
SPEEDX

The Society to Preserve the Engrossing Enjoyment of DXing



Lenin



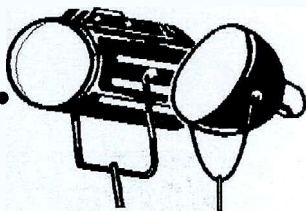
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MARCH, 1991

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Spotlight on...



edited by: John Trautschold

354 N. Winston Drive

Palatine, IL 60067-4132 U.S.A.

(with the help of the Altair 8800 & Atari 1040ST computers.....)

TOTAL CONTRIBUTIONS FOR MARCH 1991: 57

5	ABBINANTE, PHIL	IL	2	LEADER, PATRICK	IR	D2935
3	ASHMORE, TSUNAAKI	JP	1	LEMKE, RICHARD	AB	IC-R71A
6	BABIN, ROBERT	MA	5	LEVISON, HAROLD	PA	D2999
2	BAGOZZI, STEVE	CA	3	LUKAS, HANK	NY	ICF2010
2	BARBER, C.L.	IL	10	MAIER, WALTER	NY	
2	BARBERA, GABRIEL	AR	6	MILLARD, THOMAS	TX	R5000
5	BISHOP, FORREST	NY	1	MILLER, ROBERT	NJ	
1	BREWER, DON	KS	4	NEFF, GEORGE	FL	RF2600
3	BROWN III, EDWARD	IL	1	PARK, DALE	HI	R5000
4	CARSON, JOHN	OK	20	PIECH, TIMOTHY	IL	
5	CICHOREK, EDWARD	NJ	3	PRAETH, JOHN	FL	NRD525
1	COLYARD, ROBERT	NJ	10	RADELLA, ALLAN	PA	FRG8800
4	D'ANGELO, RICHARD	PA	1	REESE, ORLA	DE	R5000
2	FAMULARO, RALPH	JP	4	ROBINSON, BETSY	TN	ICF2010
5	FINDLATER, JOHN	CA	3	ROCKER, RAYMOND	FL	
1	FISHER, JOHN	MA	3	SAMPSON, DANIEL	WI	FRG8800
5	FRASER, BOB	MA	1	SCHULSINGER, MICHAEL	OH	R5000
3	FUJIMA, YASUO	CA	2	SCOTT, VAL	CA	IC-R71A
5	GAHARAN, CHARLES	LA	1	STINE, MICHAEL	MD	
31	GEORGE, STEVE	MA	5	THOMPSON, PEGGY	CA	FRG7
4	HART, GERALD	MN	2	THORNTON, DON	NJ	NRD525
10	HOEFELICH, MICHAEL	NY	4	TRESCHER, FRED	PA	ICF2010
1	HUFFAKER, CARL	MX	1	WAKEFIELD, PAUL	IA	ICF2010
6	JOHNSON, TIM	IL	1	WEBER, DONALD	OH	R2000
4	JOHNSTON, BRUCE	NY	3	WESTENHAVER, WILLIAM	PQ	ICF2010
6	KARCHESKI, WALTER	MA	1	WILLERS, STEVEN	SW	NRD525
1	KLINE, JAMES	CA	4	WOERING, HAROLD	MA	R2000
1	KNAPP, JEFFREY	OH	4	WOLFSON, MIKE	OH	R5000
5	LANGLOIS, HAROLD	FL				

TAKING CARE OF BUSINESS

Ok...first of all, here are the missing columns for the month of March...missing contributors names that is! USSR / AFRICA / ASIA / QSL / UTILITIES.

And the columns we missed last month which are included this time are: CONTINUOUS TUNING / WESTERN HEMISPHERE.

NEW FULL MEMBERS FOR MARCH

Oh boy...we have a bunch this time!

STEVE BAGOZZI.....CA
MICHAEL HOEFELICH.....NY
TIMOTHY DIECH.....IL
ROBERT DACEO.....NJ
R.C. WATTS.....KY

Thanks for all the contributions gang!

AND LET'S NOT FORGET OUR NEW AND RETURNING CONTRIBUTORS!

ROBERT BABIN.....MA
LOYD ROUDE.....WV
CHARLES WASHBURN.....ME

Thank you all for supporting SPEEDX. Hope to continue to see your names in these pages in the future!

Don't know if you noticed or not, but the printing this month should be a bit "cleaner" to read! Why? Well, SPOTLIGHTS and DXM are now being printed on an Atari SLM605 laser printer! We're still using the same DTP software, PageStream, but instead of the slow 9-pin dot-matrix output, we're now using a fast 8 page-per-minute, 300 DPI laser printer! Hope it improves readability! See you next month!

John T.



DX MONTAGE

LETTERS AND QUIPS FROM 'ROUND THE WORLD!

PIRATE STATION NEWS

Our illustrious business manager, Mr. Bob Thunberg, has been keeping me posted with FCC information on domestic pirate broadcasters. Thought you all might be interested in some of these stations and what's become of them. Here goes!

SAN RAFAEL, CA -- An unlicensed pirate broadcast station operating on 7435 kHz was shut down by the FCC's San Francisco office. The station was being operated by Stephen P. McGreevy (N6NKS), who was fined \$1,000 for unlicensed operations. The station was being identified as "The Muddy Sound of KMUD."

DONNA, TX -- George P. Hopp, Jr. was fined \$1,000 for operating an unlicensed pirate broadcast station on 7435 kHz (ed. note: hmmm...popular frequency!) This station was terminated by the FCC's Kingsville Office.

ROWLETT, TX -- The FCC's Dallas Office located and shut down a pirate broadcasting station operating on 7410 kHz. The station was identifying itself as "Midnight Radio." Michael Shawn Zurbrick was fined \$1,600 for operating the unlicensed transmitter as well as his failure to allow an inspection of his station.

NEW YORK, NY -- The FCC, in separate actions, suspended the licenses of radio operators Frederick K. Stark, holder of a General Radiotelephone Operator License, and Joseph A. Della Barba, holder of a Restricted Radiotelephone Operator Permit. Investigations showed they were operating unlicensed broadcast facilities. Each operator had been previously fined \$1,000.

The Stark investigation was initiated after complaints from the New York State Broadcasters Association alleged interference to a licensed facility. Stark, using the call sign "WNYS" operated an unlicensed station on 1000 kHz in the AM band. Della Barba's broadcasts, using the call sign "WTNU", were made on the shortwave frequencies of 25,000 kHz allocated for standard frequency and time signals and 15,043 kHz, assigned for aviation use.

SPRINGFIELD, IL -- (AP) From Barry Rader - OH

"Mbanna Kantako sees himself on the front lines of a guerrilla war against the white establishment.

"The blind, black man, who has rejected his "slave name" of Dwayne Readus, has made 373 consecutive broadcasts of his Zoom Black Magic Liberation Radio from his apartment in a public housing project.

"Kantako's 0.4-watt FM station began in November 1986 as an occasional electronic newsletter sponsored by the Tenant Rights Association at John Hay Homes. It has evolved into a daily, aggressive critic of what Kantako considers police harassment and white society's goal to eliminate blacks.

"Spicing the airwaves are speeches by Nation of Islam leader Louis Farrakhan, rap and reggae music, interviews with Communist Labor Party officials and denunciations of the Rev. Jesse Jackson as an opportunist.

"Kantako's radio station reaches more than 1,000 people in the project and sometimes more nearby.

"Federal officials say they've tried to shut down the station, not because of its political messages, but because of its transmitting signal.

"Under federal regulations, the FM radio band is limited to use by licensed broadcasters transmitting with at least 10 watts of power. For commercial stations, the minimum is 100 watts. Exceptions are extremely low power operations - smaller than Kantako's - that generally can be heard no farther than 25 yards.

"In April of 1989, the FCC fined Kantako \$750 for his unlicensed activity and referred the case to the U.S. attorney's office in Springfield.

"Kantako, who lives off disability checks and food stamps with his wife and three children, said he doesn't plan to pay the fine.

"Federal officials say the case isn't closed. 'As soon as we think he is able to pay, we will expect him to pay,' said James Lewis, an assistant U.S. attorney."

TV MARTI ... OOPS!

Submitted by Harold Langlois - FL (who else!)
From *Citrus County Chronicle*, January 18, 1991

"A runaway blimp carrying the TV Marti antenna plummeted into a remote section of the park, knocking the station off the air and leaving the future of broadcasts to Cuba in doubt.

"The tethered white Air Force blimp, of the type nicknamed 'Fat Albert,' broke free Wednes-



day as it was being lowered for maintenance from its station 10,000 feet above its Cudjoe Key base in the lower Florida Keys, across the Straits of Florida from Cuba.

"The tether broke with the blimp at about 3,000 feet, and 'it just went its own merry way,' said Antonio Nacarro, director of the Office of Cuba Broadcasting in Washington. 'I called my wife in Miami and told her to look for the balloon.'

"It drifted north toward Miami, then winds pushed it west across Florida Bay. Air Force planes located it aloft, and a helicopter crew used remote-control radios to instruct the blimp to deflate.

"After a 70-mile excursion, the limp blimp dropped into the park about two miles from the Gulf of Mexico and 20 miles from the Flamingo ranger station near the tip of the Florida peninsula, said park spokeswoman Pat Tolle."

SHORTWAVE IN THE RADIO NEWSROOM

The *Chicago Tribune* recently published an article on the use of shortwave radio receivers in the broadcast newsroom to keep up to date on the happenings in the Persian Gulf. In this particular article, they talked about the station I work at, WBBM-AM, which is an all news radio station. (Actually, I work for TV on the first floor...radio is upstairs!)

Chris Berry, who is news and program director of the station, has been a shortwave listener for many years. He's now using it to help update his staff on the Iraq war. "We've been able to get a lot of good, substantial information from shortwave that is often not available elsewhere." Berry says his station often rebroadcasts news items monitored from the BBC World Service.

"On the third night of the war there was a report from a BBC reporter on a British ship that had had a close encounter with a mine. He described how the U.S. Navy came in and disarmed the mine. That was a report that we had not gotten anywhere else."

Amateur radio has also come in handy in the WBBM newsroom. WBBM-AM afternoon drive co-anchor Dick Helton is a 30-year amateur radio veteran who has spoken directly with one of the world's most famous hams: Jordan's King Hussein.

"I've talked with him on a number of occasions, but he seems to be absent from ham radio right now," Helton said. "And I'm sure there's a good reason for that." Helton has noted that he hasn't had any luck reaching hams in Iraq or Kuwait since the way began. "People would be placing themselves in considerable jeopardy by broadcasting from those areas now."

IF ANALOG RADIO ISN'T GOOD ENOUGH ANYMORE, THEN HOW ABOUT DIGITAL?

Washington, D.C. (AP) - The staff of the Federal Trade Commission want frequency allocations for digital radio sold, perhaps by auction, instead of being determined by government regulators. The Federal Communications Commission has no legal authority to auction spectrum assignments.

The FTC, in a 37-page brief, argued for a "pure market approach" on the grounds it would lead to fewer administrative abuses and more benefits for consumers.

Most of the frequencies that might be used for digital audio broadcasts are currently allocated for government use while others are currently being used by UHF TV stations and other commercial broadcasters.

The sound quality of a digital radio broadcast is far superior to current AM and FM stations and equals that coming from compact disks. Digital broadcasts also use less spectrum, thereby permitting a greater number of stations within an allocated space.

It's not yet been determined whether ground or satellite based transmitters would be used. The National Association of Broadcasters is pushing for ground based delivery.

This could be interesting! As I've discussed in previous *DXM's* television HDTV broadcasts may soon go digital...soon meaning by the end of the decade! Before you know it, we'll all be living in a purely digital world. Standard broadcast, as we know it today, will soon be gone.

At least in television, most new gear is already digital, with the capability of sending it's signals by a purely digital means (even though in most cases, the digital signal is converted to analog and vice versa right as it leaves/enters the machine.) Stay tuned!

AND SPEAKING OF DIGITAL...MORE COMPUTER NEWS FROM COMPUSERVE

Submitted by Gerald Hart, MN

From *CompuServe Magazine*, December 1990

"For thousands of shortwave hobbyists, Tuesday evenings mean tuning in to 'Sweden Calling DXers,' the world's longest continuously running radio program for those who monitor international broadcasts. Since 1948, Radio Sweden has presented this round-up of news, features and interviews not only on topics of interest to shortwave listeners but on other aspects of international radio and TV communications as well.

"Now, Radio Sweden's George Wood has taken this popular program and electronically made it available in Library 3, Shortwave Listening, of the HamNet (GO HAMNET) Forum on CompuServe.

"The success of the publication is due in large part, to the contributions of its readers. Says Wood: 'These should be news about electronic media - from shortwave to satellites - and not loggings of information already available from sources such as the "World Radio TV Handbook".'

"Indicative of the hobby's sharing nature, Wood encourages clubs and other DX publications to reprint and pass on material as long as acknowledgement to SCDX and the original contributor is given. The one exception, notes Wood, is 'BBC Monitoring Times,' which explicitly copyrights and restricts distribution of its contents.

