

SWL FLOW

FEBRUARY, 1989

Volume 19, Number 2

The 2nd annual WINTER SWL FESTIVAL

February 25-26, 1989. Hospitality room will be open Friday evening.

Holiday Inn, Sumneytown Pike, Kulpville, PA 19443 (215) 368-3800.
Exit 31 of the PA Turnpike Northeast Extension (Lansdale interchange).

There is limo service from Philadelphia Int'l Airport directly to the Holiday Inn.

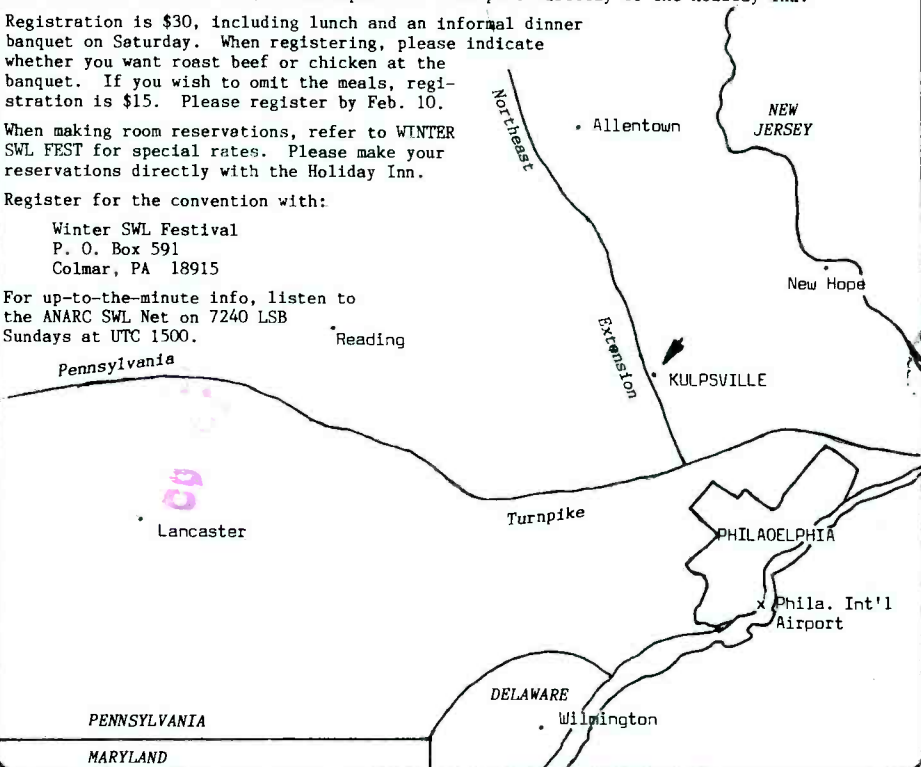
Registration is \$30, including lunch and an informal dinner banquet on Saturday. When registering, please indicate whether you want roast beef or chicken at the banquet. If you wish to omit the meals, registration is \$15. Please register by Feb. 10.

When making room reservations, refer to WINTER SWL FEST for special rates. Please make your reservations directly with the Holiday Inn.

Register for the convention with:

Winter SWL Festival
P. O. Box 591
Colmar, PA 18915

For up-to-the-minute info, listen to the ANARC SWL Net on 7240 LSB Sundays at UTC 1500.



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|---|---|
| 2. SPEEDX SPOTLIGHTS/EQUIPMENT EXCHANGE, John Trautschold | 17. WESTERN HEMISPHERE, Thomas F. Sable |
| 4. DX MONTAGE, Eddie Janusz | 20. EUROPE, Daniel Sampson |
| 6. LATIN NOTEBOOK, Carl Huffaker | 24. USSR, Jason Berri |
| 8. TECHNICALLY SPEAKING..., Kent Willis | 26. AFRICA, Al Quaglieri |
| 10. CONTINUOUS TUNING, Bruce MacGibbon | 31. ASIA/OCEANIA, William Westenhaver |
| 14. WHAT'S ON..., Daniel Sampson | 36. QSL REPORT, Ray Forsgren |
| | 40. UTILITY SCENE, Paul Lannuier |

Join Bob Brown KW3F, Ed Cichorek, Rich D'Angelo, Fr. John Eckert, Sheldon Harvey, Bob Horvitz, Eddie Janusz, Paul Lannuier, Don Thornton, Bob Thunberg (we hope!), Fred Trescher, Bill Westenhaver, and dozens of other radiophiles at the Winter SWL Fest... You've got friends in Pennsylvania!

THE DX MAGAZINE FOR ACTIVE SWLS

Spotlight on...



FEBRUARY 1989

EDITED BY: JOHN TRAUTSCHOLD AND THE ATARI 1040ST COMPUTER
354 N. WINSTON DRIVE, PALATINE, IL 60067-4132

TOTAL CONTRIBUTORS: 63

1	ABBINANTE,	PHIL	IL IC-R71A	5	KLINE,	JAMES	CA FRG8800
1	ALEXANDER,	HARRY	NJ NRD525	1	KUSALIK,	EDWARD	AB FRG7000
1	ALEXANDER,	SAM	NC DX-302	1	LAVES,	ALAN	TX R390A
1	ATKINS,	GUY	WA IC-R70	6	MATSUSHITA,	YUKIMASA	JP
3	BARBER,	C.L.	IL	6	MEINHARDT,	WARREN	IL R2000
3	BERRI,	JASON	CA R2000	10	MILLER,	WILLIAM	CA DX400
2	BISHOP,	FORREST	NY RF4800	1	MORBY,	LINDA SUE	NY R5000
1	BLIGHT,	WILLIAM	MD FRG8800	1	O'CONNOR,	PATRICK	NH IC-R71A
2	BROWN III,	EDWARD	IL ICF6800W	1	PFEIFLE,	KEVIN	NY
1	BRYANT,	MICHAEL	GA ICF2010	2	PRATH,	JOHN	FL IC-R71A
5	CARD,	PETER	RI NRD515	1	RADTKE,	CARL	CA SPR4
11	CICHOREK,	EDWARD	NJ FRG8800	1	RICHMOND,	KYLE	MD R2000
1	CODAY,	RICHARD	CA FRG7700	9	ROBINSON,	BETSY	TN FRG7700
1	CULP,	DAVID	DC ICF2002	2	ROCKER,	RAYMOND	MS FT757GX
6	D'ANGELO,	RICHARD	PA NC190	1	RUSSELL,	RICHARD	AL IC-R71A
5	DILLON,	PETER	GR DX400	6	RYAN,	TERRY	NY NRD525
2	ECKERT,	JOHN	PA R5000	1	SNYDER,	DAVID	NY RF2800
3	EHLY,	STEWART	IA IC-R71A	3	STANLEY,	TREVOR	AZ NRD515
2	EVANS,	JAMES	TN IC-R71A	1	STROH,	EDWARD	IL
5	FAMULARO,	RALPH	NJ FRG8800	1	STUART,	JERRY	OK ICF7600D
7	FISCHER,	GREG	WI NRD525	1	THORNTON,	DON	NJ
4	FRASER,	BOB	MA XCR30	6	TRESCHER,	FRED	PA ICF2010
1	GEORGE,	NELSON	NC IC-R71A	3	VALENTINE,	F.A.	CA IC-R70
12	GEORGE,	STEVE	MA R5000	2	WAKEFIELD,	PAUL	IA ICF2010
1	GERSTNER,	JOHN	NY DX1000	3	WALLACE,	ANDREW	MA
1	GORDON,	ANDREW	CT NRD515	1	WEBER,	DONALD	OH R2000
1	HALSTEAD,	GARIE	WV ICF2001	9	WESTENHAVER,	WILLIAM	PQ ICF6500W
1	HALVERSTADT,	JAKE	CD DX-100	1	WHITE,	DARREN	NS R1000
1	HANSON,	JEFFREY	WA	1	WITTE,	MARJORIE	CA R5000
2	HOWELL,	JOE	CA	1	WOERING,	HAROLD	MA R1000
4	JANUSZ,	ED	NJ ICF2010	1	WRIGHT,	PHILIP	MB DX400
1	JONES,	BRIAN	TX IC-R70				

THE FOLLOWING COLUMN WAS MISSING FROM LAST MONTH'S LIST: AFRICA

THE FOLLOWING COLUMNS ARE MISSING FROM THIS MONTH'S LIST:
South & Central America / Asia-Oceania / Utilities

Just a quick note on the above <grin>... Actually, Africa has been missing for quite a few month's now...all the way back to July 1988! Now come on...don't be too hard on old Al Q.! He's got a lot of other duties besides his column with SPEEDX, and is definitely a hard working staffer! 6 month's late might be a tad high... but we'll excuse him for now (hi hi!) You should see how far behind I am on some things around the house...sheese!

WE HAVE A NEW FULL MEMBER FOR THE MONTH OF FEBRUARY...

JEFFREY HANSON.....WA

WE ALSO HAVE A FIRST TIME CONTRIBUTOR TO SPEEDX...AND HE IS...

KEVIN PFEIFLE.....NY

Welcome aboard Kevin. Thanks for your contributions and hope to see many many more as time goes on. If you have any questions/suggestions/complaints/or whatever...make sure to send them in. We're all here for you!

In addition, we'd like to welcome back Don McCants of Alabama to the pages of SPEEDX. Good to see your name here once again Don!

DON MOORE of OHIO has this request: Anyone in SE Ohio or nearby parts of West Virginia and Kentucky interested in DX get-together's, please contact me. My phone number is (614) 592-5532 and my address is 2 1/2 Columbia Avenue, Athens, Ohio 45701. You can also contact Bob Carlson at Route 1 Box 292, Northlake Drive, Vincent, Ohio 45784.

ANARC EXECUTIVE COUNCIL ELECTIONS...

"Kirk Baxter (ACE), Don Moman (CIDX) and Bob Walker (MARE) have been elected to ANARC's Executive Council. Their two year term begins 1 January 1988. They join the previously-elected Council members: Terry Colgan (NASWA), Tom Gavaras (MDXC) and John Trautschold (SPEEDX). In related news, Bob Horvitz was elected to a two-year term as ANARC's Executive Secretary..."

And speaking of ANARC, if you haven't subscribed yet to the ANARC Newsletter, why not do it today. The monthly bulletin contains tons of information about all of the ANARC member clubs, equipment reviews, news from the ANARC Computer Bulletin Board, information about upcoming conventions, and much much more. The price is only \$8.00/year US; US\$8.50 for Canada & Mexico, and US\$13 elsewhere. For more information or to subscribe, write today to ANARC Publications, P.O. Box 462, Northfield, MN 55057 USA. You'll be glad you did! It's an excellent publication for the money.

Also, if you own a computer (doesn't matter that kind) and a modem that supports either 300 or 1200 baud, why not call the ANARC BBS today and *sign-on*? It's totally free... and the amount of information that passes through the board daily is staggering. It's not just for SW DXer either! There are special conferences for all types of listening. SPEEDX even has it's own conference where you can chat directly with some of the column editors. Broadcast personalities such as Jonathan Marks frequents the board. See what you are missing? To log on just call (309) 688-0604 and follow the prompts...it's that easy! Have fun! I do!

DO YOU GIVE YOUR RECEIVER A NAME???

For those of you computer nuts that regularly read BYTE magazine and Jerry Pournelle's column, you know that he gives all of his computers names. I had never thought about giving a SW receiver a name, but Warren Meinhardt does... his Kenwood R-2000 is called "Kenny" (appropriately enough) and I think that's neat! Anyone else out there have a name for their receiver?

FOR SALE...WANTED...etc...

Member Michael Faraon of CA has a ton of stuff to sell at some really excellent prices. Although reluctant to part with the equipment, he feels he must due to an increasing hearing loss. This is what he has: A 9-month old Kenwood R5000 (with both the YK88A1 & YK88SN SSB filters, "Beep Shut-off" and the Time/Scan mods...installed by Universal), 2 owners manuals, service manual, original cartons, etc., plus a 1 month old Datong FL-2 audio filter (with AC-DC converter). He's also throwing in a 1988 WRTH and all DownLink issues, 1988 Passport to World Radio, all of 1988's Monitoring Times, SPEEDX, Pop. Comm., 6 months of Glenn Hauser, many books including "SW List. with the Experts", Fine Tuning, "1988 Proceedings", Alpha Delta Transitrapp LT, etc. He's asking \$875 for the batch and will ship UPS prepaid. His original cost (not counting extras) for radio, mods, and Datong was \$1041...current cost new is \$1185. He will also transfer to the buyer his new subs. to Monitoring Times. Michael's address is P.O. Box 20, Phillippsville, CA 95559. You may also call (707) 943-3217. Please...no collect calls though! This is an *excellent* deal for some lucky SPEEDXer!

73 $\frac{1}{2}$ GUD DX



VOTE!!

DX Montage

its easy!

its fun!

THE SPEEDX POLL

Ed Janusz

Box 149

Bricktown, NJ 08723

Hi. Welcome to the all-new, slimmed-down, 93.5% babble-free DX Montage! And, boy, do we have some FUN for you this month!!

***** THE 1989 SPEEDX POPULARITY POLL! *****

RULES: Please answer *SOME*, *MOST*, or *ALL* of these questions, and get the responses to me by 12 May (via Dave by 5 May).

ELIGIBILITY: Everybody who reads this can vote. Please put your name on your ballot, and please write legibly--that's all I ask.

1. What are your favorite INTERNATIONAL BROADCAST stations? (Up to 5).
2. What are your favorite TROPICAL-BAND stations? (Up to 5).
3. What are your favorite stations for MUSIC? (Up to 5).
4. Which station has the best REGIONAL or NATIONAL NEWS coverage?
5. Which station has most INCREASED YOUR INTEREST in its country's culture, politics, society?
6. Which station has most INCREASED YOUR SYMPATHY for the situation or problems which exist within its country?
7. What are your five favorite PROGRAMMES? (Up to 5).
8. Who are your favorite INDIVIDUAL ON-AIR PERSONALITIES? (Up to 5).
9. Which stations have your favorite ON-AIR STAFF in general? (Up to 3).
10. What is your favorite RELIGIOUS station?
11. What is your favorite COMMUNIST station?
12. Which stations do you wish you could HEAR BETTER? (Up to 3).
13. What is your LEAST FAVORITE station?
14. What are your favorite INTERVAL SIGNALS? (Up to 3).
15. Which station issues the most attractive QSL CARDS?

Special for DXers:

16. What was your top RARE DX CATCH of 1988? (SWBC or Utility).
17. What was your most PRIZED QSL CATCH of 1988? (SWBC or Utility).

*

Last year's Poll had a disappointing turnout. There may have been reasons for this besides total disinterest: It came out during an unfortunate time of personnel transitions and late/missing issues, and also some of you may have been irritated that the results of the 1987 Poll never got printed. (I wasn't wildly happy about that myself). Anyway, nobody wrote and said, "I'm not answering because your questions are dumb," so I'm not tinkering with the format too much. I just hope that many of you are motivated to cast a ballot this year.

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FROM SHORTWAVE TO STAR WARS--AFRTS LIVES! by DAVID BURGIN

This week a letter arrived from Colonel Tom Hansen of the Department of Defense: During December, AFRTS resumed broadcasts via the International Maritime Satellite (INMARSAT) system. The DoD was convinced by Naval personnel that INMARSAT would be more reliable..."no shortwave fading!" The bottom line is that this service costs less than renting VOA's transmitters, plus it provides 24-hour service.

You might consider an L-band antenna which would help greatly in pulling in INMARSAT. Another alternative would be to take the Armed Forces Fact Sheet advice and purchase what they call the Basic Unit, which consists of the following:

a 48-inch reflector dish; LNA; mount; 100' of interconnecting cable; and simplified instructions for installation.

Unit cost: US \$5,570; here in Canada, CN \$ 8,114.40, exchange and duty included. OUCH!!

If you start now, you have a couple of months before baseball season to purchase your equipment. How many season tickets can you buy for the same

amount of money? Shortwave fading doesn't bother me that much!
David, I promised a babble-free column, so I'm gonna resist the urge to run my mouth about baseball, except to say that I hope that the Cubans shut down that zillion-watt transmitter on 1080 kHz in time for me to catch the Red Sox this year. Thanks for writing!

(MORE) CANADIAN CONTENT

You might have missed RCI's great new programme, "Latitudes," as it's only on at 13:30 on Wednesdays. "Latitudes" is an arts/culture magazine. One edition I enjoyed in particular concerned Montreal's all-but-forgotten jazz scene (a book was recently published about it); this happened when a number of Black American musicians settled in Montreal in the 40's and 50's to enjoy the city's relatively easygoing racial climate, and started up some new big bands & bop groups with some ultra-hip Quebecois jazz players. The scene was pitifully under-recorded, but host Aldo Marchini managed to dig up some discs which grooved your editor into prime time before his time! Friends, this is a wonderful programme, and a must for anyone who still thinks, "Canada's nice and all, but there's nothing happening."

So, what have you been listening to? We at SPEEDX want to serve the listening audience, so send your schedules to Bruce and your opinions to me.

*

WILLIAM T. FARMERIE, R. I. P.

We were sad to learn of the sudden passing away of William T. "Tom" Farmerie in December. Mr. Farmerie, a Massachusetts resident, was an active SPEEDXer in the 70's, and many of you may remember seeing his name in these pages. In recent years, his interests turned more to AM DXing, and he contributed many fine essays and musings to the National Radio Club throughout the years.

*

MEET KEN! b/w CONVENTION NOOZ

The Michigan Area Radio Enthusiasts are holding a special meeting on Saturday, 25 February, at the Henry Ford Centennial Library in Dearborn, MI, at 2:00 PM. The guest of honor is HCJB's own Ken MacHarg. For more information, you can contact Bob Walker, PO Box 311, Wixom, MI 48096. If you live in Michigan or thereabouts, I think you'll enjoy finding out about MARE; this club showed up in force at ANARCON '87, and they're a fun bunch of people.

Mike Schulsinger forwards some preliminary information about the Dayton Hamvention; if you wanna learn more, write to the Dayton Amateur Radio Association, PO Box 2205, Dayton, OH 45401.

Here's another convention: It's in Partaharju, Finland, on 11-13 August (that's near Pieksämäki, which I know will help you all a lot...). It sounds like a nice place, actually, so if you plan to be in the area, you can get more info from the Finnish DX Association, PO Box 454, SF-00101 Helsinki, Finland.

THE SPEEDX DIRECTORY, MAYBE

We are tentatively planning on making a membership roster available--maybe a full one (though there wasn't very much interest last time the club offered this), and maybe a series of regional directories. This won't happen for some months, and it may not happen at all unless there's a show of interest. Anyway, if this sounds like a fun idea--or if you would prefer not to have your name and address released--let me know, and I'll refer the information to whoever does end up compiling the directories.

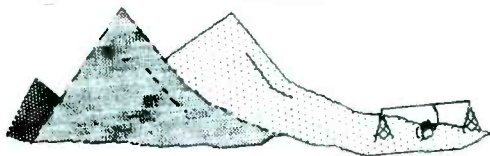
LOOKING GOOD!

Do you like our new back cover and our spiffy new mastheads? Thanks to Bob Bodell, Daniel Sampson, and especially to Kent Willis. I had a chance to type over Carl's "Latin Notebook" this month; since then, Carl has acquired a nice new typewriter, so the improvement in legibility will be permanent. I know you'll like the new format of "Utility Scene;" and Daniel has made the "Broadcast" column more legible--still the most up-to-date list of broadcast times around, and now easier than ever to use. Incidentally, that column is now called "What's On..." Friends, this may make SPEEDX the only bulletin around that has two columns whose names end in ellipses (these things...), but I have no way of looking this up, so this unique little statistic may have to remain one of life's mysteries....

SPEEDX will be out in force at the Winter SWL Festival--hope to see "U" there! Meet 2 Directors, at least 3 columnists, and maybe even a Treasurer --one never knows, do one? 73's,

Zoddie

Latin Notebook



Carl Huffaker
Domicilio Conocido
Huasca De Ocampo
Estado De Hidalgo
Mexico

In Colombia, Caracol continues its game of musical chairs. To review the moves:

1. In June Caracol reactivated its shortwave outlet on 4755 kHz to carry the primary (they use the term basic) Caracol program. The station ID's with "Esta es HJKC, 850 kHz," the MW ID.
2. At this time, Caracol, Nieva on 4945 kHz, which had been the shortwave outlet for the basic network, left the air.
3. In September the 6150 kHz station in Nieva, previously the shortwave outlet for HJFR, appeared carrying Caracol basic programs and IDing "Esta es HJJR, 1010 kHz en Nieva."
4. In November the 4945 kHz station reappeared carrying the Radio Reloj programs and IDing "Esta es HJFR, 1210 kHz en Nieva, Colombia." This had previously been the shortwave outlet for HJJR.

The moves left more than a few DXers thumbing through their station lists, but it was nothing more than exchanging the shortwave outlets of Caracol's two Nieva stations so that both networks would have national (?) coverage in the 60 meter band. The "?" refers to the growing competition between Colombia and Venezuela for radio dominance in the Amazon area.

In Venezuela, there's been activity. Radio Continental de Barinas, new to shortwave, started its 24-hour schedule on 4940 kHz in November. Radio Mundial Caracas returned to shortwave on a 24-hour schedule less than a month before. In Bolivar, Radio Mundial Bolivar has been more active than ever, though I wonder who listens to their hour-long ad blocks. And even Radio Mara stays on all night Saturdays. If you listen to the dedications, you'll realize that all these stations have an across-the-border secondary target area.

The increase in activity should continue as the holiday season is approaching and both Colombia and Venezuela extend their broadcast schedules with programs of late-night party music for the season.

At Mass today the priest announced a pilgrimage to the Basilica of Guadalupe in Mexico. I find it a long drive and can't imagine walking that far, but many, some with more years than I, do manage. The thought makes intensive monitoring this season more attractive than ever. I will try to get to Huayacocoatl for an update on that station before next month's column. They're rather isolated from the Capital and should have some interesting broadcasts around Christmas. Remember that the Latin American Christmas continues until Three Kings Day in January.

I have an antenna up, not really up as the supports are temporary and far too low. The cattle walk under it easily, but the wire would behead a horseman. It's a Delta Loop that I mounted horizontally and seems better than ever for the tropical bands. I followed sunrise across Africa, South America, and the Pacific Islands with very good results last night. But I'm most impressed with the mid-day reception from Central America. The stations seem to have more local color when they know their coverage is limited, so don't forget your recorder if you plan a trip south.

A quick note to fill the page. Several have asked if Sani Radio is still on 4755 kHz. They are. I catch them at their 22:30 sign-on before Caracol fades in.

Radio Kek'chi. When the first QSL's began to arrive, information that the name was "correctly spelled with an apostrophe" traveled faster than a DX tip. It was one of those...status symbols.

But that's no apostrophe. It's the typewriter's nearest equivalent to a mark linguists use to indicate a non-Indo-European phoneme when transcribing Kek'chi, the Indian language of the Verapaz region of Guatemala. The spelling has been universally adopted in Guatemala, and through the radio world, in the United States.

After listening rather closely, and Radio Kek'chi is "like a local" here, I believe that the rather subtle phoneme could have been omitted and Kekchi, which would better express the sound transmitted under tropical band DX conditions, used instead. But there are a lot of "apostrophes" in Kek'chi, so Kek'chi is correct.

Kek'chi is the broadcast language of Radio Tezulutlán, a Catholic station, so now the Kek'chi-speaking people have a choice despite the governments' swings from one Church to the other.

Modern Kek'chi, like other Indian languages in the area, consists of three levels. (1) Basic is the original language as it existed before European contact. (2) Second is a Spanish-based Pidgin covering those items and concepts introduced by the intruding culture. This would include Spanish words that have been adopted without change, but distorted in their adopted pronunciation. (3) Spanish religious terms the missionary hesitated to translate because of their ritual association.

Sometimes, especially in religious ceremonies, the result sounds like heavily accented Spanish, but it's pure Kek'chi.


The Americans have always been a language force in the area. Mexico is a classic example. Originally, and they still do, the Spanish spelled the name "Mejico" as the "h" sound of the Spanish "j" was closest to the Indian phoneme for the middle syllable. But the New World Spanish scholars substituted an "X" which meant, no letter available for this particular sound. Mexico adopted the X-spelling, but retained the original pronunciation, and it was the Americans who forced the X-sound into the name. In time, in the States at least, the apostrophe in Kek'chi will take on its English omitted-vowel meaning, and the soft Kek'chi phoneme will have disappeared.

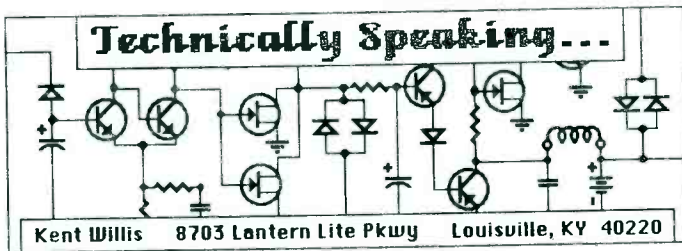
A quick rundown on the radio languages in Guatemala.

Radio Kek'chi broadcasts in Kek'chi, so does Radio Tezulutlán.
Radio Mam broadcasts in Mam
La Voz de Atitlán in Tzutuhil
La Voz de Nahuala in Quiché
Radio Chortis in Chorti

All broadcast also in Spanish with the Indian language/Spanish ratio directly reflecting the language ratio of the local population.

