0407 SZLT- POLYCHRONIS - ZLB DE SZLT mkr (SN-TX)
 22046 U 1614 KGBD- BROOKLYN clg WOM (JRJ-MS)
 22124 U 1910 WMCK- OVERSEAS NEW YORK wkg KHT Cedar Rapids IA (HCB-WA)

**** AIRCRAFT ****

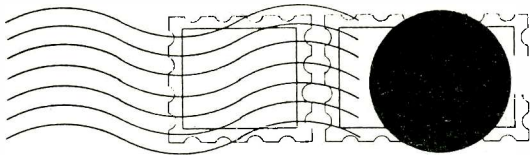
5505 U var. AIREVAC 70018 & CLIPPER 841 wkg Honolulu Aero (JDM-WN)
 5505 U var. CLIPPER 1Ø & JAPAN AIR 943 wkg Tokyo Aero (JDM-WN)
 5603 U var. CLIPPER 851, SINGAPORE 1, UNITED 182, UNITED 198, WESTERN 566 wkg San Francisco AERO (JDM-WN) (COP-CO)
 5624 U 0404 EMPRESS 374 wkg Churchill Aero (JR-ND)
 5624 U 0402 LUFTHANSA 455 wkg Frobisher Bay Aero (JR-ND)
 5624 U 0358 MAC 40624 wkg Gander Aero (GHS-II)
 5673 U 0142 LUFTHANSA 515 p/p via Santa Maria Aero (JDM-WN)
 5696 U 1953 CG Ø2 wkg CG Boston MA (BCW-WA)
 5696 U 0623 CG 2102 wkg CGAS Mobile AL (BLA-PA)
 5696 U 0130 CG 2111 wkg CG New Orleans LA (GHS-II)
 5696 U 2234 CG 2107 wkg CG Miami FL (BLA-PA)
 5696 U 2230 CG 1347 wkg CGC Hamilton (BLA-PA)
 5696 U 0144 CG 1479 wkg CG New Orleans LA (GHS-II)
 5696 U 0130 CGØ785 wkg CG New Orleans LA (WJS-ONT)
 5696 U 1930 CG 7250 wkg CG Boston MA (BCW-WA)
 6540 U var. EASTERN 598, AIR CANADA 904, CLIPPER 60, AMERICAN 676 wkg New York Aero (JDM-WN) (LJT-IL)
 6750 U 0250 MAC 50232 p/p Phantom via Ioring A/Ws (RAL-OH)
 8826 U 0311 CALEDONIAN 366 wkg Niamey Aero (PAG-NC)
 8854 U var. SOUTH PACIFIC 410, JAPAN AIR 943 wkg Guam (JDM-WN)
 8889 U 2330 FF AF- FOMTROT ALPHA 996 wkg Canarias Aero (IK-UK)
 8910 U var. N.16Ø.Y. & TWA 761 wkg Frobisher Bay Aero (JR-ND)
 8910 U var. SABANA 262, SPEDBIRD ØØ6, JAPAN AIR 433 wkg Cambridge Bay Aero (JR-ND)
 8910 U var. LUFTHANSA 650, JAPAN AIR 624, TANGO LIMA 330, KLM 868, SCANDINAVIAN 980, JAPAN AIR 423 wkg Reykjavik (JR-ND)

*** 71 contributors this month. Forced to drop @ 200 loggings.....

(RMA-FRAN)	Roger Alked	(RAL-OH)	Robert Leary
(BLA-PA)	Brian Alexander	(ML-ME)	Michael Leonard
(RMA-IA)	Rodney Alexander	(RJI-GA)	Robert Lewallyn
(JHA-LA)	James Andrew	(TML-AL)	Terry Lindley
(SB-CT)	Sam Barto	(JAM-FL)	James Martin
(KGB-KS)	Kirk Baxter	(RM-AZ)	Robert Marshall
(HCB-WA)	Hobart Beal	(LM-VA)	Lohr McKinstry
(JEB-CA)	Jason Berri	(LM-CA)	Lois McLain
(DKB-WA)	Donald Black	(JM-ME)	James Mitcham
(CB-IL)	Cliff Brown	(DN-ALB)	Don Moman
(RBC-CA)	Roy Carlson	(AM-UK)	Alex Moore
(JPC-MD)	John Cereghin	(SN-TX)	Sam Neal
(WTC-AZ)	Mike Chabak	(CCO-ND)	Carl Olson
(RJC-WA)	Robert Coleman	(FJO-OH)	Fred Osterman
(PAC-UK)	Peter Conway	(GO-WA)	Greg Overton
(BAC-VT)	Robert Curtis	(MP-NY)	Morris Pfeffer
(JHD-PA)	John Demmitt	(COP-CO)	Charles Pringle
(GLD-NC)	Greg Duncan	(TP-OH)	Terry Provanca
(ME-WA)	Mark Eramo	(RLR-KS)	Robert Rankin
(RF-NO)	Robert Flick	(JR-ND)	John Reisenauer
(PEF-SC)	Phillip Forrester	(TFS-NY)	Thomas Sable
(SF-CA)	S. Forsman	(GHS-II)	Greg Shepherd
(RF-NC)	Robert Fraser	(SS-NJ)	Steven Sienicki
(PAG-NC)	Paul Gilster	(LJS-CO)	Leon Stock
(DGH-CA)	Dan Halbert	(WJS-ONT)	Welf Stone
(SPH-CA)	Stuart Hall	(HUT-WA)	Harold Tate
(RMH-NY)	Ruth Hesch	(GLT-NM)	Gleam Thompson
(HH-ND)	Hank Holbrook	(LJT-IL)	Loren Thompson
(HGJ-TX)	Howard Johnson	(PAT-TX)	Peggy Thompson
(MWJ-ID)	Mark Johnson	(LVH-TX)	Larry Van Horn
(JRJ-MS)	Jack Jones	(GEM-OH)	Gene Malega
(EFK-TX)	Emil Kasprzyk	(JDM-WN)	John Williams
(IK-UK)	Ian Kerr	(DLW-PA)	David Wilson
(SK-CA)	Steven Kidd	(BCW-WA)	Bernie Wimmers
(TK-MO)	Terry Klasek	(TJY-ND)	Thomas Yingling
(KWK-WA)	Kraig Krist		

*** To ONE AND ALL, Merry Christmas, Happy Hanukkah, or Bah Humbug!!
 Have a safe and sound New Year's Eve.... See you all in 1983.

MC



EDITOR:
JOHN KAPINOS
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SHREWSBURY, MA 01545

Deadline: 12th of the month

QSL REPORTS

Bon Bini - Welcome - to the final edition of QSL reports for 1982. T'is been a pretty good year, with several former non-verifiers starting to answer reports and no major defections from the ranks of regular QSLers. Now on to the business at hand

AFRICA

ANGOLA: Radio Nacional, 11955, f/d personal letter in 31 days for PP report and 2 IRC, v/s Miguel Da C. Bras, Chief, Department of Exchange and Public Opinion (Wilkins-CO). Super job, John, first report I've seen from this one in my tenure as editor (kap).

BENIN: ORTB, 4870, p/d cards in 71 days, IRC (Jones-VA), in 48 days for 2 IRC (Kanon-NY).

CAMEROUN: Radio Bertoua, 4750, f/d form letter in 44 days for EE/FF report and 2 IRC (Wilczek-IL). They do request 2 IRC (kap).

CANARY ISLANDS: Radio Nacional Espana Tenerife Relay, 15365, f/d Diaz Art card in 29 days for IRC (returned) (Hosmer-MI).

KENYA: Voice of Kenya, 4934, f/d aerogramme in 15 days (Sharp-FL).

LESOTHO: BBC Relay, 9515, n/d Thames cd in 55 days (Wilczek-IL).

LIBERIA: ELBC, 3255, f/d "Sound of Progress" card in 30 days, IRC (Ross-ONT); ELWA, 11830, f/d Antenna Farm card and pennant in 54 days, 3 IRC (Ledford-NJ), f/d Broadcasting House cd in 153 days, 2 IRC (Marin-FL); United Nations Radio via Monrovia, 15240, f/d UN Building card in 18 days along with sked (Schulsinger-OH).