"Electronic media news should be sent to Wood via the forum or CompuServe Mail addressed to his User ID 70247,3516."

By the way, if you get on to CompuServe, make sure to say "hi" to your *DXM* editor. My mail address is 73250,572. You can also reach me on BIX as "jtrautschold" or on GENIE as "J.TRAUTSCHOL". Happy telecomputing!

TIARE PUBLICATIONS

Gerry Dexter recently sent me the latest updates to his *Tiare Publications* catalog.

The Pirate Radio Directory has now been released for 1991. The author is renowned pirate enthusiast George Zeller. According to Zeller, some 165 pirate stations were monitored on shortwave during 1990. Hope Radio was the most active, with some 54 individual broadcasts noted. About eleven pirate stations were traced and closed down by the FCC (*ed. note: see beginning of column for more information!*) That's less than 7% of the total number which were active.

The directory contains a detailed introduction to pirate radio and then takes the reader on a station-by-station tour, discussing format, frequencies, times heard, phone numbers, addresses and other information.

The 8 1/2x11" paperback lists for \$8.95 plus \$2.00 shipping/handling.

Great Radio Reads, Catalog #5, was also received recently at *DXM* headquarters. The catalog "is filled with a wide variety of books and other items to help you get more out of your radio hobby - whether you're an SWL, ham operator, scanner fan or CB nut."

Some of the new books featured in this edition include *Coast Guard Radio*, *The Warship Directory* and the *Radio Communications Software Directory*. As usual, not only are there pages of listings of the products available, but a mini-review is presented as well. There are a total of 16 pages of books and other items, plus their mini-reviews, available.

The catalog costs \$1.00 and seems well worth it. The title of the catalog kinda says it all!

For more information on either of these products, or to order, phone (414)248-4845 or write:

TIARE PUBLICATIONS

P.O. Box 493

Lake Geneva, WI 53147

A REQUEST FROM ROBERT HALL

I specialize in utility DXing, particularly, RTTY, FAX and the more exotic SITOR and ARQ modes. I believe that I have the only Universal M-7000 multi-mode decoder in the republic of South Africa and would very much like to contact others abroad with similar equipment. Please write to me at 6 Paddock Lane, Tokai 7945, Cape Town, Republic of South Africa. Thanks.

AND A REQUEST FROM - CHARLES YARBROUGH, JR.

Charles is currently writing a feature article for *Fine Tuning's Proceedings 1991* and needs your help especially if you are a teacher! Charles would like to find out approximately how many teachers use shortwave in their classes. This would include all education levels from primary through college...even any special workshops you might be familiar with. I'll present more details next month, but for now, if you can help, contact Charles at Box 2519 Wingate College, Wingate, NC 28174.

That's it for March! Made it through another winter! Yea! See ya all in April.

John

FOR SALE: Low mileage stock NRD-525 receiver and matching NVA-88 speaker. Less than 3 years old, never been on a DX-pedition, used mainly by a little old lady to listen to "Words of Faith" on Sunday's. \$885 + shipping. Greg Fischer, 1518 Madison Street, LaCrosse, WI 54601 (608) 782-7300 ext. 2323.

1991 SOVIET RADIO TOUR

ASSOCIATION FOR INTERNATIONAL CULTURAL EXCHANGE PROGRAMS
10 Canvin • Suite 33 • Kirkland • Quebec • Canada • H9H 4S4

News for the Amateur Radio Operator

November, 1990

3rd Annual LENINGRAD HAMVENTION Announced

For one exciting week next August, radio enthusiasts from around the world will meet in Leningrad at the USSR's largest international radio festival, the 1991 Leningrad Hamvention.

Schedule Packed with Ham Activities

Organized by Inter-Radio Leningrad, the Hamvention will provide a busy schedule for the amateur radio operator. Included will be seminars, guest lectures, conferences and practical sessions.

Of course, there will also be a special event amateur station (4L1FS) broadcasting during the event, with its own unique QSL card.

International Broadcasters to Attend

For the first time, the Leningrad Hamvention will offer special sessions for international SW listeners (SWLs). Ian McFarland, award-winning host of Radio Canada International's "The SWL Digest", will deliver the keynote seminar. Known as the Voice of Canada throughout the world, McFarland will also coordinate the event's International Broadcasters Forum. This forum will allow Hamvention attendees to ask the panel of on-air personalities questions pertaining to shortwave broadcasting. 6

Two Tours Offered


AICEP is offering two tours to meet the needs of amateur radio operators.

The **Budget-Saver Program** is an 8-day tour which includes participation in the Leningrad Hamvention and a visit to Moscow, where you will meet with local hams and tour the Radio Moscow facilities.


The 12-day **Comprehensive Tour** includes all of the above, plus additional radio and cultural activities in Leningrad, and a **bonus** visit to Prague, Czechoslovakia where you will meet with radio enthusiasts and on-air personalities.

Supported by ANARC

Both tours are organized in cooperation with the Association of North American Radio Clubs (ANARC). The seventeen member clubs of ANARC have been working together to promote the interests of radio organizations and listeners throughout North America since 1964.

ANARC spokesman Sheldon Harvey reports, "these Soviet tours provide amateur radio operators the unique opportunity to meet their overseas counterparts and learn more about how the amateur radio movement has changed in the USSR. It is always exciting to meet the people behind the broadcasts. We are proud to be associated with Inter-Radio Leningrad in the promotion of their Hamvention." 

Family and Guests Welcome


As you attend the Leningrad Hamvention and participate in other amateur radio activities, your family members or guests will enjoy spectacular sightseeing excursions in and around Moscow, Leningrad and Prague. Make your tour a family holiday! 

One All-Inclusive Price

Both tours are organized on a non-profit, all-inclusive basis. Included are international airfare, local transportation, all meals and lodging, Hamvention registration fees, sightseeing and cultural programs, guides and interpreters, and travel visas.

Budget-Saver Tour	July 29 to August 5	\$2595.00 (US funds)*
Comprehensive Tour	July 29 to August 9	\$2995.00 (US funds)*

Enrollment is limited. To insure your participation, complete and return the Advance Registration Form today.

*Based on double room occupancy; single room supplements may be available. Prices based on airfares, tariffs and ground costs as of 10/15/90 and are subject to change without notice. 

CONTINUOUS TUNING

Edward Janusz
Box 149
Bricktown, NJ 08723

EMMETT
SE2:



WELL... IT'S BEEN REAL!

Radio Netherlands: English Summer Schedule

00:30 F6020, B6165, B15560 Eastern North America
03:30 B6165, B9590 Western North America
07:30 B9630, B9715 New Zealand
08:30 B9770 New Zealand (no Sundays; 25 minutes)
08:30 M17575, M21485 Southeast Asia
10:30 B6020, B11890 Australia/Caribbean
11:30 M17575, M21480, F21520 Southeast Asia
11:30 F5955, F9715 Europe
14:30 F5955, F13770, M15150, M17575, F17605 Southwest Asia/Europe
16:30 M6020, M15570 East and Southern Africa
18:30 M6020, M15570, B17605, B21685 Central and Southern Africa
20:30 M7285, M9860, F9895, F11660, F13700 West Africa
All transmissions 55 minutes except as noted above (but you knew that). This schedule goes into effect 31 March.

Programme notes: MONDAY: The Research File. TUESDAY: Images. WEDNESDAY: CDutch (classical music) is back, replacing Studies in Jazz, which I hope everyone enjoyed as much as I did. THURSDAY: Media Network. FRIDAY: The Rembrandt Express (NAM/Pac; otherwise Airtime Africa or Asiascan). SUNDAY: The Happy Station. The release from RN was rather short on programme details this time around, so there isn't much to say, except...

SATURDAY: *Over to You* has vanished without a trace. Through March, we'll be treated to a 9-part series called *Great Balls of Fire*, a musical history of the Fifties hosted by Pete Myers ("...the decade that unleashed the incredible energy of young people and saw the creation of youth culture. How did it happen? Why? You'll find out..." [and not a moment too soon! -ej]). Starting on 6 April, they have something called *Sound's Interesting*, which sounds suspiciously like *Over to You* under a different name.

Radio Beijing: English Programmes

00:00 M9770, M11715 North America
03:00 E9690, M9770, M11715 Eastern North America; 9770, 11715 W. North America
04:00 F11695 Eastern North America; 11695 Western North America
05:00 C11840 Western North America
09:00 11755, 15440, 17710 South Pacific (2 hrs)
12:00 9665 Eastern North America; 11600, 15450 South Pacific; 9670, 11660 Southeast Asia (2 hrs)
13:00 11600 South Pacific
14:00 7405 Western North America (2 hrs); 11815, 15165 South Asia (2 hrs)
16:00 9570, M15110, 15130 East and South Africa
17:00 7405, 9570, 11575 East and South Africa
19:00 6955 (sic), 9440 West and North Africa
20:00 9440 West and North Africa; 9920, 11500 Europe (2 hours); M11715, M15110 East and South Africa (90 min)
21:00 S3985 Europe (30 min)
22:00 7170 Europe

All transmissions 1 hour except where noted. Relay sites are C=Canada, E=Spain, F=France, M=Mali, S=Switzerland. (Radio Beijing Messenger, thanks Rich D'Angelo)

The Voice of Turkey: English Programmes

SUNDAY: Details; The Women of Turkey. MONDAY: Another Spot in Turkey; The Administrative Structure of Turkey. TUESDAY: Ataturk in Documents and Memoirs; Turkish Album. WEDNESDAY: Letter Box; From the World of Turkish Legends. THURSDAY: A Great Ancient Turkish Poet, Yunus Emre (to be succeeded by) What Turkish Carpets Relate; Award-winning Turkish Stories. FRIDAY: Mineral Waters and Thermal Baths in Turkey; The Firsts in Turkey. SATURDAY: Outlook; DX Corner/Economic Panorama. All programmes start with news and a press review section which has become markedly livelier over the last year.

Indonesia: Current Information

2350 RRI Yogyakarta: 21:00-01:00, 09:00-18:00
2390 RRI Cirebon: 22:00-03:00, 09:00-17:00
2419 RRI Bandung: NO LONGER SCHEDULED.
2439 RRI Sarakarta: NOT MENTIONED IN SCHEDULE.
2449 RRI Malang: NO LONGER SCHEDULED.
2473 RRI Purwokerto: 02:00-04:30, 08:00-09:30, 17:00-22:00.
2490 RRI Semarang: NOT MENTIONED IN SCHEDULE.
3204 RRI Bandung: 22:00-02:00, 09:00-17:00.
3215 RRI Manado: 21:00-00:00, 08:00-12:30.
3223 RRI Mataram: 20:30-00:00, 09:00-16:00.
3239 RPKDKDT2 Lumajang: NOW ON MEDIUMWAVE ONLY.
3345 RRI Pontianak: NO LONGER SCHEDULED.
3345 RRI Ternate: 20:30-00:30 (Sundays -23:30), 07:50-14:15.
3447 RRI Pontianak: 22:00-01:15, 10:00-16:15. (1 kW)
3879 RPDT2 Tapanuli Utara: NOW ON MEDIUMWAVE ONLY.
3905 RRI Merauke: 19:00-00:00, 04:00-11:00.
3935 RRI Semarang: 22:00-02:00, 05:00-06:00, 10:00-17:00.
3995 RRI Pontianak: NO LONGER SCHEDULED.
4900 RRI Surakarta: 02:00-10:00, 17:00-22:00.
5046 RRI Yogyakarta: 00:00-04:00, 07:00-09:00, 12:00-21:00.
6135 RRI Samarinda: 02:00-05:15. (What a beautiful name!)
7098 RRI Yogyakarta: NO LONGER SCHEDULED.
7190 RRI Yogyakarta: 04:00-07:00.
9614 RRI Samarinda: 23:00-02:10, 05:00-09:10
Compiled by David Foster for OZ DX, January 1991.

HCJB: English Programmes

DATeline 90

MARCH 4: We ask the youth of Quito what's on their collective minds. A panel of Latins and youth workers serves up answers to questions they face. Plus: Results of a survey of Quiteñan youth. MARCH 18: Steroids--will their promise flower or fragment? APRIL 1: What happened yesterday? A simulated live report of the Easter events of the first century AD. APRIL 8: Is it time to change jobs? APRIL 22: The Mid-life Crisis. APRIL 29: Your letters & comments on recent programmes.

DX PARTYLINE

MARCH 9: Broadcasting in Ghana. MARCH 16: Arthur Cushen; the SPEEDX Report. MARCH 23: EDXC and SPARC. MARCH 30: Broadcasting in Malta (this should be interesting; there's a lot going on there). APRIL 6: Neil Carleton with "Radio Stamps." APRIL 14: Broadcasting in Chad. APRIL 20: Arthur Cushen; the SPEEDX Report. APRIL 27: EDXC and SPARC; Broadcasting in Afghanistan.