I've been slow getting organized here in Huasca. One day slips into another the way they do in the country where life goes by seasons. Some days are almost completely lost by an all-night DX session when conditions are good, and others by a run to Mexico for the mail, bank, or whatever. The house remains "almost finished," but slowly moves toward that goal. The situation that precipitated my move here was on a civil level, but could have required a residence in the States for a time. It was closed a few days later with the report that I'd left and would be difficult and highly expensive to reopen. By now, I could return to Mexico without problems, but Huasca is so much better radiowise that I have no intention of doing so. Although South American reception is rather improved by the change in QTH, the most dramatic improvement is with the Central American stations, which will undoubtedly be reflected in future columns.

73 



Welcome to this month's column. Where is everybody? Contributions to "Technically Speaking..." are running few and far between! With a SPEEDX membership of many hundreds, I am experiencing contributions from less than 1% of our readers! I consider a request to write about a particular subject a contribution. If there is any topic "under the shortwave sun" you would like to see discussed in this column, by all means let me know. This column belongs to YOU, I am only the editor.

My situation is different from those that edit the loggings and QSL sections. If I don't receive contributions from readers I still have a large amount of material from which to select and prepare a column. Please do not misunderstand my statements. I am not chastising anyone. I am only "thinking out loud". I enjoy writing this column, and I hope that you enjoy reading it. If you contribute, you **WILL** see the fruit of your efforts in this column. It may not appear in the next issue, and it may be edited somewhat if necessary, but it will appear as space and subject permits. Onward...

Principles of Audio Filtering : Part 1. Introduction

Out of the vast range of frequencies which man uses to transmit information, the audio range occupies only a very small portion of the spectrum. Electronic devices can create, transmit and receive information over an exceedingly large and fundamentally limited portion of the electromagnetic spectrum, which ranges from a few cycles per second (or "hertz", abbreviated Hz) to many billions of Hz. Human beings can hear sounds or "air pressure waves" of about 20 to 20,000 Hz at most, while many, particularly the elderly, can perceive only the lower frequency portion of this range.

The transmission and reception of a typical shortwave radio signal involves several frequencies. The RF carrier frequency, the desired audio information such as music and voice, the frequencies of the receiver mixer stage oscillator (which are determined by the type of modulation of interest and the design of the receiver) and several other undesirable frequencies which are unavoidably produced as a result of the physio-mathematical behavior of the receiver mixing process. The music or voice information is impressed upon the RF carrier (modulation), the composite wave is transmitted through space to the receiver, the composite wave is amplified and "mixed" or electronically combined with other frequencies and processed within the receiver with only one objective: to recover (demodulate) the original music or voice information. The recovered audio information is then usually amplified and converted from an electrical signal to an acoustical vibration with the well-known loudspeaker.

Communication receiver designers must make several tradeoffs while trying to produce a "pleasing" audio signal. The bandwidths of the many filters found in a modern receiver determine the overall quality of the

output from the speaker. In some designs, fidelity or faithful and complete reproduction of musical signals is the prime objective. This requires a wider receiver bandwidth. A wider bandwidth is fine (and preferred) for casual music listening, but it is very undesirable to a DX'er who is chasing a weak signal a few kilohertz or less away from an international powerhouse! The DX'er is much more interested in *selectivity* (the ability to select the signal of interest while rejecting other unwanted adjacent signals) and *intelligibility* of the desired station. Many more sophisticated and consequently, more expensive, receivers have multiple bandwidths which can be selected at the discretion of the operator depending upon conditions. Lower priced receivers usually only have fixed selectivity which is far too wide for DX'ing, or a "wide/narrow" switch which offers a meager compromise at best between fidelity and selectivity. Sophisticated filtering circuitry is expensive; manufacturers try to appeal to as large a portion of the potential market as possible by keeping costs down. They still correctly perceive that the average SWL is much more interested in music and voice fidelity than chasing weak DX hiding in the "background".

Top of the line receivers like the Kenwood R-2000 and R-5000, Icom R-71A, Japan Radio Company NRD-515 and NRD-525 can provide both fidelity and selectivity. But these receivers are all priced new in the over \$600 range! Incidentally, the audio quality of the R-5000 is superior to the others, which I have rigorously tested. The NRD-525 is an incredible receiver, but in my opinion, the audio quality leaves a great deal to be desired. (Now before all the Icom and NRD owners write me nasty letters, note the word "opinion"-- hit!).

Ideally, the overall bandwidth of a receiver should be no wider than necessary to recover only the information of interest. A receiver for only morse code (CW) would only need a bandwidth of few hundred Hz or less, but a receiver for "high" fidelity music would require a bandwidth on the order of 10 to 15 thousand Hz. To recover only voice information, a bandwidth of about 3 kHz (which ranges from about 300 to 3000 Hz) would be more than sufficient. This 3 kHz range was determined after considerable research by telephone engineers and scientists. Intelligibility, and most importantly, the ability of the callee to recognize the voice of the caller, are afforded with this relatively narrow bandwidth. Using a wider than necessary bandwidth will make it difficult to select the desired signal from the mishmash of every signal present in the passband. The so-called ability to "cerebrally filter" the composite audio which DX'ers develop with experience is the special talent of selective concentration which certainly helps the situation. But even the keenest ability often proves no match for the complex jumble of signals simultaneously present in the audio output of a SW receiver.

The overall selectivity of a typical communications receiver is determined by the bandwidth of the intermediate frequency (IF) stage. Anything that is present at the output of the IF stage will be passed on to the audio amplifier stage. It is usually "too late" to do anything about audio selectivity at this point, with the exception of adding some sort of "active" audio filter between the audio output jack and a pair of headphones or external speaker. Next month we will take a closer look at the Autek QF-1A audio filter and find out how it can help us isolate and copy an otherwise unintelligible signal. 73's and great DX,

KENT.

CONTINUOUS TUNING

Editor: Bruce MacGibbon
2295 N. E. Juniper Ave.
Gresham, OR 97030 USA

February 1989

Deadline is the 12th of the month

AFGHANISTAN - 4775, 0137, Kabul City Service, M w/news, 0138 soft Afghan vocals//6125 on 1/15 (Bob Bodell, OR)

AUSTRALIA -Radio Australia Frequency Guide Effective 1 January 1989:

ENGLISH SERVICE: Broadcasts are directed to the following regions: A Papua New Guinea; B Papua New Guinea, Japan, The Philippines; C Indonesia, Singapore, Malaysia, Thailand, Burma, Vietnam, Laos, Kampuchea; D Fiji, Western Samoa, Cook Islands, Tonga, Vanuatu, New Caledonia; E New Caledonia, Vanuatu; F China, Hong Kong, The Philippines; G Japan, Hong Kong, The Philippines; H India, Pakistan, Bangladesh, Sri Lanka; J New Zealand, South Pacific Islands. The Services are also heard outside primary target areas, particularly in the United Kingdom, Europe, Canada and the United States. 21740S t/E; 22-0730 17795S t/D; 17750D 0000-01 t/E; 01-04 & 05-06t/F; 17715C 01-0913 t/H; 17715D 04-05 t/G; 15415C 09-11 t/C&H; 15395C 01-09 t/C; 15320S 22-05 t/D; 15315S 05-06 t/D; 15240S 0000-01 t/C; 21-0730 t/J; 15240C 22-01 t/C; 15180S 01-03 t/A; 15160S 03-0730 t/A; 21-01 t/B; 21-07 t/E; 15140C 0000-0100 t/C; 11910S 04-0630 t/J; 11800D 11-1230 t/G; 11720S 0830-0930 t/D; 11705C 11-12 t/C; 9770S 10-11 t/C; 9770C 11-13 t/C&H; 9760S 09-10 t/A; 9710S 11-1330 t/C; 9655S 07-1030 t/J; 9645D 11-12 t/C; 9620S 20-2130 t/B; 9580S 08-2030 t/D; 7215S 11-13 & 15-2030 t/J; 7205S 12-1430 t/C; 7205C 1430-2030 t/H; 6080S 11-20 t/B; 6060S 1130-14 & 1430-2030 t/D; 6035C 1530-2030 t/H; 5995S 11-19 t/B; UNITED KINGDOM/EUROPE: RA suggests trying these freqs: 9655S 07-10; 7205C 1530-2030; 6035C 1530-2030; UNITED STATES/CANADA: RA suggests trying these freqs: 17795S 22-04; 15320S 22-02; 9580S 08-15; 6080S 1130-14. INDONESIAN SERVICE: 15365D 23-01; 11855C 23-01; 11705C 09-11; 9645D 09-11 & 1230-14; 9505C 21-22; 9505D 23-24; 7265C 1230-1430; 6035C 21-23; CHINESE SERVICE: 17750d 04-05; 15395C 04-05; 15170D 22-24; 11765D 1030-13; 11730D 22-24; 9720C 22-23; 7120D 1030-14; 7120C 13-14; CANTONESE: 7120C 14-1530; 7120D 14-1430; PAPUA NEW GUINEA SERVICE: 9710S 08-11; 6080S 08-11; 5995S 08-11; FRENCH SERVICE: 17795S 06-08; 17750D 06-08; 15315S 06-08; THAI SERVICE: 15380C 23-24; 9505C 23-24; JAPANESE SERVICE: 11800D 10-11 & 1230-1330; 9760S 10-11; 9710S 1230-1330; VIETNAMESE SERVICE: 9770D 1330-1430; 7135S 1330-1430; TRANSMITTING STATIONS: C Carnarvon, Western Australia 113 43 E/24 54 S; D Darwin, Northern Territory 130 38 E/12 25 S; S Shepparton, Victoria 145 25 E/36 20 S. (Via Keith Synnott, Publicity Officer, Radio Australia)

BELGIUM - BRT Freq Change @2200 & 1830 5910NF ex 5915 1/3(Kraig Krist, VA)

COLOMBIA - Radio Guatapuri - 4815 v/s Gustavo Cuello Diaz, Jefe de Programacion provides the following information in a f/d QSL personal letter: The broadcast I heard was the "Cierre del Vigesimo primer Festival de la Leyenda Vallerate "an annual celebration during the fourth month (watch for them again this April!) On August 30, they celebrated their 25th year of service; Also, Valledupar is capital of Cesar in the north of Colombia with 400,000 inhabitants & a production center for coffee. A very friendly letter (via Richard D'Angelo, PA)

DENMARK - Radio Denmark Sked as of 11/25: 0000-0052 SA 9605; 10-1052 Australia 17740; 11-1152 Greenland 15185; 12-1252 India/Asia 17740; 13-1352 E.NA 15165; 14-1452 S. Europe 25850; 15-1552 ME 17855; 16-1652 W.NA 15165; 1730-1830 Greenland 15165; 19-1952 ME/A.Afr 15165; 20-2052 S. Europe 11845; 21-2130 (M-F) Greenland 11900; 2130-2152 M-F S. Europe 11900; 21-2152 (Sa/Sun) Greenland 11900; 22-2252 Caribbean 11845; 23-2352 E.NA 6140 (Direct - Danish PTT via 'The DX Press 11/28 in ADXN)

FEDERAL REPUBLIC OF GERMANY -DW to NA as of 9/25: ECNA 01-0150 6040, 6085, 6145, 9565, 9735, 11865; Midwest: 03-0350 6010, 6085, 6130, 9545, 9605, 9700; West Coast: 05-0550 5960, 6120, 6130, 9635, 9700. Programs: Sunday: World News, Sunday Commentary, Letter from Berlin/Bonn, Religion and Society, Talking Point; Monday-Fri: World News & Newline Cologne & Mon: Arts on the Air; Tue: Economic Notebook; Wed: Living in Germany; Thu: Science and Technology; Fri: Larry's Random Selection; Sat: World News, Weekend Commentary, Sports Report, Mailbag or Profiles or To The Top, German by Radio. German by Radio now on Sundays to Asia & Africa @ 09-0950

for Asia and the Pacific; 16-1650 for S. Asia; 09-0950 for E. Africa; 11-1150 W. Africa. (via Hallo Friends 6th Issue of 1988)

GREECE - The Hellenic Radio and TV, Athens started its new Sked on 6 November, and this runs through to 5 March 1989. It's as follows: 6225 04-0450 ME in GK; 05-0615 ME/Turkey/Cyprus in GK/TK; 16-17 Balkans, Albania S.Croat, Bulgarian, Romania; 19-1950 Eur in GK, EE, FF, GG; 20-2050 Balkans in Various; 21-2150 Australia in GK; 7430, 0000-0150 NA in GK/EE; 02-0350 NA GK/EE; 04-0450 ME in GK; 05-0615 ME/Turk in GK/TK; 0630-0730 ME in GK/IT; 16-17 Balkans in Various; 19-1950 Eur in GK, EE, FF, GG; 20-2050 Balkans in Various; 21-2150 Australia in GK; 22-2350 SA in GK, PP, SS, EE; 9395, 02-0350 NA in GK/EE; 9420 0000-0150 NA, GK, EE; 02-0350 NA in GK, EE; 9425, 04-0450 ME in GK; 05-0615 ME/Turk in GK, TK; 0630-0730 Eur GK, IT; 14-1450 ME GK, AA; 16-17, 20-2050 Balkans in Various; 21-2150, 22-2250 Australia in GK; 9905, 09-0950 Azores in GK; 11-1120 ME/Turk in TK; 1130-1150 Afr in AA; 13-1350 Afr in AA; 13-1350 Afr in GK; 22-2350 SA in GK, PP, SS, EE; 11645 0000-0150 NA in GK, EE; 09-0950 Azores in GK; 10-1050 Japan in GK, EE; 11-1120 ME/Turk in TK; 1130-1150 ME in AA; 12-1250 NA in GK, EE; 13-1350 Central Africa in GK; 14-1450 USSR in GK, RR; 15-1550 Sweden & NA in GK, EE, Swed; 1710-1750 URS in GK, RR, Polish; 18-1850 Afr in GK, EE; 23-2350 SA in GK, SS; 15625 08-0850 Australia in GK, EE; 15630 10-1050 Japan in GK, EE; 12-1250 NA in GK, EE; 13-1350 CAfr in GK; 15-1550 Sweden & NA in GK, EE, Swedish; 17565 06-0650 Australia in GK, EE; 12-1240 NA in GK, EE; 15-150 Sweden & NA in GK, EE, Swedish. Radiophonikos Stathmos Macedonias, Thessaloniki: These programs are listed: 06-10 (Sa/Su/Holidays) 11595 t/Eur, 9935 t/ME; 10-1530 11595 t/Eur; 1545-2255 9935 t/Eur; 17-20 9425 t/Eur; 10-2255 9935 t/ME. The freqs of 9935 and 11595 are via the 35kW transmitters at Thessaloniki. The outlet of 9425 (17-20) is via the 250 kW facility at Kavalla. The use of the Kavalla transmitter for relaying the Macedonia programs was introduced in March 1988, and between 17-20 only two transmitters are used for the External Service from Athens. (Bob Padula, Surrey Hills, Victoria in 'The DX Press' 11/28 compiled by Bob Padula)

GUAM -Adventist World Radio-Asia -For Immediate Release, dated December 26, 1988: AWR-Asia Program Director Greg Scott has announced a joint venture between the Australian Radio DX Club and AWR to produce a weekly DX Program for Asia. "We're excited about the potential of the program and the help it will be to DXers," said Scott. "We've scheduled it at optimum times for Asia, and we hope our friends will let us know about reception conditions," he added. "It will be called DX ASIAWAVES." The 15-minute program will air Saturdays at 0230 on 11980 and twice on Sundays @0230 on 17865 and at 2330 on 15125 beginning January 7, 1989. On Saturdays it will follow the exotic news program of the Micronesian islands, Micronesian Snapshots, and the AWR Listener Mailbox Program. On its first airing on Sundays it follows the popular current events program, The AWR Magazine. The second airing on Sundays follows Micronesian Snapshots and a new program, also produced in Australia, called Focus on Living. "Even though the program will emphasize DX news for Asia and the Pacific, we would, of course, welcome listeners around the world," Scott said. This will be the first DX program to be aired on the Guam station. AWR had a successful program on Radio Sri Lanka some years ago called Radio Monitors International, hosted by Adrian Peterson. AWR-Europe has also featured a DX program for over 15 years, Scott reported. Also via AWR-Asiawaves Vol 2, No. 4, Fall 1988: AWR-Asia moves into 21 Meter Band. On Sunday December 18, AWR Asia replaced three existing freqs 9.465, 9830 & 11700 w/a new freq of 13720 in the 21mb. The decision to replace these freqs came after three months of severe interference from other SW Bdcst stations on the original frequencies. 13720 is used: 0000, 01 Mandarin; 1000 EE; 1100 Indonesian; 1200 Tagalog on Sat, Tu, Fri; Ilonggo on Su, Tu; Cebuano on Mon, Wed; 1300 Korean; 1500 Tamil on Su, Wed, Sat; Malayalam on Mon, Tu; Marathi on Tu, Fri; 1600 Hindi on Su, Tu, Thu, Sat; Telugu on Mon, Wed, Fri; 2300 Mandarin. Also New English Programs Added: Beginning January 8, 1989, four new programs, to air on weekends only, will be introduced: Probe: A 15-minute program designed for Bible study enrichment through interview and discussion. The program is hosted by Doug Clark, who takes an in-depth look at the teaching and stories of the Bible. Probe will air every Saturday at 1045 on 13720; 1645 on 11980; Sunday @0245 on 17865 and 2345 on 15125; Power to Cope: A 30-minute program hosted by Juantita Kretschmar. She interviews people from all walks of life who have learned to cope with many different types of stress by relying on the power of God. The program will air on Saturday @0230 on 17865; @2330 on 15125; Sun @1630 on 11980; Focus on Living: Saturday @0215 on 17865; @1030 on 13720; Sun @2315 on 15125 and as mentioned in Press Release: DX ASIAWAVES (Sked as above per 'News Release') Note: On 1/14, DX ASIAWAVES added @1630 on

11980 featuring ARDXC Material and your Editor's "DX SPREAD". (bmm)

INDIA -The 'All India Radio External Service Freq Sked for D88' (13 Dec 88 Update) in graphic format is now available. Sked is courtesy of Southern Asia Radio Club. Monitoring updates by Alok Das Gupta, Kanwarjit Sandhu, Mansoj Guha, and Supratik Sanatani, all of whom live in India. Compilation is by Robert R. Palmer, E. 2707 - 15th Ave. Spokane, WA 99223-5101. Tel: 509-536-7671. Please send \$2.00 (USA & Canada only-- \$3.00 outside USA/Canada) in mint United States postage stamps for each copy ordered, to Mr. Palmer (to cover mailing costs, envelopes and computer expendables) 4820, 0141, AIR, Calcutta, Indian vocals, mixing w/HRVC, weak on 1/15 (Bob Bodell, OR) 4840, 0124, AIR, Bombay, W w/Indian vocals on 1/15 (Bob Bodell, OR) 4850, 0149, AIR, Kohima, no ID but definite w/continuous Indian vocals, strong on 1/15 (Bob Bodell)4860, 0129, AIR, IS, *0130, time pips, ID, freqs, Hindi w/news on 1/12 (Bob Bodell, OR) 7225, 0218, AIR, Aligarh, Indian vocals 1/15 (Bob Bodell, OR)

IRAN - Islamic Republic of Iran Broadcasting, External Service D88-89: EE 1130-1225 on 11790 t/SE Asia, Indonesia, The Philippines; 9520 t/Saudi Arabi, S & N Yemen, N. Ethiopia; 9685, Iraq, Syria, Lebanon, Occupied Palestine, Jordan; 7230 Iraq, Syria, N. Saudi Arabia, Egypt; 1930-2030 6080 W. Eur; 9022 W. Eur, N. Africa, W. USSR; FF: 0630-0730 7110 W. Eur; 9022 W. Eur, N. Africa, W. USSR; 15084 E. Part of American Cont. - W. & Central part of Eur; 6080 W. Eur; 1845-1930 9022 W. Eur, N. Africa, W. USSR; GG: 18-1845 6080 W. Eur; 9022 W. Eur, N. Africa, W. USSR; SS: 2030-2130 6080 W. Eur; 9022 W. Eur, N. Afr, W. USSR; 0130-0230 9022 W. Eur, N. Afr, W. USSR; 15084 E. Part of American Cont, W. & Central part of Eur; 0530-0630 6030 Eur, C. Am; 9022 W. Eur, N. Afr, W. USSR; 15084 E., Part of American Cont., W. & Central part of Eur; 7110 W. Eur; RR: 1530-1630 9022 W. Eur, N. Afr, W. USSR; Turkish: 04-05 7110 Turkey, N. ME; 9022 W. Eur, N. Afr, W. USSR; 15084 E. Part of American Cont, W. & Central part of Eur; 17-18 9022 W. Eur, N. Afr, W. USSR; 6080 Turkey, N. ME; Urdu: 1230-1330 11790 India. N. Pakistan; 9685 Iraq, Syria, Lebanon, Occupied Palestine, Jordan; 7215 Saudi Arabia, N. & S. Yemen, N. Ethiopia; 7230 Afghanistan, Pakistan; Pushtu: 1330-1430 11790 Afghanistan; 9685 Iraq, Syria, Lebanon, Occupied Palestine, Jordan, 7215 Saudi Arabia, N & S. Yemen, N. Ethiopia, 7230 Afghanistan, Pakistan; Bengali: 6035 Iraq, Syria, Lebanon, Occupied Palestine, Jordan; 7215 Saudi Arabia, S&N. Yemen, N. Ethiopia (via Richard D'Angelo, PA)

NEPAL - 7265, 0037, R. Nepal(t), subcont vocals, W talk & announcements @0045, then M w/news t/0056, more music, nothing on 7165, strong on 1/12 & 1/15. More monitoring needed on this one! (Bob Bodell, OR)

OMAN -6085, 0217, R. Oman(t), Qu'ran, strong on 1/12 (Bob Bodell, OR)

PAKISTAN -The following information via 'DX Grapevine' the newsletter of the Southern Asia Radio Club, India compiled by Mansoj Guha. Inputs & Inquiries to: South Asia Radio Club, 63 K.D. Flats, Jamshedpur 831 005 India: PBC cricket commentaries are heard on days of play on 17660, 7290, 3980? (Mansoj Guha, Jamshedpur, India) PBC Peshwar heard using a new transmitter on 4780 at 13-1605 in Urdu/vernaculars. The older channel of 4950 continues 14-15 (DX Post) In parallel?(Mansoj Guha, Jamshedpur, India) 4780, 1533, PBC Peshwar, Presumed the one in EE w/W talking about Pakistan possibly giving a speech. Also heard a M talking in EE & back to a W and then a M @1555 into recitations t/1600*. All this was during noisy conditions so I just caught bits and pieces on 1/12(bmm) 4880, 0110, R. Pakistan, W w/choral music, M Urdu talk//4980, 5090 1/12 (Bob Bodell, OR)

PHILIPPINES - Radio Veritas Asia current sked was effective 4th Dec to India, Sri Lanka, Pakistan, & Bangladesh: 0000-0055 Sinhala, Tamil on 15275 100kW (ex 11820); 15255 50kW; 01-0225 Bengali, English, Telugu on 15325 100kW & 15275 50kW; 0230-0330 Urdu, Hindi on 17790; 1230-1425 Mandarin, Sinhala, Tamil, Telugu on 11820 100 kW & 15220 50 kW; 1430-1630 Bengali, English, Hindi, Urdu on 15220 kW & 15510 100 kW (ex 15360, ex 11760)(via 'DX Grapevine' Edition 31, 12/88) Note: Now @15 on 15460NF ex 15510, Bob Zilmer, New Mexico is hearing their English broadcast. (via 'DX SPREAD' Edit. #54, 1/9)

SAUDI ARABIA -BSKSA D88 Sked: 6000 10-17 AA; 6020 17-21 AA (Program #2); 7150 17-20 AA; 7155 15-16 Turkestani; 7205 16-18 Persian; 7210 20-23 AA; 7220 10-15 AA; 7250 15-21 AA (Koran Service); 7275 19-21 AA (Koran Service), 18-19 Bambara; 7280 03-0830 AA; 9520 15-16 Turkestani; 9565 16-18 Persian; 9570 03-17 AA (Program #2); 9705 14-16 FF, 16-21 EE, 2130-23 AA; 9720 03-0830 AA, 2130-23 AA, 14-16 FF, 16-21 EE; 9870 17-2130 AA; 9885 2130-23 AA; 11685 04-06 TK; 11730 06-08 AA (Koran); 11825 13-15 Urdu, 12-13 Bengali; 11935 15-17 AA, 19-21 AA (Koran); 15060 11-17 AA, 04-06 TK, 18-19 Bambara; 15140 05-11 AA; 15170 10-14 AA (Koran); 15345 12-13 Bengali, 13-15 Urdu; 15430 04-06 Somali; 15435 05-11 AA; 17720 06-08 AA (Koran); 17765 05-06 Swahili; 17845 04-05 Somali; 17895 08-10 AA (Koran),

10-12 Indo; 21495 08-10 AA (Koran), 10-12 Indo; 15335 05-06 Swahili (via Shortwave Station News in ADXN of ARDXC 12/88)

SEYCHELLES - 7125, 0125, FEBA, Hindi? w/freq announcement, IS @0211 on 1/12 (Bob Bodell, OR) 7275, 0056, FEBA, Strong w/sub cont music, EE announcements, IS on 1/15 (Bob Bodell, OR)

TURKEY -V. of Turkey Published Sked 11/6-3/5/89: 0000-0400 9680 Turkish t/SE Asia; 0000-04 9445 Turkish t/N/E America; 0000-04 7250 Turkish t/Eur; 04-05 9445 EE t/NE Am; 04-05 9680 EE t/SE Asia; 04-06 5955 Turkish t/Balkans; 04-05 11730 Azerbaijani t/SW Asia; 04-05 6120 Azerbaijani t/NW Asia; 05-10 15105 Turkish t/SW Asia; 05-17 Turkish t/Eur; 05-10 11925 Turkish t/NW Asia; 06-10 15200 Turkish t/Eur; 10-11 11960 AA t/ME; 10-11 15160 AA t/NAfr; 11-16 15160 t/NAfr; 11-16 11960 Turkish t/ME; 11-16 15050 Turkish t/Eur; 11-13 11875 Bulgarian t/Balkans; 1130-12 11875 Romanian t/Balkans; 12-1230 11875 Serbocroat t/Balkans; 1230-13 11875 Albanian t/Balkans; 13-1330 11875 Hungarian t/Balkans; 1330-14 17785 EE t/SW Asia; 14-1430 17785 Urdu t/SW Asia; 1430-15 17785 Persian t/SW Asia; 15-1530 9715 CC t/FE; 1530-16 11715 RR t/NW Asia; 16-17 15160 AA t/NA; 16-17 11960 AA t/ME; 17-23 6050 Turkish t/NAfr; 17-23 9460 Turkish t/Eur; 17-18 7180 GK t/Balkans; 18-20 5980 Turkish t/Balkans; 18-19 9670 Azerbaijani t/SW Asia; 19-20 7110 GK t/Balkans; 20-21 9825 GG t/Eur; 21-22 9825 EE t/Eur; 22-23 9825 FF t/Eur; 23-24 7250 EE t/Eur; 23-24 9445 EE t/NE Am; 23-24 9680 EE t/SE Asia; 23-24 7160 EE t/ME (via Bill Westenhaver, Montreal and sorted by time by Sheldon Harvey, Montreal)

UNITED KINGDOM - Via February 1989 'London Calling' Highlighted Programs are: What Do Christians Believe? on Fris from 17th 0730 rep 1215 Sats 2130; Educating Rita Sat 4th 1901 rep 0101, 1201; King Priam Sat 25th 1901 rep Sun 0101, 1201. Sport Preview: At Home with (Paddy Feeny is off on his travels again to visit six more sporting personalities in their homes around Britain, and at last count, he's likely to see no less than three Olympic medals won in Seoul last September; two gold and one silver!) Thurs from 23rd 2345 rep Fris 0845, 1545. Cricket Test matches: Began on 3rd-7th West Indies vs Australia @Adelaide(Fifth & Final Test); New Zealand vs Pakistan 3-7th (3 test series in Dunedin), 10-14th Wellington & 24-28 in Auckland. Henry Blofeld reports on each day's play in Sports Roundup Mon-Sats following the 0930 Financial News, 1245; daily 1745, 2101; Suns only 1330.