NIGERIA: FRON-Kaduna, 4770, f/d form letter in 97 days, 2 IRC (Moore-TX); Radio Kwara, 7145, f/d form letter in 61 days, IRC (Wilczek-IL); Voice of Nigeria, 7255, f/d Remeberence Arcade card in 280 days (Ross-ONT), 15120, same in 195 days, \$1. US (Hesch-NY), in 80 days, 2 IRC (Thompson-NM), in 239 days, 3 IRC (Christopher-NJ).

SENEGAL: Radio Nationale Du Senegal, 7210, blue/white logo card in 388 days, IRC (Wilczek-IL). I don't know what the story is on the "Senegambia" merger. My understanding is that it is (was) to be only a partial merger and that Senegal and Gambia would otherwise remain autonomous (kap).

SOUTH AFRICA: SABC, 4835, f/d cd in 20 days (Kanon-NY); RADIO RSA, 3230, 5980, 9585, 9615, 9616, 15155, 17745, f/d cards in 26 days (Ross-ONT), in 23 days (Thompson-NM), in 24 days (Kanon-NY), in 15 days (Miller-CA), in 27 days (Ledford-NJ), in 16 days (Muzyka-NY), 79 days (Smith-FL)

SWAZILAND: Radio Paralelo 27 (SCR), 6155, f/d Swazi Warrior card in 6 weeks for IRC (Howard-CA); f/d cd in 54 days, 2 IRC (Speer-CA); Trans World Radio - Manzini, 5055, f/d Station House card in 25 days, IRC (Van Horn-TX); 11965, same in 44 days, 2 IRC (Welch-MA).

TOGO: Radio Togo, 5047, f/d Map and Logo cards in 65 days, FF report, IRC (Wilczek-IL), in 40 days, FF report, ms (Lay-VA)

TRANSKEI: Capital Radio, 3930, card in 6 weeks (Sparks-CA).

UGANDA: Radio Uganda, 15325, f/d Broadcast House card in 197 days for EE report, 2 IRC (M. Johnson-ID).

ZAMBIA: Zambia Broadcasting Service, 4911, f/d "On Government Service" card in 35 days, 2 IRC (Wilczek-IL)

ZIMBABWE: RZ-3396, large p/d map card in 50 days, 2 IRC (Lay-VA). This map card has lasted a long time, going back to days when the nation was known as Southern Rhodesia.

ANTARCTICA

LRA-36, Radio National del San Gabriel, 15474v, f/d logo card in 97 days, SS report, 2 IRC. (Klasek-MO).

ASIA

BURMA: Burma Broadcasting Service, 5985, f/d Logo card in 120 days for 2 IRC (O'Riordan-ID).

CHINA: Xingjiang PBS, 4735, f/d cd via Peking in 21 days (Wilczek-IL); Guangxi PBS, 4915, f/d cd via Peking in 26 days (Wilkins-CO); Nei Menggu PPBS, 7105, f/d cd in 27 days (Hall-CA); Radio Peking, 15165, 17855, 17680, f/d cards in 14 days (Radtke-CA), 26 days (Wilkins-CO), 27 days (Kapinos-??), 34 days (Ulmer-LA), 35 days (Ledford-NJ). Pennants skeds and brochures were also received.

INDIA: All India Radio, 11620, f/d Chitragupta Temple cards in 40 days, IRC (Hosmer-MI), in 32 days, IRC (Kapinos-Aruba).

INDONESIA: RSPKDT2, Gresik, 2907, II letter in 1 month for II report and ms, v/s Avhmad Santoso (Sparks-CA); RRI Fak-Fak, 4790, II letter in 33 days for II report, IRC (Wilczek-IL), RRI Ternate, 3345, II form letter in 34 days, II report, IRC, v/s Rusby Bachmic (Wilczek); RRI Kendari, 4000, II letter in 22 days, II report, IRC (Wilczek); RRI Palanekaraya, 3325, f/d letter in 20 days, II report, ms, v/s Djoko Suryanto (Wilkins-CO). Note that all replies were received for Indonesian reports. Radio Netherlands has a rather neat II reporting form with appropriate EE translations available for the asking. A nice note to Jonathan Marks at RN in Hilversum will get you a copy (kap).

JAPAN: Radio Tampa (Domestic Service), 9595, f/d card in 30 days (Lord-CA); NHK-Radio Japan, 15195, 21610, 21640, cards in 20 days (Speer-CA), 6 weeks (Wilkins-CO), 21 days (Preston-CA), 21 days (Hamer-MI), 23 days (Thompson-NM), 35 days (Kanon-NY)

KAMPUCHEA: Voice of the People of Kampuchea, 9695, f/d form card in 360 days (Radtke-CA), same in 13 months (Lobdell-MA).

KOREA, REPUBLIC OF: Radio Korea, 11830, f/d card and pennant in 15 days (Miller-CA), same in 15 days, 2 IRC (Thompson-NM).

MONGOLIA: Radio Ulan Bator, 12070, f/d cards in 191 days (Grishin-ONT), in 105 days, IRC (Hesch-NY), in 6½ months, IRC (Jones-VA), (Hensley-TX).

MALAYSIA: Radio Malaysia - Penang, 7295, p/d aerogramme in 20 days, IRC (Wilkins-CO); Voice of Malaysia - Kuala Lumpur, 15295, f/d Bowl Drum card in 72 days (Sharp-FL).

PHILIPPINES: Radio Veritas Asia, 9670, card in 63 days (Miller-CA); 11955, f/d Tamil Program Staff cd in 53 days, 2 IRC (Speer-CA).

SINGAPORE: Singapore Broadcasting Corporation, 11940, f/d Singapore Skyline card in 71 days (Zolla-CA).

SRI LANKA: Adventist World Radio via SLBC, 11835, Special HAP-India card in 23 days for \$1. U.S. (Hesch-NY) Hope space permits us to illustrate this one, a first as far as I know (kap); Sri Lanka B. C., 11835; f/d card in 36 days, 2 IRC (Welch-MA). Nice to see gh pick up our item on the difficulty of getting SLBC QSLs direct in the latest R.I.B. (kap).

THAILAND: Radio Thailand, 9655, f/d card in 6 months (Cleveley-NY).

TIBET: Xizang PBS, 7170, f/d cd in 39 days via Peking (Ward-PQ).

TURKEY: Voice of Turkey, 15125, f/d card, pennant and sked in 26 days, (Van Horn-TX).

VIETNAM: Voice of Vietnam, 10040, f/d cd in 357 days (Hahn-CA), 15012, same in 22 weeks (lay-VA).

and.....one missort.....

CHINA: Hunan PBS, 4990, f/d card in 21 days via Peking (Wilczek-IL).

EUROPE

ALBANIA: Radio Tirana, 7120, f/d Revolutionary Spirit cd in 4½ mos (Burke-VA).

AUSTRIA: ORF, 12105, f/d Austrian Art card in 58 days, IRC (Preston-CA), f/d Moutain Scene card in 45 days, 3 IRC (English-TX).....

BELGIUM: BRT, 11695, f/d Lace Maker card in 27 days (Miller-CA); f/d form letter in 21 days (Sharp-FL), f/d "Adoration de l'Agneau Mystique" cd in 44 days (Smith-FL); 17595/21810, f/d cards and pennant in 91 days (Jones-VA); La Voix de l'Amitie - ORU, 11982 and 21460, f/d cards showing antenna and harmonic filet in 14 and 21 days for FF reports (Hesch-NY).

BULGARIA: Radio Sofia, 11750, no data card in 34 days (Ledford-NJ); 15135 f/d card in 76 days (Sharp-FL).

CZECHOSLOVAKIA: Radio Prague, various freq, f/d cards in 110 days (Ulmer-LA).

ENGLAND: Radio Australia relay via BBC (Commonwealth Games), 21590, f/d R.A. card in 16 days, IRC (Welch-MA); BBC, 15070, n/d cd in 30 days (Muzyka-NY); VOA Wooferton Relay, 7170, 7200, f/d VOA 40th Anniversary cards in 18 days (Hosmer-MI), in 28 days (Ledford-NJ).

FINLAND: Radio Finalnd, 21475, n/d Finlandia Hall cd in 29 days (Tate-WV).

GREECE: Voice of Greece, 9865, f/d Chios cd in 3 months (Ulmer-LA); 12045, f/d Rhodes card in 54 days (Hensley-TX). Now.....the contest..... first copy of a Voice of Greece QSL on 15050 wins my pick of the pennant box, maybe a couple of nice pins too..... duplicate prizes in case of ties....but....deadline for U.S.A. readers is 20 December, for our overseas readers the dealine will be 10 January 1983 (kap).