MUSICAL MAILBAG

We make every effort to include something new and exciting about the Musical Mailbag, but, alas, we must maintain our integrity. So if you like the same old thing week after week, the Musical Mailbag is the place to be! (I didn't make this up--ej)

HAM RADIO TODAY

For most of March, HRT is running a series about the sun and how it affects propagation. "Antenna Notebook" is another ongoing feature that should interest the non-Ham DXer.

AWR-Europe: New Plans

Adventist World Radio has formally applied to the Italian government to build a new transmitter site east of the town of Argenta in northeast Italy. When completed, the site would have two 250-kW and two 100-kW transmitters, and would take over from the current site in Forlì as well as removing the need to rent time from Radio TransEurope in Sines, Portugal. In August of 1990, the Italian Parliament passed a law requiring all broadcast stations to apply for authorization. In October alone, over 5,000 applications were received! The authorities have a maximum of two years to sift through the applications and grant licenses. In the meantime, AWR has already purchased the land in Argenta, and is awaiting final approval. (Thanks Don Weber)

Didn't I retire? Well, yeah, but we didn't want to leave you with a skimpy bulletin during the DX season. Woody's about done with the realignment, and we've added a couple of new columns, so I think I can safely bow out now. I've got next month's "Public Meeting," and can still fill up the odd page when necessary, but this is my last regular column for **SPEEDX**. From here on in I'm a full-time publisher, something we've needed for a long time. Thanks for all your support--it's been fun!

73's, Eddie



WHAT'S ON



ENGLISH BROADCAST TO NORTH AMERICA

Daniel Sampson 4 Turtle St. Arcadia, WI 54612

CHANGES ENTERED JANUARY 19-FEBRUARY 15, 1991

UTC Time	Station	Notes	Frequencies
0000-0100	R. Moscow, U.S.S.R.	NAM svce	21480; 17700; 17665; 17605; 15425; 12050; 11950; 11860; 11850; 11735; 9720; 9685; 9530
0000-0100	R. Sofia, Bulgaria	---	15330; 11680; 9700
0100-0130	R. Norway Int'l	Su-M	15360
0100-0200	R. Moscow, U.S.S.R.	NAM svce	21480; 17700; 17665; 17605; 15425; 12050; 11950; 11860; 11850; 11735; 9720; 9685; 9530
0100-0700	WWCR, U.S.A.	---	7520 or 7435
0200-0230	R. Norway Int'l	Su-M	15360; 11925
0200-0300	R. Moscow, U.S.S.R.	NAM svce	21480; 17700; 17665; 17605; 15425; 12050; 11950; 11860; 11850; 11735; 9720; 9685; 9530
0300-0400	R. Moscow, U.S.S.R.	NAM svce	21480; 17700; 17665; 17605; 15425; 12050; 11950; 11860; 11850; 11735; 9720; 9685; 9530
0310-0327	Red Cross, Switz.	---	12035; 9885; 9725; 6135 -- Feb 26, Mar 1, Apr 2, Apr 5, Apr 30, May 3, May 28, May 31
0400-0500	R. Moscow, U.S.S.R.	NAM svce	17720; 17700; 17690; 17665; 17605; 15240; 15180; 9505
0400-0500	R. Sofia, Bulgaria	---	11735; 9700; 7115
0500-0600	R. Moscow, U.S.S.R.	NAM svce	17720; 17690; 17665; 15405; 15240; 15180; 15180; 13665; 12050; 9795; 9505
0600-0700	R. Moscow, U.S.S.R.	NAM svce	17720; 17690; 15405; 15240; 15180; 13665; 12050; 12010; 9795; 9505
0700-0800	R. Moscow, U.S.S.R.	NAM svce	17720; 17690; 15405; 15240; 15180; 13665; 12050; 12010; 9795; 9505
1100-1200	BBC, U.K.	---	15220; 5965S
1200-1330	BBC, U.K.	---	15220; 5965S; 9740F
1235-1245	V. of Greece	---	17535; 15650; 15625
1330-1600	BBC, U.K.	---	9740F
1530-1540	V. of Greece	---	17535; 15650; 11645
1615-1745	BBC, U.K.	---	15260S; 9515S
1800-1830	R. Norway Int'l	Sa-Su	17760
2300-2400	R. Moscow, U.S.S.R.	NAM svce	21480; 17700; 17665; 17605; 15425; 12050; 11950; 11860; 11735; 9720; 9685; 9530

RELAYS--An-Antigua, B-Bonaire, Br-Brazil, Bu-Bulgaria, By-Bethany, Cu-Havana, D-Delano, F-Singapore, Gu-French Guiana, Ma-Malta, Mi-Mali, S-Sackville, Sp-Spain, Wy-WYFR

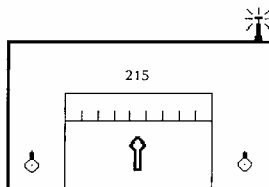
GARY GEAR'S

1944-1991

R. J. P.

P. O. Box 215

Ed Cichorek
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New Brunswick, NJ 08903



Just when you thought it was safe to go to the mailbox...we're back! A belated Happy and Healthy New Year to all. Thanks to everyone who has been keeping P. O. Box 215 full. A full mailbox is a happy mailbox.

Let's see, this time around we heard from Bill Flynn, who got himself a brand new QTH in what sounds like a DXer's dream. Five acres in the wilds of Oregon is not too shabby, Bill. Good luck!

An unusual visitor from the Sunshine State showed up in the box this time. The Fateful Flamingo of Cockroach Bay was a tight squeeze, but we got him out minus a few ruffled feathers. He's turning blue, George. Should I point him South again?

We have a slight emergency in the Corn Belt. An unexplained electrical noise seems to be plaguing brother Tim Johnson. So far, no remedy has been found. Isn't there a lot of UFO activity in that area? By the way, where are you *really* from, Tim?

In a not very scientific but nevertheless sincere curiosity, I pulled out all my 1990 SPEEDX issues (yes, I save them) and did some figuring. For the year 1990, we averaged 51.4 contributors per month. The size of our publication in terms of pages averaged 42.6. On the equipment side, the membership who contributed uses no fewer than 42 different models of receivers. This includes current and out-of-production models, transceivers, and homebrews. The top contenders in the manufacturer department were Kenwood, JRC, and Sony in that order. So there you have it: Statistics for 1990 and the history books. This, strangely enough, brings me to my next topic.

Unless you've been residing in a vacuum tube, you can't help but be aware of all the changes that have taken place in international shortwave radio. Radio Berlin International is a memory, KUSW went off the air on December 15th and KTBN has taken its place, and Radio Canada International is having its close encounter of the worst kind. As the complexion of radio changes and new players arrive upon the scene, we are left with what I call RADIO EPHEMERA. I'm not just talking about QSL cards and letters, but a host of other material that can be very collectable. Schedules, pamphlets, postcards, stickers, and even reception report forms are the only tangible evidence left of their existence. After I listened to the last broadcast from RBI, I rummaged through my mess of literature from that station. Although it's now a memory, I'm glad I saved this stuff. It's all part of the history of radio, and a palpable slice of the hobby that we can enjoy in the future. If you have any doubt about tossing your assorted goodies, think it over before you do.

I hesitate to make a list
Of all the stations I have missed
Bonanzas that were in my grip
I let them through my fingers slip

Your continuing logs, articles, comments, and craziness are appreciated and encouraged. If you are reading this and have never submitted a log before, why not do it now? This is your club--seize the moment!

Hope to see some of you at the 4th annual Winter SWL Fest in March. If you've never been, it's truly a pleasant weekend of radio-related activities. Look for me there. Take care and good listening.



Public Meeting

A Forum for the SPEEDX Staff and Membership

General Editor: Woody Seymour, Jr.
P. O. Box 848, Sanford, NC 27331-0848

Hello! I'd like to take this opportunity to pass along some initial results from the SPEEDX Survey included in the November magazine. Thanks to the 141 members who took the time to fill out and return the survey. We consider this to be an excellent response, and the information provided will help the Board of Directors and the Editorial Committee plan for the future of SPEEDX.

All members who participated in the survey will receive 3 credits toward their Full Membership requirement. Additionally, there was a drawing from those surveys received by December 15, and three SPEEDXers received prizes. Robert Ruckman is to receive a one-year extension on his club membership. Melvin L. Flannagan, Jr. is now the proud owner of the book *Traveler's Guide to World Radio* (1991 Edition) by the WRTVH and Billboard folks, while Cary Garrison won copies of 4 SPEEDX Special Publications--the Latin American, Soviet Radio and Foreign Language Reporting Guides and the Sunset/Sunrise booklet. Congratulations to these members!

The personal information section of the survey provided some surprising results. 50% of the respondents were in the 36-55 age range, while 31% were 21-35 and 18% were over 55. Only one participant was under 21! 8 respondents indicated that they were female, while all the rest admitted to being male. 61% considered their interest in shortwave radio to be split fairly evenly between program listening and DXing, while 25% were mostly DXers and 14% mostly listen to programs. 16% indicated that they were Amateur Radio Operators, while about 45% of the respondents own a personal computer. 50% of those who participated indicated that they had friends and/or family who are interested in SWL/DX.

Surveys were received from members in 33 states, 3 Canadian provinces, Mexico, Switzerland, New Zealand, Japan, Ireland and Italy.

After looking over every single survey, I have come to the conclusion that, if the club tries to please all the respondents, we would have to publish a 100-page magazine twice a month, featuring large type and more graphics--all while maintaining the same membership fees. Needless to say, it would not be possible to meet everyone's needs with the club bulletin. However, there were several recurring suggestions for improvements which we have already begun to implement.

There was an overwhelming sentiment to improve the printing quality of the bulletin, and our Publisher Ed Janusz is already working with the printer to improve this situation. The February issue featured an excellent quality of printing, and we will continue to improve the quality in this area. We hope that the printing improvement will benefit our many older members who have difficulty reading small print. SPEEDX is published in booklet form to provide the maximum amount of information while keeping postage expenses under control. We hope that our older members will let us know if the improvements are making a difference for them.

SPEEDX has used the present continent format for shortwave loggings for its entire twenty years of existence. 72% of the survey respondents would like to see the present format retained, while 12% would like to see loggings listed alphabetically by country, with no breakdown by continent; 9% would like a frequency format (similar to that used by NASWA) and 6% had other ideas (most of which concerned time and location of reporters). Thus, SPEEDX will retain its present loggings format for the foreseeable future.

Next month I will present further information from the survey. Again, my thanks to the many members who took the time to participate in this project. Your response was gratifying!

...Woody Seymour, Jr., Managing Editor

PERSON TO PERSON TO PERSON

Sailors and Marines get home via MARS

by Joe Bartlett

As the Navy's massive commitment to Operation Desert Shield continues, sailors and Marines aboard U. S. warships in the Middle East are going to MARS to reach out and touch someone. For more than 40 years, the Military Affiliate Radio System has provided emergency communications for military, civil, and disaster officials while handling morale and personal emergency message and voice communications traffic. Today it continues that mission by keeping Desert Shielders in touch with their loved ones back home.

A volunteer program, MARS was established in November 1948 for the Army and Air Force. In August 1962, establishment of Navy-Marine Corps MARS brought this service to Marines at sea. In the early years of the Navy's program, operators ashore and aboard 35 Navy ships transmitted routine information and teletype messages for the American Red Cross. By 1976, shore-based operators provided voice communication through radio-telephone "patches" from sailors at sea to loved ones back home. Prior to Operation Desert Shield, this network of volunteers averaged 60,000 phone calls each year.

Along with phone patches--13,850 of which were completed from ships through ashore MARS stations in September 1990 alone--MARS operators provide a message service to sailors and Marines: MARSgrams. While the number of phone patches has increased 300 percent since Operation Desert Shield began, use of the free MARSgram service has skyrocketed by more than 3,500%. MARSgrams transmitted over radio using a shipboard computer and modem helped nearly 9,000 sailors send word home during the first 60 days after the Iraqi invasion of Kuwait.

Aboard the USS *Flint* (AE 32), Electronics Technician 2nd Class Bernie Walls tunes the transmitter of the ship's MARS station in another attempt to help a crew member get in touch with home. *Flint* is one of 416 Navy, Military Sealift Command, National Oceanographic and Atmospheric Administration, and U. S. Army ships equipped with MARS stations. Since the August 2 Iraqi invasion of Kuwait, Walls and his fellow MARS operator, Electronics Warfare Technician 2nd Class John Drew, have helped more than 200 *Flint* crew members contact home while supporting USS *Independence's* (CV 62) carrier battle group.

Walls and Drew volunteered to man the station through the long nights on this deployment--the only time radio signals can reach the United States from the Gulf of Oman. *Flint's* station gets plenty of business in the early hours before dawn. Scores of crew members fill out request forms and wait patiently below on the mess decks until their name is called to see if they can get through.

Storekeeper Seaman Apprentice Rhonda Bolen beamed after talking with her grandmother, Mozelle Robertson, following reports that a tornado had swept through her hometown. "She was just fine," Bolen said. "Hearing her voice at home is a lot better than a letter. Knowing my family's all right takes a lot off my mind."