UNITED STATES -A non-profit organization is being formed to start "World News and Information Radio." Their proposal is to build a shortwave station which would relay NPR programming around the world, offering an alternative to the VOA and for those listeners who feel disenfranchised by the demise of AFRTS. Robert Trobaugh, an electrical engineer who is one of the principals in WNIR, reports getting valuable assistance from Mark Sachs of NPR and Colonel Tom Hansen of AFRTS. For further information, please contact Mr. Trobaugh at P.O. Box 7565, Gaithersburg, MD 20898, (301) 493-4482. (ANARC Newsletter, 12/88 via Ed Janusz, NJ)

U.S.S.R. - 4635, 0102, R. Dushanbe, rare here this winter, M in RR w/exercise program, piano music on 1/12 (Bob Bodell, OR) 4740, 0136, R. Afghanistan relay, Qu'ran, no//s on 1/15 (Bob Bodell, OR) 4825, 0208, Ashkhabad, RR, M w/news on 1/12 (Bob Bodell, OR) 4940, 0129, R. Afghanistan relay, W "Da Afghanistan", M talk @0130 then brief instrumental music & W @0131. ex 4760 on 1/15 and strongest I've ever heard this station. Either new transmitter or new location! Didn't come up on 1/16 nor did 4740 but both back on 1/17(bmm)4975, 0140, R. Dushanbe, ME like music, 0158 brief silence, 0200 ID in RR & Tadzhik, IS, announcements mixed w/flute music, on 1/15 (Bob Bodell, OR)

VIETNAM - Lam Dong Broadcasting Station has been on 6988 since early in November. Observed schedule is as follows: *10-11 (except Monday & Wednesday) in VV; 1030-1045 (Mon & Wed) in Koho (Mon-Khmer group language); 1045-11* (Mon & Wed) in VV. They have occasionally been heard to 1030* on Fridays. Lai Chau Broadcasting Station uses 6253 *1115 to 13* with this schedule: *1115-1145 in Hmong; 1145-1230 in VV; 1230-13* in Thai. Since early November, Son La Broadcasting Station has been using 6294, in place of 6330. Signal strength is almost the same as before. Schedule is *12 to 14*. Cao Bang Broadcasting Station currently broadcasts *12-14* on 6576. (Isao Ugusa in DX Frontline via Peter Bunn's OZ DX No. 38, December 1988) Ham Radio Operation from Ho Chi Minh City: Via the Ham Net on 14226USB on 1/6, a Russian ARO says not till 1/30. Call will be 3W0A and a special call for RTTY 3W1A. One of the freqs will be 14195. (bmm)

LATE ITEMS: INDIA - 4990, 0044, AIR, Madras, Indian vocal, W talk in listed Tamil 0045* on 1/17 (bmm) NEPAL - 7265, 0045, R. Nepal(t), M w/news t/0056 then into subcont vocal. @0103 M w/talk. Lost @0115. ARO QRM. Still no positive ID on 1/17 (bmm) Till next month! 73's



What's On...

ENGLISH BROADCAST TO NORTH AMERICA produced by Daniel Sampson

Start Time (UTC)	End Time (UTC)	Station	Frequencies	Notes
0000	0030	kol Israel	9435; 9385; 7460	
0000	0030	R. Korea, S.Kor.	15575	
0000	0030	R. Norway Int'l	11850	M
0000	0050	R. Pyongyang, N.K.	15160; 15115	
0000	0100	KUSW, U.S.A.	15580	
0000	0100	R. Beijing, China	15455; 11715; 9770; 9665	
0000	0100	R. Sofia, Bulgaria	11720; 9700	
0000	0100	R. Moscow, U.S.S.R.	21530; 17720; 17700; 17605; 15425; 12050; 9765; 9720; 7310; 7215; 7150; 7115; 6115; 6045; 6000	NAm svce
0000	0130	R. Canada Int'l	9755; 5960	Tu-Sa
0000	0200	R. Australia	17795; 15320	
0000	0200	R. Canada Int'l	9755; 5960	Su-M
0000	0200	R. Havana Cuba	9655	
0000	0200	REE, Spain	11880; 9630	
0000	0230	BBC, U.K.	9915; 9590; 7325; 6175	
0000	0400	WRWO, U.S.A.	7355	
0030	0055	BRT, Belgium	9925	M-Sa
0030	0100	R. Austria Int'l	9875	
0030	0100	R. Budapest, Hung.	15160; 11910; 9835; 9585; 9520; 6110	M-Sa
0030	0100	R. Kiev, U.S.S.R.	15455; 15180; 13645; 9800; 9765; 7400	
0030	0130	HCJB, Ecuador	11910	
0035	0300	HCJB, Ecuador	15155; 11775; 9720	
0045	0130	RBI, G.D.R.	11890; 6080	
0050	0110	Vatican R.	11780; 9605; 6150	
0100	0120	RAI, Italy	11800; 9575	
0100	0130	kol Israel	9435; 9385; 7460	
0100	0130	R. Austria Int'l	9875	Su
0100	0130	R. Japan	11905	Reg svce
0100	0145	R. Yugoslavia	11735; 9620	
0100	0150	DW, F.R.G.	11865; 9735; 9565; 6145; 6085; 6040	
0100	0157	R. Prague, Czech.	11990; 9625; 9540; 7345; 6055; 5930	
0100	0200	R. Moscow, U.S.S.R.	21530; 17720; 17700; 17605; 15425; 12050; 9765; 9720; 9700; 7310; 7215; 7150; 7115; 6115; 6045; 6000	NAm svce
0100	0300	KUSW, U.S.A.	11695	
0130	0140	V. of Greece	11645; 9420; 7430	
0130	0200	R. Budapest, Hung.	15160; 11910; 9835; 9585; 9520; 6110	
0200	0230	kol Israel	9435; 9385; 7460	
0200	0230	SRI, Switzerland	17730; 12035; 9885; 9725; 6135; 6095	
0200	0245	RBI, G.D.R.	11890; 6080	
0200	0250	R. Nacional, Brazil	11745	
0200	0256	R. RSA, S. Afr.	11760; 9615; 9580	
0200	0300	R. Argentina Ext.	11710; 9690	
0200	0300	R. Bucharest, Rom.	11940; 11830; 9570; 9510; 6155; 5990	
0200	0300	R. Moscow, U.S.S.R.	17720; 17700; 15425; 12050; 12010; 11710; 9765; 9720; 9700; 7310; 7215; 7150; 7115; 6115; 6045; 6000	NAm svce
0200	0330	R. Cairo, Egypt	9675; 9475	
0200	0400	R. Australia	17795	
0200	0400	R. Havana Cuba	9655; 6140	
0200	0400	VOFC, Taiwan	15345; 9680; 5985	
0230	0245	R. Budapest, Hung.	15160; 11910; 9835; 9585; 9520; 6110	Tu-W, F-Sa
0230	0300	BBC, U.K.	9915; 7325; 6175	
0230	0300	R. Portugal	11840; 9705; 9680; 9635; 9600	Tu-Sa
0230	0300	R. Sweden	11705; 9695	
0230	0300	R. Tirana, Albania	9500; 7065	
0230	0325	R. Netherland	9895; 9590; 6165; 6020	
0230	0430	R. Baghdad, Iraq	9515	
0245	0330	RBI, G.D.R.	11890; 11785; 9620; 6080	
0300	0330	BBC, U.K.	9915; 7325; 6175; 5975	
0300	0330	R. Japan	21610; 17825; 11870	Reg svce
0300	0330	R. Kiev, U.S.S.R.	15455; 15180; 13645; 9765; 7400; 7335; 7165	
0300	0350	DW, F.R.G.	9700; 9605; 9545; 6130; 6085; 6010	
0300	0357	R. Prague, Czech.	11990; 9625; 9540; 7345; 6055; 5930	

0300	0400	R. Beijing, China	15455; 15290; 15180; 11860; 11715; 9770; 9690; 9675	
0300	0400	R. Earth, U.S.A.	7520	Tu
0300	0400	R. Japan	5960	Gen svce
0300	0400	R. Moscow, U.S.S.R.	17700; 15425; 12050; 12010; 11710; 9765; 9700; 7310; 7215; 7150; 7115; 6115; 6045; 6000	NAM svce
0300	0500	HCJB, Ecuador	11775; 9720	
0300	0500	KUSW, U.S.A.	11695	alt. 9815
0310	0330	Vatican R.	6150	
0330	0355	R. Finland	11755; 9635	
0330	0400	R. Dubai, U.A.E.	17775; 15435; 11940	
0330	0400	R. Tirana, Albania	9500; 7065	
0330	0430	BBC, U.K.	6175; 5975	
0340	0350	V. of Greece	9420; 9395; 7430	
0350	0400	R. Yerevan, USSR	15455; 15180; 13645	
0400	0430	R. Austria Int'l	6015	Su-M
0400	0430	R. Norway Int'l	9650	M
0400	0430	R. Bucharest, Rom.	11940; 11830; 9570; 9510; 6155; 5990	
0400	0430	SRI, Switzerland	12035; 9885; 9725; 6135	
0400	0445	RBI, G.D.R.	11785; 9620	
0400	0450	R. Havana Cuba	9655; 6140; 6035	
0400	0450	V. of Turkey	9445	
0400	0500	R. Argentina Ext.	11710; 9690	
0400	0500	R. Beijing, China	15290; 15180; 11980; 11695; 9675	
0400	0500	R. Sofia, Bulgaria	7115	
0400	0500	R. Moscow, U.S.S.R.	9640; 9610; 9600; 9530; 7290; 6170	Wld svce
0400	0500	R. Moscow, U.S.S.R.	13645; 12050; 12010; 11710; 9895; 9825; 7270; 7185; 7175	NAM svce
0400	0600	WRNO, U.S.A.	6185	
0430	0500	R. Austria Int'l	6015	
0430	0545	BBC, U.K.	9510; 5975	
0445	0530	RBI, G.D.R.	11785; 9620	
0450	0500	R. Havana Cuba	9655; 6035	
0500	0515	kol Israel	11605; 11588	
0500	0550	DW, F.R.G.	9700; 9635; 6130; 6120; 5960	
0500	0600	R. Beijing, China	9770	
0500	0600	R. Havana Cuba	11760; 9655; 6035	
0500	0600	R. Japan	11870; 5990	Gen svce
0500	0600	R. Moscow, U.S.S.R.	9895; 9825; 7345; 7335; 7270; 7185; 7175; 5905	NAM svce
0500	0600	REE, Spain	9630	
0500	0700	HCJB, Ecuador	11775; 9720; 6230	
0500	0700	KUSW, U.S.A.	6175	Su
0530	0625	R. Nederland	9715; 6165	
0545	0600	BBC, U.K.	5975	
0600	0700	R. Havana Cuba	11760	
0600	0700	R. Korea, S.Kor.	9570; 6060	
0600	0700	R. Moscow, U.S.S.R.	9825; 7345; 7335; 7270; 7260; 7185; 7175; 5905	NAM svce
0600	0730	BBC, U.K.	9640; 5975	
0600	1200	WRNO, U.S.A.	6185	Su
0700	0800	R. Moscow, U.S.S.R.	7345; 7335; 7270; 7260; 7185; 7175; 5905	NAM svce
0700	0800	VOPC, Taiwan	5985	
0700	1100	KUSW, U.S.A.	6135	Su
0800	1130	R. Australia	9580	
1100	1130	kol Israel	21625; 11585	
1100	1130	R. Austria Int'l	15450	Su
1100	1150	R. Pyongyang, N.K.	11735; 9977; 9600	
1100	1200	R. Beijing, China	9665	
1100	1200	R. Japan	6120	Gen svce
1100	1200	R. Moscow, U.S.S.R.	15460; 15225; 15150; 12055; 9600	Wld svce
1100	1300	BBC, U.K.	5965	
1100	1400	KUSW, U.S.A.	6130	Su
1130	1400	R. Australia	9580; 6060	
1200	1225	R. Finland	15400; 11945	M-F
1200	1300	R. Beijing, China	17715; 15110; 9665	
1200	1300	R. Moscow, U.S.S.R.	15430; 15225; 15150; 12055; 9600	Wld svce
1200	1400	WCSN, U.S.A.	5980	
1200	1430	WRNO, U.S.A.	9715	Su
1200	1600	HCJB, Ecuador	17890; 15115; 11740	
1230	1300	R. Austria Int'l	15450	
1235	1245	V. of Greece	17565; 15630; 11645	
1245	1310	R. France Int'l	17720; 15365	
1300	1325	R. Finland	15400; 11945	M-F
1300	1330	BBC, U.K.	5965	
1300	1330	R. Norway Int'l	15310	Su

1300	1330	R. Yugoslavia	15325							
1300	1350	R. Pyongyang, N.K.	11735;	11335;	9600					
1300	1400	R. Canada Int'l	11855;	9635					M-F	
1300	1400	R. Moscow, U.S.S.R.	15460;	15225;	15150;	11900;	11840;	7345;	7300;	Wld svce
			7160;	5905						
1330	1345	BBC, U.K.	5965							Su
1330	1355	BRT, Belgium	17560							M-Sa
1400	1425	R. Finland	15400;	11945						M-F
1400	1430	R. Norway Int'l	15310							Su
1400	1430	R. Sweden	21615;	15345						
1400	1500	R. Australia	9580							
1400	1500	R. Beijing, China	15165;	11600;	7405					
1400	1500	R. Finland	15400;	11945						Sa-Su
1400	1500	R. Korea, S.Kor.	15575;	9750						
1400	1500	R. Moscow, U.S.S.R.	15460;	15150;	11900;	11840;	7345;	7300;	7160;	Wld svce
			5905							
1400	1600	KUSW, U.S.A.	9850							Su
1400	1600	R. RSA, S. Afr.	21535							
1400	1700	R. Canada Int'l	11955							Su
1430	1630	WRNO, U.S.A.	11965							Su
1500	1600	BBC, U.K.	15260;	9515						Sa-Su
1500	1600	R. Beijing, China	7405							
1500	1600	R. Japan	5990							Gen svce
1500	1600	R. Moscow, U.S.S.R.	15460;	15150;	11900;	11840;	7345;	7300;	7160;	Wld svce
			5905							
1540	1550	V. of Greece	17565;	15630;	11645					
1600	1630	HCJB, Ecuador	17890							
1600	1630	R. Norway Int'l	15310							Su
1600	1700	R. Moscow, U.S.S.R.	15460;	15150;	12050;	12010;	11995;	11900;		Wld svce
			11840;	9665;	9640;	7440				
1600	1745	BBC, U.K.	15260;	9515						
1600	2200	KUSW, U.S.A.	15650							
1600	2400	WRNO, U.S.A.	15420							
1700	1730	R. Norway Int'l	15310							Su
1700	1800	R. Japan	9505;	5990						Gen svce
1700	1800	R. Moscow, U.S.S.R.	15460;	15150;	12050;	12010;	11995;	11900;		Wld svce
			11840;	9665;	9640;	9580;	7440			
1800	1815	kol Israel	11585;	9930;	7405					
1800	1900	R. Moscow, U.S.S.R.	13605;	12050;	12010;	11995;	11840;	9825;	9665;	Wld svce
			9640;	9580;	9560;	7440				
1800	2100	R. Kuwait	11665							
1900	1930	R. Afghanistan	9635;	6020;	4760					
1900	1930	R. Japan	9505;	5990						Gen svce
1900	2000	R. Moscow, U.S.S.R.	15405;	13605;	12050;	12030;	12010;	11840;		Wld svce
			9665;	9640;	9580;	9560;	7440			
2000	2030	kol Israel	9435							
2000	2030	R. Norway Int'l	15310							Su
2000	2100	R. Moscow, U.S.S.R.	15425;	15405;	15245;	13605;	12050;	11840;		Wld svce
			11770;	9825;	9735;	7440;	7105			
2005	2105	R. Damascus, Syria	15095;	12085						
2100	2200	R. Moscow, U.S.S.R.	15425;	15405;	15245;	13605;	12060;	12050;		Wld svce
			11840;	11770;	9865;	9735;	7440;	7115;	7105	
2110	2210	R. Damascus, Syria	15095;	9950						
2130	2200	R. Sofia, Bulgaria	11720;	9700;	7115					
2200	2225	BRT, Belgium	9925							
2200	2245	R. Yugoslavia	9660							
2200	2245	RBI, G.D.R.	9730							
2200	2300	BBC, U.K.	9915;	7325;	6175					
2200	2300	R. Argentina Ext.	11710;	9690						
2200	2400	KUSW, U.S.A.	15580							
2200	2400	R. Australia	17795;	15320						
2200	2400	V. of UAE	11965;	9595;	6170					
2230	2255	kol Israel	9435;	7355						
2230	2330	R. Sofia, Bulgaria	11720;	9700						
2245	2330	RBI, G.D.R.	9730							
2300	2330	R. Vilnius, USSR	15455;	15180;	13645;	11790;	9640			
2300	2350	R. Pyongyang, N.K.	13650;	11735						
2300	2350	V. of Turkey	9445							
2300	2400	BBC, U.K.	9915;	9590;	7325;	6175				
2300	2400	R. Moscow, U.S.S.R.	21530;	17720;	17700;	17605;	15425;	12050;		NAm svce
			9765;	9720;	7310;	7215;	7150;	7115;	6115;	6045
2330	2400	R. Korea, S.Kor.	15575							
2330	2400	R. Tirana, Albania	9760;	7065;	6200					
2335	2345	V. of Greece	11645;	9905						

THE WESTERN HEMISPHERE

SEND DIRECT LOGGINGS
BY THE 12TH
TO:

Thomas F. Sable
University of Scranton
Scranton, PA 18510-2192

Welcome to the new Western Hemisphere column! Well, it's not really that new since I used to do a similar column a few years back. Just a couple of introductory comments on the format of the column. Carl Huffaker will still be doing a Latin America notebook in which he will keep us informed on the latest developments in SWBC in LA. For the most part I will be restricting myself to news and comments about the Northern reaches of the hemisphere. The language notations in the column will have the following presumptions: Unless otherwise noted the language of everything north of Mexico is English, south of and including Mexico is Spanish, and Brazil is Portuguese. So on to the loggings:

ANTIGUA *Deutsche Welle relay**British Broadcasting Corp. relay*

- 6120 1527 **DW** EE; "Talking Point" all about Arafat (444 12/19 Fischer-WI)
9640 0600 **DW** Nx: Pan Am jet crash(444 12/22 Barber-IL)
11775 1128 **BBC** "From Our Own Correspondents" (433 12/25 Brown-IL)

BELIZE

- 3285 1124 **R. Belize** EE/SS; Jingle Bells, the meaning of Christmas (333 12/25 George-MA)

BOLIVIA

- 5005 2130 **R. Cristal** Silent Night, LA mx, 2OMs(333 1/1 Bishop-NY)
5965 1140 **R. National** OM, YL announcers (232 12/6 Fischer-WI)

BRAZIL*****Radio Nacional*****

- 4875 0057 **RN** OM talks (433 12/21 Bishop-NY)
4905 0108 **R. Relogio Federal** OM and time pips (433 12/31 Bishop-NY)
4915 0114 **RN** LA mx. OM, Ads (322 12/31 Bishop-NY)
11745 0200 **RN** EE; YL: the best of Brazilian pop mx (433 12/31 Bishop-NY)
11845 0852 **BBC** EE; Press Review, The World Today (444 12/15 Matsushita-JN)
11925 0655 **R. Bandeirantes** Sports event with fast-talking commentators (333 12/8 Fischer-WI)

CANADA *R. Canada International**Northern Quebec Service**BBC relay**DW relay** R. Japan relay*

- 5960 0300 **RJ** Interviews with 3 foreigners living in Japan (444 1/3 Barber-IL)
6005 1148 **CFCX** Ads, traffic report (444 12/8 Cichorek-NJ)+1
6065 1357 **NQS** Inuit; Country mx (323 12/10 Cichorek-NJ)
6070 0955 **CFRB** 5th Dimension mx (555 12/15 Brown-IL)(545 12/26 Robinson-TN)(Cichorek-NJ)
6120 1150 **RJ** Popular hits in Japan (555 12/25 Brown-IL)
6130 1542 **CHNX** Elton John record; 1D (252 1/6 Janusz-NJ)(Robinson-TN)(Westenhaver-QU)
9760 2200 **RCI** Free Trade, drug scandals (555 12/26 Robinson-TN)
11775 1100 **BBC** senile dementia and memory loss (555 12/26 Robinson-TN)
15140 2038 **RCI** RR; FF Christmas songs (555 12/24 Trescher-PA)
15260 0152 **RCI** Program notes (444 12/12 Brown-IL)

CLANDESTINE

- 6225 0531 **R. Patria** Sedate folk mx, voiceovers and announcements [I haven't got a clue on this one, Ed; possibly R.Monimbo, but it seems kind of late for them] (422 12/14 Janusz-NJ)
9940 2230 **V. C.I.D.** tx of Gen. Maceo, radio play (555 12/7 Robinson-TN)(Fischer-WI)
9960 0200 **R. Caiman** ID, LA mx (555 12/20 Trescher-PA)(Fischer-WI)

COLOMBIA****CARACOL****

- 4755 0338 **CC Bogota** Soccer game (433 12/26 Bishop-NY)(333 1/7 Janusz-NJ)(Fischer-WI)
 4865 0407 **V.Cinaruco** OM, LA mx by group (433 12/26 Bishop-NY)(333 12/13 Janusz-NJ)
 4945 1030 **CC Neiva** "Jingle Bells" ads (545 12/15 Robinson-TN)
 5975 1030 **R. Macarena** YL and OM, Souza band mx (545 12/26 Robinson-TN)

COSTA RICA****Radio Impacto****

- 5030 000 **RI** EZL ballads with echo "Impacto!"(444 1/7 Janusz-NJ)
 5055 1128 **Faro del Caribe** Mx, OM (233 12/6 Fischer-WI)

CUBA *R.Habana**R. Rebelde relay**Radio Moscow World Service relay*

- 5025 0450 **RR** (433 12/19 Fischer-WI)
 9655 0242 **RHC** Latin American film festival (544 12/15 Cichorek-NJ)