GERMANY, DEMOCRATIC REPUBLIC: Radio Berlin International, 9560, f/d Ernst Thalman Platz card in 21 days (Speer-CA); 9620, f/d scenes card in 35 days (Kapinos-back in Mass.).

GERMANY, FEDERAL REPUBLIC: Deutsche Welle, 11865, n/d Broadcasting Center cd in 25 days along with pennant and sticker (Hensley-TX); Sudwesfunk Baden-Baden, 7265, card in 53 days (J. Miller-GA).

HUNGARY: Radio Budapest, 9585, f/d Buildings card in 23 days (Ledford-NJ), 11910, f/d National Costumes card in 56 days (Smith-FL); 17710, f/d Radio Budapest Short Wave Club card in 101 days (Ulmer-LA).

ITALY: RAI, 9575, f/d Bernini Sculpture card in 72 days (Schulsiner-OH); 11800, f/d Renato Guttuso art card in 62 days (Hensley-TX); Radio Pace, 15465, n/d personal verie letter in 92 days, 2 IRC (Wilczek-IL).

LUXEMBOURG: Radio Luxembourg, 6090, f/d Coat of Arms and Antenna card in 39 weeks after follow up, 79 weeks total, IRC (Wilkins-CO). RL used to be one of the quickest and reliable QSLers around, today QSLs are issued on a "hit or miss" basis" (kap).

MALTA: D.W. Relay, 11865, cd in 9 days (Thompson-NM). Looks like we won't be seeing too many more DW-Malta QSLs, as for whatever reason the Cyclops transmitter is no longer available to D.W. Best bet for a full data Malta QSL is via International Christian Radio. Check Terry Lindley's Europe section in this issue for the latest information (kap).

MONACO: Trans World Radio Monte Carlo, 9495, f/d Cyprus MW antenna card in 28 days for IRC and donation (Ledford-NJ); 11652, f/d card, pennant and sked in 70 days (Jones-VA).

NORWAY: Radio Norway, 21705, f/d card, logo sticker and newsletter in 34 days, IRC (Preston-CA).

POLAND: Radio Polonia, 9525, f/d Lazienki Park card in 50 days (Pfeffer-NY); 15120, same in 57 days (Speer-CA). Am still looking for a few Polskie Radio pennants to complete my collection. Write for details and maybe a deal can be struck (kap).

PORTUGAL: Radio Renascenca, 11730, p/d card and letter in 6 months, 2 months after follow up, 2 IRC (Lazarus-LA); Radio Portugal, 17880, f/d Seal card in 21 days (Ledford-NJ).

ROMANIA: Radio Bucharest, 11830, f/d card in 74 days (Ulmer-LA); 11940, f/d card in 131 days (Sharp-FL); 15255, f/d cards in 91 days (Speer-CA), in 101 days (Ulmer).

SPAIN: Spanish Foreign Radio, 9630, 11880, f/d cards in an average 6 weeks (Cleveland-NY, McCants-AL, Muzyka-NY, Thompson-NM, Smith-FL, Mills-VA).

SWEDEN: Radio Sweden International, 11705, f/d Logo card in 21 days, IRC (Moore-TX); 15270, f/d Logo cd in 12 days, IRC (Preston-CA); 21615 same card in 11 days (Hosmer-MI).

SWITZERLAND: Swiss Radio International, 9725, 11715, f/d cards in an average 4 weeks (Cleveland-NY, Kanon-NY, Hensley-TX, Thompson-NM, Preston-CA, Zolla-CA).

VATICAN CITY: Radio Vaticana, 6105, f/d Antenna Farm card in 14 days, IRC (Ledford-NJ); 11845, same card in 15 days (Muzyka-NY), same in 10 days IRC (Thompson-NM); 15120, f/d 50th Anniversary card in 20 days, no rp (Jones-VA).

MIDDLE EAST

EGYPT: Radio Cairo, 9475, f/d card in 166 days, 2 IRC (Reinecker-PA), same in 51 days (Wilczek-IL).

ISRAEL: IBA, 11640, f/d map card in 36 days (Kanon-NY).

OMAN: Radio Oman, 9510, f/d "Date Palm" folder card in 35 days, 2 IRC (Sharp-FL); 11890, same card in 666"" days (Demmitt-PA), same in 15 weeks after follow up, ms (Howard-CA). Looks like this toughie has got a new batch of cards in and is ready and willing to QSL. Log em and report em....(kap).

SAUDI ARABIA: BSKSA, 15060, f/d card in 53 days, w IRC (Kanon-NY).

QATAR: Q.B.S., 15505, f/d cd in 40 days (Jones-VA), in 40 days, IRC (Wilczek-IL), in 30 days (Welch-MA), in 36 days (Sharp-FL).

UNITED ARAB EMIRATES: Radio Dubai (UAE Radio), 15320, f/d map and logo card and pennant in 47 days (Wilczek-IL), same in 52 days, IRC (Kap), f/d card in 48 days (Ledford-NJ); 17775, f/d card, pennant and sked in 31 days, IRC (Preston-CA).

iran: no reports again this month. tell you a little secret, ye olde kap one did send them a report a month of so ago. time will tell if the imam's spy system gets SPEEDX. If so, kap will never ever get a QSL from them. As a matter of information, only one reader has ever complained about my comments regarding iran and that person has never been listed in the Contributors page of the bulletin (kap).

OCEANIA

- AUSTRALIA: ABC - Brisbane, 4920, f/d Map card in 17 days (Lord-CA); ABC - Perth, 9610, f/d Western Australia Map card in 16 days (Lord); Radio Australia, 9580, 15115, 15160, 17795, 21740, f/d cards in an average 30 days (Muzyka-NY, Ledford-NJ, Fama-CA, Pfeiffer-NY, Latko-AZ, Smith-FL).
- GUAM: KTWR, 11840, f/d Programmable Routing Switcher card in 85 days, U.S. ms (Latko-AZ); 11920, same in 54 days, ms (Speer-CA).
- NEW CALEDONIA: Radio Noumea, 7170, p/d form letter with map of island in 120 days, FF report and IRC (Hesch-NY), in 24 days, 2 IRC (Kanon-NY).
- NEW ZEALAND: Radio New Zealand, 17705, f/d card in 16 days along with pennant, 3 IRC (Preston-CA), same in 12 days, 3 IRC (Ledford-NJ). Radio New Zealand QSLs and postage costs are not paid for by the government, but rather by the staff themselves. That is why they request 4 IRC now, to help keep the drain on their personal pockets a bit low (Kap).
- PAPUA NEW GUINEA: Radio West New Britain, 2340, f/d Map card in 11 weeks, ms (Wilkins-CO); Radio West Sepik, 3205, n/d personal letter in 7 weeks after 2nd f/u, 80 weeks total, ms, v/s Raka Saini, Stn. Mgr. (Wilkins); Radio Morobe, 3220, f/d map card 24 days after 2nd f/u, ms/ v/s Robin Wainetti, Prov. Mgr. (Wilkins); Radio Milne Bay, 3360, f/d map card and personal letter 7 weeks after 2nd f/u, 73 weeks total, ms, v/s J. W. Duigu, Stn. Mgr. (Wilkins). Nice group here, John (Kap); Radio New Ireland, 3905, f/d personal letter in 24 days, IRC, v/s J. Malisa, Prov. Stn. Mgr., who says that they are most anxious to receive reports (Wilczek-IL).
- SOLOMON ISLANDS: SIBC, 9545, f/d Logo card in 21 days, 2 IRC (McLain-CA).
- TAHITI: Radio Tahiti - FR3, 11825, f/d man blowing conch shell card in 33 days, FF report, IRC (Drollinger-WI).
- VANUATU: Radio Vanuatu, 7260, f/d Slit Gong cd in 103 days, IRC (Garrett-CA).