MARS phone patches are limited to five minutes unless it's an emergency. Responses to Red Cross traffic override all routine calls, enabling sailors to contact family members during a crisis. The operator sits beside the caller to ensure that the signal is clear and that the caller doesn't discuss matters that could involve security. When the call is completed, Walls and Drew wait for their next turn in the rotation to try another patch.

"Red Cross messages are sometimes hard on the operators," said Chief Navy Career Counselor Michael Scott, *Flint's* MARS coordinator. "Normally they inform of a death in the family or a similar tragedy and there are tears involved. It gets to you after a while, but putting the crew in touch with people back home is worth it."

Walls recalled one Red Cross call where a sailor spoke with his mother, whom doctors had given only days to live. "He was begging her not to die until he got home," he said. "She said she would try, but knew that her time was coming. It really tore me up."

"The biggest problem for both people on the ship and those back home is fear of the unknown," said *Flint's* Commanding Officer CDR George L. Skirms III. "There's always that suspicion by stateside families that we're saying 'everything's wonderful' when it's not. MARS has been the key to getting the message across that everything *is* OK."

The key to that communication from Desert Shield ships has been the 88 MARS stations in CONUS: Okinawa, Japan; Guam; Naples, Italy; Sicily; Hawaii; Alaska; and the Philippines. Like the operators aboard ship, these Americans--mostly amateur radio enthusiasts volunteering as MARS operators-- devote countless hours putting patches through for sailors at sea. "They call themselves amateurs, but those people are real professionals," Drew said.

One of these professionals, Lynne Richardson of Middletown, RI, has helped *Flint* place more than 40 calls since the Iraqi invasion of Kuwait. The blind daughter of a 28-year Navy veteran, Richardson spent more than 200 hours between August 2 and September 30, placing nearly 1,500 calls for sailors aboard 45 different ships. Of those 1,500 calls, more than 150 were priority calls for the Red Cross.

"I really enjoy doing this for the guys over there," Richardson said. "Through my father. I know about Navy life and understand what people go through during family separation."

Since Desert Shield began, Richardson has patched two marriage proposals through MARS--both were accepted--and countless birth announcements. "It takes them a long time to say 'goodbye' because they say 'I love you' at least 15 times per call," she said.

Fred Chapman, a Navy veteran of World War II and the Korean conflict, acts as the MARS afloat specialty net coordinator overseeing all Navy MARS operations with ships at sea from his station near Fredericksburg, VA. In this role, Chapman performs the same volunteer work as other MARS operators ashore while spearheading improvements in the system, bartering with the Navy for frequencies, training and licensing MARS operators around the world, and spreading the word about MARS and its mission.

"It's a ministry for me, giving me the chance to do something beneficial for the Navy," Chapman said. "Having been on the other end and knowing the frustration of weeks at sea with no family contact, it's a great feeling when I can get on the radio and get some people's problems solved."

Chapman spends up to 18 hours daily at his station trying to solve those problems, earning him the title "Mr. MARS." Those problems range from Red Cross messages to just saying "hi" to family and loved ones, but MARS doesn't stop there. One of the pioneers of Navy MARS, Chapman keeps adding more services for seagoing stations, including patches from deployed sailors to their detailers and liaison with Navy ombudsman networks.

Chapman said MARS affiliate stations involve an average investment of \$5,000 by the shore station operator and endless hours of diligence trying to link sailors and families under difficult circumstances. "The frustration of not finding any clear channels, going hour after hour--even until three in the morning--operators begin to suffer from extreme burnout," Chapman said. But he said that the ability to communicate anywhere in the world is a great motivator for the MARS team. "Just the personal desire to help out sailors around the world keeps them going." For those ships that have MARS stations, Chapman and his volunteers keep vigilant trying to serve the sailors and the Marines at sea. He said that even with the long hours and the frustration, every call is worth the effort. "All you've got to do is listen to a couple of these phone patches and see how situations are resolved."

Wrapping around the globe to get the word home, Walls, Drew, Richardson, Chapman and hundreds of other volunteers are keeping things going and the news flowing during Desert Shield through MARS.

JO2(SW) Joe Bartlett is assigned to Navy Internal Relations Activity in Washington. This article appeared in the December 1990 issue of ALL HANDS, a monthly publication of the U. S. Navy. Thanks to Mike Hardester for forwarding it along.

HISTORY OF RADIO BUDAPEST

Radio broadcasting in Hungary began on December 1, 1925, but experimental work had been going on previously for quite some time with transmission of music and news bulletins. Hungary was the first country to use the Telephonograph in 1884: It was invented by Tivadar Puskás, who later collaborated with Thomas Alva Edison on improving the telephone. Puskás helped to put the first telephone exchange in the world into operation, in Boston. Tivadar Puskás's brother Ferenc, the representative of the Edison Society in Hungary, set up a similar telephone exchange in Budapest in 1881. After his return from the States, Tivadar Puskás put the Telephonograph into operation; it was used for the transmission of news to subscribers on a local telephone-like line. Music programmes were transmitted from the fourth floor of an apartment house at 22 Rákóczi Street, which later became the first studio of Radio Budapest.

Wireless programmes began in 1923, when the engineers of the Hungarian Experimental Post Institute first began radio telephonic experiments at the MTI—the Hungarian Telegraphic Service—located in the heart of Budapest. In 1924, the experimental institute began the reception of foreign broadcasts with a one-tube regenerative set. Meanwhile, the radio amateur movement had begun to develop, though it was first occupied with getting the relevant specialized literature and reception of foreign stations. The first Hungarian radio amateurs built their receivers at home, basing them on circuit diagrams that appeared in foreign magazines. In 1925, the construction of a PKI 2-kilowatt transmitter began on Csepel Island in Budapest. When Radio Budapest first began to put regular programmes over the air, it had 15,000 subscribers; the majority were radio enthusiasts who had built their own receivers and even made the parts themselves. Later, many of them became specialists within the Hungarian radio industry. In one year's time, the number of subscribers rose to 50,000.

In 1927, a new 3-kilowatt Telefunken transmitter was built at Csepel, and at the same time the daily broadcasts were lengthened from 4 to 10 hours. That same year, the Post Office began building a 20-kilowatt transmitter at Lakihegy, also on Csepel Island; this spot was chosen for its geographical location, favorable for broadcasting all over the country. The Telefunken transmitter was assembled under the direction of a technician from Telefunken by the staff of the Lakihegy Post Office. The new transmitter began operating on April 7, 1928. It was of three stages: A cooling system of 2.5 kW producing the base frequency, a modulator stage, and a final stage, which functioned with a water cooled tube of 20 kW. The antenna was built on two 150-meter steel towers.

The building of another transmitter, which the press of the time described as "The Giant of Lakihegy," began in 1933 with a transmitter of 120 kW, entirely manufactured and constructed by the Hungarian Standard Radio and Electric Company. This new transmitter began operating in December 1933, and was officially named Budapest One. It had seven stages: A modified Heising system modulation with 120-kilowatt tubes, driven into a push-pullthrough system of stages to the final amplifier stage. In its proportions and method, the new Blow-Knox antenna system was far ahead of those found in countries which were richer and more developed than Hungary; and it was the highest steel construction on earth in its time, reaching a height of 314 meters. The 480-ton weight of the tower was supported against the wind by a 9-centimeter-thick porcelain wall insulator. The antenna was very good from the electrical and broadcasting points of view, because its height surpassed half the transmitted wavelengths; this ensured transmission without fading to the entire country, day and night. The 20-kW equipment was modernized and began transmitting the programmes of Radio Budapest Two.

The first experimental broadcasts on shortwave started at Székesfehérvár in the early 1930s. Regular overseas shortwave transmissions started on December 23, 1934, in Hungarian and English with two 5-kW transmitters. The output was later increased to 20 kW. The shortwave transmissions of Radio Budapest have a history of more than fifty years....

Unfortunately, the equipment of Radio Budapest was completely destroyed near the end of World War II. The retreating Nazi troops not only blew up the installations, but in many cases dismantled the equipment, so that be the end of the war, our country was without any radio transmitter whatsoever. The Post Office staff carried out heroic work in reconstruction the transmitters. One part of the equipment had been carried off to the western frontier of

the country; when it was found, Radio Budapest returned to the air, and was first heard again on May 1, 1945. By the end of 1948, the Hungarian Standard Factory had built new 135-kW equipment which has been functioning without interruption ever since. The 314-meter antenna tower was also rebuilt, and Budapest Two was reconstructed at a new location in Szolnok, also with a capacity of 135 kW. In April 1950, a new 100-kW transmitter began experimental broadcasts on shortwave, and the broadcasts soon became regular.

The domestic service of Radio Budapest transmits three programmes. The first, Radio Kossuth, is aired from a new transmitter at Solt, with a 2,000-kW mediumwave output and several regional FM transmitters. The second programme, Radio Petőfi, is aired by ten mediumwave and FM stations. The third, Radio Bartók, is aired only on FM. The FM transmissions are largely in stereo. Radio Kossuth tends to specialize in issues of national interest, round-table discussions, talk features, drama, and music (generally classical) programmes. Radio Petőfi broadcasts "light programmes" 24 hours a day; and Radio Bartók specializes in high-quality stereo classical, jazz, and pop music. Radio Budapest has links with international programmes, participates in the work of the UNESCO radio section, and has regular exchanges with the East and West, based on agreements concluded with these countries.

Radio Budapest transmits its domestic and overseas programmes from 26 modern studios, installed mainly with Hungarian-made equipment. At present, Radio Budapest transmits daily on six shortwave transmitters in six languages—Hungarian, English, German, Italian, Spanish, and Turkish. The foreign-language broadcasts are transmitted from three locations: There are two transmitters at Székesfehérvár with 20 kW each and dipole antennas; two 100-kW transmitters at Diósd, installed in 1983, with omnidirectional and rotatable log-periodic antennas; and two transmitters at Jászberény, with 250 kilowatts of output and directed dipole antennas. The target areas of our broadcasts are Europe and the Americas.

Radio Budapest has excellent relations with its listeners. Radio Budapest was the third station in the world to start broadcasting DX programmes in English. Today, we also have DX programmes in the German, Italian, and Spanish languages. These programmes have helped to establish long-lasting, good relations with national and international DX organizations and clubs over the past 25 years, and have promoted the development of the international DXing movement. On the initiative of our DXers, our international organization, the Radio Budapest Short Wave Club, was set up in 1965. It now has about 12,000 members on all continents, acting as official monitors of Radio Budapest, and maintaining permanent contact with our station.

In 1980, radio license fees were dropped in Hungary. According to estimates, there are more than five and a half million receivers in our country, out of a population of ten million.

This article was adapted slightly from information supplied by Radio Budapest. Thanks to John Carson for forwarding it along.

NOTE: After preparing this article for print, I heard an interview with Len Scott, Radio Budapest's DX host, on RCI's *SWLD*. As of June 30th, there will be some scaling down of Radio Budapest's operations due to the inflationary economy within Hungary and the new government's attempts to roll back its own expenditures. The station will probably lose about half of its staff; and the Spanish, Italian, and Turkish services will be suspended. The DX programme is also in danger of being eliminated; if this or any other of their programmes is of special interest to you, now is the time to write.

A money-saving alternative that the station is considering is that of using fewer frequencies per transmission. Friends and listeners of Radio Budapest may want to consider reporting to the station which frequencies are and aren't working in your part of the world; this would certainly help them make the most out of their available resources. --ej

The Goat-Gland Doctor

and other delights at
Memphis State University

From live reports on the invasion of Europe to the medical advice of the goat-gland doctor, it's still all there for anyone to hear. And the good thing is, anyone can hear it. History in sound, dating back to the 1920's, is available through more than 3,800 radio broadcasts on file at Memphis State University. While the collection is not the largest of its kind, it's certainly one of the most accessible. Unlike most radio archives, it isn't just open to broadcasting students and researchers: any radio fan can drop by to listen to a little Abbott and Costello or a bit of "Inner Sanctum."

"Not only can you hear it--if you bring an audio cassette with you, they'll high-speed duplicate it for you," said Marvin Bensman, founder and chief overseer of the collection.

An associate professor of broadcast history, Bensman began putting the collection together in 1969 while working at the University of Vermont. His students had little access to early radio broadcasts except through such sources as the National Archives in Washington.

"That's sort of ridiculous, to ask a college student to pay his way to Washington to listen to some old radio programs for a course," he said.

From a variety of sources, including former broadcasters or their families, Bensman has put more than 1,200 radio hours on tape. There's a 1949 pilot of "Gunsmoke" starring Mark (that's right, Mark) Dillon, and world-saving battles between "The Shadow" and various forces of evil. Fibber McGee and Molly build a doghouse, while J. Edgar Hoover warns of creeping communism.

The collection includes several hours of live coverage of the Allied invasion of Europe, when the outcome of World War II and the fate of the world was very much unsettled. "Everyone was hanging on their radios to see if we were going to make it," Bensman said.