ECUADOR

- 3220 0239 **HCJB** Christmas mx, ID (322 12/26 Bishop-NY)
 4818 2353 **R. Quito** OM sings, OM announces (43312/30 Bishop-NY)
 4920 2303 **R. Quito** Navidad greetings (333 12/13 Janusz-NJ)
 5055 1130 **R. Catolica** religious mx, narrative (333 12/6 Fischer-WI)
 9720 0239 **HCJB** "DX Partyline" (533 12/21 Trescher-PA)
 11775 0219 **HCJB** "Lifeline" and "Sounds of Joy"(433 12/31 Bishop-NY)
 17890 1200 **HCJB** Christmas program (434 12/25 Card-RI)

GUATEMALA****Radio Cultural****Radio Maya de Barillas****

- 3300 0245 **RC** EE; The Christmas Story (322 12/26 Bishop-NY)
 3325 0250 **RMB** LA mx, OM talks (433 12/26 Bishop-NY)
 4835 0040 **R. Tezulutlan** Snippets of marimba mx with IDs (322 12/13 Janusz-NJ)(322 12/31 Bishop-NY)(Cichorek-NJ)

FRENCH GUIANA****Radio France International relay****Radio Japan relay****

- 9685 2158 **RJ** (433 12/19 Matsushita-JN)
 9800 0233 **RFI** FF; ID, FF mx (533 12/21 Trescher-PA)

HAITI

- 4930 2230 **4VEH** Bible program, ID (343 12/28 George-MA)

HONDURAS

- 3250 1130 **R. Luz y Vida** fanfare, ID, guitar mx (444 12/26 Robinson-TN)
 4820 0208 **V.Evangelica** EZL mx, no ID, mentions "Radio Nacional" and Tegucigalpa (422 1/6 Janusz-NJ)(Trescher-PA)

MONTSERRAT

- 9565 0000 **DW** EE; volume of mail to DW (544 1/2/89 Valentine-CA)

NETHERLANDS ANTILLES *Radio Nederland**Trans World Radio*

- 9590 0238 **RN** EE; "Newslines" European trade problems with U.S. (544 12/29 Brown-IL)

PERU

- 4990 2311 **R. Ancash** Atonal pop mx with YL singer; ID, mentions "Programa Andina" (322 12/13 Janusz-NJ)

PIRATES

- 6240 0035 **WENJ** Announcer Jack Beene with IDs as "J-Rock USA" and "Coast to Coast and around the world..." Phone number 201-525-7960 and Hilo, HI address (353 12/24 D'Angelo-PA)
 6240 0358 **Falling Star R.** Tones, William Tell Overture (444 12/24 D'Angelo-PA)+2
 7415 0410 **R. Free Texas** OM talks about new studios, left air in middle of Crosby Stills Nash Young tune (252 12/19 D'Angelo-PA)+1

UNITED STATES OF AMERICA***Voice of America***Radio Marti***

5985 1002 VOA Nx: PLO and US; rescue in Armenia (444 12/15 Brown-IL)
6130 1200 KUSW ID, rock mx (555 12/18 Robinson-TN)
6165 1000 VOA US opens talks with the PLO (444 12/15 Brown-IL)
9590 0130 BBC analysis of plays (544 1/2 Valentine-CA)
9840 0225 VOA SS; mentions Cubanos (444 12/21 Trescher-PA)+1
9850 0223 WCSN Report from Sudan (555 12/21 Trescher-PA)+1
13695 0100 KVOH UPI news (353 1/6 Janusz-NJ)
15170 2044 WYFR Christmas carols, ID (555 12/24 Trescher-PA)
15420 2334 WRNO rock mx, ID (444 12/10 Westenhaver-QU)
15650 1903 KUSW SS/EE; Religious programming [KVOH using this slot? TFS] (444
1/1 Westenhaver-QU)
21640 1707 WCSN Jeff White talks about bananas (454 12/14 Janusz-NJ)
21840 1634 WHRI Religious mx (333 12/14 Cichorek-NJ)

VENEZUELA

4770 2251 R. Mundial Bolivar Ads, OM (433 12/20 Bishop-NY)
4830 0402 R. Tachira OMs read letter (433 12/26 Bishop-NY)(Cichorek-NJ)
4840 0036 R. Valera Ads, ID (322 12/31 Bishop-NY)
4850 0051 R. Capital LA mx, OM (322 12/31 Bishop-NY)

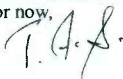
Computer Users : The WHC BBS phone number: (717) 961-7687 available 24 hours a day. The board works at the following data speeds: 300, 1200, and 2400 baud.

Remember to send the loggings to me by the twelfth of the month or our CDE:

David Jones, 2120 -C Mockingbird Lane, Box 8, Springfield, TN 37172

by the fifth of the month.

Bye for now,



BOOK REVIEW, by Don Thornton

The Fine Tuning DXer's GUIDE TO LATIN AMERICA (1989 Edition) is a plastic-spiral-bound notebook with over 40 pages of valuable information. In addition to a comprehensive list of stations logged in the past year, both by frequency and by country (with QSL information), it gives helpful information like how to send a thank-you note in Spanish or Portuguese to stations which do send you a QSL. Remember, most of these stations are run on private funds; they pay for the cards and letters they send to you, not their government.

The maps of Peru are also excellent. The part I liked the best, though, was an essay by Don Moore called "The Future for Shortwave Broadcasting in Central America." He explains the religious difference amongst the broadcasters (many of Central America's shortwave stations are run by religious orders), and talks about the listeners that the stations are trying to reach. It's good reading, and worth the \$5.00 if you have any interest in Latin American DXing.

(Fine Tuning Special Publications, RRt. # 5, Box 14, Stillwater, OK 74074. US \$5.00 in North America, US \$8.00 elsewhere, both postpaid.)

EUROPE

Daniel Sampson
 P. O. Box 31
 Independence, WI 54747-0031



Deadline: 12th
 Times/Dates: UTC
 Frequencies: KHz

BOARDING PASS
 Row
 Seat Window Center Aisle
 Flight
 Destination: _____

EUROPE

On December 29 I had an unfortunate accident at work when I got some hotmelt on the five fingers of my left hand at work (I am left handed). For those of you who don't know what hotmelt is, it's an epoxy resin heated to 375-400°F used to hold pieces of furniture together. I have healed enough by January 9 to return back to work and to do this months column. My fingers are still a little sore and tender and are not very pretty and I'm thankful it wasn't any worse than it was. What a way to end out the year, eh!

ALBANIA Radio Tirana

7310 *2200 GG; IS, ID, nx, political tlk (333 12/10 Prath-FL)
 9760.8 0328 EE; IS, ID, nx, bad het QRM (423 12/7 Rocker-MS) 2336 EE; nx on U.S. Dept. of defense satellite pgm worsening pollution in U.S.A., local spts nx, // 6085 (nf?) (333 12/5 Cichorek-NJ)

AUSTRIA Radio Austria International

9870 0315 RAI GG; OM w/ comtry (533 12/24 Trescher-PA)
 9875 0037 RAI EE; Rpt from Austria, opera YL from the 19th Century (322 11/21 Bishop-NY) 0045 EE/GG; Rpt from Austria, Austrian SW Panorama, Indian voices from Guatemala (455 12/18 Miller-CA) 0035 EE; Rpt from Austria (111 12/21 Bishop-NY) 0030 EE; rpt, intvw on Arafat's visit to Vienna (554 12/20 Fraser-MA)
 15450 1236 RAI EE; Profile of Austria (444 12/12 Richmond-MD)

BELGIUM Belgische Radio en Televisie

17560 *1330 BRT EE; Radio World, tourism nx (454 12/24 Card-R1)
 17595 1710 BRT Dutch; nx, spts, wx, freqs, soccer scores (444 12/11 Dillon-Greece)
 21810 1631 BRT EE; Radio World, U.S. Constitution Day, P.O. Box 26 (444 12/10 Miller-CA) 1642 Dutch; mx selections, spt scores, 1655 ID, freq anmt, IS & abrupt s/off @ 1656 (333 12/4 Cichorek-NJ)

BULGARIA Radio Sofia

7115 0050 R. Moscow relay EE; rpt on the late Andre Tupelov, father of the Soviet Jet airliner (454 12/16 Fraser-MA)
 7115 0400 RS EE; nx, Listener's Letters (343 12/28 Barber-IL) 0425 EE; Answering Your Letters, folk songs (433 11/16 Fischer-WI)

CZECHOSLOVAKIA Radio Prague

5930 0301 RP EE; ID by OM @ 0301, nx (444 12/1 Ryan-NY)
 6055 0108 RP EE; nx, comtry about the Armenian earthquake (333 12/18 Prath-FL)
 7345 0310 RP EE; life & role of Churches in Czech. (323 11/12 Fischer-WI)
 15110 1457 RP EE/FF/SS; IS, multi-ling. IDs (322 12/4 Richmond-MD)
 21505 1534 RP EE; nx of Cuba's anniv. of revolution, Czech. ambassador to fly there & take part, ID of Afro-Asian svce (322 1/2 Cichorek-NJ)

DENMARK Radio Denmark

15165 1302 Danish; nx, ID, comtry, tlk on Denmark (333 12/17 Miller-CA)

FINLAND Radio Finland

9635 0215 RF Finnish; Finnish nx, waltz mx, pop mx, tlk, wld nx (545 12/8 Miller-CA) 0330 EE; nx, Finland begins a two year term in the security council, Air Mail (433 1/2 Brown-IL)
 11755 0330 RF EE; Enterprise Finland, aging of the population (433 12/29 Brown-IL) 2200 EE; tlk of ad industry, "it's midnight in Helsinki..." (545 12/27 Robinson-TN) 0728 IS, cl mx, no anmt, 0755* (444 12/5 Matsushita-Japan) 0730 EE; Northern Rpt, press review, // 6120 & 0560 (433 11/18 Ryan-NY)
 15185 1505 RF Finnish; cl mx, folk mx, ID (333 12/19 Miller-CA)
 15400 1250 RF Finnish/EE; pop mx (444 12/17 Miller-CA) 1426 EE; mx, Science Horizon @ 1430, Arctic Bramble Farming, discussion of owls (444 12/31 Cichorek-NJ)

The abbreviation RF stands for French not Finnish-Bob.

FRANCE Radio France International
 3965 0330 RFI EE; nx, special EE pgm about France, Merry X-mas (322 12/26 Bishop-NY)
 5945 0127 RFI EE; pop mx, ID, int'l nx (444 12/14 Richmond-MD)
 15180 0820 RFI FF; OM ancr playing FF pop mx, // 15425 (333 11/16 Ryan-NY)
 15300 1953 RFI FF; X-mas mx, Jingle Bells, tlk about X-mas mx (333 12/25 Miller-CA)
 15365 1503 RFI EE/FF; nx, contry, pop mx (333 12/17 Miller-CA)
 17620 1730 RFI FF; YL DJ w/ pop-rock mx & occasional hi-life tunes, to Africa (444 12/11 Dillon-Greece)
 17720 1305 RFI EE; X-mas greeting, mx, into FF @ 1309 (444 12/24 Prath-FL) 1445 FF; intvw, Bette Midler's 'The Dove,' ID (433 12/10 Ehly-IA) 1230 FF; pop songs, Calypso tempo, EE lyrics (555 12/28 Robinson-TN)
 21645 1258 RFI EE; Review of French Press, Latin American Notes, // 17720 (444 12/10 Richmond-MD) 1200 FF/EE; mx, 'We Shall Overcome,' quotes from Newsweek, nx of Israel, EE svce @ 1245, tlk of terrorism on aircraft (545 12/31 Robinson-TN)
 25820 1540 RFI FF; ID as "R. France Internationale, Medias France Intercontinents," IS, tlk (354 12/13 Rocker-MS)

GERMAN DEMOCRATIC REPUBLIC Radio Berlin International
 19240 *1445 EE; pgm details, nx, RBI Asia svce, contry on success of G.D.R. economy (fr-gd 12/15 Famularo-Japan)
 21465 1235 EE; nx of Soviet earthquake, disarmament movement (333 12/10 Richmond-MD)

GERMANY, FEDERAL REPUBLIC OF Deutsche Welle
 3995 0335 DW GG; YL tlking w/ hams, into GG X-mas mx (433 12/26 Bishop-NY)
 5955 2152 RFE/RL unid; OM w/ tlk (433 1/1 Bishop-NY)
 7285 0218 DW EE; Asian svce, Asia in the Press, rpt on the history of India-China relations, mailbag (433 12/18 Prath-FL)
 15445 1210 R. Liberty RR; "Govorit Radio Svoboda" ID, tlk (fr 12/11 Famularo-Japan)
 17750 1059 R. Liberty RR; ID by YL in RR, opening mx, ID by OM in Tadzhhik, comment (343 12/14 Matsushita-Japan)
 17780 0906 DW EE; wld nx, Poliswarrio Front admits shooting down U.S. plane, cultural pgm, to Australia/NZ (fr-gd 12/11 Famularo-Japan)

GREECE Voice of Greece
 7430 0130 VOG EE; nx, U.S. warns of possible upcoming terrorist attack in the Mediterranean area (444 1/3 Barber-IL) 0345 EE; competition announced, prizes not announced (333 12/14 Fischer-WI)
 9430 0135 VOG EE; nx, rescue effort continues in Armenia (444 12/12 Brown-IL)
 9740 0137 VOA relay EE; the Emancipation Proclamation is signed, VOA Tuesday Morning, rpt on the debt crisis (433 12/31 Brown-IL) 0145 EE; women in b/cing awards (233 12/17 Fischer-WI)
 15630 1240 VOG EE; annt of contest, ID, into Greek pgm @ 1246 (434 12/12 Richmond-MD)

HUNGARY Radio Budapest
 9835 1405 Turkish; what sounded like Hungarian lessons, OM ancr, contry (444 12/10 Dillon-Greece)

IRELAND Radio Dublin International
 6910t 0315 EE; continuous rock vocals to 0330 X-mas jingle, 0358 tlk by OM, QRM from 0355 (252 12/11 D'Angelo-PA)

ITALY Radiotelevisione Italiana
 7275t 0430 EE; nx by YL w/ feeling!, mx @ 0434 (322 11/16 Ryan-NY)
 9575 0100 EE; nx, growing concern over Libyan chemical weapons factory (343 1/4 Barber-IL) 0105 EE; usual nx including rpt on the Marshall Plan 40 years later (444 12/8 Fraser-MA)

LUXEMBOURG Radio Luxembourg
 15350 0915 FF; OM DJ, several ads, Eur pop mx (253 12/18 Rocker-MS)

MALTA Deutsche Welle relay
 6025 0500 DW relay AA; mx, nx on hour, vocal mx (222 11/20 Fischer-WI)
 9565 0128 DW relay EE; review of book by Catholic exorcist (433 1/6 Janusz-NJ)
 21680 1616 DW relay EE; cl mx interlude, Airs on the Air, tlk on German opera house in Frankfurt, to Australasia (252 1/8 djs-WI) 1601 EE; wld nx, Dateline Cologne (343 12/8 Rocker-MS)

MONACO Trans World Radio-Monte Carlo
 12025 1550 EE/Kurdish; folk mx, EE ID "you are listening to Monte Carlo, Trans World Radio, the following program is in Kurdish" (433 12/17 Dillon-Greece)

NETHERLANDS Radio Nederland

5995? 0748 FN Dutch; R. Nederland Magazine (555 12/16 Trescher-PA) *Do you mean 5955 kHz?-ed.*
 6020 1830 RN EE; wld nx, Newslne, U.S.-PLO tlks, Greek politics, Gulf Cooperation Council (433 12/17 Dillon-Greece)
 15150 1448 FN EE; Newslne, tlk on environmentalist meeting (fr 12/12 Famularo-Japan) *site unknown.*

NORWAY Radio Norway International

11845 2305 RNI Norwegian; nx, contry, ment Portugal (323 12/15 Miller-CA) 2333 Norw.; intvw w/ athlete & British football scores, 2345* (242 12/12 Westenhaver)
 11850 0015 RNI EE; tlk about peacekeeping forces on Cyprus (444 12/12 Miller-CA)
 11860 *1000 RNI EE; nx, U.N. peacekeeping forces receive Nobel Peace Prize (fr-gd 12/11 Famularo-Japan)
 15175 1400 RNI EE; Review of 1988 (342 1/1 Barber-IL)
 15310 1600 RNI EE; tlk about Nobel Prize given to U.N. Secretary (444 12/11 Miller-CA) 1315 EE; rpt on U.N. peacekeeping forces in Cyprus & Lebanon (444 12/11 Fraser-MA) 1303 EE; rpt on AIDS research, role reversals for OM & YLs, X-mas trees used as gifts to other countries, Science Notebook, // 21705 (444 12/4 Cichorek-NJ)

POLAND Radio Polonia

7270 2333 EE; discussion on Solidarity, piece on industrial pollution (322 11/19 Ryan-NY) 2335 EE; Weekly Panorama, business & economic nx, rpts from local papers, Arts & Entertainment scene (433 11/30 Cichorek-NJ)
 9540 1618 EE; mx selections w/ YL ancr, PP jazz # dedicated to a U.S. listener, IS @ 1629 (322 12/4 Cichorek-NJ)

PORTUGAL Radio Portugal

7155 2100 R. Free Europe Estonian; opening mx, ID, YL w/ preview, nx, Reagan speech in EE (444 12/17 Matsushita-Japan) *site is either Portugal or Spain-ed.*
 9600 0230 RDP EE; nx, Port.-Greek tlks, new course open on European studies, Iberia Airlines cancels flight at between Lisbon & Madrid (333 12/13 Brown-IL) 0252 EE; Tuning Off for Today, guitar mx (434 12/23 Fischer-WI)
 9695 2334 R. Free Europe Hungarian; chime IS, OM w/ tlk, ID, 2346* (343 12/21 Matsushita-Japan)
 9705 0230 RDP EE; Port. Prime Minister's visit to Greece (444 12/12 Brown-IL) 2200 PP; chorus & mx, April in Port., nx (545 12/19 Robinson-TN)
 11840 0235 RDP EE; nx, cultural pgm between Spain & Portugal, Port. poet to be published in the U.S.S.R. (222 12/20 Brown-IL) 0251 EE; The Portuguese Coast: A Fisherman's Paradise (444 12/13 Janusz-NJ)
 15250 0904 RDP PP; ID, comment by YL, intvw (353 12/18 Matsushita-Japan)
 21720 1658 R. Free Europe Czech?; OM w/ monologue, harpsicord notes @ 1659, TC, ID, nx (444 12/4 Cichorek-NJ)

ROMANIA Radio Bucharest

6105 2015 EE; Listener's Letters, mx, ID (322 12/14 Richmond-MD)

SPAIN Radio Exterior de España

9630 0152 REE EE; SS lesson (322 12/21 Bishop-NY) 0040 EE; rpt on the 3rd Congress of Magic & Witchcraft held in Spain (544 12/9 Fraser-MA)
 9875 1750 REE SS; OM intvw YL, ID, cl SS mx, pop mx, time pips, ID @ 1800, noticias (444 12/9 Dillon-Greece)
 11880 0007 REE EE; nx, spts roundup (433 11/21 Bishop-NY) 0000 EE; wld nx, Spanish Bookshelf, SS mx, DX pgm (535 12/19 Miller-CA) 0350 SS; pgm on heraldry (454 12/1 Meinhardt-IL)
 11920 0737 REE SS; OM rpts, ID @ 0737 & 0755, 0801* (443 12/13 Matsushita-Japan)
 15375 1915 REE EE; end of wld nx, ID, spts roundup, press review, SS mx, visit to Malaga (444 12/17 Dillon-Greece) 1954 EE; nx by OM, ID, times & freqs for Africa & ME, address, under WYFR ID 1959 (323 12/2 Cichorek-NJ)
 17815 *0930 REE SS; IS, s/on theme, freqs, sked, QRM Moscow RR pgm (pr-fr 12/11 Famularo-Japan)
 17890 1145 REE SS; mx, Silent Night, cl mx (333 12/25 Miller-CA) 1755 SS; Casa de España, feature on early inhabitants of Iberian Peninsula, nx, mx (443 11/10 Meinhardt-IL)

SWEDEN Radio Sweden

11705 0231 RS EE; nx, suspect is arrested in the Palme murder, flu epidemic in Sweden (444 12/13 Brown-IL) 0230 EE; IS, ID, nx, economic nx, wx, Sweden Calling DXers (433 11/16 Ryan-NY) 0250 EE; discussion of Winter in Sweden & its relation to depression (544 12/15 Cichorek-NJ)
 15345 1415 RS EE; tlk about X-mas in Sweden, mx (333 12/25 Prath-FL)
 17815 1329 RS RR; IS, RR ID, tlk, X-mas mx (343 12/24 Prath-FL)
 21555USB 0800 RS Swedish; YL w/ nx, telephone intwvs (353 12/17 Matsushita-Japan)

SWITZERLAND Swiss Radio International

0135 0200 SRI EE; nx, Mrs. Krupp resigns her Swiss Ministry post, relief efforts continued in Armenia (433 12/12 Brown-IL) 0400 EE; ID, Dateline, nx, // 9725, 9885 & 12035 (433 11/16 Ryan-NY)

9725 0200 SRI EE; Red Cross pulls out of Lebanon, Dateline (333 12/19 Brown-IL)

9885 0205 SRI EE; conf. on LAm debt, rpt on Israeli raid (444 12/10 Brown-IL) 0130 PP/EE; ME nx, pop mx, march mx, Dateline, events in Japan (334 12/11 Miller-CA) 1735 AA; wld nx, rpt on the Palestinian uprising in the occupied territories (444 12/9 Dillon-Greece)

12035 0201 SRI EE; Swiss main is released in Lebanon, Dateline (333 12/15 Brown-IL)

13635 1330 SRI EE; time pips, wld nx, 2nd plane crashes in Armenian earthquake relief effort, // 15135 (pr-fr 12/12 Famularo-Japan) 2102 EE; nx, "that ends the nx from Switzerland," press review, SW Merry-Go-Round (533 11/19 Ryan-NY)

13685 0834 SRI EE; wld nx, 40th anniv. of Universal Declaration of Human Rights, // 17830 & 21695 (fr 12/11 Famularo-Japan)

17730 0202 SRI EE; nx, Swiss rescue teams arrive in Armenia, Dateline, Arafat speech (232 12/13 Brown-IL)

UNITED KINGDOM British Broadcasting Corporation

3955 2225 BBC EE; Newshour, tlk about the earthquake in the U.S.S.R. (322 12/30 Bishop-NY) 2153 EE; intvw w/ speaker of House of Commons (333 11/25 Ryan)

5376.2LSB 0223 AFRTS feeder EE; Bears vs. Rams football coverage, thanks to ANARC SWL net (333 12/6 Cichorek-NJ)

5875nf 1745 BBC FF; relief efforts in Armenia, train crash in London, Project Aftermath, science fiction play in EE w/ EE lessons, ID @ 1830, into GG (444 12/12 Dillon-Greece)

5975 0848 BBC EE; Images of Britain, what foreign correspondents in London are saying, *this freq is via U.K. 0730-1500* (242 12/9 Westenhaber-QU)

6110 0443 BBC AA; IS, ID by OM, Don't Forget Your English (322 11/16 Ryan-NY)

6195 1810 BBC EE; nx, Nx about Britain, financial nx, spts (444 12/13 Dillon-Greece)

7150 0612 BBC EE; Politburo's Ryskhov blasts, Soviet relief efforts, to Australia-New Zealand (555 12/14 Janusz-NJ)

7325 0030 BBC EE; The Million Pound Radio Show-comedy (454 12/8 Fraser-MA)

9580 0742 VOA relay AA; ment Arabia (533 12/16 Trescher-PA)

9915 0000 BBC EE; wld nx, ment Boeing Jumbo Jet crash, ME nx (222 12/23 Miller-CA)

15070 1700 BBC EE; Radio Newsreel, mx from a mx festival held in Bath @ 1715 (444 12/4 Dillon-Greece)

17695 x1130 BBC RR; time pips, tolling bell w/ "Govorit London" ID, OM w/ tlk (fr 12/18 Famularo-Japan)

25750 1406 BBC EE; discussion of int'l extradition procedures (343 12/14 Richmond-MD)

VATICAN CITY Vatican Radio

6015 *2230 VR CC; several min. of bells, YL w/ ID, tlk (fr 12/13 Famularo-Japan)

6248M 2003 VR EE/SS/FF; EE YL describing visit to Vatican of a group of Australian children to SS @ 2007, multi-ling ID @ 2009 (323 12/14 Richmond-MD) 0725 Latin; Mass (322 11/20 Fischer-WI)

9755 0344 VR RR; IS, ID "Govorit R. Vaticana," into pgm (333 12/7 Rucker-MS)

YUGOSLAVIA Radio Yugoslavia

5980 *0100 RY EE; ID "This R. Yugo. b/cing to Europe on...", nx on Armenia (444 12/12 Morby-NY)

9620 0110 RY EE; tlk about U.S. elections, poets, realist painters, awards for artists, het on low side (323 11/24 Wallace-MA) 0100 EE; rpt on aid to Soviet Armenians (555 12/20 Fraser-MA)

9660 2200 RY EE; tlk of 1988, African continent, DX pgm, stock taking time (545 12/30 Robinson-TW)