NORTH AMERICA

- ANTIGUA: BBC Relay, 6175, n/d Thames cd in 25 days (Sienicki-NJ).
- BELIZE: Radio Belize, 3285, f/d Map card in 25 days (Van Horn-TX), same in 40 days (Ross-ONT).
- BONAIRE: Trans World Radio, 9755, f/d TWR Building card in 29 days, 2 IRC (Sienicki); Radio Netherlands Relay, 6165, f/d Authentic Costumes card in 7 weeks, IRC (Wilkins-CO); 21685, f/d "The Sewer" painting card in 13 days, IRC (Thompson-NM).
- CANADA: CFCX-Montreal, 6005, Montreal view card in 15 days, ms (Sienicki); CFRX-Toronto, 6070, Marine Mobile card in 17 days, ms (Sienicki); CFVP-Calgary, 6030, Downtown Calgary cards in 85 days, ms (Schulsinger-OH), in 21 days (Speer-CA), in 11 days, ms (Hall-CA); CHNX-Halifax, f/d Canada's Ocean Playground card in 23 days, ms (Sienicki); Radio Canada International, 9755, f/d DIY card in 42 days (Thompson-NM).
- COSTA RICA: TIFC, 5055, f/d card in 3 months, 2 IRC (Burke-VA); Radio Reloj, 4832, p/d Broadcasting card in 21 days after numerous f/u, SS report, ms (Klasek-MO).
- CUBA: Radio Moscow Havana Relay, 9600, f/d cd in 32 days (Ulmer-CA); 11840, f/d card in 2 months, also received ambiguous 31 meter band card for report on 10000 report (Wilczek-IL), f/d card in 32 days (Ulmer-LA); Radio Habana Cuba, 11930, f/d card in 105 days (Grishin-ONT); 17750, f/d card in 180 days, IRC (Hosmer-MI).
- GUATEMALA: Union Radio - TGMUA, 5980, f/d AWR-Latin America card in a total 15 months. QSL received through the efforts of Mr. Tulio R. Haylock of AWR Washington, DC HQ (Parks-FL).
- HAITI: Radio Citadelle-4VWA, 6155, partial data letter in 33 days, FF rpt, #1. US (Parks-FL), same in 25 days, FF report, 2 IRC, v/s Emmanuel C. Eugene (Klasek-MO).

HAITI: (continued); 4VEH, 11835, f/d Studio cards in 37 days, 2 IRC (McLain-CA), in 53 days, 2 IRC (Speer-CA), in 32 days, IRC (Moore-TX).

HONDURAS: HRVC, 4820, f/d Logo card in 40 days (Jones-VA); Radio Variedades-6000, full data personal letter and prepared card in 5 weeks, v/s Alex R. Lanza Guzman, SS report, ms (Lazarus-LA).

MEXICO: Radio Universidad SLP, 61045, personal letter in 49 days for SS report, v/s Manuel Carillo Grageda, Director (Wilczek-IL); Radio Mexico, f/d card in 45 days, IRC (Ross-ONT).

MONTSERRAT: DW Relay, 11705, f/d EDXC Contest card in 106 days (Kanon-NY).

U. S. A.: WRNO - New Orleans, various frequencies, p/d cards in an average 30 days (Smith-FL, Ward-PQ, McCants-AL, Klasek-MO, Sienciki-NJ); WYFR-Okeechobee, 11830, f/d card in 12 days (Muzyka-NY), 15 days (Ward-PQ); 15365, f/d card in 20 days (Taylor-MO).

SOUTH AMERICA

ARGENTINA: Radio Belgrano, 6090, f/d card in 14 days, SS report, IRC, v/s Ing. Felix A. Argota Salinas (Parks-FL); Radio el Mundo, 11755, blue/white card in 123 days, EE report (Ross-ONT); R A E, 9690, 11710, 15345, cards in 120 days (Ross-ONT), in 23 days, IRC (Preston-CA), in 32 days (Hahn-CA), in 29 days, 2 IRC (Kanon-NY), in 33 days (Sugai-JAPAN), in 20 days (Pfeffer-NY), in 22 days (Drollinger-WI). RAE has a nice blue and white pennant, usually available for the asking (kap). I'm still waiting for the "March of the Malvinas" tape they promised me back in June (kap).

BOLIVIA: Radio Stentor, 6185v, date/freq personal letter in 33 days for SS report, 2 IRC, v/s Fernando Chappe Z. (Parks-FL); Radio Abaroa, 4710v, f/d pink "Palm Tree and Hut" card in 109 days, SS report, IRC, v/s Rolman Medina M. QSL Manager (Parks).

BRAZIL: R. Educacao Rural De Coari, 2490, p/d personal letter in 29 days - PP report, ms, v/s Padre Martin James Lauman (Parks-FL); R. Cultura da Bahia, 9595, p/d personal letter in 28 days, PP report, ms, v/s Djalma Costa Lino (Parks); R. Rio Mar, 9695, p/d PP/EE Map card in 54 days for PP report (Wilczek-IL); R. Nacional de Cruzeiro do Sul, 4765, f/d prepared card in 3 weeks after 2nd f/u, 72 weeks total, PP report, ms, v/s Maria De Oliveira Da Silva, Gerente (Wilkins-CO); Radio Anhanguera, 4915, p/d card in 6 months along with photo and cards for PP report, ms, v/s Jose Carlos Silva, Director Artistico (Lobdell-MA); Radio TV Cultura Sao Paulo, 6165, personal letter, brochure and sticker in 98 days for PP report, IRC, v/s Olimpio Jose Franco (Parks); Radio Marumby, 9675, f/d scene card in 25 days, PP report, ms, v/s Claudio R. Moraes (Kivell-NM); Radio Bras, 15290, f/d Water Fall card, sked and sticker in 105 days (Bartsch-MN). Nice turnout here folks. Note that all the regionals took a PP report and ms (kap).

CHILE: Rdif. Patagonia Chilena, 6080, SS letter in 1 month after f/u for SS report and ms, v/s Luis A Ojeda Ojeda, Dir. (Sparks-CA); Radio Agricultura, 9630, f/d personal letter in 28 days on third try, SS report, IRC, v/s Carlos Toldeo Verdugo, Editor DX (Wilczek-IL).

COLOMBIA: Radio Santa Fe, 4965, n/d form letter in 50 days, SS report, IRC (Moore-TX), same along with pennant in 26 days, SS rpt, IRC (Drollinger); Radio Bucaramanga, 4845, blue/white logo card in 35 days, SS report, IRC (Moore-TX); Radio Guatapuri, 4815, p/d personal letter in 41 days along with pennant, SS report, ms (Klasek-MO); Radio Transamazonica, 6035, SS handwritten letter in 10 months, SS report, ms, v/s Guillermo Pulido, who advises that reports may be sent to either Apartado Aereo 16555, Bogoto or to Sr. Pulido at Box 1861, Melbourne, FL 32901 (Lobdell-MA).

ECUADOR: Radio La Voz de Triunfo, 3252, f/d prepared card and personal letter 6 weeks after f/u, 3 yrs total, SS report, ms, v/s Edison Yanez B. (Lazarus-LA); Emissora Gran Colombia, 4910, n/d Thank You letter in 27 days, SS report, 2 IRC, v/s Nancy Cevallos Castro (Marin-FL); HCBJ, 21477.5, f/d card in 21 days (Mills-VA).

FRENCH GUIANA PR3-Cayenne, 3385/5055, f/d Map and Logo card in 51 days for EE report, IRC, also received sticker (Sharp-FL).

GUYANA: Guyana B.C., 5950, f/d form letter in 28 days (Wilczek-IL).

NICARAGUA: LVN, 5950, n/d personal letter in 98 days, IRC (Moore-TX).

PARAGUAY: R. Nacional, 11915, p/d form letter and travel brochures in 90 days, SS report, IRC (Ross-ONT), in 17 days, 2 IRC (Hosmer-MI).

PERU: R. Cultural Amauta, 4955, f/d prepared card and personal letter in 20 days after f/u SS rpt, ms (Lazarus-LA); Radio Moderna, 4300, same in 6 weeks, ms, SS report, (Lazarus); R. Huancayo, 5955, SS letter in 3 mos after f/u, SS rpt, ms (Sparks-CA); R. Oriente, 6190, SS letter in 6 mos after f/u, SS rpt, ms (Sparks-CA); R. Atlantida, 4790, p/d letters in 147 days, SS rpt, IRC (Parks-FL), in 48 days, SS report, ms (Klassek-WO).

SURINAME: R. Apintie, 4996, f/d letter and pennant in 26 days (Jones-VA), same in 110 days, IRC (Ross-ONT).

VENEZUELA: R. Carora, 4909v, p/d personal letter in 21 days, SS rpt (Parks); R. Tachira, 4830, multicolored cloth pennants only in 1 month (Wilczek-IL), same in 46 days, IRC (Parks). Don't think that we can call these actual QSLs (kap); R. Frontera, 4760, card in 1 yr after f/u (Sparks-CA), R. Rumbos, 4970, f/d Cracas Airport view card in 139 days (Sharp-FL).