It also includes a series of shows by Dr. Joseph R. Brinkley, an almost-governor of Kansas who broadcast medical advice in the 1920's and 1930's. Brinkley picked up the nickname "goat gland doctor" because of claims he could improve the sex lives of his male patients with animal implants. "He did a 90-minute program where you would write him and describe your symptoms," said Bensman. "He'd then diagnose your problem and prescribe to you over the air."

Raising the ire of the FCC and the American Medical Association, Brinkley lost his broadcasting license in Milford, Kansas. He moved to Mexico and set up a hospital straddling the US-Mexican border.

"He was a real pioneer," Bensman said. "His voice is wonderful on the radio. I've listened to the stuff and his advice is not bad."

While academic researchers and biographers of radio personalities often use Bensman's radio collection, it can also come in handy for such people as the daughter of the "Silver-Masked Tenor." The tenor, whose real name was Josh White, performed on a 1920's radio show sponsored by a tire company. To promote "Silver-tone tires," program managers staged a yearlong contest featuring an unnamed singer said to be wearing a silver mask. Listeners were urged to guess his identity.

White's daughter contacted Bensman looking for a recording of her father's voice, and a performance by the "Silver-Masked Tenor" was found on one of the tapes. "We sent a tape and she was overjoyed," said Bensman.

The older programs in the collection are on 16-inch discs which can hold up to fifteen minutes on each side. The broadcasts are put on reel-to-reel tapes, and then on the cassettes which are made available to the public.

The collection continues to grow as more old programs are located and as modern ones are added to keep up with the evolution of radio.

Bensman said that he has a list of 60 to 70 programs he still seeks from the early days. "When we get those, we think we'll have every known program that ever appeared on the networks." The sought-after shows include such programs as "Eyes Aloft." "It's a program about air travel or being in the Air Force," Bensman said. "I think. It's hard to say. Nobody has heard these programs in years."

From an unattributed Associated Press story in the Norman Transcript, November 5, 1990. Thanks to John Carson for forwarding it along.

Publications

TIARE PUBLICATIONS announces the new 1991 edition of George Zeller's **Pirate Radio Directory**. See this month's **DX Montage** for further details.

THE NATIONAL RADIO CLUB presents the **NRC FM Log Book**, 1991 Edition. In previous years, the NRC has published the **FM Station Address Book**; this new directory includes several features which weren't in the earlier version, such as network and format information, construction permit activity, and a 2-line format which leaves more room for notes and generally makes the volume easier to use. Each station is cross-referenced by frequency, call letters, and city/state.

It is 8-1/2" x 11", 3-hole punched, and available from: The National Radio Club, PO Box 164, Mannsville, NY 13661-0164. It lists for \$19.95. Credit card orders only can be processed by calling (608) 423-4159.

Northern California scanner fans will want to check out the **Bay Area Scanner Enthusiasts Club**. You can get a sample copy by writing to Herman Frisch, 1465 Portobello Drive, San Jose, CA 95118. Although I am no expert on the subject, this looks to be one of the more attractive and informative VHF newsletters I've seen.

A recent press release from **FINE TUNING** announces that all three volumes of the **Proceedings** series are in very short supply, and that anyone who wants to start or complete his or her collection should order now. Each volume is \$19.50 plus \$2.00 shipping/handling within the US, \$3.00 to Canada and overseas by surface mail. (Overseas airmail is \$15.00.)

Every volume will remain available, but will be printed in shorter runs, with a correspondingly higher list price. Checks should be made payable to: Fine Tuning Special Publications; Route 5, Box 14; Stillwater, OK 74074.

NOTE TO PUBLISHERS: Announcements regarding new releases, &tc., should go to:

John Trautschold
354 North Winston Drive
Palatine, IL 60067-4132

and to: Donald J. Weber
2169 Walter Road
Westlake, OH 44145

for the earliest attention and best coverage in **SPEEDX**. Thank you.

PORTABLES ON PARADE

The SPEEDX Receiver Review Column

Don Brewer 9212 West 103d St., Apt. A Overland Park, KS 66212

In my review of the DX-370 last month, it was stated by our Honorable Publisher, Mr. Eddie J., that there would be "...a more thorough introduction..." this month. So, here goes:

I may be the greenest of SPEEDX's editors, but I am also probably the oldest. I've had more than a few anniversaries of my 39th birthday (to paraphrase Pres. Reagan). I'm married to a non-radio type but tolerant lady who presented me with three children. My oldest son is a Catholic priest, my middle child is now married and the mother of two young girls, and my youngest son is an eligible bachelor.

My career was in broadcasting, first as an announcer, then a newsman, then a news director, then a program producer for two consecutive state universities which, after 21 years, provided a pension which allowed my early retirement two years ago. During that time I picked up a master's degree in journalism and mass communications. One month after retirement and returning home to Kansas City from Arkansas, my wife and I assumed management of a small Christian bookstore. After one year, we had enough of retailing and I have been retired again since last June. Now I am leisurely looking for the right part-time telemarketing job. I'm not much of a salesman, but I can be a tiger with a telephone!

My collection of receivers was mentioned at length in last month's review of the DX-370. I have been an amateur radio operator for many years with the Advanced Class license, but use 2-meters exclusively now because of apartment dwelling. I use a 45-watt Kenwood transceiver.

Now, about this column: as is true with nearly all SPEEDX columns, it is yours, not mine. Other members might find it interesting to hear from you about your receiver. This could be about your Grundig portable, Kenwood table top receiver, or whatever. We certainly would be interested in knowing about new models on the market, but receivers still available for purchase could also be reviewed. Perhaps some will have been reviewed in other publications, but not by a knowledgeable SPEEDX member! And let's not forget newcomers to whom all of this might still be a bit strange and who would like to upgrade that \$50 DAK!

Last month, I said the DX-440 had been discontinued by Radio Shack. That statement was made because two stores said so. Since then, three stores have advised the DX-440 is still in the product line. One manager I consider to have the highest integrity told me the company had listed the receiver as being dropped late last year, but since the Persian Gulf War it has popped back onto the list again. However, she cautioned not to expect any DX-440s on store shelves until June because of fierce world demand.

Thanks for letting me introduce myself to you, and more importantly, thanks in advance for sending me reviews of your receivers. Nothing technical is needed; just how it works and what you like (or don't like) about it. I will edit, and if necessary, re-write, and forward to the same Mr. J.

73,
Don

WESTERN HEMISPHERE

Don Thornton - 12 Freeman Road
Somerset, NJ 08873

Hello again. A surplus of logs again this month, although not quite as many reporters as usual. I can't help but wonder if some of you aren't entering CNN in your log books instead of the BBC, hi!

ALASKA

- 6095 1215 **KNLS**: RR: Tx in RR; clear "govorit radiostantsiya KNLS" ID (232 1/12 Rocker-FL)
7365 0826 **KNLS**: EE: Grand Old Opry special; "Creative Moments"; tx abt parasites; mx by Sarah Hickman (333 1/21 Woering-MA)
11880 2053 **KNLS**: EE: M selling audio tape; James Ingram song; freq & sked anmts w/address & ID (444 1/6 Wolfson-OH)

ANTIGUA

- 5975 0510 **BBC**: EE: Nx inc Lithuanian radio & TV off the air; USSR troops stormed R. Vilnius transmitter @ 0200 (433 1/12 Scott-CA)
6040 0100 **DW**: EE: Tx of a Jewish Council in united Germany; cmnty "Pres Bush had no other choice..." (555 1/18 Robinson-TN)
6195 1205 **BBC**: EE: Report on the Gulf Crisis; more fighting in Sri Lanka
9640 0800 **BBC**: EE: M evacuate more people from Somalia (333 1/12 Brown-IL)
15105 0045 **DW**: EE: M reads nx in EE (555 1/19 Findlater-CA)
DW: EE: S/off anmts w/clear ID by M (434 12/6 Babin-MA)

ANTILLES

- 6165 0028* **RN**: EE: Nx inc British ask for Dutch mine sweepers; "Newsline" w/feature abt "How will the Gulf War Go?" (444 1/10 Brown IL)
9535 0259* **TWR**: EE: "Bonaire Wavelengths" w/interview w/Eddie Chin of KTWR (Guam); into relig prog (444 2/10 Carson-OK)
9630 0815 **RN**: EE: "Over to You" prog ended with song "What a Wonderful World" (544 1/5 Gaharan-LA) (Park-HI)
11720 0350 **RN**: EE: "Media Network: A Cry from Kaunas"; a report on the Lithuanian crisis; update on Mideast radio (333 1/18 Park-HI)
11930 0330 **TWR**: EE: "Bonaire Wavelengths" w/Chuck Roswell interviewing engineer at the Bonaire transmitter (444 1/20 Scott-CA)
15560 0755 **RN**: EE: Nx abt R. Vilnius takeover & the start of the Gulf War (444 1/17 Carson-OK)
21685 1912 **RN**: EE: Prog of jazz mx (544 1/30 Fujima-CA)

ARGENTINA

- 6060 0830 **R. Nacional**: SS: M DJ w/Latino mx (444 1/10 Findlater CA)
11710 0130 **RAE**: SS: ID as "Atlantic prog of RAE"; nx of Central Bank; mx inc harmonica solos (545 1/3 Robinson-TN) (Carson-OK)

BOLIVIA

- 4649 0200 **R. Santa Ana**: SS: Lat Am mx; poor signal (222 1/25 Findlater)

BRAZIL

- 3366 0311 **R. Cultura**: PP: M reads nx; ID @ 0312; freq anmts (343 1/6 Wolfson-OH) (DXers beware; R. Rebelde is also on this freq dt)
4755 0000 **R. Educacão Rural**: PP: ID; series of M vocal selection (252 1/30 D'Angelo-PA) (Bishop-NY) (Findlater-CA)
4795 0826 **R. Difusora**: PP: Mx & also anmts until ID @ 0831 (232 1/8 Huffaker-Mexico)
4805 2211 **R. Dif. do Amazonas**: PP: Selections of Lat Am mx in PP (221 1/7 Bishop-NY) (Huffaker-Mexico)
4825 0920 **R. Educadora**: PP: Brasoballads; jingle ID; community public service anmts; more mx @ 0933 (333 1/13 Westenhaver-PQ)
4865 0330 **R. Sociedade Feira de Santana(t)**: PP: Pop mx heard w/heavy FAX QRM (242 1/4 Babin-MA)
4875 0328 **Super R. Roraima**: PP: Mix of US & Brazilian pop mx (322 1/12 Bishop-NY) (Whether it's Lat Am, African or even South Pacific stations I'm always amazed at the popularity of US mx! dt)
4885 0821 **R. Clube do Pará**: PP: Lively mx; "do Pará" IDs (333 1/7 Huffaker-Mexico)
4914.9 0845 **R. Anhanguera**: PP: Lat Am vcl mx; ID & freq anmt @ 0902; 19
M anncr w/lots of tx (232 1/26 Carson-OK)
4935 0021 **R. Capixaba**: PP: Political speech; ad string; ID & vocal mx;

4955 0600 @ 0037 into another political speech (353 1/30 D'Angelo PA)
R. Marajoara(t): PP: Tx; mx; ads much QRM. Strange s/off time but I could swear this was a Brazilian! (333 1/2 Rocker FL) (Heard @ 0510 on 1/7 by R. D'Angelo so likely it was them dt)
 5015 0845 **R. Pioneira**: PP: Brazilian instl mx; "R. Pioneira de Teresina" ID; into Tom Jones' "She's a Lady" (343 1/13 Westenhaver PQ)
 5035 0130 **R. Aparecida**: PP: Segment featuring chimes & hymns (222 1/28 Findlater-CA)
 6000 0820 **R. Guaiaba**: PP: Latin orchestral mx; ID & promo for "A Gran Historia da Cancao" prog on Sunday mornings (343 1/13 Westenhaver)
 6020 0835 **R. Gaúcha(t)**: PP: No actual ID heard but ments of Brazil & São Paulo (333 1/12 Findlater-CA)