INTERNATIONAL WATERS World Mission Radio via R. Caroline

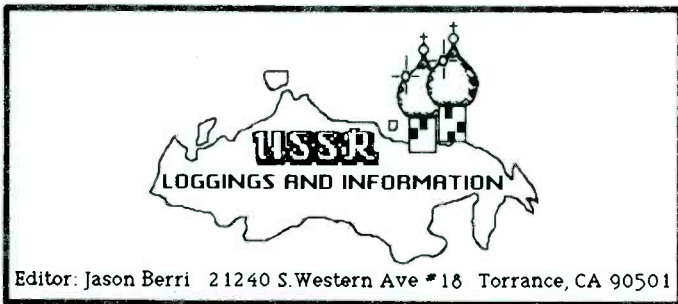
6215 0515 EE; nonstop EZL/X-mas mx, EE/GG ID @ 0530, CA QTH given (343 12/14 Janusz-NJ) 2119 tent. EE; Dutch Evangelist requests letters, Christian mx, 2130 apparent technical problems to Bible Reading, no ID heard (343 12/14 Richmond-MD)

PIRATE Weekend Music Radio

6317 0212 EE/SS; test loop anmts in EE/SS giving ID, freq, power & address, EE by OM & SS by YL, called themselves "Scotlands only int'l SW radio station, promised QSL cards, occasional CW QRM, on 12/26 6312 @ 0315 but very poor (252 12/25 D'Angelo-PA)

UNIDENTIFIED

15085 2020 EE; pop mx request pgm, DJ used mid-70s terminology, wiped out by QRM @ 2030, never heard it again (12/7 151 Fraser-MA)



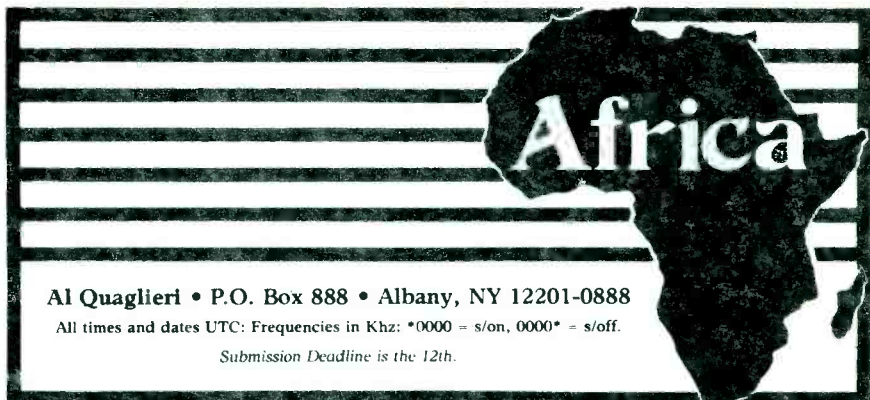
FEBRUARY 1989

U.S.S.R. Radio Moscow Radio Kiev Radio Vilnius Radio Tashkent
Radio Station Peace and Progress Radio Yerevan

- 4485 1212 Kamchatka R.-Petropavlovsk Kamchatskiy (RDI): RR; pop mx, tlk (555 12/25 Miller-CA)
- 4485 0815 B. Tikhiv Okean-Petro. Kam. (RDI): RR/EE; brief EE cmtry @ 0821 & xmas greetings (454 12/24 Hanson-WA)
- 4785 *0158 Azerbaijani R.-Baku (RDI): RR; organ IS, Moscow chimes, NA, then mx, ID - "...Azerbaijanskaya Otchestra" (Azerbaijani Service) (222 12/24 George-MA)
- 4795 0313 Buryat R.-Ulan Ude (RDI): RR (pres.); EZL mx, occas. chat w/ 2 M (454 12/13 Janusz-NJ) (Bishop-NY) (Dillon-Greece)
- 4810 0314 Kirghiz R. (DS1)-Frunze (RDI): RR; mx, W cmtry (312 12/17 Trescher-PA)
- 4860 2241 RM-Chita (ILG): EE; "Focus on Asia & Pacific", pacifist song (222 12/13 Janusz-NJ) (George-MA)
- 4930 0145 RM-Ashkabad (RDI): RR; mx to 0159, IS, TP @ 0200 (322 12/31 Bishop-NY)
- 4940 1720 Ukrainian R. (DS2)-Kiev (RDI): Ukrainian; choral mx, W DJ, ID @ 1750, no nx on the hour (343 12/7 Dillon-Greece)
- 4957.5 0359 Azerbaijani R. (DS2)-Baku (RDI): Azerbaijan; organ IS, M w/ tlk, ment. of "Azerbaijan", then ME-style mx, not // 4785 (333 12/31 George-MA)
- 4990 1805 RY-Yerevan (RDI): AA; W w/tlk abt RR word "Perestroika" & ment. of Armenia, reference to "our republic", ID, address, nx headlines @ 1815 (433 12/7 Dillon-Greece)
- 5035 1825 RM-Alma Ata (RDI): RR; class. mx, M anc @ 1830, tlk, opera, Moscow ID @ 1900 (333 12/7 Dillon-Greece)
- 5040 1905 Georgian R. (DS1)-Tbilisi (RDI): RR; wld nx - soviet leader @ UN, rpt frm Yerevan, IS (433 12/7 Dillon-Greece)
- 5905 1455 RM-Ryazan (RDI): EE; nx, gd signal but hard to understand (feeder QRM'd?), // 5980 clear (454 12/27 Hanson-WA)
- 5925 2100 R. Tallinn-Tallinn (RDI): Swedish?; TP, W opera aria & tlk by M, severe QRM (222 11/28 Wallace-MA)
- 5960 2200 RM: SS; ID on the hour (322 1/1 Bishop-NY)
- 6130 1445 RM (DS2)-Novosibirsk (RDI): RR; RR ballads, M w/ tlk btw selections (343 12/7 -ed)
- 6145 1450 RM-Moscow (RDI): CC; M & W w/RR tlk trans. to CC, mx, good-bye in CC & RR @ 1455 into mx & ID?, // 6155 (433 12/9 -ed)
- 7150 0045 RM-Lvov (RDI): EE; soldier's rpt of Afghan brutality (454 12/13 Fraser-MA) (Trescher-PA)
- 7165 0300 RK: EE; future of USSR w/ Gorbachev (323 12/11 Fischer-WI)
- 7195 0617 RM-Simferopol (ILG): EE; Armenian relief efforts, plane crash (333 12/14 Janusz-NJ)
- 7215 0120 RM-Tashkent: EE; tlk, "Moscow Mailbag", pop mx, nx sum., ID @ 0130 (333 12/28 Miller-CA) (site per verification received by Bill -ed)
- 7370 0847 B. Tikhiv Okean-Khabarovsk (RDI): EE; mx, ID as "Radio Pacific", nx, back to RR @ 0851 (343 1/7 Halverstadt-CO)
- 9450 1038 RM-Moscow (RDI): GG; press review, tlk on USSR-GDR artist exchanges, s/off anmts, 1059* (333 12/9 Westenhaver-QU)
- 9515 1710 RM: EE; ID, wld nx to 1715, "Africa As We See It" & "Farmers Program" (433 12/15 Dillon-Greece)
- 9540 1200 RT-Tashkent (RDI): EE; ID, nx, conf. on Armenian disaster (323 12/21 Woering-MA) (Cichorek-NJ) (Robinson-TN)

9540 1903 RM: EE; M w/ nx - tlk abt Namibia, ID @ 1906 (232 1/1 -ed)
9635 2301 RM-Vladivostok (RDI): EE; ID, nx cmtry (334 12/14 Miller-CA)
9730 1529 RM: Turkish; IS, ID, sked & freq., wld nx by W - Armenian Earthquake (343 12/10 Dillon-Greece)
9810 *1429 RM: AA; IS, ID, nx on Armenia, tlk abt human rights (444 12/10 Dillon-Greece)
9825 2005 RM-Simferopol?: EE; wld nx, // 11840 (333 12/30 Rocker-MS)
9890 0400 RM: EE; ID, nx - tlk on cutback of British arms (545 12/15 Miller-CA) (the SIO indicates a far east site -ed)
9895 1911 RM: EE; end of wld nx, W w/ ID, tlk by Vladimir Posner (222 1/1 -ed) (Miller-CA)
11785 1203 RT-Tashkent (RDI): EE; earthquake nx, ID @ 1205 (444 12/14 Cichorek-NJ) (Robinson-TN)
11850 1000 RM-Konevo (RDI): RR; IS, ID @ 1000 by M into nx or feature pgm (322 11/24 Ryan-NY)
12010 0435 RM-Komsomolsk Amure (UHN): EE; tlk on human rights, ID, pop mx, "Science & Engineering" (555 12/16 Miller-CA)
12040 0458 RM-Sverdlovsk?: FF; IS, ID - "R. Moscow Internationale" (343 12/7 Rocker-MS)
12050 1215 RM-Petro. Kam. (UHN): EE; facts abt film making, poetry, ID, tlk on film festival, QRN (334 12/24 Miller-CA)
12055 1630 RM-Armavir (RDI): FF; wide variety of mx, ID by W, cultural rpt frm Moscow (433 12/17 Dillon-Greece)
12070 1650 Radiostantsiya Atlantika-Lvov (RDI): RR; pop mx, M/W w/ ment of Gorbachev & Lenin, interview w/ singer, no nx on hr, rock mx, ID @ 1728 (343 12/17 Dillon-Greece)
12070 1400 Radiostantsiya Rodina: RR; IS & ID, tlk (232 12/24 Prath-FL)
12070 0400 R. Orbita 3 (DS1)-Khabarovsk (RDI): RR; TP on hour, 1st pgm ID, nx (354 12/7 Rocker-MS)
13645 0353 RY-Khabarovsk (RDI): EE; nx of Armenian earthquake, ID & off @ 0357 (444 12/19 Woering-MA)
13645 2210 RK-Khabarovsk (RDI): RR; tlk, mx interlude, tlk on Soviets, RK IDs (334 12/15 Miller-CA)
15180 0655 RM-Komsomolsk Amure (RDI): EE; telephone hotline set up in Kiev (444 12/8 Fischer-WI)
15180 2315 RV-Komsomolsk Amure (RDI): EE; "R. Vilnius Letterbox", // to 15455 (333 12/8 Rocker-MS)
15225 1315 RM-Vinnitsa (UHN): EE; "Culture & the Arts", // 15470, 15475 (333 12/25 Prath-FL)
15405 2005 RM-Khabarovsk (UHN): EE; wld nx, ID, VOA QRM de 15410, mx (344 12/18 Miller-CA)
15455 2319 RV-Petro. Kam. (RDI): EE; tlk by visiting lecturer, @ 2325 - "Lithuanian by Radio" (444 12/10 Westenhaver-QU) (Cichorek)
15455 0040 RK-Petro. Kam. (RDI): EE; ID, "Ukraine Today", mx, s/off to SS @ 0100 (544 12/14 Miller-CA) (Brown-IL)
15456 0632 RM-Petro. Kam. (RDI): EE; "Inside Report", // 15460, 15465, 15470 (343 12/16 Matsushita-JP)
15475 0907 RM: EE; wld nx, "Culture & the Arts", // 15455 (354 12/18 Rocker-MS) (Miller-CA)
15540 1515 RM-Minsk (RDI): EE; tlk abt Gorbachev's US visit, cmtry, QRM (545 12/7 Miller-CA)
17605 0125 RM: EE; pgm on Soviet scientific & technical advances during 1988, // 7115 (242 12/30 Rocker-MS)
17645 1400 RSP&P: EE; Earthquake will cost \$10 billion in restoration (434 12/25 Woering-MA)
17655 2315 RM: EE; tlk abt Soviet reforms, nx (242 12/24 Prath-FL)
17720 2300 RM: EE; M w/ nx, reaction to the US shooting down 2 Libyan planes (444 1/5 Valentine-CA)
17810 1530 RM: EE; ID, "News & Views" - tlk on relief aid to Armenia, xmas mx (332 12/16 Miller-CA)
17890 0202 RM: EE; nx on Armenian earthquake, "Focus on Asia & Pacific" @ 0211 (243 12/13 Westenhaver-QU)
21890 0040 RM: EE; M w/ s/off (444 12/28 Valentine-CA) (are you sure of this freq. Fred? It is not listed in any source I have -ed)

Two loggings were received this month for RM on 6000 - this is a relay via Havana, Cuba. Another feeder log was received, this one for 6889.7. Please send feeder logs to our esteemed utility editor, Paul Lannuier. I received a note from SPEEDXer Jerry Lucas asking if there are any better russian language reporting forms than the one found in the SPEEDX Guide to Soviet Radio. Can anyone help him out? Speaking of the "SGSR", I recommend it to anyone who would like a general overview of Soviet comms, even though the information is slightly dated. Contact SPEEDX HQ for more information. That's it for this month. 73... -Jason



Hokey smokes, Bullwinkle! After almost a year of computer-assisted editing, I find myself once again face to face with the old Sears electric typewriter. A last-minute glitch in the BIOS chip on the Epson has turned a once-functional machine into an inert, expensive paperweight. As a result, I must now re-type the entire column. I forgot how hard it is to catch/correct mistakes in manual mode, so be forewarned...bloopers ahead!

LOGGINGS FOR FEBRUARY, 1989

ALGERIA

7145 1735 VO Palestine Relay: AA; rebroadcast of Arafat's UN speech, ID, "Sawt al-Filistine, sawt ath-thawah al-Filistiniyyah;" into R. Algiers @1800. 433(12-14 Dillon-GREECE)

ASCENSION ISLAND. REPORTED ON 9600, 15260, + 15400 kHz by Bishop-NY, Brown-IL, Cichorek-NJ, Dillon-GREECE, Miller-CA, and Rocker-MS. Edited for space reasons.

BOTSWANA

4820 0345 R. Botswana: SeTs; cowbells, animal noises, NA, ID, religious tlk. 222 (12-10 Miller-CA)
7255 0422 R. Botswana (t): EE; interview about improving traffic links w/SAF; @0427 BeeGees mx, long anmt by M, but ID nixed by VO Nigeria s/on @ 0425. 243/221(1-5 Westenhaver-QUE)

COTE D'IVOIRE

11920 0000* R. Cote d'Ivoire: FF; lots of pop mx; ID/NA at s/off. 444(12-26 Card-RI)

EGYPT

9850 1800 R. Cairo: AA; ID, Qur'an recitation, chimes @1830, horns, world mx: US tlks w/PLO. 444(12-15 Dillon-GREECE). @0318..533(12-24 Trescher-PA)
9900 2200 R. Cairo: EE; W tlk abt Islamic art; mx. 555(12-27 Robinson-TN). 454(12-30 Rocker-MS). 555(12-24 Trescher-PA)
11980 0707 R. Cairo/VO Arabs: AA; AA mx, poetry, ID @0715 "Itha'atu Filistine," play abt Palestine, ID, sked, full ID. 433(12-17 Dillon-GREECE)
12050 1610 R. Cairo: AA; ID "Min al-Qahirah," call to prayer. 444(12-17 Dillon-GRC)

EQUATORIAL GUINEA

5003.8 2120 R. Nacional: SS; M tlk, Afr mx, //6249.6 (unusual for these to be //), ID @2126 "R. Nac. de Guinea Ecuatorial Bata," then into mx, split from other freq. 322(12-24 George-MA)
6249.2*0459 R. Nacional: SS; L-o-n-g NA, quick ID, into hilife mx. 252(12-11 D'Angelo-PA). @2121 w/cheery speech, ID. 242(1-6 ed.)

GABON

4777 2113 R Dif Gabonaise: FF; trombone/piano mx, W "Ici Gabon" ID, unintelligible M, more jazz. 242(1-6 Janusz-NJ)
4830 0502 Africa #1: FF; Afropops, W dj, mni IDs. 534(12-8 Miller-CA). @2120..433(12-25 Bishop-NY)
21700 1558 R. Japan Relay: EE; GS ID, sked to Europe, TP @1600, into JJ. 242(12-8 Rocker-MS)

GHANA

3366 2152 GBC: EE; play abt Ghanaese gvt. 433(12-20 Bishop-NY)
4915 0005* GBC: EE; on late for holiday; caught closing ID & choral NA. gd(12-25 Sheedy-CA). 545(12-22 Robinson-TN). 333(1-1 Bishop-NY). 334(12-16 Miller)

KENYA

4934 0254 VO Kenya: EE; soft EZL mx to TC/ID by M @0259; fanfare, M nx; march mx @0315, into lcl mx; fade by 0335. 232(12-12 D'Angelo-PA). @1545 w/Christmas sce, TC, ID. poor+(12-25 Famularo-JPN)[Even tho' this is a short-path reception in Japan, it reminds me that I've yet to see any WCNA African long-path logs (a1300-1500) this year. -ed.]

ETHIOPIA (I warned you this was gonna be messy....)

9660 1825 VO Ethiopia: EE; M/W tlk, lots of lcl flute mx, break in QRM allowed words ".VO Ethiopia is on the air.." to slip thru @1854, foll by poss nx recap. 322/1(1-4 ed.)

LESOTHO

4800 0311 R. Lesotho: SeSotho; mixed choir acapella mx, then instr vers of "Spoonful," then M tlk w/ID @0314; rel mx, sermon by M. 333(12-30 ed.). 533(12-17 Trescher-PA)

LIBERIA

4760 2159 ELWA: EE; ID, into news. 322(12-20 Bishop-NY)

9750 1640 VOA Relay (t): EE; Africa Sport '88: review of Afr sport triumphs. Not listed anywhere, but Liberia is only 9750 VOA smtr I can find. 222(1-6 Janusz-NJ).

LIBYA

15235 2352 R. Jamahiriyah (t): AA; ME mx to 2358, M tlk (ID?), lo mod on tlk + thus difficult to understand. [For my money, just having it in AA makes it hard to understand. - ed.] 233(12-18 Berri-CA)

MADAGASCAR

4957.6 0238 R. Madagasikara (t): Malagasy?; mx: weird, ME flute/string thingies, odd tonality; W tlk; more conventional piano mx, more chat, an so on until 0259 when orchestra snippet IS (2X), W TC, poss ID, nx to 0306. 90% sure it was them. Best in LSB w/regular KKN39 QRM. 222(12-30 ed.)

5010.0 0205 R. Madagasikara: VN/mni FF words; Afro ballad, M/W chat, more mx; quick tinkly IS @0230, positive ID by M "Radio Madagascar," tlk to 0304 when more mx; faded quickly after that. 333(1-11 George-MA). [Nice one. -ed.]

9540 2104 R. Nederland Realy [sez Ed: "It realy is!": EE; tlk abt Swahili cultural influences on Islam. 333(1-6 Janusz-NJ)

MALI

4835 *0557 RTV Malienne: FF; xylo IS, M ID "Ici Bamako", freqs, lcl mx. 243(1-2 George-MA). @2125 w/1977 BeeGees mx (now you know why I listen to shortwave!). 242 (1-6 Janusz-NJ)

11715 0030 R. Beijing Relay: EE; rpt on billiard tournament begging for sponsors who believe it is gambling and makes criminals. ["We've got trouble, with a capital 'T'..." c'mon everybody, sing along..-ed.] 555(12-14 Fraser-MA). 454(12-7 Rocker-MS)

MAURITANIA

4845 *0621 RTV Mauritanie: AA; 1 kHz tone to 0627, then 3X stringed instr IS; mx, M ment Nouakchott, into Qur'an recitation. 444(12-29 ed.) @0627 carrier tone, M saying "1-2-3-4-5" in EE over carrier. [Gee, that must be their newly-expanded EE sce..-ed.] 333(12-21 George-MA). @2135 w/stunning mx [Hope you're OK now. -ed.] 333(1-6 Janusz-NJ)

7244.8 0917 RTV Mauritanie (p): AA?; ment Reagan & Bush, Pan-Am. 322(1-6 Brown-PA)

MOROCCO

5995 0503 VOA Relay: EE; world nx: Chinese in USSR. 533(12-10 Trescher-PA)

15330 1735 RTV Marocaine: AA; interview, AA mx, list of names/Moroccan cities, phone call. 444(12-17 Dillon-GREECE)

15335 2200 RTV Marocaine: AA; vcl mx, M tlk, W ancr, applause after mx. 444(12-28 Robinson-TN)

17595 1608 RTV Marocaine: EE; light instr mx; @1613 anmt "...Int'l Sce of Radio Morocco," into canned tlk abt EE language usage. 242(12-15 Westenhaver)

MOZAMBIQUE

9617.8 0435 R. Nacional: PP; fanfare, PSA, M dj w/TC, local mx; passing RN ID @0448. Tough, w/splatter on both sides. 322(12-29 ed.)

9637 0433 ER de Sofala, Beira: VN; lively hilife mx, M dj mni ments Beira; wiped by *0448 DW/9635. Last hrd hr 2/87..seems to be audible under disturbed ionospheric condx..this was fluttery but audible in the middle of a major "proton event." 232(1-5 ed.)

NIGERIA

7255 0545 VO Nigeria: EE; tlks abt Nigeria, ID, strong humming [They can't afford kazoos, Bill. - ed.]. 244(12-16 Miller-CA)

RWANDA

7225 0415 Deutsche Welle Relay: EE; troubles faced by Afr students in China; ID as Morning Magazine in DW's b/cast to Africa. 343(1-5 Westenhaver-QUE)
 11965 1535 DW Relay: EE; Living in Germany: university crisis - too mni students [Things could be worse. See above. - ed] vy good(1-4 Sheedy-CA)
 15270 2348 DW Relay: GG; M & W tlk, ID @2350. 333(12-18 Berri-CA)
 17780 0930 DW Relay: EE; weekend sports, Asia-Pacific report. 443(12-5 Matsushita-JPN)

SEYCHELLES

11790 0258 FEBA: ?? [Farsi listed]; "What a Friend" IS, M/W s/on anmt, into gospel pgm to 0330*. 343(12-21 Hanson-WA)
 11870 1508 FEBA: EE; world nx, incl India defeats NZ in cricket; ID. pr/fr(12-12 Famularo-JAPAN)

SOUTH AFRICA

3215 0338 R. Oranje: Afk; lame vers of Blame It On the Bossa Nova (as if the original wasn't lame enough), M TC, W ID, lamer still vers McNamara's Band. In the name of humanity, let's send these people some decent music! 343(12-29 ed.)
 4880 0402 R. Five: EE; world nx, African nx, pop mx. 322(12-10 Miller-CA)
 9580 2315 R. RSA: EE: call-in show: calls from WI, IL. 333(12-31 Brown-IL)
 9585 *0400 R. RSA: EE; beamed to Afr/ME; ux read by Peter Finn. 343(1-5 Westenhaver-QUE)
 9615 0200 R. RSA: EE; M nx: SAF economy, poss inflation rise. 444(1-7 Valentine-CA). 545(12-22 Miller-CA)
 11760 0200 R. RSA: EE; nx: fatal minibus accident in Kenya. 433(12-18 Brown-IL)
 11880 0530 R. Five: EE; quick headlines, airport arrivals, VW ad, TC w/ID tag; contest promo, into OMD mx. poor(12-20 Sheedy-CA)
 15175 *2158 R. RSA: EE; New Year's phone-in; //11770, 9580, 11875, 3940. 444(12-31 Westenhaver-QUE)
 15185 1841 R. RSA: Dutch; review of 1988 in SAF; 1856*. 343(1-1 Westenhaver-QUE)
 15220 2051 R. RSA: SS; Christmas mx & greetings, ID. 555(12-24 Trescher-PA)
 15365 2000 R. RSA: EE; ID/freqs, This is South Africa after nx. 444(12-20 Cichorek-NJ). 443(12-18 Brown-IL). @0457 in FF.354(12-12 Rocker-MS)
 21590 1715 R. RSA: FF; tkl abt Armenian relief effort. 444(12-13 Miller-CA)
 25790 1520 R. RSA: EE; countdown '88 hits, some icl references. First noticed this on my scanner! 333(12-31 Ehly-IA). 544(12-14 Miller-CA)

TUNISIA

7475 1805 R. Tunis: AA; M ME/world nx, tkl abt law & freedom in Tunisia, ID; //9675, 12005. 322(12-14 Dillon-GREECE). @0457..343(1-2 George-MA). 533(12-10 Trescher-PA). 323(12-13 Fischer-WI)
 11550 1525 R. Tunis (t): AA; M tkl, ment "Arabiyah", but no ID in nonstop yak past 1535. 344(12-6 Berri-CA)

UGANDA

4976 0403 R. Uganda: EE; M nx, ID @0413, into vcl mx & brief tlks by W. 232(12-22 D'Angelo-PA). 322(12-26 Bishop-NY)
 5026 2040 R. Uganda: VN; M dj w/Afropops to 2100, then s/off anmts in VN/EE/AA to 2101*. 252(1-6 ed.)

ZAMBIA

4909.9 0339 ZBS: EE/VN; fisheagle IS, W tkl, mx to 0400 when M TC in EE, then nx; ID @0405 "This nx comes to you from the Zed-B-C." 222(1-1 George-MA). 444 [wow!-ed.](12-27 Brown-PA)

CLANDESTINE

11490 0145 VO Unity: ?? [Amharic?]; mni ments Afghanistan, poor audio, off @0224* after flute IS; //12230. Both jammed. 422(1-9 Brown-PA). 312(12-6 Berri-CA)
 9700 0501 A Voz. Galo Negro: PP; inept anthem, lotsa fanfares & tkl abt Angola/Namibia/Jamba, Several IDs, OK 'til DW on mid-sentence @0506. 333(12-29 ed.)