USSR

Radio Moscow Sites: (all f/d cards)

ASHKHABAD, 15295, 2 months (Wilczek-IL)

FRUNZE, 15500, 45 days (Smith-FL)

IRKUTSK, 21530, 55 days (McLain-CA)

MOSCOW, 9600, 32 days (Ulmer-LA)

RYAZAN, 9725, 30 days (Schulsinger-OH)

Radio Station Peace and Progress, 15280, cd in 45 days (Hahn-CA).

Radio Kiev, 11730, 11735, 17870, (Smith-FL, Kanon-NY, Speer-CA).

Radio Tashkent, 15460, 62 days (Grishin-ONT).

Radio Vilnius, 12020, 73 days (McCants-AL).

Radio Yerevan, 17870, 90 days (Van Horn-TX).

KAP'S KORNER::::: As the year 1982 draws to a close, thanks to the 150 some odd different contributors who supported this column. Without you, there would be an awful lot of white space in this bulletin. All reports are most gratefully accepted, whether from the more common stations or from the great rarities. Once in a while space considerations will necessitate some judicious pruning, but often is the case that all reports received are used. A goal for next year is having 100+ contributors for a single issue. You can do it, folks.

All comments, both critical and favorable are appreciated. While we know that we can not please all of the people all of the time, we do try to please most of the people all of the time. Constructive criticism makes this a better column for everyone. Anyone befuddled by some of the much needed abbreviations used here can just drop us a card and we'll send you the magic code sheet. As always, return postage is not required for an answer to any correspondence.

I would prefer that you not send me your original QSLs, especially some of the rare ones, as there is always the possibility that a loss may occur somewhere along the line. Crisp photocopies are fine.

And now, prior to my slinking up to the den to sip a few much needed Amstels, may I take this opportunity to wish on my and Muriel's behalf a most Merry Christmas and Happy Chanuckah as well as a most Prosperous and Happy New Year to everyone.

BEST, Kap 11.17.82

Tips and Topics

THE FEATURE SECTION OF SPEEDX

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

TECHNICAL ROUNDUP

EQUIPMENT, ANTENNAS, RECEIVERS,
ACCESSORIES, AND NEW IDEAS

COMPARISON OF THE MFJ SHORTWAVE/LONGWAVE ANTENNA TUNER AND THE GROVE MINI TUNER, TUN 3

by Bob Flick, MO

to 30 MHz. This unit did, indeed, tune from 10 kHz to 412 kHz in the longwave range. However, not in the ranges indicated on their dial settings. The tuning condenser is one of those miniature Japanese jobs with plastic dielectric and had such a "sloppy feel" that it gave me the impression I was playing with a 10 year old kids toy.

The range between 412 and 500 kHz was so swamped with BC hash as to be unusable. The unit peaked SW radio signals to about 5 MHz. Above 6 MHz all signals were attenuated from 10 to 20 db! Completely worthless on shortwave.

I then purchased a Grove Mini-Tuner, TUN 3. This unit is solidly built and claims a tuning range from 100 kHz to 30 MHz. The unit tuned (in the longwave band) from 100 to 414 kHz. No signals above 414 to 500 kHz were audible, although I could hear CW signals when the tuning unit was by-passed. The Grove unit peaked signals up to 30 MHz. Unfortunately, when compared to my regular antenna tuner (an MFJ Model 944 designed for amateur use) all the signals peaked on the Grove unit were several db's lower in signal strength. The Grove unit tuned all signals within the frequencies indicated on their dial ranges.

As indicated, neither unit tuned between 414 kHz and the broadcast band. The Grove unit just didn't tune this range while the MFJ unit did tune to 500 kHz, but was swamped by BC signals. I rigged a little filter ahead of the MFJ unit and it then worked ok in this area.

As far as I know, these are the only two units available to the radio listener who might wish to tune the longwave bands. Both reflect the poor design considerations given to equipment offered to shortwave listeners. I paid \$79.95 for the MFJ-955 and \$54.95 for the minituner (TUN-3); both had an extra charge for shipping and handling. Therefore, as the Roman's said, "Let the buyer Beware." Experience is knowing you made a mistake the second time you do it!

REVIEW OF THE MFJ-1070 PRESELECTOR

by Bill Williams, FL

I recently purchased an MFJ-1070 Preselector at a local amateur radio supply store. In conjunction with my FRG-7, the unit worked very well. I can highly recommend its use for the

following reasons: (1) The price. It was a modest \$59.95 (list 79.95). Despite this low price, as compared to other MFJ models, it features many features normally found only on higher-priced models. For example, it features matching RF Gain, Band Selection, and Fine Tuning controls, in addition to an on/off pilot light, and a noise suppressor. The latter is an exclusive feature on the 1070 model. (2) Its overall performance. When connected to my outdoor longwire of 150 feet, I made the following observations:

<u>STATION</u>	<u>FREQUENCY</u>	<u>SINPO w/o 1070</u>	<u>SINPO with 1070</u>
Radio South Africa	4880	32333	43434
Radio Cairo, Egypt	11665	22322	32322
Radio Moscow, USSR	17870	43333	44444
Radio Korea	9977	22222	32333
R. Rural Natal, Brazil	3335	21211	32322

If not a quantitative analysis, this will at least acquaint you qualitatively with its relative merits. As you can see, the unit improved not only selectivity, but also enhanced the sensitivity of my receiver in most of the above cases. Of course, your performance will depend upon your receiver, antenna, and location. (3) Its availability.

The dealer told me MFJ will highly promote this model, and it should be at your local MFJ supply store soon, if not already.

The tuning range of the MFJ-1070 preselector is 3-30 MHz. Listed average gain (3-22 MHz) is 26 dB. Image rejection at 15 MHz is 11 db. Judging by my experiences with this model, these specs seem accurate. The unit is a compact 7" x 4" x 3". It is relatively easy to operate. The knobs are large, and are easily tuned by even inexperienced DXers.

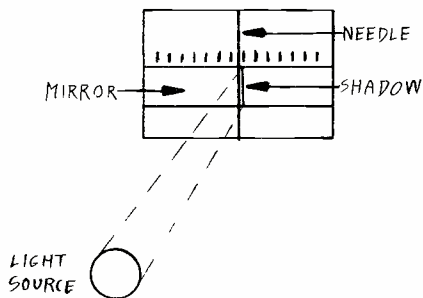
In conclusion, the MFJ-1070 is an excellent preselector, and would be a fine addition to any DX shack.

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A DIAL MODIFICATION FOR THE FRG-7 (That Didn't Work!)

by Mike Schulsinger, OH

Why, you might ask, would anyone want to read about a modification attempt that failed? Well, when I asked myself that

question, I came up with two good reasons. First of all, many aspiring inventors give up after their first try, or even before. If things aren't perfect the first time around, they figure the basic idea must be at fault. Second, just because the idea bombed on my FRG-7 doesn't mean it won't work on someone else's receiver.



The idea for the modification came from my work with precision analog meters. Before the spread of the digital meter, analog meters used to achieve improved accuracy using the trick shown in the accompanying figure. A mirror was placed on the meter face near the index markings. A light placed behind the person reading the meter would strike the meter needle, leaving a shadow on the mirror. The user would then line up the needle with its shadow and take the reading at that point.

The Yaesu FRG-7 has a wide space under it kiloHertz dial markings. I purchased a roll

of recorder sensing tape (Radio Shack 44-1155 \$1.99), removed the Frog-7's cover and applied the aluminum tape around the base of the kiloHertz drum. I then reassembled the Frog and turned it on.

Well, it didn't work. The difficulty here is that the FRG-7 dial is illuminated from inside, not outside, the case, so there was no distinct shadow to get a fix on. The light outside must be greater than the light inside in order for the mirror to work. But I'm not giving up yet; unless, of course, someone sends me a digital readout dial kit for my birthday!

|||||
BOOK REVIEW

MAN OF HIGH FIDELITY: A BOOK REVIEW. . .

by Dave Maxfield, MI

Chris Hansen's "Shortwave Center" recently advised us (FRIENDX, 10/82, p. 3) to read Lawrence Lessing's biography of Edwin Howard Armstrong entitled Man of High Fidelity. This 320-page book was first published by the J.B. Lippincott Co. in 1956, and was reprinted as a paperback in 1969 by Bantam Books. Hopefully, it is still available in libraries; for it is "must" reading not only for SWL/DXers, but for radio amateurs, and for anyone else concerned with the electronic arts.