CANADA

5960 0300 **R. Japan**: Nx of the Middle East (433 1/3 Bishop-NY)
 5965 1203 **BBC**: EE: Nx inc 7 planes fly from Iraq to Iran; oil spill in the Gulf continues to grow (444 1/26 Brown-IL)
 6005 1823 **CFCX**: EE: Hi-rise fire in Montreal; report from Halifax on return of a Canadian ship from the Gulf (333 1/10 Cichorek NJ)
 6070 1825 **CRFX**: EE: Tx abt security in homes and apartments in Canada (433 1/7 Bishop-NY)
 6120 1157 **R. Japan**: EE: Nx inc Soviets say they are pulling out of Vilnius; ID; skeds (444 1/26 Brown-IL)
 6130 1205 **CHNX**: EE: Sports; Nova Scotia wx; pop mx inc Billy Joel, Maxi Priest (242 1/12 Rocker-FL)
 6160 0030 **CKZN**: EE: 2 M discuss world nx events (333 1/11 Findlater CA)
 6160 0750 **CKZU**: EE: Classical mx; @ 0800 nx from BBC & CBC nx; ID & address; "Hebrides" overture (444 1/21 Scott-CA)
 6175 2216 **BBC**: EE: Tx abt Lithuania (433 1/1 Bishop-NY)
 9535 0232 **RCI**: EE: "Talk Back" feature w/listener's phoned-in comments, this day all anti-war sentiments (434 1/16 Johnson-IL)
 9625 1230 **BBCNQS**: EE: Travel advisories due to wx; CBC nx; sports (344 1/12 Rocker-FL)
 9755 0035 **RCI**: EE: "Short Wave Listener's Digest" w/a feature on CFNC Native Radio (444 1/6 Neff-FL)
 11945 2200 **RCI**: EE: ID; into nx abt war in Persian Gulf; Canada to send troops to Saudi Arabia (433 1/19 Abbinante-IL)
 13670 1832 **RCI**: EE: "L'Attitude" w/feature abt Vincent Van Gogh (344 1/27 Carson-OK)
 15260 1800 **RCI**: EE: Cmnty on Gulf Crisis and Canada's role in it (444 1/15 Langlois-FL)
 21545 1524 **RCI**: EE: Cmnty abt the invention of the gas mask by a Newfoundland named Mac Pherson (555 1/30 Levison-PA)

CHILE

15140 0030 **R. Nacional de Chile**: SS: Freq IDs; "Mundial de Música" with love ballads (555 2/5 Robinson-TN) (Findlater-CA)

COLOMBIA

4845 0315 **R. Bucaramanga**: SS: Latino mx prog (222 1/10 Findlater CA)
 4865 0320 **Lv del Cinaruco**: SS: M sings a Lat Am song (322 1/12 Bishop)
 4885 0230 **Ondas del Meta**: SS: M DJ tx in SS (222 1/22 Findlater-CA)
 4920 0704 **Caracol**: SS: Nx; phone-ins network ID (333 1/16 Huffaker)
 4965 0753 **R. Santa Fé**: SS: Prog of lively Latin vocals; freq ments of Santa Fé (454 1/3 D'Angelo-PA)
 5570 1115 **R. Nueva Vida**: SS: M tx; then inspirational ballad (242 1/12 Johnson-IL) (Nice one-this stn transmits 200 watts-dt)
 6075 0818 **Caracol**: SS: ID "Caracol de Colombia/Caracol Int'l"; into prog of mx (343 1/19 Carson-OK) Westenhaver-PQ)
 6150 0906 **Caracol-Bogota**: SS: Long promo for Caracol's world nx coverage into "Caracol en la Tierra" farm show (344 1/28 Westenhaver PQ)

COSTA RICA

7375 0427 **RFPI**: EE: "World of Radio" #580 w/news that Radio Austria's "Panorama" is cancelled (333 2/5 Brown-IL)
 13630 2345 **RFPI**: EE: Study abt effects of "El Niño" weather pattern (443 1/4 Gaharan-LA) (Levison-PA) (Cichorek-NJ)
 21565 2215 **RFPI**: EE: Singing w/accompaniment- sounded Arabic; female commentary in EE (444 1/6 Levison-PA)

CUBA

3366 0400 **R. Rebelde**: SS: DJ plays salsa & other Lat Am mx (222 1/19 Findlater-CA) (Westenhaver-PQ)
 5025 1120 **R. Rebelde**: SS: M anncr w/ments of Havana (333 1/8 Cichorek)
 9505 0215 **RHC**: EE: Nat'l nx; "World of Amateur Sports" (444 1/12 Rocker)
 20

9750 0449 RHC: EE: "World of Stamps" & question of the week; better reception here than //11820 (444 1/27 Carson-OK)
 11760 0425 RHC: EE: Nx inc European demonstrations against the war in the Persian Gulf (433 1/12 Scott-FL)
 11820 0100 RHC: SS: "Cultural Showcase" w/vocal mx; into nx abt the Gulf War (555 2/3 Robinson-TN)

ECUADOR

3270 1043 Ecos del Oriente: SS: Accordion mx; TCs & IDs; a reactivation! (433 1/4 Huffaker-Mexico)
 3395 0048 R. Zaracay: SS: Lat Am mx; ID & TC @ 0052; tx & more mx (333 1/7 Karcheski-MA) (Bishop-NY)
 4679v 0124 R. Nacional Espejo: SS: M tx; then some ads; ID @ 0130 "aqui R. Nacional Espejo" (221 1/22 Bishop-NY)
 4920 0217 R. Quito: SS: Vocals accompanied by guitar; ID "Radio Quito, la voz de la capital" (322 1/19 Cichorek-NJ)
 6205 0753 HCJB: EE: Cmnty abt the total lack of credibility of certain governments (555 2/5 Leader-Ireland)
 9745 0040 HCJB: EE: "Studio 9" w/a profile of Radio K'ekchi' (Guatemala) which I tuned to & got a very faint signal, no ID (544 1/11 Fraser-MA) (Langlois-FL) (Scott-CA) (Brown-IL) (Park-HI)
 15155 0102 HCJB: EE: A tourist visits Ecuadorian radio stations (444 1/6 Neff-FL) @ 0500 in EE "DX Partyline" w/SPEEDX report featuring an interview w/Peggy Thompson (454 1/20 Johnson-IL)
 17790 1935 HCJB: EE: "Happiness Is" featuring letters of the alphabet & the meaning of people's names (433 1/3 Gaharan-LA)
 21455u 1705 HCJB: EE: ID @ 1715; into Arabic prog (434 1/19 Woering-MA)
 25950u 0600 HCJB: EE: Nx; ID; "Studio 9"; "Musica del Ecuador"; this is an experimental ssb transmission (252 1/12 Ashimori-Japan)

FRENCH GUIANA

9765 0902 R. Japan: PP: World nx in PP; //11875 (444 1/30 Fujima-CA)
 15325 0302 R. Japan: EE: Nx inc Japan will increase its financial contributions to the Gulf war effort (544 1/22 Brown-IL)

GUATEMALA

2390 1200 LV de Atitlán: SS: Love ballads; "Radio Atitlán" ID; percussion mx before ID @ 1230 (444 1/19 Robinson-TN)
 3300 0430 R. Cultural: SS: Bach organ mx; (Phantom of the Opera type of stuff) off abruptly @ 0431 (343 1/19 Johnson-IL)
 3325 1039 R. Maya de Barillas: SS: Vcl & guitar mx (now marimbas!) @ 1043 IDs; then more mx (but no marimbas!) (242 1/13 Westenhaver PQ)
 3380 2358 R. Chortis: SS: Mix of Lat Am mx & M anncr talking (221 1/21 Bishop-NY)
 4799.8 0220 R. Buenas Nuevas(t): SS: M anncr playing Lat Am mx; ID (222 1/4 Babin-MA)
 4835 1219 R. Tezulutlán: SS: Vern: SS song; then bizarre mix of vern chanting/singing/tx @ 1226 vern annmts w/ID; mx bridge (Yay! Marimbas!) (343 1/13 Westenhaver-PQ) (Bishop-NY)

HONDURAS

3250 1132 R. Luz y Vida: SS: ID "R. Luz y Vida, Honduras"; "Sabado prog ramo campesino"; vcl mx from children (545 1/19 Robinson TN)
 4820 0143 LV Evangelica: SS: Vocals; M tx w/ments of Christianos & Tegucigalpa (242 1/30 Thompson-CA)

NICARAGUA

4926.5 0155 R. Informaciones de Centralamerica: SS: 80's pop song "Total Eclipse of the Heart"; ID as "R. Informaciones de Centralamerica"; then "Ode to Joy" (232 1/29 Johnson-IL)

PERU

4800 0334 R. Onda Azul: SS: Pop mx; break mx type IDs (232 1/8 Huffaker)
 4820 0944 R. Atahualpa: SS: Long, long s/on w/lots of IDs (433 1/6 Huffaker-Mexico)
 4992 0200 R. Ancash: SS: Prog of Lat Am mx (222 1/25 Findlater-CA)
 6188.1 1005 R. Oriente: SS: Full ID w/MW & SW freqs; promo for Sat 8am prog on "R. Oriente de Yurimaguas" (222 1/13 Westenhaver PQ)

PIRATES, CLANDESTINES & Unids

6305 0531 LV del CID: SS: Full ID; SS tx by M (444 12/31 Karcheski MA)
 7185.5 1257 R. Free NY: EE: Anti-war tx; phone-in mx requests; mailbag. My first pirate! (333 1/13 Johnston-NY)
 7408 1612 Hope R. Int'l: EE: Heavy rock mx; ID @ 1620; mx by The Church (444 1/6 Karcheski-MA)

7413 2326 **WORK:** EE: Rock mx; "Plea Bargain" skit; ID "WORK--Workers Oper-
ating Radio Knobs" (444 12/24 Sampson-WI)

7414 2244 **WRBI(?)**: EE: Mx by Heart, Eagles ect (3332 12/31 Karcheski MA)

7415 0115 **WHO:** EE: Parodies of "The 12 Days of Xmas"; "Dagnet"; ID
w/Wellsville NY PO address (434 12/24 Karcheski-MA)

7488.5 2321 **WGFB(?)**: EE: Relay of WGFB-99.9 FM From Plattsburgh NY; I was
able to hear the station on FM, too, & the SW b'cast was a
live relay--not a tape. Weird! (444 1/12 Westenhaver-PQ)

9525 0525 **R. Marti:** SS: W dictating to a M; sound of typewriter; ID @
0528; into Lat Am mx (444 1/23 Scott-CA)

9941 1703 **LV del CID:** SS: World nx; ID; tx by speakers (444 1/5 Neff FL)

11930 2000 **R. Marti:** EE: DJ w/prog of salsa mx (555 1/11 Findlater CA)

UNITED STATES OF AMERICA

5950 0207 **VOFC:** Cmnty abt fishing boats; pilots are needed (444 1/5
Levison-PA)

7395 0037 **WSHB:** EE: Vietnam Veteran's restoration project (443 1/1
Neff-FL)

7510 0250 **KTBN:** EE: Dr. Robert Schuller from the Crystal Cathedral in
Garden Grove, CA (434 1/13 Woering-MA)

9455 0145 **VOA:** EE: Report on the decline of tourism; "Focus on the
Carribean (444 1/30 Brown-IL)

9465 1745 **WMLK:** EE: M w/cmnty on Jews & Christians (444 1/15 Langlois-
FL) (Likely that was Elder Jacob O Meyer himself--dt)

9495 2311 **WHRI:** EE: Prog "Lifestyles Magazine" (423 1/5 Woering-MA)

9852.5 2220 **VOFC:** EE: "Cultural Encounters" prog w/disc abt pottery of
ancient China; ID @ 2225 (454 1/11 Fraser-MA)

11835 0350 **VOA:** EE: "VOA Sunday Morning" prog w/interview w/Robin Cook,
author of book "Coma" (2/10 Carson-OK)

13760 2110 **WHRI:** EE: Prog w/Christian singing group; M delivers sermon
(433 1/19 Bishop-NY)

15145 2306 **WINB:** EE: Prog of Christian mx (322 1/20 Bishop-NY)

15185 2146 **WINB:** EE: Prog of southern Gospel mx (444 2/9 Carson-OK)

15220 1554 **WYFR:** EE: "Farm Radio" prog abt various concoctions to deter
domestic animals from eating plants & trees--by using goat
manure! (533 1/12 Thompson)

15280 2159 **KGEI:** EE: Horn IS; ID; "Hour of Decision" w/Dr Billy Graham
(121 1/6 Park-HI)

15590 2340 **KTBN:** EE: Rev RW Shambock describes amazing miracles of healing
he has witnessed, occurring solely through the use of faith,
baffling medical science (555 2/1 Thornton-NJ)

15690 2132 **WWCR:** EE: Prog of Christian prophecy (544 1/18 Bishop-NY)

17775 2029 **KVOH:** EE: Adrrs; TC; ID; rel vcl mx (444 1/11 Cichorek NJ)

21485 2231 **VOA:** EE: Nx inc US & Europe condemn the crackdown in Lithuania
(444 1/13 Brown-IL)

21780 1403 **WCSN:** EE: French dipomats arrive in the Middle East (454 1/11
Neff-FL)

21930 1605 **WCSN:** EE: Tx abt world peace (333 1/26 Levison-PA)

25915 2205 **WYFR:** SS: Group singing songs in SS; probably relig mx (222
1/6 Levison-PA)

VENEZUELA

4830 0300 **R. Táchira:** SS: M DJ hosts prog of Lat Am pop mx; ID @ 0300
(454 1/4 Babin-MA) (Bishop-NY) (Huffaker-Mexico)

4840 0307 **R. Valera:** SS: Lat Am mx hosted by M DJ (222 1/12 Bishop NY)

4939.6 0305 **R. Continental:** SS: Upbeat Lat Am mx; frequent IDs (422 1/21
Rocker-FL)

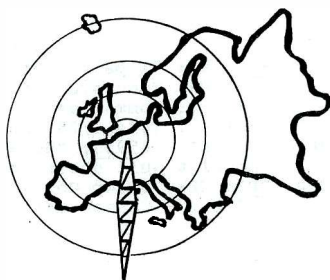
4970 0115 **R. Rumbos:** SS: Lat Am mx; IDs (444 1/1 Neff-FL)

4980 0149 **Ecos del Torbes:** SS: Ads; TC; ID; nx--mostly abt the Gulf War
(242 1/30 Thompson-CA) (Neff-FL)

9660 0915 **R. Rumbos:** SS: M anncr; ID @ 0934; //4970 (423 1/21 Scott CA)

FILL THAT GAP! Special thanks to Bob Colyard for a Dec 17, 1990 17
page list by freq of all current VOA transmissions which include site,
azimuth, beginning & end time & lang used. It cost him 98¢ postage to mail it
to me, so I'll photocopy it free of charge & mail it to anyone in the US for
\$1.00 After all, if there is no profit in the deal, there is no honor!
Thanks also to Jeff Knapp for an interesting article on the VOA from the
Cincinnati Post & to John Spencer Carson for the 12/90 newsletter from
KNLS...WRNO is back at full power--at least when they are on the air...I made
certain I included a good number of religious b'casts monitored this past
month. It seems a fair number of SWLs monitor them quite regularly, and there
certainly is no shortage of them on the airwaves these days...hope to see you
in Kulpsville PA..until next month remember to have fun with your radio!