UNIDENTIFIED TUNING OBJECTS

4855.2 2055 UNID: PP?; pop mx, chime IS @2100, similar to Mozambique; lotsa mx to f/out @2120. Hrd only once. 222(12-25 George-MA)
 4953.2 0200 UNID: PP; W unintelligible ID, echo anmt, fairly nonstop EZL mx, extremely similar to Angola's Madrugada allnite sec; bet it's them. wk(1-2 ed.)

THE HEAR AFRICA LIST

FREQ	STATION	SKED
2643.3v	Madagascar	(02-05, 13-21)
3200	TWR Swazi	(03-0333, 19-2015)
3210	Mozambique	(0255-0530, 15-2215)
3215	R. Orange, RSA	(0300-0420, 1540-1930)
3222	R. Kara, Togo	(0525-0815, 1630-2305)
3230	ELWA, Liberia	(0608-0802, 1805-2210)
3230	R. RSA	(03-0426)
3231.7	Madagascar	(1300-1900)
3240	GBC, Ghana	(0530-0615)
3240	TWR Swazi	(0255-0345)
3255	ELBC, Liberia	(0455-09, 18-00)
3255	BBC Lesotho	(0350-0555, 1515-2114?)
3260	Niger	(0530-07, 1700-22)
3270	SW Africa	(0430-0700, 1930-2200)
3287.6	Madagascar	(02-05, 15-21)
3289.9	Zambia	(0348-0730, 1530-2105)
3289.8	SW Africa	(1630-0625)
3290	Tristan	(16-17 M-F, 1945-22 MWF)
3300	Burundi	(03-07, 16-21, Su 03-10)
3312.5v	Beira, Moz (PF)	(0250-05, 1500-2000)
3320	R. Orion, RSA	(1930-0300)
3320	SABC	(03-0405, 1610-1930)
3326	Lagos, Nigeria	(0430-10, 17-2310)
3330	Rwanda	(03-06, 09-21, 03-21Su)
3330.7	Comoros	(03-05, 16-19)
3337.9	Inter., Moz.	(0255-0530, 15-2212)
3345.2	Zambia	(0348-0530, 1530-2105)
3350	GBC, Ghana	(0530-0615)
3355.5	Angola	(1500-0533)
3356	Botswana	(0348-2105)
3366	GBC, Ghana	(0530-09, 17-2315)
3368.6	Beira, Moz (VN)	(0250-0500, 1500-2000)
3375.8	Angola	(1500-0600)
3380.6	MBC, Malawi	(0253-0530, 18-2210)
3390.2	CANDIF, Zaire	(0355-0645, 1630-2000)
3927.4	Cap R., Transkei	(0229-0400, 1730-20)
3955	SABC	(0300-0500, 1545-1930)
3955	R. Orion, RSA	(1930-0300)
3970	Buea, Cameroon	(0430-08, 1630-23)
3975	LRCN, Liberia	(irregular, a0600)
3990	VDA, Liberia	(03-0430, 06-07)
3993	LRCN, Liberia	(??-0001 irregular)
4000	Bafoussam, Cam.	(0425-08, 16-2302) inac?
4750	Bertoua, Cam.	(0425-08, 16-2214) inac?
4750.8	Zaire	(0357-07, 10-13, 15-21)
4760	ELWA, Liberia	(0555-0802, 1725-2230)
4760	TWR, Swazi	(1530-1830)
4770	Kaduna, Nigeria	(0430-2305)
4777	Gabon	(0458-0800, 16-23)
4779.9	Kuando-Kub, Ang	(0600..)
4780	Djibouti	(0300-1900)
4782.9	Mali	(06-08, 18-00)
4785	Tanzania	(0300-2020)
4789.8	TWR, Swaziland	(1800-1845)
4795	Douala, Camer'n	(0515v-0645, 1630-2304)
4800	Lesotho	(0300-2200)
4804v	Kenya	(02-0620, 13-2010)
4815	Burkina-Faso	(0530-08, 17-0000)
4820	Botswana	(0348-2105)
4820.3	Huila, Angola	(0400-2300v)
4825	Tanzania	(0330-0430, 1530-1915)
4828.2	Zimbabwe	(0320-0500, 1545-2200)
4830	ANG, Gabon	(05-06, 17-23)
4835.6	Mali	(06-08, 18-24)
4839	Bukavu, Zaire	(04-07, 1530-1830)
4845	Mauritania	(0627-0830, 17-00)
4850	Cameroon	(04-07, 1630-00)
4854.8	Mauritius	(1300-1901)
4855	Mozambique	(18-19) (+ poss 07-15)
4860.4	LundaSul, Ang.	(0500-2230)

MORE HEAR AFRICA

4860.5	Mozambique	(0255-0530, 15-2215)
4870	Benin	(05-08, 11-14, 16-2302)
4880	R. 5, RSA	(03-0510, 1620-2200)
4885	Kenya (Nat.Sce)	(1830-2113)
4885	Mombasa, Kenya	(0250-0715, 1330-1745)
4890	RFI via AND Gbn	(0358-0500)
4891v	Senegal	(06-08, 18-0030)
4894.6	Bie, Angola	(0500v-2200)
4902.5	Egypt (spur)	(0350-0700)
4904.5	Chad	(0455-2202) (r 0702*?)
4909.8	Zambia	(0348-0530, 1530-2105)
4915	GBC, Ghana	(0530-09, 12-2304)
4915	Kenya	(0230-1930)
4919v	Inter, Mozamb.	(0255-0530, 1500-2200)
4925.8	Eq. Guinea	(05-0630, 16-2204)
4930	SW Africa	(0625-1630)
4931.8	Nigeria	(04-2305?) irreg.
4934	Kenya	(02-0630, 1300-2106v)
4940	Cote d'Ivoire	(0557-0000)
4950	EqGuin/Afr.2000	(0600?-??)
4950	Voz da Verdade	(0600-0700, 2000-2100)
4953.2	Angola	(24h)
4957.6	Madagascar	(02-05, 16-21)
4965	SW Africa	(0625-1600)
4969.9	Cabinda, Angola	(0545v-2300)
4975	Galo Negro	(0330-06, 1730-2200)
4976	Uganda	(03-0545, 13-2102)
4980	Swazi Comm. R.	(0455-06 Sun, 1630-2030)
4980	Paralelo, Swazi	(0600-1300)
4990	Nigeria	(0456-0750)
4990	R. RSA	(0430-0530, 17-21)
5003.7	Eq. Guinea	(05-0630, 16-2205)
5010	Garoua, Cam.	(0425-0805, 1630-2315)
5011v	Madagascar	irregular
5011.3	Zimbabwe	(0320-0500, 1500-2200)
5016	R. Truth	(04-05, 17-18)
5020.1	Niger	(0530v-07, 17-2203)
5025.5	Parakou, Benin	
5026	Uganda	(03-06, 13-21)
5034.2	C.A.R.	(0430-07, 1630-23)
5040	Benguela, Ang.	(0430-2300)
5047	Togo	(0528-08, 17-0005)
5050.1	Tanzania	(0300-2015)
5055	TWR, Swazi	(04-05, 16-1645, 1745-1830)
5059v	Angola	(24h) (gone?)
5062v	Huambo, Ang.	(0400-2300)
5066.4	CANDIP, Zaire	(0325-07, 1430-1945)
5191.1	EP Mexico, Ang.	(0500-2300)
5286.5	Mondou, Chad	(05-08, 14-1834)
5405v	Namibe, Angola	(05-23)

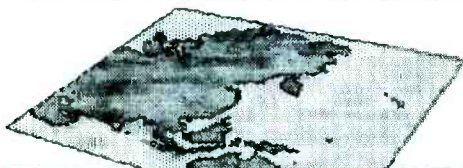
And the cavalcade of mismatched typefaces continues unabated.....
DX NOOZ will not appear this month. All the info I was about to use is stored in my non-functioning computer.

SPEEDXer Craig Dible write with an inquiry about the current status of DX AFRICA, a club based in Nigeria and run by Mr. Friday Okoloise. At my last contact with Mr. Okoloise, the club and its bulletin - DX AFRIK - were in limbo. If any of our esteemed membership have current info on this organization (last heard from in 1987) please send it this way.

Something I found out because it's down the street from me: SCANNER WORLD USA is selling the Sangean line of SW portables, including the ATS-803A, which goes for \$189.99. Phonenumber is (518)436-9606. This is just a tip, not an ad!

Oh No Dept.: It seems to be the time of year again when I start to get letters from total strangers in other lands who are trying to schmooze a free WRTH, tape deck, or even a Sony receiver out of Americans whose addresses are public knowledge (like yours truly). Please...all Americans are not loaded..I can hardly afford to maintain my dues in SPEEDX, let alone buy goodies for others. Many DXers find this behavior rather offensive, as do I. Just thought I'd mention it.

Thanks to all contributors this month...Happy Valentine's Day!!!!!!



ASIA/OCEANIA

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Deadline: 12th
Dates/Times: UTC
Frequencies: KHz

Welcome to the February column. Before starting the loggings, I'd like to take this opportunity to offer my condolences to our Japanese members on the death of the Emperor.

AFGHANISTAN--Two frequencies reported, but neither is quite from Afghanistan itself: 4740 kHz with R. Afghanistan HS is actually from a transmitter in the USSR (most likely Ashkhabad); 5295 USB is actually a feeder for the R. Free Afghanistan service of R. Liberty.

<u>AUSTRALIA</u>	<u>Radio Australia</u>	<u>VLM Brisbane</u>	<u>VLW Wanneroo</u>
2310	1337	<u>VLBA ALICE SPRINGS</u> : EE: Px of Christmas mx; //2325 and 2485 (222 12/25 Cole-OO)	
4920	1203	<u>VLM4</u> : EE: M nx ending w/"ABC News" ID @ 1215; into James Taylor song (252 12/21 D'Angelo-PA)	
9580	1205	<u>RA</u> : EE: Nx of expulsion of diplomats in Pakistan and Australia (453 12/2 Meinhardt-IL) @0913 w/pX "word of Mouth" (554 12/7 Kline-CA) (plus 6 others)	
9770	1329	<u>RA</u> : VV: EE anmt ment this frq //7135 and said VV px beginning; kookaburra; opening VV anmts/nx (142 12/8 ed.)	
15140	0040	<u>RA</u> : EE: Pop mx w/ID's and TC's (333 12/14 Cichorek-NJ)	
15425	1417	<u>VLW15</u> : EE: Wx bulletin w/severe cyclone warning--winds up to 220 km/h (good 12/17 Famularo-JAPAN) @ 0812 w/pop mx (e.g. Lionel Richie) and M DJ (253 12/27 Rocker-MS)	
17795	0307	<u>RA</u> : EE: "World nx from R. Australia" (333 12/9 Ehly-IA) @ 0120 w/listeners' letters (534 12/11 Miller-CA) @ 0115 w/tlk abt illegal fishing (544 12/29 Valentine-CA)	
21525	0200	<u>RA</u> : EE: West Indies vs. Australia cricket match; ID/mx during lunch break; this frq used only for special sports bcasts (fair 12/28 Famularo-JAPAN)	

<u>CHINA</u>	<u>Central People's Bcast Stn</u>	<u>Radio Beijing</u>
	<u>Radio France</u>	<u>Internationale relay</u>
3950	1355	<u>JINGHAI PBS</u> : CC: Traditional theatre (squeaky-voiced w and shouting M) to 1400; TP and clear M ID (fair 12/16 Famularo)
4875	*1140	<u>VQ JINLING</u> : CC: Open carrier to 1155, when ID and s/on anmts by M/W; Classical mx to 1200 TP; then long tlks by W (353 12/14 D'Angelo-PA)
5220	0915	<u>RB</u> : EE: Unannounced frq to Pacific w/mx and interview; 0927* but back in EE @ *0930 (poor-fair 12/4 Famularo-JAPAN)
5960	1212	(p) <u>YUNNAN PBS</u> : CC: M/W CC arias; W tlk (333 12/14 Cichorek)
5971	1320	(p) <u>GANNAN PBS</u> : TIBETAN: W tlk; CC-style songs by W (322 12/18 Matsushita-JAPAN)
6620	*1530	<u>RB</u> : ??: RB IS: M CC ID; then W ID and px in unID lang (323 12/30 Berri-CA)
6750	1455	<u>CPBS-1</u> : CC/EE: M/W w/EE lesson; //6840 was SIO 434 (444 12/12 Berri-CA)
6860	2120	<u>RB</u> : EE: Interview re influence of American culture (esp. rock mx) on China (232 12/30 George-MA)
6890	1155	<u>CPBS-2</u> : CC: Non-stop inst. mx to 1210; W ID and very brief tlk; then back to mx; //10260 (242 12/17 Prath-FL)
6920	1500	<u>CPBS-2</u> : CC: TP; M tlk; no ID hrd but //6890 (444 12/12 Berri)
7405	1400	<u>RB</u> : EE: Roundup of 1988 events; coming in like a local (454 1/2 Radtke-CA) @ 1535 w/"Current Affairs" on new TV stn (Channel 21) in Beijing (good-excellent 12/26 Famularo-JAPAN) (also Berri-CA) (This frq beamed to WCNA-ed.)

(There's lots more where these came from....)

CHINA continued...

7516 1705 CPBS-1: CC: M nx; no ID hrd (434 12/10 Berri-CA)
 9570 *1700 RB: EE: World nx w/details of Armenian earthquake (433 12/8 Zirkelbach-CA) (Welcome back, Bobi-ed.)
 9665 1245 RB: EE: "Listeners Letterbox" px (554 12/20 Fraser-MA)
 11445 0020 RB: SS: W tlk; CC mx; QSB made for poor copy (333 12/14 Zirkelbach-CA)
 12110 1438 RB: TAGALOG: W tlk on Palestine, PLO and UN; ID; CC mx (fair-good 12/15 Famularo-JAPAN)
 15285 *1030 RFI: FF: W nx w/rpts from Phnom Penh, etc; //Yamata relay Frqs 15215 and 17705 (454 12/18 Matsushita-JAPAN)
 17700 0312 (p)CPBS-2: CC: Warbly CC songs w/w presenter (232 12/9 Ehly) (N.B.: 13685 @ 0250 in SS is the RB relay via French Guiana-ed.)

CYPRUS

BBC relay

21470 1655 BBC: EE: "The World Today" on Namibian peace proposals (555 12/14 Janusz-NJ) @ 1600 w/world nx (343 1/10 ed.) (N.B.: BBC WS on 15420 @ 0312 is via Seychelles, and BBC WS on 17885 @ 1816 is via Ascension Island-ed.)

FRENCH POLYNESIA

RFO Tahiti

15170 0410 RFO: FF/TAHITIAN: Beautiful island mx; tlk in Tahitian and some FF (322 12/6 Zirkelbach-CA)

GUAM

KSDA-AWR Asia

13720nf 2330 KSDA: CC: EE lesson; M/W tlk; theme mx and M sked in CC/EE (544 12/27 Matsushita-JAPAN) (Per new sked from stn, 13720 is in use 2200-0200 and 1000-1600, in various languages, replacing old frqs 9465, 9830, 11700 kHz-ed.)

INDIA

All India Radio

7120 2210 AIR: CC: Trad. Indian and Chinese mx; ID "Delhi guangbo diantai"; then M tlk (fair-good 12/9 Famularo-JAPAN)
 15155 1015 AIR: EE: Cmty; ID; Hindi devotional mx; then women's px (good 12/11 Famularo-JAPAN)

INDONESIA

Radio Republik Indonesia

3945.8 2120 RRI TANJUNGPURBAN: IN: Qur'an recitations and AA-style singing; 773395 (poor-fair 12/9 Famularo-JAPAN)
 5256.3 1124 (t)RRI SIBOLGA: IN: AA-style choral singing w/M tlk between selections; heavy CW QRM (poor-fair 12/3 Famularo-JAPAN)
 5500.8 1419 (p)RRI BIAK: IN: Mix of light mx/AA-style mx to 1457; (p) 1cl ID and SCI; @ 1500 RRI ID and M nx (poor-fair 12/9 Famularo-JAPAN)

IRAN

Voice of the Islamic Republic of Iran

9525 1730 VOIRI: AA: ID "Huna Tehran..."; martial mx; then Mideast nx (433 12/15 Dillon-GREECE)

IRAQ

Radio Baghdad

7210 1908 RB: AA: Tlk w/ments "Arabiya"; signature tune (422 12/10 Trescher-PA) (One of their usual theme songs, Fred?-ed)
 7285 2309 RB: AA: M chanting--too fast/melodious to be Qur'an; @ 2309 M anmt; then Baghdad's usual theme mx to 2311* (333 1/11 ed.)
 9515 0335 RB: EE: Nx abt Africa and Baghdad; ID's; slogan "The best stn w/the best mx" (545 12/14 Miller-CA)

ISRAEL

Kol Israel

9010 2230 KI: EE: Nx abt the Israeli economy (545 12/27 Robinson-TN)
 9435 0210 KI: EE: Tlk abt Hannukkah holiday activities (444 12/7 Zirkelbach-CA) @ 2230 w/nx of invitation to President Mubarak to visit Israel (555 12/26 Robinson-TN) @ 0215 w/ tlk on tracing genealogy in Israel (444 1/7 Valentine-CA)

JAPAN

Radio Japan

5990 1715 RJ: EE: Tlk on lifelong education in Japan (444 12/19 Zirkelbach-CA)
 7140nf 1645 RJ: JJ: M/W tlk w/mnl ments Tokyo; EE ID @ 1700; new frq for General Service (333 12/10 Berri-CA) (N.B.: RJ on 15350, in JJ @ 0245 and in SS @ 0335 are actually via the French Guiana relay-ed.)

KAMPUCHEAVoice of the People of Kampuchea

11937 *1200 VOPK: EE: S/on by W; M tlk abt "nuclear" something; W tlk/ID's; into FF @ 1215; poor copy (221 12/29 George-NC) on 11938 @ *1200 w/ID "Radio the VO the People of Kampuchea"; Christmas greetings (!); Cambodian songs; tune low to avoid het from Singapore-11940 (fair-good 12/25 Famularo-JAPAN)

KOREA, DEMOCRATIC PEOPLE'S REPUBLICRadio Pyongyang

9325 1700 RP: EE: W nx; ID @ 1712 (433 12/19 Zirkelbach-CA)
 9600 *1200 RP: SS: M s/on routine; W px preview; other M nx; on top of Co-chan Tashkent; //9977 SIO 343 (322 1/11 ed.)
 9977 0932 RP: SS: Tlk abt anti-imperialist meeting in Pyongyang; ID @ 0935...0949*; didn't realize Pyongyang had SS in this early time slot (343 1/7 ed.)
 13650 2310 RP: EE: Nx; political cnty/anti-US tlk (343 12/25 Prath-FL)
 17765nf *0400 RP: EE: Anthem; detailed sked to SEAsia; W nx abt building walls in N. Korea. (what about roofs?); hrd //15180 (fair-good) but 15160 covered by CC stn (poor-fair 12/10 Famularo)

KOREA, REPUBLIC OFRadio Korea

9570 1400 RK: EE: Nx/views abt Armenian quake (454 12/18 Radtke-CA)
 15575 0005 RK: EE: Nx (433 12/8 Bishop-NY)

KUWAITRadio Kuwait

9840 0233 HK: AA: Signature tune and ID; QRM de VOA (533 12/21 Trescher)
 9880 2005 RK: AA: Non-stop mx; //15505, 15495 (354 12/30 Rucker-MS)
 11665 1945 RK: EE: Explanation of Ramadan (444 12/10 Fraser-MA) @ 1835 w/nx of US tlks w/PLO; list of Kuwait city pharmacies open tonight (544 12/15 Dillon-GREECE)
 11990 2315 RK: AA: AA mx px; W ID/brief tlk and back to mx; //15495, 15505 (444 12/26 Prath-FL)
 15495 0456 (t)RK: AA: Qur'an to 0500; M tlk w/mx bridge; no ID; low mod (222 12/29 Berri-CA)

LEBANONKing of Hope Voice of Lebanon

6215 0318 KoH: EE: Religious sermon and Christian mx (533 12/10 Trescher-PA) (Did you get an ID, Fred?-ed.)
 6550 0257 VoL: AA: AA songs w/w presenter; Tentative since no ID hrd (222 12/6 Cichorek-NJ) @ 1835 in AA w/old pop favourites and AA/FF ads; nx/ID @ 1915 (242 12/13 Dillon-GREECE)

MARIANA ISLANDSKFBS KYOI

9465 1453 KFBS: RR: M tlk/hymn; M/W anmts w/bells theme mx; M ID "radio-stantsiya KFBS"; more rlg px @ 1500 (232 1/10 ed.)
 15405 0150 KYOI: EE: Pop/rock mx; ment QSY to 17780 @ 0200 (433 12/7 Zirkelbach-CA)
 17780 0230 KYOI: EE: Top nx stories; info abt "Christian Science Monitor" nxpaper; pop/rock mx (444 12/20 Zirkelbach-CA)

MONGOLIARadio Ulan Bator

7264 1315 RUB: MONGOLIAN: W ID; interview w/M; //4081, 4850, 4995 (433 12/15 Matsushita-JAPAN) (Very nice!-ed.)
 9616.6 0933 RUB: EE: Trad string mx; quick M ID and off 0937* (fair 12/11 Famularo-JAPAN)
 15305 1458 RUB: EE: W read world nx; ID; organ mx; good signal but slightly undermodulated (fair-good 12/15 Famularo-JAPAN)

NEPALRadio Nepal

5005 1141 (t)RN: NEPALESE?: Light mx w/w ancr; TP @ 1215; short M/W tlks w/bits of mx; seeded //7165 (232 12/10 George-NC) @ 1215 w/TP; then lcl mx (222 12/28 Eckert-PA) on 5006 @ 1135 w/lcl vocals/tlk to 3+1 TP @ 1215, when W ID; tough copy acct RTFY QRM (222 12/15 D'Angelo-PA)

OMANBBC relay Radio Oman

15310 1300 BBC: EE: WS nx; never hrd anything under Norway before (121 12/11 Fraser-MA) (Bob, you had this one down as (t) Hong Kong, but the current "London Calling" lists only Oman on this frq-ed.)
 17735 1627 HQ: AA: AA inst mx; @ 1630 anmt w/"Idha'atu al-saut al-oman" ID; radio drama to 1645; another ID and into AA mx (343 1/2 ed.)

PAKISTANRadio Pakistan

4777.7 1413 RP: URDU: Excited M speech; IS/ID; brief Qur'an; W tlc ment "Pakistan People's Party" (poor-fair 12/2 Famularo-JAPAN)
 9762.5 1650 RP: ??: M tlc; Qur'an; lcl mx; Urdu ID "Yeh R. Pakistan hay" @ 1700 (fair 12/28 Famularo-JAPAN)
 11570 1723 RP: EE: W nx; M ID and MidEast mx; another ID @ 1730 and tlc abt new Prime Minister (222 12/3 Cichorek-NJ)
 15113 0100 RP: URDU: TP; "Yeh R. Pakistan hay" ID; nx abt Armenian earthquake (fair-good 12/12 Famularo-JAPAN)
 21490 0200 RP: URDU: TP/ID; nx followed by "Bonanza" theme (!)...EE dictation nx @ 0230 (fair-good 12/18 Famularo-JAPAN)

PHILIPPINESFar East Bcast Corp Radio Veritas Asia VOA relay
Maharlika Bcast System

6120 1215 FEBC: JJ: Tlc w/ments Philippines/Moscow/Tokyo; many ID's (233 12/14 Miller-CA)
 6160 1456 RVA: EE/CC: Nx; M ID/frq @ 1500; into CC (444 12/9 Berri-CA)
 9360.5 0945 MBS: EE/TAGALOG: Relay of DWHP Quezon City w/w DJ taking phone calls; many canned ID's/ads; best in LSB; first time hrd in 3 years! (fair-good 12/4 Famularo-JAPAN) (!-ed.)
 15215 2256 VOA: IN: M tlc w/ID "Suara Amerika dari Washington; chimes/medley of New Year's songs; nx @ 2300 (333 12/31 ed.)
 15220 1519 RVA: EE: Evelyn Algado playing listeners' requests; no sign of //15510 but poor conditions (poor-fair 12/16 Famularo)
 15325 0130 RVA: EE: Short nx; rlg tlc; ID as "R. Veritas Asia" (333 12/6 Zirkelbach-CA) @ 0150 w/lcl/UTC TC's; nx from "Overseas Service of RVA"; into either CC or VV @ 0200 (252 12/12 D'Angelo-PA)
 15460 1450 RVA: EE: Xmas px; ID w/frqs (//15220 not hrd); 1500* (323 12/23 George-MA)
 15510 1509 RVA: EE: Listeners' mx requests; ID/address; world nx; //15220 was poor (fair 12/9 Famularo-JAPAN)

SAUDI ARABIABcast Service of the Kingdom of Saudi Arabia

9705 2030 BSKSA: EE: Episode of venerable "Sherlock Holmes" series (232 12/5 Hanson-WA) (Did the butler do it?-ed.)
 9720 1937 BSKSA: EE: Drama to 1943; "You are listening to the BSKSA"; then light mx w/w host (242 12/23 D'Angelo-PA) w/old-time jazz and Qur'an to 2100* (444 12/24 Card-RI)
 9870 1500 BSKSA: AA: Lively MidEast mx w/M and W chorus (323 12/8 Fischer-WI) (ID?-ed.)