The words "high fidelity" in the title refer to Armstrong's life as well as to some of his achievements. While an engineering undergraduate in 1912, he took the hitherto misunderstood and misused vacuum tube, and invented regenerative (or feedback) circuits for both transmitting and receiving. As a World War I Signal Corps Major, he developed the invaluable superheterodyne. As Professor of Electrical Engineering at Columbia University in the 1930's, he perfected equipment for FM reception and transmission, incidentally discovering principles upon which Shannon (and others) based the modern information theory which has led to computers and the age of automation. His radar work, almost completed at the end of World War II, is still largely classified.

Armstrong's regenerative circuits ended the spark-gap era of wireless, and made possible the great broadcasting developments—and industries—of the 1920s and 1930s. His superheterodyne discoveries brought improvements not only to broadcasting, but to other forms of radio as well. His FM contributions gave the world static-free radio, and allowed TV to become a practical daily medium. Though his radar invention cannot, as yet, be fully assessed, they are basic to some of America's most important defense capabilities, while various implications of his theoretical discoveries continue to unfold.

For all of these incredible achievements he should be vastly rich, intensely happy and justly famous. Right? Wrong! A ruined man in 1954, he committed suicide, and is relatively unknown today. Ruthless little men (and their shyster lawyers) in the gigantic corporations that were built upon his inventions took advantage of him, misrepresented his work, infringed his patents, refused him royalties, and got rich by mass-producing inferior products. Whenever—zealous for his rights, concerned for scientific truth, and faithful to visions of optimum communications—he protested, they harassed him in multiple, ruinously expensive lawsuits that took whole decades from his creative life. The tactics and chicanery they employed were destructive in the extreme, and included disparaging, misleading and lying propaganda that was widely spread abroad.

Inasmuch as he stubbornly persisted against all odds in fighting for his rights and principles, litigation continued until much of his public reputation was destroyed. Finally, his personal and economic health was undermined, and his family life so disrupted, that—despite widespread acclaim from scientific societies and the academic world—he leaped from a 13th story window in despair, and few popular histories of radio currently give him his due. Lessing's book, therefore, depicts a true American tragedy. A great and good man was brought down by jealous enemies, who relentlessly destroyed him.

The author began writing only a few months after the inventor's death, had full access to all his archives, and was able to interview many of his relatives and associates. Thus the book is wholly authoritative. Its style, moreover, is so readable that one cannot put it down until the end. This is particularly true because Lessing relates Armstrong's life and personality to the rapidly-changing social and communications conditions of his times: the smugness of pre-war America, the idealistic excitement of World War I, the hyperactivity of the 1920's, the discouragements of the great depression, the grim activities of the second world war, and the unfairness of the McCarthy era of the 1950's. Not only does Armstrong come alive as a man, but so do years as far away as the early 1900s.

The book uses little technical jargon, employing the simple language that Armstrong always preferred, although no oversimplification of difficult material occurs. Eight pages of readily-grasped circuit diagrams are included, and the original edition contains a number of interesting half-tones. A three page bibliography of Armstrong's scientific papers—foundation stone classics of electronic progress—is provided as an appendix.

This volume not only merits frequent rereading, but constant reprinting. In telling radio history as it should be told, it offers fascinating insights into our past, and suggests many frightening things about the blindness, ruthlessness and cruelty of the "American Way" of capitalism. Get it and read it.

!!

STATION REVIEW

RADIO AUSTRALIA RELAYS OVER BBC FACILITIES
by Adrian M. Peterson, Director of AWR-Asia

For the first time in its more than 40 years of broadcasting, Radio Australia has specifically commissioned relay services outside the island continent. These new and temporary relay facilities were utilized during the Commonwealth Games in Brisbane.

Over the years, Radio Australia programming has been relayed in many overseas countries, but his has always been as a service to the listeners in the country involved, rather than as a specific outreach by Radio Australia itself. For example, cricket and tennis commentaries have been rebroadcast on relay from Radio Australia for the benefit of listeners in Great Britain, the Caribbean, India and Pakistan. The program "Americans Calling Home" was relayed during World War II by several hundred MW-AM stations in North America. The BBC and Radio Australia services in French were relayed by the AWA SW outlet in Suva, Fiji, station VPD2. Likewise, during World War II, and after, Radio Australia programs have been carried on relay by AFRTS, FBFS, and Australian Amenities stations located in New Guinea, Indonesia, Philippines, Jerusalem, Japan, and in the Pacific, as well as Korea and Vietnam. Also, large blocks of programming from Radio Australia have been rebroadcast from such stations as VLU2 Christmas Island, VKW Cocos Island, VL2NI Norfolk Island, and 2LH on Lord Howe, and the stations on Naura and in the Maldive Islands.

By specific request, Radio Australia has also acted as a feeder service on behalf of other large radio stations. For example, RA relayed the BBC service to the British Fleet in the Pacific in mid-1945, and the South East Asia command, SEAC, news commentaries to the US soon afterwards. One of the most significant feeder relays by Radio Australia some years ago was when the Voice of America program, "The Philippine Hour" was broadcast, on behalf of VOA to the Philippines. This relay, in 1944, was carried over the 50 kW VLC in Shepparton, which was a new RCA transmitter at the time.

In addition, Radio Australia has acted as a feeder service for Radio New Zealand, United Nations Radio, and the Canadian Broadcasting Corporation. Soon after the end of World

their conversation, the two fire-fighters realized that all three victims had taken extra-strength Tylenol that day. Cappitelli immediately phoned his mother-in-law who is a registered nurse, and asked her if there was any possibility that the over-the-counter drug might have caused the fatalities. When she agreed that Tylenol could be the cause, Cappitelli immediately contacted Arlington Heights Fire Station No. 3 to report his findings. Within minutes, medical authorities confirmed that all three of the victims did take the drug, and that their bottles were from the same lot number, and had the same expiration date.

Soon, millions of people were warned not to take the Extra Strength Tylenol capsules. The total time that had elapsed from Keyworth and Cappitelli's first phone conversation was 1½ hours. . .

Cappitelli, who has owned a Bearcat 210 scanner since 1976, listens to the radio when he is at home because it serves as a back-up warning system for monitoring important frequencies. But he never dreamed his listening would help save lives.

"If I hadn't been listening to my scanner," he says, "I don't think I would have followed up on the story. I guess the radio made me pay more attention to the details. . ."

TIDBITS

KANTRONICS SIGNAL ENFORCER AUDIO FILTER:

As you tune across the dial, you come across a station that you have never heard. Just as you go for pen and paper to get some details down, a strong station goes on the air only a few kHz away. You could just hit the roof and unless you have a great computerized filter on your RX, you could not do a thing about it. Ah, but the Kantronics signal enforcer helps tremendously. When connected in line with a speaker, you can do many things. This audio filter has 2 filters built in—one main and an aux. Both have the capacity to peak weak signals or strong signals can be notched out. You can even peak a weak signal and notch a strong one on the same frequency. It's also possible to use both filters to super-peak a weak station. Even if the Kantronics costs a little more, it is very well worth it. (Mark Eramo, MA)

MORE ON MINI-RECEIVERS: A couple of days after receiving the September, 1982 SPEEDX and reading about the new SONY miniature SW receivers, I had a chance to go into Boston. I had a chance to stop at the New England Radio & Television Company at 33 Stanhope Street, an authorized SONY dealer. (A free plug for putting them out.) Being only interested in the sizes and coverage of these new receivers, I glanced at the slick pages of the SONY catalog. The ICF-7600A is 4 5/8 inches x 7 1/8 inches x 1 1/4 inches and covers the 49, 41, 31, 25, 19, 16, and 13 meter bands. I did notice that the 25 meter band went all the way up to 12 MHz. The ICF-4800 (which should read ICR-4800) measures 2 15/16 inches by 5 1/2 inches by 7/8 inch. This covers the 49, 31, 25, 19 and 16 meter bands. Both radios have only the regular ECB in addition, no FM. They also seem to be the ICF-7600 receiver of a few years ago reissued. In fact, both new radios and the older ICF-7600 very closely resembled each other. (Re reading about the ICF-7600 in the 1981 WRTH, it mentions that this receiver does cover the FM band. Admittedly, I only glanced at the pages in the catalog and it is possible that the ICF-7600A and