EUROPE



BOB COLYARD
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A new look this month. Many good loggings, even some over 2 weeks old. So put on those glasses, grab a yellow hi-lighter and wade through this list of freqs and innuendo to find the real richness of DXing. Don't forget that Austria, BRT, Budapest, Sofia & Yugoslavia go on DST soon. See Ya!

ALBANIA

Radio Tirana

6121 2035 RT: EE: YL w/talk abt a new pluralist system. (333 1/11 EC-NJ)
7205 0500 RT: FF: ID and news by YL. (333 1/10 Findlater-CA)
7310 0530 RT: Polish: YL w/news; poor. (222 1/10 Findlater-CA)
9479.7 1835 RT: EE: Talk about Albanian foreign policy, vis-a-vis Europe & the Gulf. @1837 ID & item on trade w/Turkey. (343 1/11 WW-PQ)
9759.9 0235 RT: EE: Tourism & need of foreign monies. (343 1/3 Wolfson-OH)
9760 0337 RT: EE: Albanian women & Marxist wars. (423 1/24 Trescher-PA)
2335 RT: EE: News(the war), commentary & AA music. (444 2/3 JC-OK)
11935 0233 RT: Albanian: Vocal mx & talk by OM/YL. (444 1/23 Levison-PA)
11985 1403 RT: EE: Report on the war and interview w/head of an Albanian gov't tourism agency. (454 1/29 Rocker-FL) Choose Albania or Hawaii...?! Albania trading with Turkey. Right! Pluralist?

AUSTRIA

Radio Austria Int'l

6015S 0600 RAI-(via Sackville): GG: Mid East News. (444 1/16 Scott-CA)
9870 0130 RAI: EE: Iraqis listen to the short wave. (433 1/23 Brown-OH)
0208 RAI: GG?: Music: "country folk dances". (444 1/16 Levison-PA)
9875 0145 RAI: EE: //9870(454); Report on the Gulf war affecting the carnival, opera, and sports seasons. (554 1/22 Fraser-MA)
12010 1931 RAI: EE: //13730; Nx about Yugoslavian Croatian/Serbian feud. (343 1/27 Johnson-IL)
15450 0800 RAI: GG: OM w/news. poor (222 1/28 Findlater-CA)
21490 1350 RAI: SS/GG: Waltz mx & s/off; GG s/on @1400. (333 1/15 JC-OK)
1430 RAI: EE: News of free market economy. (545 1/1 Robinson-TN)

BELGIUM

Belgische Radio en Televisie

Radio Television Belge De Francaise

6035 0743 BRT: EE: "Radio World" w/monitoring tips. QRM (232 1/28 WW-PQ)
7140 0521 RTBF: FF: African drum - IS to 0525; YL w/ID and schedule. "Radio 4 Internationale"; pop mx. (333 1/12 Westenhaver-PQ)
9925 0030 BRT: EE: "Brussels Calling". (343 1/10 Gaharan-LA) (Carson-OK)
11695 0730 BRT: EE: OM w/news. (333 2/1 Findlater-CA)
15540 1948 RTBF: FF: Latin vocal music & YL w/anmts. (443 1/6 Wolfson-OH)
15675 0830 BRT: Dutch: DJ w/pop music program. (222 2/1 Findlater-CA)
21810 1400 BRT: EE: News on Socialist groups; New Year greetings: "1990.. a dark year for Belgian pig breeders". (555 1/1 Robinson-TN)
21815 1631 BRT: Dutch: YL w/Vocal music selections. (555 1/3 Levison-PA)
25646 1339 RTBF: FF: About upcoming conference to improve Belgian sports; "call for further info"; time ck. (444 1/13* Westenhaver-PQ)

BULGARIA

Radio Sofia

Radio Moscow

7115 0032 RM: EE: //7150, 7310; Letterbox w/letter from "Edward Janwsz" of Bricktown, NJ. (they even spelled the name that way) (444 1/22 Westenhaver-PQ) Isn't he that economic expert? -BC
7115 0400 RS: EE: news & political comment. (444 1/13 Levison-PA)
0430 RS: EE: "Review of Events & Developments", "Economy & Science", "Tourism 91". (444 1/15 Carson-OK) (333 1/8 Findlater-CA)
7670 0400 RS: EE: Monthly Magazine and music. (433 1/12 Brown-IL) //11720, //11735, //11760, none audible (444 1/29 Carson-OK)
Home Svc-Stolnik: Bulgarian: //11660; IS, time pips(5-1) & ID anmt: "Horizont.. programma.."; into news. (322 1/16 BC-NJ)
9700 2145 RS: EE: "Topical Studio" on smokers. (444 1/13 Fraser-MA)
11660 0730 Home Svc-Plovdiv: Bulgarian: OM w/talk (333 2/1 Findlater-CA)
11680 0000 RS: EE: Profile of new ambassador to US. (433 1/1 Millard-TX)
0030 RS: EE: Xmas celebrations in Bulgaria. (433 1/4 Gaharan-LA)
0057 RS: EE/FF: Closing anmts & IS to 0100. (455 1/11 Rocker-FL)
15370 2100 RS: PP: YL w/talk to 2130*. poor (222 2/4 Findlater-CA)
17825 *0730 RS: EE: //11765; YL w/anmts & news. (333 2/2 Findlater-CA) 23

CZECHOSLOVAKIA

Radio Prague Int'l

5930 0322 RPI: EE: "Tips for Trip": a Moravian town. (434 1/12 Carson-OK)
 0410 RPI: EE: Economic situation in Czech. (444 1/16 Johnson-IL)
 7345 *0000 RPI: EE: Commentary on the Warsaw pact & payment to aid Gulf
 Forces. (444 1/25 Langlois-FL) (444 1/1 Levison-PA)
 0307 RPI: EE: //5930; "Scrapbook": the recipe feature, Czech heavy
 metal & quiz question. (444 1/28 Johnson-IL) My favorite!
 2208 RPI: EE: "Stamp Corner" & Czech/Slovak Literature Dramatized.
 (322 2/9 Carson-OK)

FINLAND

Radio Finland

6120 0810 RF: Finnish: DJ w/EE pop oldies. Good quality. (343 1/28 WW-PQ)
 9560 0735 RF: EE: "Northern Report" & "Press review"; into FF @0750.
 (544 1/23 Johnston-NY) (222 1/10 Findlater-CA)
 11755 0005 RF: EE: News: Finnish political leader starts work in Moscow.
 (423 1/6 Woering-MA)
 15185 1524 RF: EE: OM w/press review & ID: "This is YLE radio... serving
 the greater Helsinki area on 1-oh-3-point-7 PM...". IS & into
 Swedish @1530. White noise QRM. (223 1/17 Park-HI) Bleached!
 15245 0958 RF: Finnish: YL w/news briefs. QRM de 15240. (322 1/8 WW-PQ)
 15400 1400 RF: EE: News: Oil spill in gulf is biggest in history. Iraqi
 planes land in Iran. (444 1/26 Hart-MN) The Finnish Red
 Cross going to the gulf, to help out. (444 1/21 Abbinante-IL)

FRANCE

Radio France Int'l

6045 2130 RFI: FF: ID & into World news. co-ch QRM. (333 1/12* WW-PQ)
 11670 1230 RFI: EE: France now attacking targets. (344 1/24 Johnson-IL)
 15155 1238 RFI: EE: //17650, 21635, 21645; World news and review of the
 French press. (333 1/12 Rocker-FL)
 15460 1930 RFI: FF: //15300; OM w/talk. (222 1/6 Findlater-CA)
 17620 1615 RFI: EE: News: detailed report on Jordan's position in the
 Mideast crisis. Very interesting & quite distinct from what
 I hear in American media. (444 1/20 Scott-CA) (433 Woering-MA)
 21580 1640 RFI: FF: //21620; "Rhapsody in Blue" (444 1/26 Levison-PA)
 21635 1245 RFI: EE: Discussion on African films. (444 1/12 Langlois-FL)
 21645 1257 RFI-Guiana: EE: Music & "Question of the Week". (343 1/6 Neff-FL)
 25820 1452 RFI: FF: Strike of French footballers. (444 1/13 WW-PQ)

GERMANY

Deutsche Welle Radio in the American Sector Radio Canada Int'l

1593 0605 Westdeutscher Rundfunk: GG: YL w/news & American rock n roll.
 @0612; OM/YL on phone w/OM; (sounded like a traffic report)
 & more rock n roll. Best I heard in a while. (211 2/15 BC-NJ)
 3995 0020 DW: GG: Translation of CNN in Iraq. (221 1/22 Bishop-NY)
 6005 0600 RIAS: GG: "Ree-as" ID & Time check: "Sieben Uhr" (7 oclock).
 News & ID @0615; then RX talk. No CFCF. (333 1/21 George-MA)
 6040 0125 DW: EE: //6085; "European Journal"; commentary & financial
 report: Lombard rate is raised 1/2%. (444 1/31 Brown-IL)
 6085 0401 Bayerische Rundfunk: GG: News, Weather, anmt: "Nachrichten der
 Bayerische Rundfunk"; then program of non-stop oom-pah music.
 (333 1/16 Westenhaber-PQ) (333 Findlater-CA) (211 Bishop-NY)
 7285 0205 DW: EE: World news & commentary on political turbulence in
 Yugoslavia. (343 1/12 Rocker-FL)
 9555_{nf} 0359 RCI: EE: //11925 (Austria); IS, ID & anmt: "This Beast to Mid-
 east"; news by Carmel Kilkenny. (222 1/29 Westenhaber-PQ)
 9670 0520 DW: EE: //6120; "Random Selection" LW's diet. (444 1/14 JC-OK)
 11770 0600 RL: Belorussian: "Radio Svoboda"; YL w/news. (222 1/29 JF-CA)
 11810 1928 DW: EE: Africa Svc: "Newsline Cologne", w/African news and
 "Economic Notebook". (333 1/11 Cichorek-NJ)
 21570 0818 VOA-Europe: Getting messages to American troops via computer-
 ized mail. (55455 1/29 Leader-IR)
 25740 1342 DW: GG: Freq sked, IS & ID; then mailbag pgm. Clear signal
 but muddy audio--strange for DW. (444 1/13 Westenhaber-PQ)

GREECE

Voice of AmericaVoice of Greece

7160 0500 VOA-Kavalla: AA: OM w/news (222 1/19 Findlater-CA)
 9395 0147 VOG: EE/Greek: //9420; ID; discussion of Benaki museum & Greek
 music. (343 1/19 Stine-MD) (333 Findlater-CA) (333 Brown-IL)
 9420 0130 VOG: EE: //9395; 3 bombs go off in Athens at US, British &
 French owned buildings. (343 1/25 Barber-IL)
 24 Beautiful instrumental music. (443 1/25 Thompson-CA)
 "Allied air raids continue against Iraq." (444 1/18 Brown-IL)
 9425 0435 VOG: Greek: Program of greek music; 0450*. (444 2/8 Carson-OK)
 11595 0630 Radio Statmos Makedonias: Greek: music pgm. (333 1/2 JF-CA)
 11645 0135 VOG: EE: YL w/news about the Gulf war. (444 1/30 Millard-TX)
 2230 VOG: EE: Greek mx, ID & news @2240. (333 1/20 Carson-OK) OK-JC
 15225 2000 VOA-Kavalla: AA: YL w/talk. (222 2/4 Findlater-CA)

HUNGARYRadio Budapest

6110 0229 RB: EE: "Calling DXers" DX program. (433 1/1 Neff-FL)
 9835 0037 RB: EE: Hungary's role in Gulf crisis. (333 1/10 Gaharan-LA)
 0131 RB: EE: News & comment: investors wanted. (333 1/16 Levison-PA)
 11910 0127 RB: EE: "Calling DXers": schedule for VOFC, Vatican Radio, and Radio Norway. IS and off @0245*. (322 2/5 Brown-IL)

ICELANDIcelandic National Broadcasting Service

6218 0100 INBS-2nd program?: Icelandic: //9268; Much music & little tlk. Some nx on the hour, till past 1000 hrs. 9268 seems on 24hrs. Music varies from classical to hard rock. BBC's "In Concert" @0300, on 2/13. Thanks SPEEDXer Steve George & ANARC SWL NET (7240 kHz 1500 Sunday) for tip on this one. (321 2/20 BC-NJ)
 9268 1900 INBS: Icelandic: //13855(344-1930*); "Utvart Reykjavik"; world nx @1915 w/teletype noise & correspondents. (322 2/10 BC-NJ)
 17440 1420 INBS: Icelandic: //13855(poor); News & anmts of Reykjavik, interviews, Int'l news w/correspondents & gulf news. ID and off @1451*. (444 1/12 Cichorek-NJ) How about that TTY racket!