SINGAPORESingapore Bcast Corp

5052 1414 SBC: EE: Xmas carols; Radio 1 contest anmt; ID/address; tune high to avoid Guangxi-5050 het (fair 12/24 Famularo-JAPAN)

SYRIARadio Damascus

12085 *2005 RD: EE: Western jazz/Syrian mx; domestic/international nx (454 12/4 Card-RI) @ 2005 w/nx of Greek protests against foreign bases in Mediterranean (322 12/17 Fischer-WI) @ 2100 w/nx of Iran/Iraq, Bush, PLO (545 12/28 Robinson-TN)

TAIWANWYFR relay Voice of Free China

6210 1504 (p)WYFR: CC: Xmas mx; M tlc; no ID hrd (434 12/9 Berri-CA)
 6300 2215 WYFR: CC: M/W tlks; rlg mx; Family R. theme mx and ID on the hour easily recognizable (242 1/2 George-NC)
 9280 1403 (p)WYFR: CC: Hymn; @ 1408 theme mx WYFR often uses and into M tlc; tune high to avoid ute QRM (333 1/10 ed.)
 15345 *0300 VOFC: EE: Usual s/on routine and nx...QRM after 0320 de unID stn on 15350 (344 12/14 Miller-CA)

TURKEYVoice of Turkey

9460 1919 VOT: TURKISH: Rock and Turkish mx (555 12/10 Trescher-PA)
 15200 0903 VOT: TURKISH: W ID; Turkish mx; //weaker 15105 (444 12/18 Rocker-MS) (Per sked, 15200 is beamed to Europe, but 15105 is beamed to SWAsia-ed.)
 17785 1339 VOT: EE: ID; audio tour of Istanbul (343 12/4 Cichorek-NJ) @ same time w/new px "Turkish-Greek Relations Past and Present" (343 1/8 ed.)

(Not enough room to start a new country here. Hope I can fit everything into the last page. If there's no room for DX news--and even if there is--don't forget to check out Bruce MacGibbon's new column-ed.)

UNITED ARAB EMIRATESVoice of UAE Abu DhabiUAE Radio Dubai

6170 2355 VOVAE: EE/AA: EE rlg tlk; ID/closing anmt; into AA @ 0000;
 779595, 11965 (333 12/14 Prath-FL)

9780 1955 VOVAE: AA: AA trad/pop mx; M/W voiceovers; frequent ID's
 (7433 1/3 Evans-TN)

15435 0333 RD: EE: World nx (333 12/18 Brown-IL)

17705 0301 VOVAE: AA: M ID; then M nx to 0321 w/same theme mx at be-
 ginning/end (343 12/27 Matsushita-JAPAN)

17865 1558 RD: AA/EE: MidEast mx; TP and AA/EE ID's; into EE px
 "Through western Eyes" (444 1/2 Cichorek-NJ)

25900 *0213 VOVAE: AA: 18-note IS on stringed instrument; NA; W s/on
 anmts--but signal rapidly deteriorated to fadeout in three
 minutes (fair-useless 12/26 Famularo-JAPAN)

VIETNAMVoice of Vietnam

9840 1415 VOV: JJ: Tlk w/ments Japan; @ 1430 into VV pop-style mx
 (333 12/15 Miller-CA) @ 1332 in EE w/rundown of most impor-
 tant events/most popular songs of 1988 (333 12/31 Cichorek)

12020 2332 VOV: EE: Nx; cnty; ID (222 12/14 Cole-CO) @ 1800 w/ID; tlk
 abt accident prevention in workplace (322 12/20 Zirkelbach)

YEMEN ARAB REPUBLICRadio San'a

5950 2035 RS: AA: Trad AA mx; @ 2052 orch. mx w/M/W voiceovers; killed
 by WYFR @ *2100; no ID hrd but //9779 (SIO 322 w/VOVAE-
 9780 JRM); first log of 5950 (333 12/31 Evans-TN)

9780 1650 RS: AA: Slow, spacious acapella mx; mumbled ID @ 1700; then
 clear "Huna San'a" and nx to 1705; then exotic pop mx (432
 1/6 Janusz-NJ)

YEMEN, PEOPLE'S DEMOCHATIC REPUBLICDemocratic Yemen Coast Service

5970 1403 DYBS: AA: M solo AA mx to 1430; M ID (333 12-16 Matsushita-
 JAPAN)

CLANDESTINE

9270 1450 R. October Storm: CC: "Internationale" M ID and tlk; 1510*
 (333 12/11 Kuroda-JAPAN) (Xmsn presumed to originate in
 USSR. Transmissions are quite irregular, so not reported
 very often. A very nice logging!-ed)

UNIDENTIFIED

9720 1608 EE: Continuous foxtrots w/brief and badly-modulated anmts;
 @ 1632 "You are listening to...", followed by more foxtrots
 (232 1/6 Janusz-NJ) (Ed, I'd guess it's either BSKSA or
 SLBC, who could both be here at this time in EE. SLBC's
 anmts are often badly modulated, but from the details I
 can't say for sure if it was them or not-ed.)

There's rather more room left than I thought there would be, so
 I'll throw in a couple of DX tips I heard just this morning (1/14) on the
 BRT's "Radio World" px (both furnished by Eugene Gebeurs in Antwerp, Bel-
 gium): CHINA--the RFI relay via China at 1400-1500, beamed to India, has
 moved to 7125 kHz from 7130 kHz, to avoid Iran/Iraq JRM; JORDAN--R. Jordan
 is now using 11955 kHz for EE in the period 0630-1450, moving down to 9560
 kHz thereafter. (No, they didn't mention if RJ is still on 9560 kHz before
 0630 UTC.)

Thanks to all of you for your many contributions this month. I
 again had to cut most of the frequencies listed last time; without that,
 I would have filled at least another page, which would have given our
 Esteemed Publisher a few headaches and/or nightmares. Now that the column
 is finished, I can move on to answering the notes and letters which came
 with the loggings.

Barring any unforeseen circumstances, I should be attending the
 Winter SWL Fest at the end of February--see last month's "DX Montage" for
 further details. It's sounding as if there will be a good-sized contingent
 of SPEEDXers there, so I'm hoping to meet as many of you as possible. If
 you have any ideas on how the column could be improved, feel free to bring
 them up. (I don't bite; honest!) Until next month, in print or in person,
 enjoy yourselves!

73-Bill

QSL REPORT



Ray Forsgren 4856 Inlet Drive Chippewa Falls, WI 54729

AFRICA

- BURKINA FASO RTV Burkina: 4815 f/d form ltr w/ sked in 66 ds for a FF rpt & tape, & \$1. (Cichorek-NJ). f/d ltr in 67 ds for a FF rpt, 2 ircs & a SAE. (Culp-DC). f/d ltr in 268 ds for a Tri rpt, tape & ms. (Blight-MD).
- LIBYA R Jamaheriya: 15235 f/d form ltr w/ sked in 93 ds for 2 ircs. (Cichorek-NJ). f/d ltr in 93 ds for 2 ircs. V/S Mohammed Sweidan. (Culp-DC).
- MALI R Beijing Relay: 11715 f/d cd w/ site in 32 ds. (Gerstner-NY).
- MOROCCO RTV Marocaine: 17595 & 17815 f/d Map cd in 30 ds for ms. V/S Tanane Mohammed Jamal. (Ryan-NY). VoA Relay: 6040 f/d cd in 7 ds. (Culp-DC). R Mediterranean Int: 9575 f/d cd w/ sticker & sked in 32 ds for a FF rpt & 2 ircs. (Culp-DC).
- SENEGAL ORTS: 4890 f/d Map cd w/ stickers in 35 ds for a FF rpt & ms. (Ryan-NY).
- SOUTH AFRICA Radio RSA: 9580 f/d Rhino cd w/ sked in 21 ds. (Brown-IL).

ASIA

- CHINA R Beijing: 9770 f/d Peihei Park cd in 14 ds. (Brown-IL). 11715 f/d Tai Ho Hall cd in 21 ds. (Brown-IL). Voice of Jinling: 4875 f/d pfc w/ cards & sked in 29 ds for an EE/CC rpt. (Kusalik-AB).
- HONG KONG RTVHK: 7290 f/d Harbour cd in 25 ds for 2 ircs. (Kusalik-AB).
- INDIA AIR: 11620 f/d Fort Agra cd in 29 ds. (Gerstner-NY). f/d Water Skiing cd in 89 ds (Barber-IL).
- INDONESIA RRI Sibolga: 5256 f/d form ltr in 60 ds for an IN rpt & \$1. V/S B.A. Tanjung. (Kusalik-AB). RRI Jakarta: 11865 p/d cds in 50 ds for 2 ircs. V/S Drs. R Baskara. (Eckert-PA).
- ISRAEL KOL Israel: 9435 f/d Logo cd in 31 ds. (Bishop-NY). f/d cd & forms in 39 ds. (Bishop-NY).
- JAPAN NHK Kumamoto: 6130 f/d pfc w/ ltr & goodies in 14 ds after f-up V/S Sadaharu Okada. (Kusalik-AB).
- OMAN R Oman: 11730 f/d Date Tree folder cd in 72 ds for \$1. V/S Rashid Haroon. (Culp-DC).
- PAKISTAN R Pakistan: 5090 p/d Islamabad cd w/ ltr in 26 ds (D'Angelo-PA). 17660 p/d cd w/ ltr in 96 ds (Barber-IL).
- PHILIPPINES VoA Relay: 11760 f/d cd in 32 ds. (Brown-IL).
- SOUTH KOREA R Korea: 15575 f/d Cyclist cd in 27 ds. (Bishop-NY). f/d Torch cd in 32 ds. (Bishop-NY). f/d Stadium cd in 36 ds. (Bishop-NY). f/d cd in 38 ds. (Gerstner-NY). f/d cd w/ goodies in 1 mo (Witte-CA).
- SRI LANKA DW Relay: 17875 f/d Map cd in 55 ds for \$1. (Kline-CA).
- TAIWAN VoFC: 9955 f/d National Day cd w/ goodies in 44 ds. (Gerstner-NY).
- TURKEY VoT: 9445 f/d cd in 30 ds. (Card-RI).
- U.A.A.E. Voice of UAE: 11965 p/d folder cd in 38 ds. V/S Ahmed A Shouly. (Wright-MB).
- VIETNAM Vov: 15010 f/d paper cd in 62 ds. (Barber-IL).

EUROPE

- ALBANIA R Tirana: 7065 p/d Museum cd w/ sked & pin in 49 ds. (George-NC). p/d cd in 125 ds. (Blight-MD).
- AUSTRIA RAI: 9875 f/d Klagenfurt cd in 35 ds. (Bishop-NY). f/d Carinthia cd in 64 ds. (Ryan-NY). f/d Tyrol cd in 66 ds. (Bishop-NY). f/d Vorarlberg cd in 85 ds. (Bishop-NY).

BELGIUM/ BRT: 9925 & 17560 f/d Building cds in 46 ds. (Gerstner-NY).
BULGARIA/ R Sofia: 7115 f/d cd in 335 ds (Blight-MD). R Moscow Relay:
 7115 f/d cd in 39 ds. (Wright-MB).
CZECHOSLOVAKIA/ R Prague: 7345 f/d Chateau cd in 36 ds. (Wright-MB).
DENMARK/ R Denmark: 15165 f/d Painting cd w/ info in 37 ds for an irc.
 (Ryan-NY).
GERMAN FED. REP./ Sudwestfunk: 7265 p/d Globe cd w/ stickers in 115 ds
 V/S Dr Krank. (Weber-OH).
GREECE/ VoG: 9420 f/d Delphi cd in 28 ds. (Gerstner-NY). f/d Apollo &
 Marsyas cd w/ stamp in 1 mo. (Stuart-OK).
HUNGARY/ R Budapest: 9835 f/d cd w/ pennant & sked in 40 ds. (Robinson-
 TN). Kossuth Radio, Pgm 1: 6025 f/d Church cd w/ goodies in 7 mo
 (Kusalik-AB).
ICELAND/ ISBS: 17558 f/d Thingvellir cd in 15 ds for \$1 & a tri rpt.
 (Blight-MD).
ITALY/ RAI: 9575 f/d Renato Guttuso cd in 70 ds for 2 ircs. (Cichorek-
 NJ).
MALTA/ IBRA Radio: 7110 f/d CN Tower cd w/ stickers in 23 ds for ms.
 (Gerstner-NY). Voice of Mediterranean: 9765 f/d Dock cd w/ Map &
 info in 74 ds for 2 ircs. (Weber-OH).
NORWAY/ RNI: 15310 f/d Skiing cd w/ sticker in 30 ds. (Gerstner-NY).
 21700 f/d cd w/ sticker & sked in 38 ds. (Fischer-WI).
SPAIN/ REE: 9630 f/d cd in 56 ds. (Bishop-NY). f/d Corrida de Toros cd
 in 73 ds. (Bishop-NY). f/d cd in 111 ds. (Bishop-NY). f/d Queen
 Isabel cd in 119 ds. (Brown-IL). 11880 f/d cd in 76 ds. (Bishop-NY).
 f/d cd in 98 ds. (Bishop-NY).
SWEDEN/ RSI: 11705 f/d Logo cd in 8 ds (Brown-IL).
SWITZERLAND/ RCBS: 13685 f/d cd w/ sticker & info in 1 mo (Matsushita-
 JAPAN).
VATICAN CITY/ R Vaticana: 11740 f/d x'mitting centre cd in 62 ds. (IL-
 Barber).

U.S.S.R.

R Moscow: 9875-Komsomolsk15260-Bakuf/d cds in 51 ds. (Wright-MB). 7310-
 Ivano Frankovsk; 9890 & 15460-Simferopol; 11960-Orsha; 15135-
 Vinnitsa; 15260-Baku; 17860-Chita; 17880-Irkutsk f/d cds in 52 to
 63 ds. (Weber-OH). 9890-Simferopol; 12030-Vinnitsa; 17605 & 17720-
 Petropavloskf/d cds in 33 to 71 ds. (Culp-DC). 9830-Armavir; 11670-
 Ivano Frankovsk; 11850-Ryazan; 11860-Gorky; 17570 & 17850-Khabar
 ovsk; 17675 & 17880-Irkutsk f/d cds in 54 ds. (D'Angelo-PA).
 R Riga: 5935 f/d City Panorama cd in 67 ds for 2 ircs. (George-MA).
 R Vilnius: 11790 f/d folder cd w/ pennant in 129 ds. (Culp-DC).

NORTH AMERICA

CANADA/ CFRX: 6070 f/d Airplane cd in 129 ds. (Fischer-WI). f/d cd in 133
 ds after f-up for \$1. (Culp-DC). CKZN: 6160 f/d folder cd in 17 ds
 for \$1- which was returned. V/S Rich Knowles. (Evans-TN). Calgary
 Olympics B'Cast: 14250 n/d Olympics award cd in 10 mo for an EE/FF
 rpt & \$3. (Witte-CA). R Japan Relay: 5960 n/d Kyoto cd in 31 ds.
 (Bishop-NY). n/d Kitakyushu cd in 34 ds. (Bishop-NY). n/d Haniwa Clay
 figures cd in 38 ds. (Bishop-NY).
COSTA RICA/ RFPI: 13660 f/d logo cd w/ ltr in 40 ds for an irc. (NY-
 Gerstner).
CUBA/ R Moscow Relay: 11710 f/d cd in 71 ds. (Culp-DC).
GUATEMALA/ R Cultural: 3300 p/d Quetzal cd in 244 ds after f-up for 2
 ircs. V/S Wayne Berger. (Wright-MB). R Tezulutlan: 3370 p/d Pro
 cession cd in 98 ds after f-up for a SS rpt & \$1. (Coday-CA). f/d
 cd in 45 ds for a SS rpt, Tape & ms. (George-MA). f/d cd w/ltr in
 89 ds for a SS rpt & \$1. V/S Carlos Arnoldo Wilhelm. (D'Angelo-PA).
 ...only the first cd was for 3370- the others should be for 4835;
 sorry!! R Chortis: 3380 p/d form ltr in 62 ds for a SS rpt & ms.
 V/S Juan Maria Boxus. (D'Angelo-PA).
MEXICO/ R Universidad: 6045 f/d pfc w/ ltr, pennants & mucho goodies
 in 32 ds for a SS rpt & \$1. V/S Manuel Carrillo Grageda. (Kusalik-
 AB). R Universidad de Sonora: f/d pfc w/ cd in 95 ds for a SS rpt
 & ms. (Kusalik-AB).
MONTERRAT/ DW Relay: 9565 f/d R Antilles cd w/ goodies in 57 ds for \$1.
 V/S R Tessarczik. (Culp-DC).

USA KGEI: 9615 f/d S.F.cd w/ sked & info in 36 ds for a SS rpt. (IL-Meinhardt). KUSW: 9815 f/d cd w/ goodies in 1 mo. (Stuart-OK). R Marti: 9590 f/d Bust cd w/ sked in 15 ds. (Culp-DC). WHRI: 9765 f/d Map cd w/ sked in 344 ds for a SASE. (Bishop-NY). 9770 f/d cd in 300 ds for ms. (Card-RI). WMLK: 9465 f/d ltr in 30 ds for a tape & \$1. V/S Jacob O. Meyer. (Blight-MD).

OCEANIA

AUSTRALIA R Australia: 9580 f/d Lyrebirds cd w/ pennant, sticker & sked in 12 ds for 2 ircs. (Culp-DC). f/d cd in 22 ds for ms. (Card-RI). MARIANAS ISLANDS KTRW: 11805 f/d Bridge cd in 31 ds for \$1. (Blight-MD). PAPUA NEW GUINEA R West New Britain: 3235 f/d ltr in 8 mo for 2 ircs. V/S Simon Muraga. (Witte-CA). R Western: 3305 f/d NBC Map cd in 60 ds for \$1. V/S Timothy Dickson. (Kusalik-AB).

SOUTH AMERICA

BOLIVIA R Santa Cruz: 6135 f/d pfc in 28 ds for a SS rpt & \$1. (PA-D'Angelo). BRAZIL RadioBras: 11745 f/d Poz do Iguacu cd in 142 ds. (Bishop-NY). COLOMBIA R Guatapuri: 4815 f/d pfc w/ per ltr in 207 ds for a SS rpt & ms. V/S Gustavo Cuello Diaz. (D'Angelo-PA). ECUADOR HCJB: 11960 f/d Quito cd in 38 ds w/ goodies for a SS rpt. (IL-Meinhardt). 15160 f/d cd w/ goodies in 34 ds for a SS rpt. (IL-Meinhardt). f/d cd & goodies in 35 ds for a SS rpt. (Meinhardt-IL). 17890 f/d cd & form in 45 ds. (Bishop-NY). f/d cd in 58 ds. (Bishop-NY). R Nacional: 17790 f/d cd w/ pennant in 21 ds for a SS rpt & ms. V/S Gonzalo Portugal R. (Ryan-NY). FRENCH GUIANA RFI Relay: 11995 f/d x'mitter site cd w/ sked in 38 ds (Wright-MB). R Beijing Relay: 11965 f/d cd w/ site in 22 ds. (IL-Barber). PERU R Atlantida: 4790 p/d per ltr w/ cd in 460 ds after f-up for a SS rpt & \$1. V/S Julio Reategui Trigoso. (Coday-CA). R Union: 6115 p/d Cuzco cd in 82 ds for a SS rpt & ms. V/S Gonzalo Iwasaki Sanchez. (Ryan-NY). R del Pacifico: 9950 f/d ltr w/ decal in 20 ds for a SS rpt. V/S J. Petronio Allauca. (Robinson-TN).

UTILITIES

ARGENTINA LOL: 5000 p/d folder cd in 101 ds for a SS rpt. V/S Ernesto Emilio Faccini. (George-NC). AUSTRALIA VIX: 12908 f/d 2 page ltr in 108 ds for an irc. V/S N.R. Torrens. (Gerstner-NY). BAHRAIN A9M: 12709 f/d cd in 13 ds for an irc. (O'Connor-NH). CANADA CHU: 3300 n/d cd in 99 ds for an irc & a SAE. (Culp-DC). ECUADOR Guayaquial Aeradio: 6649 f/d pfc in 42 ds for an irc. (O'Connor-NH). GREAT BRITAIN Speedbird London: 5535 f/d pfc & f/d ltr in 41 ds for ms. V/S D.N. Mesh. (George-MA). GFT: 13382 f/d pfc w/ ltr in 556 ds for an SASE. (O'Connor-NH). TAIWAN BSF: 15000 f/d Sun Yat-Sen Hall cd in 24 ds for \$1- which was returned. (George-NC). AIRCRAFT Balair 661: 5550 f/d pfc w/ photo & sticker in 32 ds for an irc. (O'Connor-NH). N149US: 8864 f/d pfc in 8 ds for ms. (O'Connor-NH). SHIPS A8NN: 500 f/d pfc in 88 ds for an irc. (O'Connor-NH). NICC: 2670 f/d pfc w/ ltr & photo in 6 ds for ms. (O'Connor-NH). NHQB: 2716 f/d ltr in 2 wks for SASE. (Gordon-CT). NMAP: 2716 f/d postcard in 3 wks for SASE. (Gordon-CT). NBXO: 2716 f/d ltr in 5 wks for SASE. (Gordon-CT). CG57: 2716 f/d ltr in 5 mo for SASE. (Gordon-CT). NCDD: 4066.1 f/d ltr in 4 wks for SASE. (Gordon-CT). NXAY: 4066.1 f/d ltr w/ stickers in 5 wks for SASE. (Gordon-CT). NTSG: 4066.1 f/d ltr w/ photos, a painting, pamphlet & book in 1 mo for SASE. (Gordon-CT). NPFS: 4066.1 f/d ltr w/ photo & pamphlet in 2 mo for SASE. (CT-Gordon). NNRJ: 4066.1 f/d ltr w/ postcard & book in 2 mo for SASE. (Gordon-CT). NRMD: 4066.1 f/d ltr w/ sticker & pamphlet in 13 mo after f-up for a SASE. (Gordon-CT).

More ships to come...

NHKX: 4066.1 f/d ltr in 2 yrs after 4 f-ups for a SASE. (Gordon-CT).
CZDO: 6218.6 f/d pfc in 50 ds for ms. (O'Connor-NH). WHAC: 6261
f/d pfc in 24 ds for ms. (Gerstner-NY). WPKD: 8294.2 f/d pfc w/
photo in 128 ds for ms. (O'Connor-NH). NVIN: 14441.5 f/d ltr w/
photos & pamphlet in 3 wks for SASE. (Gordon-CT). NOKM: 14441.5
f/d ltr w/ photo, stickers & pamphlet in 6 wks for a SASE. (Gordon-
CT). GCCB: 16463.1 f/d pfc w/ Christmas cd in 30 ds for an irc-
which was returned. (O'Connor-NH). GJGE: 16463.1 f/d pfc w/ ltr in
78 ds for ms- which were returned. (O'Connor-NH). A8AM: 16463.1
f/d pfc in 193 ds for ms. (O'Connor-NH). KRDP: 16587.1 f/d pfc in
58 ds for ms. (Gerstner-NY). KIYP: 22124 f/d pfc in 11 ds for ms.
(Gerstner-NY). WAFa: 22124 f/d pfc in 29 ds for ms. (Gerstner-NY).

CLANDESTINES & PIRATES

GRAN BRITAIN Weekend Music Radio: 15045 f/d ltr w/ cds in 28 ds
for \$1. V/S Jack Russell. (Kusalik-AB).
R Flag of Freedom of Iran: 9035 n/d ltr w/ sked & info booklet in 1 yr
for \$1. V/S Dr. Manouchohr Ganji. (Kusalik-AB).
La Voz del CID: 9940 f/d Logo cd in 61 ds for a SS rpt & ms. (D'Angelo-PA).

To start my ramblings off, I'd like to apologize to Kaz Matsuda of Radio
Japans' DX Corner: he dropped me a really nice letter some months back
concerning Radio Japan and pennants, and its' taken this long to get the
info out to you; so Kaz, please forgive me!! He wanted to let us know
that the Radio Japan pennant in question was from the program Crosscurr
ents which was celebrating an anniversary. He talked around NHK to find
out further info and found out that due to costs, Radio Japan won't be
issuing pennants (cost is also the same reason for the n/d cards!).
Thanks for the input!!

Tiare Publications sent me some literature concerning 2 books that will
be of interest to Ute QSL hounds: The Utility QSL Address Guide Volumes
I & II, by Daryll Symington & John Henault. Volume I covers the Americas,
and Volume II covers the rest of the World. For more information drop a
line to: Tiare Publications
P.O. Box 493
Lake Geneva, WI.
53147

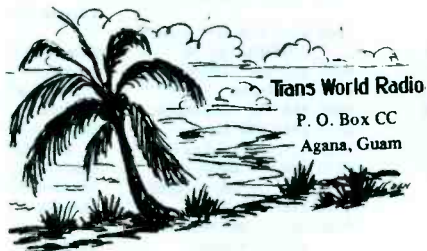
While on the subject of QSL info books, Business Man. Bob Thunberg (how's
it going Bob!) forwarded some info that serious Indo QSL's might be
interested in. It's called KONTAK PENDENGER. It gives the correct address
as well as the QSL signer, where known, of 78 Indo stations- ranging
from RRI's to Utes. This is an excellent publication for Indo QSL hounds.
The cost is \$3 US & Canada, \$4 elsewhere, from:

Steve Reinstein
10291 Cypress Court
Pembroke Pines, FL
33026

I hope that the Winter is treating you well; here it has been unusually
warm- and to top it all off, we've had hardly any snow!! Guess I shouldn't
complain 'cause it's been awfully easy on the woodpile!