ICR-4800 both have FM.) Anyway, I was somewhat disappointed in these two new radios. SONY should have just continued on with the ICF-7600, upgraded if of course. What surprises me is no new small set has digital readout. Now I see little stick-on liquid crystal read-out clocks in department stores for about \$5 and even computers in the tops of ball-point pens. Why then can't any small radio be equipped with a read-out of liquid crystal or LEDs? The circuitry can't be all that difficult, especially as I am looking at a wrist watch which has a couple of those video games included in it. (I suppose this watch does everything but tell time.) (Robert Fraser, MA)

INEXPENSIVE EXTERNAL SPEAKERS: I recently bought a Kenwood R-600, and am generally very satisfied with it. However, the sound from the receiver's integral speaker is somewhat tinny and hard to listen to for long periods of time, and when the receiver is set for narrow bandwidth, voice is muffled and hard to understand. So I went down to the local amateur radio store to try out the various external speakers they sold. I knew they were expensive, but to my disappointment, they did not sound much better than that from the receiver itself. The SP-230 (about \$75) did sound better, and it comes with some switchable audio filters, but I was reluctant to spend that much money. I decided not to give up so easily, and went to Radio Shack. They sell a number of small speakers-in-a-box at low prices. I tried them out in the store, using a weak AM ECB station to test for voice intelligibility. I ended up buying a Minimus-3 for about \$13; it is a 4-inch speaker in a considerably larger box, and is meant for use with cheap stereos. It has the usual vinyl "walnut" case, which clashes nicely with the gray metal of the R-600. My R-600 sounds much better now. Even narrow bandwidth voice is quite intelligible, and SW broadcast music is finally pleasant to listen to. Listening is noticeably less fatiguing. The receiver has no trouble driving the larger speaker. I also discovered that all the clock radios

and other small radios around the house sound much better when this better speaker is plugged into their earphone or external speaker jacks. (Dan Halbert, CA)

VARIABLE ATTENUATOR: Have you ever had the problem of an extremely strong signal bending your S-meter around the pin? I've found very often that BBC, Radio Netherlands, and various other pumpers of megawatts have made their reception difficult at best. It usually helps to plug in 10 db of attenuation to reduce signal strength and the resulting distortion. My IC-720A has a built-in 10 db attenuator or which makes life easy. On the other hand, my R-1000 has three rather unusable attenuation steps: 20 db, 40 db, and 60 db. Fortunately, the American Radio Relay League has come to the rescue. On page 11 of the September 1982 QST, the League's official journal, there is a very simple project which will ease attenuation problems. The article describes in detail how to construct a step attenuator that is variable in 1-db steps up to 81 db. According to the article, the attenuator can be fabricated from readily available parts. Otherwise, a kit is available from Circuit Board Specialists, P.O. Box 969, Pueblo, CO 81002. The price given for the kit is \$15.00 complete. You can probably find the September, 1982 QST in the library about now. If not, it is available for \$2.50 from: ARRL, Inc., 225 Main Street, Newington, CT 06111. For you technically-inclined R-1000 fans, it's a very easy thing to select three attenuation steps and plug them directly into the R-1000. I intend to modify my own by replacing R-10 through R-18 on the RX Unit circuit board with the appropriate resistor valves. Once I've done it and it works, I'll write a brief article describing the modification exactly. (Donald K. Black, MA)

NEW GE SHORTWAVE RECEIVER: SPEEDXer Larry Magne on RCI's DX Digest 9/18 recommended General Electrics new World Monitor II as a first receiver. It resembles Panasonics soon-to-be-discontinued RF-2600, and is comparable to the RF-2900 though cheaper. (A paper clip, however, must be used on the digital readout switch to keep it "on!") Larry did not say so, but it is already available in the USA for \$229 (plus \$5.50 UPS) from: The Sharper Image, 406 Jackson St., San Francisco, CA 94111. (Dave Maxfield, MI)

ATTENTION LW AND UTE FANS: Now that a subject index of chief articles 1974/81 (v.1-v.8) has appeared in its August 1982 number, the back files of The Lowdown (monthly organ of the Longwave Club of America) constitute a virtual encyclopedia of longwave listening and experimental transmitting. Almost all back issues happily are for sale; contact: W.R. McIntosh, P.O. Box 33188, Granada Hills, CA 91344. For current subscriptions apply to: W.E. Oliver, 46 Wildflower Rd., Levittown, PA 19057. (Dave Maxfield, MI)

RECEIVERS DROPPED FROM RADIO SHACK: Missing in Radio Shack's 1983 catalog is the DX-302 and DX-200. I contacted our local Radio Shack and was advised that these have been discontinued. At the present there is no replacement for these receivers. The dealer said that they may come out with a replacement model sometime next year, but he did not know. The DX-100 and two low cost portables, the DX-66 and the DX-55 are still available. (Sam Alexander, NC)

HAM ENCOURAGES SWLING: Mark Johnson in SPEEDX (9/82, p.55) states that "hams and SWLs can exist without conflict. . . by taking the time to understand. . . their respective hobbies." Reinforcing this view, Bill Welsh (S6DDB) has just concluded six installments entitled "Short-wave Listening" in the amateur monthly QO (May-Oct., 1982). Even though these well-written articles condescendingly appear in the "Novice" section of the magazine, stress ham viewpoints, and sometimes fall short of what a true SWL/DX fanatic would write, they are technically very good and should help to improve our image in the amateur world. Hopefully, some equally illuminating articles dealing with ham radio sometime will appear in the SWL/DX press. (Dave Maxfield, MI)

MORE ON POPULAR COMMUNICATIONS: I was not impressed by the first issue I saw of the new Popular Communications magazine. It's an attractive, slick paper monthly but the information it contains is not much. Two pages of SPEEDX gives more info than all 8 pages of Popular Communications. It attempts to cover the whole spectrum of listening—Scanners, VHF/UHF, SWL, DXing, etc. But a disappointment to me—at least this first (October 1982) issue I've seen. It's available on New York City Newstands. (Roger H. Peterson)

COMPUTERS AND ELECTRONICS: To enjoy SPEEDXer Glenn Hauser's "DX Listening column," one must now find copies of Computers and Electronics; for as of Nov. 1982 this is the new name for Popular Electronics. (Dave Maxfield, MI)

DX TIPS BY AN OLD MASTER: 79 year old SPEEDXer Larry Brookwell operates the International DXer's Club of San Diego (1826 Cypress St., 92154) almost single-handedly. Usually, his interesting monthly Bulletins (\$10/yr in USA) chiefly contain announcements and evaluations of new receivers and SWL/DX accessories. These are later edited and collected into valuable Equipment Review booklets. From time to time, the IDXCSD Bulletin also contains articles of wide general interest. For example, the issue for 9/82 (i.e., No. 52) offers two pages (pp. 11-12) of "DXing Tips" that will be most helpful to newcomers to the hobby. (Dave Maxfield, MI)

Merry Christmas and Happy Hanukkah to everyone this holiday season.

*73's
Arthur*

CONTRIBUTORS LIST:

DECEMBER 1982

Edited by Mark Koukol, P.O. Box 321, De Kalb, IL 60115

First, the GOOD NEWS: Merry Christmas!! Now, the bad: there were just 116 contributors this month, down considerably from last month's total of 164. This is probably due to the fact that 1) our CDE Peggy Thompson has moved back to her original QTH, no doubt delaying mail sent to her ex-East Coast address(back to CA after cleaning up on Greenland, CKZN, and Burundi, eh Peggy? hi!), and 2) direct contributors lists were received from only Western Hemisphere, Africa, and Europe editors as of 11/17/82, when time limitations due to an unexpected trip forced me to "go to press" a day early. Please be assured that any late credits received here will receive credit next year(month).

Occasionally, a credit line may be missed by our editors(we're human!) and you may not receive appropriate credit here. If it does not show up the next month in your total, please feel free to contact me directly and let me know what page/item in SPEEDX the unmentioned contribution appears in, and I will see that you receive proper credit.

Please remember that you receive 1 credit per column reported to, and that columns other than SWBC/QSL/UTES/SKEDS are not credited here, but directly by the membership chairman.

Contributions which include credit(s) from last month are marked with an asterisk.

2	ADDISON, Joe	KS	R-600	4	HILL, Elaine	SC	FRG-7700
2*	ANDREW, Jim	LA	DX-302	1	HORVITZ, Robert	RI	?
3	BARRET, Jim	PA	?	6	HOSMER, Don	MI	RF-3100
1	BARTSCH, Eric	MN	R-1000	3	HOTALING, Stan	NV	RF-2800
4*	BEAL, Hobart	WA	R4C	1	HUFFAKER, Carl	MEX	Homebrew
1	BERRI, Jason	CA	RF-2900	3	JAMES, T.L.	NC	ICF-7600
2*	BLACK, Don	MA	IC-720A	10*	JOHNSON, Mark	ID	DX-302
2	BLAKE, Jerry	IN	FRG-7700	3*	JONES, David	VA	5-151-1A
3	BURKE, Lynn	VA	SPR-4	1	JONES, Jack	MS	R-600
3	CARLSON, Virgil	WA	SX-190	3	KERRIGAN, Pat	IL	R-1000
3	CEREGHIN, John	MD	DX-302	6	KLASEK, Terry	MO	HQ-180A
2	CLAYTOR, Dave	MI	R-1000	1	KOEHLER, Wayne	IL	?
1	CLEVELEY, Russel	NY	DX-160	6*	KRIST, Kraig	VA	FRG-7700
5*	COLEMAN, Bob	MA	FRG-7	1	KROLAK, Eugene	MI	FRG-7700
3	CRAIG, Cal	OH	SW4A	1	LEDFORD, John	NJ	?
1	CREAMER, John	CO	R-1000	1	LEEMAN, Fisher	RI	?
4	CUCURA, Vladimir	PA	R-7	4	LEONARD, Mike	ME	R-1000
1	CUPPY, Brad	IN	ICF-2001	3	LINDLEY, Terry	CA	DX-300
4	D'ANGELO, R.	PA	NC-190	7*	LORD, Earle	CA	FRG-7700
3	DEMMITT, John	PA	Homebrew	2	LUCAS, Richard	CA	R-1000
8*	DROLLINGER, Rick	WI	HQ-160	5*	MCCANTS, Don	AL	RF-2299
2	DUNCAN, Gregory	NC	DX-302	2	MCLAIN, Lois	CA	SPR-4
4	EARHART, Ken	PA	NRD-505	1	MARIN, James	FL	R-600
2	ENGLISH, Don	TX	DX-302	3	MARSHALL, Ron	AZ	FRG-7000
1	ERAMO, Mark	MA	RF-2200	1	MILLER, Bill	CA	DX-300
2	FAMA, L.	CA	ICF-2001	6*	MILLS, Craig	VA	DX-150
2	FAMULARO, Ralph	CA	RF-2800	4	MOMAN, Don	AB	R-7
2	FISHER, John	MA	GPR-90	2	MOORE, Michael	TX	DX-302
1	FORRESTER, Eric	SC	?	4	MOUNTAIN, Gerry	BC	FRG-7
3	FORSMAN, Stan	CA	R-392	2	MUNSTER, Ralf	GA	DR7/FRG7700
6*	FRASER, Robert	MA	XCR-30	4	MURFP, Nathan	NM	FRG-7
1	GALLAGHER, R.	MA	DX-302	3	MURPHY, Mark	NY	ICF-2001
3	GILSTER, Paul	NC	ICF-2001	2	MUZYKA, William	NY	RF-4900
2	GREENWALD, Jeff	WY	DX-100	1	NIKOLICH, Mike	IL	HQ-180
4	GRIJALVA, G.	AZ	SPR-4	1	NORCROSS, Robert	CA	?
5*	GRISHIN, Ivan	ON	?	1	ODOM, Frank	FL	DX-60
5*	GROSVENOR, Norm	CA	FRG-7	2	OLSON, Carl	MD	IC-R70
9*	HAHN, Jeff	CA	FRG-7	10*	PARKS, William	FL	HRO-60
4	HALBERT, Dan	CA	R-600	4	PFEFFER, Morris	NY	RF-2200
3*	HAMER, Mike	MN	ICF-2001	3	PICARELLI, Tom	CA	FRG-7
2	HARRELL, Rich	IL	RF-2900	3*	POTORTI, Bill	NV	?
2	HARRINGTON, Rob	CO	R-1000	2	PRESTON, Bill	CA	R-600
1	HECHT, Bob	PA	RF-4900	2	PROVANCE, Terry	OH	?
12*	HESCH, Ruth	NY	R-1000	4	RAY, Richard	PA	FRG-7700

4	ROBICHAUD, Ivan	NB	R-1000	5	THOMPSON, Peggy	CA	FRG-7
1	SABLE, Thomas	NY	FR-6600JW	5	UIMER, Doug	LA	R-1000
3	SANDERSON, John	AZ	R-1000	2	VAN HORN, G. & L.	TX	RF-3100
4*	SAUNDERS, Don	NJ	RF-4900	1	WALCUTT, David	NY	R7A
2	SCHLESINGER, M.	TX	FRG-7	3	WARD, Barry	NE	FRG-7700
2	SCHULSINGER, M.	OH	FRG7/R390A	1	WELCH, Frank	MA	ICF-6800W
2	SHAMBLIN, Bill	CA	RF-2200	1	WERTEPNY, Doug	MB	?
6	SIENICKI, Steve	NJ	DX-200	3	WIEBOLDT, Bonnie	FL	DX-300
1	SMITH, Tom	FL	XCR-30	7*	WILCZEK, Bob	IL	DX-160
1	SPARKS, Bill	CA	R4B	8*	WILKINS, John	CO	R-1000
1	STONE, Wilfred	ON	FRG-7000	1	WORMWOOD, Elwin	NY	FRG-7
3	SUGAI, Kazuhiro	JP	RF-1330	1	YOST, Scott	MI	FR101
4	TATE, Harold	WV	Sears 412	2	ZILMER, Bob	NM	R-1000
8*	TAYLOR, John	MO	DX-160	9*	ZOLLA, Rick	CA	FRG-7

Thanks to the several reporters who sent in corrections to me for their name and receivers! Anyone else out there with a "?" for their rig or a misspelling in their name or QTH, please let either me or one of the other editors know so I can correct it on my main list.

By the way, I have been using these abbreviations for the provinces of our Canadian members: NB=New Brunswick, NS=Nova Scotia, ON=Ontario, PQ=Quebec, MB=Manitoba, SK=Saskatchewan, AB=Alberta, BC=British Columbia. Just to set the record straight for those who thought we picked up a few extra states, hi. Other country abbreviations include: JP=Japan, FRG=Federal Rep. of Germany, UK=United Kingdom, MEX=Mexico.

Once again, a merry and blessed Christmas to all, and a happy 1983! To those constructing indoor beverage antennas on New Years Eve, I've had best results with Labatt's Ale and Foster's.... and to all, a good night!

73s, Mark W0XQJKU/W8QFKP

ATTENTION CLASSIFIED AD SEEKERS: For this month only the ads have been moved to page 26. See also a note there concerning the A/O Section. (jrt)

→ TIME CONVERSION WITHIN THE US OF A ←

GMT	PST	MST/PDT	CST/MDT	EST/CDT	EDT	GMT
0000	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	0000
0100	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	0100
0200	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	0200
0300	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	0300
0400	8:00 PM	9:00 PM	10:00 PM	11:00 PM	MIDNIGHT	0400
0500	9:00 PM	10:00 PM	11:00 PM	MIDNIGHT	1:00 AM	0500
0600	10:00 PM	11:00 PM	MIDNIGHT	1:00 AM	2:00 AM	0600
0700	11:00 PM	MIDNIGHT	1:00 AM	2:00 AM	3:00 AM	0700
0800	MIDNIGHT	1:00 AM	2:00 AM	3:00 AM	4:00 AM	0800
0900	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	0900
1000	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	1000
1100	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	1100
1200	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	1200
1300	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	1300
1400	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	1400
1500	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	1500
1600	8:00 AM	9:00 AM	10:00 AM	11:00 AM	NOON	1600
1700	9:00 AM	10:00 AM	11:00 AM	NOON	1:00 PM	1700
1800	10:00 AM	11:00 AM	NOON	1:00 PM	2:00 PM	1800
1900	11:00 AM	NOON	1:00 PM	2:00 PM	3:00 PM	1900
2000	NOON	1:00 PM	2:00 PM	3:00 PM	4:00 PM	2000
2100	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	2100
2200	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	2200
2300	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	2300

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