73 & best of DX,

Ray



KTWR

Utility Scene

Editor: Paul Lannuier, N2HIE

25 Mac Arthur Avenue, Closter, New Jersey 07624

Fixed Coastal and Naval Stations

kHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
2850.0	CW	South Africa	ZSC	Capetown Radio	0330	DE marker	George-MA
4001.0	CW	Scotland	GXH	NAVCOMMSTA Thurso	0600	USN/Wx bdcast	Mitchell-MD
4231.0	CW	Qatar	A7D	Doha Radio	1642	CQ marker	Conway-UK
4232.5	CW	Hong Kong	VPS8	Hong Kong Radio	1640	V marker	Conway-UK
4238.0	CW	India	VTP4	Vishakhapatnam Naval	2033	Indian Navy	Conway-UK
4242.5	CW	South Africa	ZSD43	Durban Radio	2230	CQ marker	Conway-UK
4244.0	CW	USSR	URL	Sevastopol Radio	1601	Cig 4LA	Conway-UK
4245.0	CW	Australia	VIS53	Sydney Radio, NSW	1601	V marker	Conway-UK
4251.0	CW	Brazil	PPJ	Juncao Radio	2336	V marker	Conway-UK
4253.5	CW	Saudi Arabia	HZG	Dammam Radio	2232		Conway-UK
4286.0	CW	Algeria	7TA2	Algiers Radio	2051	CQ marker	Conway-UK
4283.0	CW	China	XSV	Tianjin Radio	2035	CQ marker	Conway-UK
4298.0	CW	Brazil	PPO	Olinda Radio	2239	V marker	Conway-UK
4305.0	CW	Japan	JNA	Tokyo Radio	2130	CQ marker	Conway-UK
4308.0	CW	South Korea	HLG	Seoul Radio	2239	CQ marker	Conway-UK
4317.0	CW	South Africa	ZSC33	Capetown Radio	1949	Cig CQ	Conway-UK
4319.0	CW	China	XSG	Shanghai Radio	1951	CQ marker	Conway-UK
4334.0	CW	Reunion	FUX	St. Denis Naval	2112	French Navy	Conway-UK
4349.0	CW	USSR	UXN	Arkhangelsk Radio	2227	DE marker	Conway-UK
6340.5	CW	Singapore	9VG9	Singapore Radio	1449	CQ marker	Berri-CA
6369.0	CW	Angola	D3E41	Luanda Radio	0119	CQ marker	George-MA
6371.5	CW	Gibraltar	GYSU	Gibraltar Naval	2215	Royal Navy/DE marker	George-MA
6383.0	CW	Senegal	6VA	Dakar Radio	2155	CQ and wx in FF at 2200	George-MA
6411.0	RTTY	USSR	UKA	Vladivostok Radio	1455	Wkg MANSK	Berri-CA
6504.0	CW	Singapore	9VG77	Singapore Radio	1525	ID marker	Berri-CA
6505.0	CW	Italy	IDR3	Rome Radio	1527	V marker	Berri-CA
8439.0	RTTY	Netherlands	PBC38	Goeree Is. Naval	1957	850/75N: Dutch Navy/Foxes and RYRYR	Berri-CA
8571.5	CW	Singapore	9VG43	Singapore Radio	1747	V marker	Kuroda-JP
8698.0	CW	Malaysia	9MG2	Penang Radio	1804	CQ marker	Berri-CA
12700.0	CW	Fiji	3DP3	Suva Radio	0350	CQ marker	Berri-CA
12709.0	CW	Bahrain	A9M	Manama Radio	0447	DE marker	O'Connor-NH
12728.0	CW	Argentina	L2C	Buenos Aires Naval	0340	Wx broadcast in SS	Berri-CA
12780.0	CW	Angola	D3E61	Luanda Radio	0331	CQ marker	Berri-CA
12800.0	CW	Thailand	HSA3	Bangkok Radio	1234	CQ marker	George-MA
12980.0	RTTY	USSR	UPB	Providenia Bukhta Radio	0315	170/50N: Mag to unid station	Berri-CA
13012.0	CW	Pakistan	AQP	Karachi Naval	1220	Pakistani Navy/CQ marker	George-MA
13046.0	CW	Surinam	PZN4	Paramaribo Radio	0018	CQ DE QSX marker	Berri-CA
13075.5	CW	Chile	CBV	Valparaiso Radiomaratima	0009	ID marker	Berri-CA
19013.5	RTTY	Belgium	OST	Ostend Radio	1630	ARQ: Tfc list	Blair-CA
20682.0	RTTY	Brazil	PWZ	Rio de Janeiro Radio	1840	850/75R: Tfc to NBA Balboa, Panama	Blair-CA
22346.5	CW	Argentina	LSA7	Boca Radio	2054	Wx, ID and tfc list/SS	Berri-CA

Other Fixed Stations, including RTTY and Aeronautical

kHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
3229.5	RTTY	USA	KAWN	Carswell AFB, TX	1112	800/75N: USAF/Meteo	Blair-CA
5050.0	CW	USSR	UYA	unknown	0100	Info, anyone?	Janusz-NJ
5643.0	USB	Australia	VLS	Sydney	1044	ICAO SP-6 area/Wkg QANTAS 25	O'Connor-NH
5643.0	USB	Fiji Islands	3DN	Nandi	1047	ICAO SP-6/SP-7 areas/Wkg	O'Connor-NH
6805.2	RTTY	Poland	SOG280	Warsaw	0045	850/50R: PAP nx in EE	Lannuier-NJ
6873.1	LSB	USA	----	Greenville, NC	0607	VOA feeder	Janusz-NJ
6905.4	RTTY	USA	KAWN	Carswell AFB, TX	0500	850/75N: USAF/Meteo	Lannuier-NJ
7625.4	RTTY	Saudi Arabia	HZN47	Jeddah	0106	850/100N: Meteo	Lannuier-NJ
7645.0	RTTY	USA	RGE36	Moscow	1516	425/50R: TASS nx in EE	Blair-CA
7760.3	RTTY	USSR	RGH77	Arkhangelsk	0053	850/50N: Meteo	Lannuier-NJ
7845.2	RTTY	Poland	SOH284	Warsaw	0028	850/50R: PAP nx in EE	Lannuier-NJ
7980.2	RTTY	East Germany	Y3L	Berlin	2018	850/100R: Meteo	Lannuier-NJ
7994.3	RTTY	USA	----	Numerous	0330	Packet: USN/MARS net/Many NNN0... stations w/msgs	Lannuier-NJ

8030.0	RTTY	USSR	RRQ27	Alma Ata	1553	425/50N: TASS nx in EE	Kuroda-JP
8062.0	RTTY	Italy	IRF80	Rome	1501	425/50R: ANSA nx	Kuroda-JP
8135.0	RTTY	Vietnam	XVM2	Hanoi	1559	500/50R: RYRYRY DE XVM2	Blair-CA
8864.0	USB	Iceland	----	Reykjavik	1558	ICAO NAT-B area/Wkg CLIPPER 39	O'Connor-NH
8902.0	RTTY	Taiwan	----	Taipei	1450	425/50N: CNA nx in EE	Kuroda-JP
8997.0	USB	Antarctica	NBY	Byrd Surface Camp	0300	Wkg unid station w/wx	Lannuier-NJ
9210.0	RTTY	Cuba	CLN251	Havana	1130	170/50R: RYRYRY/Testing	Kuroda-JP
9242.3	LSB	England	AJE	Croughton E.C.C. (Barford)	1130	AFRTS feeder	Conway-UK
10000.0	CW	Argentina	LOL	Buenos Aires	2339	Time signals w/CW ID	O'Connor-NH
10000.0	AM	China	BPM	Xian	2229	Time signals w/CW and voice IDs	O'Connor-NH
10588.0	USB	USA	----	Denver, CO	2235	FEMA net/Wkg WGY907 Kansas City, MO & others	Lannuier-NJ
11176.0	USB	Alaska	AKA5	Elmendorf AFB, AK	0237	USAF GCCS w/'Skyking' bdcst	Battles-NH
11246.0	USB	USA	NKT	Cherry Point USMC AS, NC	1443	USMC/Wkg McDiId AFB, FL	Battles-NH
11423.5	RTTY	Poland	SOL242B	Warsaw	1846	FEC. PAP nx in Polish	Berri-CA
13200.0	RTTY	Easter Island	CAI7E	Hanga Roa	0120	800/50N: AFTN/Tfc is SS	Blair-CA
13270.0	USB	USA	WSY70	New York, NY	2238	Volmet broadcast	Kuroda-JP
13540.0	RTTY	Argentina	LR081	Buenos Aires	0115	850/50N: TELAM nx in SS	Berri-CA
13779.0	RTTY	China	BCA95	Shanghai	1134	425/50N: RYRYRY	Kuroda-JP
14441.5	USB	Panama	NNN0MBA	USMC Detachment	1305	MARS operation from Panama mountaintop	Gordon-CT
14989.0	RTTY	Congo	TNL77	Brazzaville	1717	425/50R: AFTN/RYRYRY	Blair-CA
14995.3	RTTY	USA	AAA6USA	Ft. Sam Houston, TX	1426	ARQ: US Army MARS w/tfc	Blair-CA
17400.0	RTTY	China	BBE52	Shanghai	2319	425/50N: "QRA DE BBES2 ZHC? RYRYRY..."	Kuroda-JP
17413.5	CW	USA	KKN39	Washington, DC	1800	US State Department	O'Connor-NH
17434.8	RTTY	East Germany	Y2V37	Berlin	1704	425/50N: ADN nx in EE	Blair-CA
17456.0	RTTY	East Germany	Y7A38	Berlin	1704	425/50N: RYRYRY and ID	Blair-CA
18215.0	RTTY	USA	WFG93	Greenville, NC	1739	425/75N: USIA nx in EE	Blair-CA
18355.0	RTTY	Malaysia	9MY63	Kuala Lumpur	1450	850/50R: RYRYRY	Kuroda-JP
18755.8	RTTY	China	CNIP	Beijing	0032	ARQ: INTERPOL t/c	Blair-CA
18785.0	RTTY	France	FYS78	Paris	1800	350/50N: DIPL0 nx in FF	Blair-CA
19238.0	RTTY	Cuba	Y7L38	Havana	1527	425/100N: GDR Embassy w/GM t/c	Blair-CA
19324.5	RTTY	USA	KAWN	Carswell AFB, TX	0001	850/75N: USAF/Meteo	Blair-CA
19455.4	RTTY	Cuba	CLP1	Havana	1839	425/50N: PRENSAMINREX nx in SSB	Blair-CA
20198.3	LSB	Cuba	Gitmo	Guantanamo Bay	1443	Shuttle support frequency/Wkg unid st. (Info, anyone?)	Battles-NH
20936.0	USB	Spain	NNN0NRO	NS Rota	1807	USN MARS/Wkg NNN0STN	Gordon-CT

Aeronautical Mobile Stations

kHz	MODE	NAME	CALL	UTC	REMARKS	CONTRIBUTOR
5643.0	USB	MALAY 10	----	1051	ICAO SP-7 area/Wkg Honolulu	O'Connor-NH
5643.0	USB	NAVY JB227	----	1048	ICAO SP-7 area/Wkg Honolulu	O'Connor-NH
6693.0	USB	CANFORCE 8232	----	1653	RCAF/Wkg Halifax w/SAR info	Battles-NH
6714.0	USB	KING 88	----	0014	USAF SAR aircraft	Battles-NH
8846.0	USB	GERMAN NAVY 6118	----	2100	ICAO W-CAR area/Wkg New York, NY	Battles-NH
8864.0	USB	PIEDMONT 1161	----	1534	ICAO NAT-B area/Wkg Gander	O'Connor-NH
11180.0	LSB	SAM 24127	----	1516	USAF/Wkg ANDY (Andrews AFB, MD)	Battles-NH
11192.0	USB	ASCOT 4980	----	1711	RAF transport aircraft	Battles-NH
11414.0	USB	ARIA 1	----	2200	Shuttle support aircraft	Battles-NH
13247.0	USB	SPAR 64	----	1651	Wkg Andrews AFB, MD	Battles-NH
13248.0	USB	GERMAN AIR FORCE 157	----	1443	GFR AF/Wkg DHM91 Wunsdorf	Battles-NH
13291.0	USB	EGYPTIAN AIR FORCE 1125	----	1548	ICAO NAT-B area/Wkg New York	O'Connor-NH
17992.0	USB	GERMAN AIR FORCE 157	----	1940	GFR AF/Flight ops. and ETA	Battles-NH

Maritime Mobile Stations

kHz	MODE	NAME	CALL	UTC	REMARKS	CONTRIBUTOR
2182.0	USB	USCGC HAMILTON	----	0118	USCG/Wkg NMF w/radio check	Battles-NH
2670.0	USB	USCGC POINT TURNER	NICC	0433	Wkg USCG Woods Hole, MA	O'Connor-NH
2716.0	USB	HMCS HURON	----	1005	Wkg Esquimaux Control	Gordon-CT
2716.0	USB	HMCS OJIBWA	----	2340	Canadian Patrol Sub/Wkg QHM Halifax	Gordon-CT
2716.0	USB	USS AYLWIN	NPHC	2230	Cig Newport Port Control	Gordon-CT
2716.0	USB	USS BROWN	NHTM	1005	Cig Norfolk Tug Control	Gordon-CT
2716.0	USB	USS ENGLAND	NLXZ	1105	Wkg Long Beach Control 2	Gordon-CT
2716.0	USB	USS FLETCHER	NJCN	0300	Wkg San Diego Control 1	Gordon-CT
2716.0	USB	USS LA MOURE COUNTY	NRKX	1030	Cig Little Creek Harbor Control	Gordon-CT
2716.0	USB	USS MC CLOY	NZBI	2330	Wkg NEDO (USS AUSTIN)	Gordon-CT
2716.0	USB	USS MISSISSIPPI	NGGD	2100	Cig Tug Control	Gordon-CT

2716.0	USB	USS PONCE	NSBJ	1100	Cig Norfolk Tug Control	Gordon-CT
2716.0	USB	USS SEATTLE	NABN	0945	Cig Norfolk Tug Control	Gordon-CT
2716.0	USB	USS SEATTLE	NABN	2355	Wkg Norfolk Tug Control	Gordon-CT
2716.0	USB	USS SHENANDOAH	NBIO	2350	Cig Norfolk Tug Control	Gordon-CT
2716.0	USB	USS SIMPSON	NRWS	1100	Wkg Newport Port Control	Gordon-CT
2716.0	USB	USS TUSCALOOSA	NBMZ	0135	Cig San Diego Control 1	Gordon-CT
2716.0	USB	USS WABASH	NNIK	0110	Wkg Long Beach Control 2	Gordon-CT
2716.0	USB	USS WHIDBEY ISLAND	NNWI	1130	Cig Moorehead City Port Control	Gordon-CT
4066.1	USB	USS AMERICA	NUSA	0230	Patch to ICSB Puerto Rico via NAVCAMSLANT ICSB	Gordon-CT
4066.1	USB	USS CARL VINSON	NCVV	0300	Used tactical call 'GOLD EAGLE'/Cig San Diego	Gordon-CT
4066.1	USB	USS LAKE CHAMPLAIN	----	0340	Wkg San Diego CSS1	Gordon-CT
4066.1	USB	USS LYNDE MC CORMICK	NHXD	0140	Wkg San Diego CSS1	Gordon-CT
4066.1	USB	USS RANGER	NHKG	0225	Wkg San Diego CSS1	Gordon-CT
4066.1	USB	USS ROARK	NOUR	0330	Cig San Diego CSS1	Gordon-CT
12493.3	RTTY	M/V SAVA	YTA5	2340	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12495.0	RTTY	SPRING DESIRE	6YFA8	1756	ARQ: Wkg HPP Panama w/telex t/c	Gerstner-NY
12498.5	RTTY	EXXON WASHINGTON	KIYN	1858	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12498.5	RTTY	GOLDEN ENDEAVOR	WDBU	1852	ARQ: Wkg WLO Mobile, AL w/ AMVER report	Gerstner-NY
12498.5	RTTY	M/V RICHARD MATTHIESEN	WLBV	2113	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12498.5	RTTY	M/V SEA GODDESS I	LMXP	2324	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12498.5	RTTY	MAJORIE LYKES	KAXP	2149	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12498.5	RTTY	MERCANDIAN SUN II	ORTZ	2244	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12498.5	RTTY	SEALAND EXPEDITION	WPGJ	1443	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12498.5	RTTY	SUN VIKING	LITZ3	2341	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12501.5	RTTY	USNS SEALIFT				
		INDIAN OCEAN	NGKY	1814	ARQ: Wkg WCC Chatham, MA w/telex t/c	Gerstner-NY
12503.5	RTTY	M/V OMI SACRAMENTO	WXHS	0038	ARQ: Wkg WLO Mobile, AL w/telex t/c	Gerstner-NY
12504.5	RTTY	CS CABLE VENTURE	VS BX	1305	ARQ: Wkg NMN/Wng for cable laying operation	Gerstner-NY
12510.0	RTTY	M/V KENTUCKY	H9GK	1734	ARQ: Wkg WCC Chatham, MA w/telex t/c	Gerstner-NY
12519.5	RTTY	TUNDRA SKIER	LAIC2	1715	ARQ: Telex t/c	Gerstner-NY
13826.0	USB	USNS SIRIUS	NNNOCXR	2100	Wkg NNNOPPE	Gordon-CT
13826.0	USB	USS SPHINX	NNNOCMM	1220	Wkg NNNOPRQ	Gordon-CT
14441.5	USB	MONOB I	NNNONZP	2100	USN Mobile Listening Barge/Cig stateside MARS	Gordon-CT
14441.5	USB	USNS SATURN	NNNOCMY	1730	Wkg NNNONCG	Gordon-CT
14441.5	USB	USS BUNKER HILL	NNNOCBH	1830	Wkg NNNOXEN	Gordon-CT
14441.5	USB	USS DONALD B. BEARY	NNNONXB	0015	Cig any stateside MARS station	Gordon-CT
14441.5	USB	USS FANNING	NNNOCWV	0100	Wkg NNNOCWY (USS CARL VINSON)	Gordon-CT
14441.5	USB	USS GALLERY	NNNOCZP	2355	Wkg NNNOTSD	Gordon-CT
14441.5	USB	USS JOSEPHUS DANIELS	NNNONZC	1400	Cig any stateside MARS station	Gordon-CT
14441.5	USB	USS KISKA	NNNOCPL	1250	Cig any stateside MARS station	Gordon-CT
14441.5	USB	USS KISKA	NNNOCPL	1830	Wkg NNNOCUP (USS NIMITZ)	Gordon-CT
14441.5	USB	USS LUCE	NNNOCXF	0015	Wkg NNNONIG	Gordon-CT
14441.5	USB	USS MOBILE	NNNOCYR	0015	Wkg NNNONUW	Gordon-CT
14441.5	USB	USS SANTA BARBARA	NNNOCVD	1300	Wkg NNNOLWR	Gordon-CT
14441.5	USB	USS SELLERS	NNNONXZ	2320	Cig any stateside MARS station	Gordon-CT
14441.5	USB	USS UNDERWOOD	NNNOC AK	0010	Radio check w/NAYH USS HARLAN COUNTY	Gordon-CT
14441.5	USB	USS VOGE	NNNOCVQ	0045	Cig any stateside MARS station	Gordon-CT
14467.0	USB	USS VULCAN	NNNONOT	0010	NNNONOT - MARS call for Com Fleet Electronic Warfare Support Group, not USS VULCAN	Gordon-CT
14470.0	USB	USS NITRO	NNNOCUT	0125	Wkg NNNOPRQ	Gordon-CT
14477.0	USB	USS ANTIETAM	NNNOCAL	1305	Wkg NNNOLWR	Gordon-CT
16463.1	USB	ARTUS	9YDP	1721	Wkg Portishead Radio GKT62	O' Connor-NH
16463.1	USB	ESSO CARIBBEAN	ZCAC6	1920	Wkg Portishead Radio GKT62	O' Connor-NH
16512.7	USB	HMS JUPITER (F66)	----	1736	Wkg Portishead Radio GKU68	O' Connor-NH
16587.1	USB	EXXON BALTIMORE	WHMK	2132	Wkg KHT w/phone patch	Gerstner-NY
16587.1	USB	OVERSEAS ALASKA	WEHV	1435	ARQ: Wkg KHT w/phone patch	Gerstner-NY
16587.1	USB	OVERSEAS CHICAGO	KBCF	1441	Wkg KHT w/phone patch	Gerstner-NY
16587.1	USB	OVERSEAS JUNEAU	WWND	2225	Wkg KHT w/phone patch	Gerstner-NY
16587.1	USB	OVERSEAS OHIO	WJBJ	2128	Wkg KHT w/phone patch	Gerstner-NY
16670.5	RTTY	M/V STARSHIP ATLANTIC	ELA J4	1808	ARQ: Wkg WCC Chatham, MA w/telex t/c	Gerstner-NY
16694.0	RTTY	CUNARD COUNTESS	GUNP	1505	ARQ: Wkg Portishead Radio w/telex t/c	Gerstner-NY
16694.0	RTTY	QUEEN ELIZABETH II		1529	ARQ: Wkg Portishead Radio Call: GBTT	Gerstner-NY
16760.0	CW	QUIXADA	PPHT	2150	AMVER/Wkg NMN Portsmouth, VA	Jones-TX
16778.0	CW	KAPETAN ANTONIS	P3YER	2230	Wkg NMN Portsmouth, VA	Jones-TX
16787.0	CW	MED CEMENT CARRIER	SKXL	2230	Wkg WSC Tuckerton R., NJ	Jones-TX
16793.0	CW	BEAU FORTUNE	ELAL4	2130	Wkg PPL Belem R., Brazil	Jones-TX
22124.0	USB	EXXON CHARLESTON	WBVY	2029	Wkg KHT w/phone patch	Gerstner-NY

JANUARY 1989 saw plenty of good DX opportunities on all frequencies high and low. Welcome back, sunspots! Hope you can stay awhile.

THE BOMBING AND CRASH OF PAN AM FLIGHT 103 created some activity on the HF bands. Andy Gordon monitored Edinburgh Rescue in Scotland working rescue helicopters. Reports of many casualties on the ground and severe fire at the crash sight were heard. Frequencies used included 3939.0 and 5680.0 kHz.

AS MENTIONED IN LAST MONTHS "DX MONTAGE", Symington and Henault's Utility QSL Address Guide, Volumes One & Two, are now being published by Tiera Publications (Lake Geneva, WI). These books are excellent sources and have the official SPEEDX Utility Seal of Approval. Radio InfoSystems, the former publisher, will continue to offer other radio-related publications, including their Scanner Frequency Guides. Their address is PO Box 399, Holland, OH 43528.

HELP WANTED: ID of station UVA needed. This one has been logged by Peter Conway, Ed Janusz, and yours truly on various frequencies, including 4231.5, 5050.0, 8455.0 & 12830.0 kHz, all CW.

KAWN, CARSWELL AFB, TX is being regularly reported here and elsewhere. Art Blair (CA) wonders if KAWN is the actual callsign of the station besides being it's ICAO identifier. My sources show the call to be AFF33, although USAF bases seldom seem to use callsigns during transmissions except for MARS operations.

CW GOING QRT? So some people think. In November, the International Maritime Organization (IMO) announced that the traditional use of Morse code is to be replaced with a new high-tech system which will automatically send distress signals via satellite. The Global Maritime Distress and Safety System (GMDSS) will be implemented in 1993, and its use will be compulsory under IMO regulations. It is wonderful that safety and rescue operations will have another more reliable mode of communications. But will it really spell the end for CW communications? I think not. Since all current sea vessels already possess CW capability, it is unthinkable that the mode will simply be abandoned. Besides, everything that I have heard about the GMDSS system indicates that it will be mainly used for emergency and distress communications. Normal inter-ship and ship-to-shore traffic that occurs every day on CW can not be replaced entirely by the new system. Past developments in digital communications, notably RTTY and SITOP, have not brought about CW's demise. The bottom line is, when conditions are less than ideal for voice and teletype, CW is the most reliable HF mode.

Tradition is also a reason that CW will endure. CW has been around practically as long as radio itself, dating back to the 1890's and Marconi's ground breaking experiments with wireless communications. US radio amateurs are presently split over the issue of no-code license, and the strongest argument against such a license is that it breaks a century long tradition in ham radio. This tradition also exists in the maritime radio service, and too will contribute to a sound future for CW. (Thanks to Geoff Halligey for a clipping from the Daily Telegraph, 11 November 1988.)

SOFTWARE NOTE: I have changed software to Appleworks GS, which allows me to integrate database, word processor, spreadsheet and graphic documents into will initially result in a large mess. The major problem I've encountered is fitting all the information for a given logging on one line, which is why you'll notice those items with longer "Remarks" entries have been carried over to a second line. I have a wide range of fonts available, but prefer to stick to the simple (and readable) New York 9-point font for the loggings, and Helvetica 12-point for the text. Appleworks GS also includes a communications module, and I've found this to work great with my Kantronics KAM.

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73 til March de *Paul*

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