ITALYRadiotelevisione Italiano Italian Radio Relay Service Radio Uno

6060 *2230 Radio Uno-Night Svc: II: Music box IS & s/on: "RAI Radiotelevisione Italiano..." - freq anmts & music bridge - "Notturno Italiano...". Then nonstop music. 7 mins of II/EE news top of every hour; FF/GG news at the half hour. IS & blocked by co-ch VOA (Wertachtal) in EE @0457. (312 2/21 Colyard-NJ)
 9575 0110 RAI: EE: News: food relief to Eastern Europe, rock concert to benefit Moscow Hospital. "You have been listening to RAI, the Italian broadcast station". FF: @0122. (423 2/10 Scott-CA)
 9815u 0650 IRRS: EE/II: Beatle's music; ID @0652: "This is I-double-RS, the Italian Radio Relay Svc, in Milano, Italy.. Broadcasting in A3A modulation..". @0708: UN prgm: "The World in Review". USB mode. (253 1/21 George-MA)
 11800 1945 RAI: EE: Soft Italian pops w/XL ancr. (343 1/6 Johnson-IL) DL?
 17900 1510 ???: II?: Sounds like religious singing. echo on transmission. (434 1/17 Levison-PA) This probably RAI to Mideast, /21850. BC

LUXEMBOURGRadio Luxembourg

6090 0730 RTL: GG: DJ w/pop vocals. (333 1/10 Findlater-CA)
 15350 2151 RTL: EE: Music by "INXS". Fading out. (232 1/17 Abbinante-ID)

MALTADeutsche Welle Voice of the Mediterranean

9765 *0600 VOM: EE: "R. Malta.. Voice of the Medi..." (434 12/23 Babin-MA)
 0715 VOM: EE/AA: End of Mailbag @0723. (433 1/20 Carson-OK)
 17825 1600 DW: EE: to Asia: //15240; World news. (243 1/13 Rocker-FL)

Voice of Mediterranean's schedule:

9765 0600-0800, 11925 1400-1600
 MONDAY= "Sugar & Spice", "Maltese Migration" TUESDAY= "Malta Your Host"
 WEDNESDAY= "Mailbag" THURSDAY= "Vitrage" FRIDAY= "Psychology for Today"
 SATURDAY= "Out & About", "Weekly Commentary" SUNDAY= "Nice & Easy 45"
 DAILY= Maltese music, folklore, history & current events.
 P.O. Box 143, Valletta, Malta (Tnx NJ, Carson)

MONACOTrans World Radio

7335 *1957 TWR: RR: IS, ID & bells like Vatican. talk and church singing, under co-ch CHU-Canada. 1930*. LSB best. (212 2/10 BC-NJ)
 9480 0744 TWR: EE: "Evidence" program; @0745: ID and into "Christian Brotherhood Hour". (444 1/13 Westenhaver-PQ) Hey! It fit!
 12020 *1559 TWR: EE/Kurdish: Musicbox IS in Key of "B". ID & anmt "stay tuned for broadcast in Kurdish". Kurdish ID, theme music and talk. QRM de co-ch UNID & RFI-12015. (222 12/31 Park-HI)

NETHERLANDSRadio Netherlands

6020 0035 RN: EE: Nx: call for conference on chemical weapons; "Newline" and "Media Network": WRTH sold out & Radio Shack sold out of SW Radios. (333 1/31 Brown-IL) That damn Gulf crisis! -BC "Newline": Comment on the Gulf, & helping prostitutes find other work. (444 Langlois-FL) (554 Fraser-MA) (544 Carson-OK)
 9590 0403 RN: EE: Letterbox program: cheese w/cumin. (444 1/12 Hart-MN)
 13770 1445 RN: EE: //17605, 17575, 15150; "Newline": Allies attack Iraq; "Media Network": Kaunas.. (122 1/17 Park-HI) (333 Gaharan-LA)
 15560 1556 RN: AA: Much discussion on Mideast situation. (What else?!) (453 1/26 Thompson-CA) Ah, how about.. ah.. maybe.. hockey?!
 17605 1830 RN: EE: Discussion of the Persian Gulf. (444 1/26 Levison-PA)
 21515 1822 RN: Dutch: Freqs & time, close down w/anthem. (333 1/27 JC-OK)

Note: WW-PQ = Westenhaver-PQ, EB-IL = Brown-IL, JC-OK = Carson-OK, 25 JF-CA = Findlater-CA, EC-NJ = Cichorek-NJ. Oh! New "Waveguide" @1635-MON.

We go now to our correspondent Steve Willers in Basel, Switzerland.

6210 0820 European Christian Radio: GG: Religious talk, music & address in Austria. -Italy- (444 1/13)
6275 0946 Radio Delta: EE/DD: Pop music, & asking for reception reports, address: Postbus 65, 7260 AB, Ruurlo. -Holland- (233 1/6)
6316 1554 Western North Kent Road: EE: Music by Santana & Status Quo, ID and address. -England (222 1/1)
7294 0952 Radio Europe: II/EE: Pop music & talk: "This is Radio Europe Broadcasting from Italy". -Italy- (353 1/13)
7441 0935 Radio Waves Int'l: EE: French DJ w/AD for a pirate magazine in Holland, & ID. -France- (342 1/13)
9815 1035 IRRS: EE: English and Italian music. -Italy- (455 1/27)
9815 1134 European Gospel Radio-via IRRS: EE: Religious talk and letters read out, address in the USA. -Italy- (455 1/27)
11401 1009 Jolly Roger Radio: EE: DJ w/country music. -Ireland- (254 1/20)
11401 1015 Radio Waves Int'l: EE: Soft music, many IDs. This station can be heard every Sunday. -France- (222 1/6)
11401 1038 Radio Mandarin-via RWI: FF/EE: Pop music, ID and address in Utrecht, Holland. -France- (344 1/13)
11401 1105 Radio Malibu Int'l: GG: Weird mx, AD for DX magazine, ID, and address in Wuppertal. -Germany- (353 1/27)
11401 1110 Radio DX34-via RWI: EE/GG: Pop music, reception reports read, heard name Steve Willers mentioned. -Germany- (143 1/6) WHO?
Steve George sent a note, that a Radio Stella QSL rec'd on 1/31, says that they will be using 11390 in // w/6320 after mid February. Tnx Steve. BC

NORWAY

Radio Denmark Radio Norway Int'l
9615 *0159 RNI: EE: IS, ID & News. (444 1/26 Brown-IL) (434 Johnson-IL)
9645 0327 RNI/RD: NN: Super Bowl results. RD: @0330. (444 1/29 WW-PQ)
11735 0645 RD: Danish: OM w/ID and talk. (333 2/2 Findlater-CA)
11855 2101 RNI: EE: News, press review & "Tourism". (555 1/14 Wolfson-OH)
11925 0207 RNI: EE: Norway's income tax laws. (444 1/28 Johnson-IL)
15175 *0500 RNI: NN: IS, ID & OM w/talk. Poor. (222 1/13 Findlater-CA)
15230 *1600 RNI: EE: "The World Today" pgm on Iraq. (433 1/12 Thompson-CA)
17725 *1958 RNI: NN: EE IDs & into Norwegian program. (344 1/21 Rocker-FL)
17760 1715 RNI: EE: "Pinpointing People & Places" (544 1/20 Fraser-MA)
Letters to Santa Claus. (444 12/22 Sampson-WI) A,B,C,D..ie
*1730 RD: Danish: //21730; om w/talk. (555 1/14 Findlater-CA)
21705 1912 RNI: EE: "Listeners Corner" w/letters. (444 1/27 Johnson-IL)
21730 *1600 RNI: EE: Norway's oil platforms attacked. (444 1/12 Laglois-FL)
Brief history of "the Throng". (444 1/26 Levison-PA)

POLAND

Radio Polonia
7270 2330 RP: EE: "Some Polish Carols...". (444 12/24 Robinson-TN)
9675 0630 RP: EE: "News abt Poland", "What We Said" (433 1/27 Johnson-IL)

PORTUGAL

Adventist World Radio Radio Free Europe/Liberty Radio Portugal
7165 *0300 RFE: Romanian: "Aici e R. Evropa Libera". (434 1/12 Rocker-FL)
0600 RFE: Romanian: "Radio Europa Libera". (555 1/10 Findlater-CA)
9600 0232 RDP: EE: News & "Getting to Know Portugal" (333 1/10 Brown-IL)
9605 0745 AWR: Yugoslavian: OM w/sermon. Blocked by co-ch WYFR @0800.
(333 1/19 Findlater-CA) Anyone out there have a schedule? BC
9705 0232 RDP: EE: Attack on Israel condemned by PP. (322 1/24 Brown-IL)
9725 0730 RL: ??: "Radio Svoboda"; @0800* (333 1/5 Findlater-CA) RR? -BC
11725 0700 RFE: Bulgarian: "Radio Svobodna Europa" (333 1/24 Findlater-CA)
11825 0135 VOA: EE: (333 2/4 Brown-IL) I hear it too Ed, but it's not on my VOA freq list. Gloria-11825 only 1600 to 2300. Help! -BC
15115 2030 RFE: Bulgarian: "R. Svobodna Europa". (444 1/11 Findlater-CA)
15325 1442 Radio Canada Int'l: Russian: News & commentary about the Gulf. @1459: IS and ID. (222 1/15 Cichorek-NJ) EE at 1545, eh? -BC

VOA Broadcasts from RFE xmtrs in Gloria, Portugal.

6090	0300-0500	Ukra	7190	0300-0400	Russ	11805	1800-1900	Russ
6150	1600-1800	Ukra	7246	1600-1800	Ukra	11825	1600-1800	Ukra
6180	0300-0400	Russ	7270	1800-2000	Russ	11825	1800-2300	Russ
7125	0000-0100	Uzbe	9575	1900-2200	Russ	17835	1500-1600	Arme
7170	1800-1830	Esto	9585	1900-2100	Russ	21625	1200-1400	Russ
7170	1830-1900	Lith	9595	1600-1700	Russ	21625	1400-1500	Uzbe

ROMANIAN

Radio Romania Int'l
5990 *0158 RRI: EE: News, "Documentary Agenda" & "Romanian Literature". (333 1/20 Stine-MD)
7195 2100 RRI: EE: News, comment, "Radio Pictures". (233 1/13 Rocker-FL)
9510 2140 RRI: PP: "Satisfaction" as bridge mx. (444 1/20 Johnson-IL)
11830 0420 RRI: EE: Music, off at 0430*. (222 12/20 Millard-TX)
11940 0421 RRI: EE: Talk about health services. (322 1/10 Carson-OK)
tnx PG

SPAIN Radio Exterior de Espana

9360 0443 REE: SS: OM w/talk, vocal music. (433 1/28 Thompson-CA)
 9580 2104 REE: AA: Long news (all newscasts are interminable!); @2123:
 Station theme mx & ID: "Huna Madrid". (333 1/18 WW-PQ)
 9630 0001 REE: EE: News & "DX Spot". (433 1/13 Brown-IL) (433 Bishop-NY)
 0140 REE: EE: "Hits Around Spain". (433 1/27 Hart-MN) (433 Neff-FL)
 *0458 REE: EE: News & "Sports Round-up". (444 1/28 Johnson-IL)
 11880 *0000 REE: EE: News about the Gulf & "Panorama". (444 1/26 Brown-IL)
 News Program. (544 Gahanan-LA) (555 Fraser-MA) (444 Scott-CA)
 15240 2030 REE: SS: //17890; OM w/talk. Poor. (222 2/4 Findlater-CA)
 17715 0140 REE: SS: YL/OM w/dialog; lively SS mx; 0200* (444 1/11 JF-CA)
 17870 2200 REE: SS: //17845; 2247* (555 2/3 JF-CA) Special Gulf: 07-2145
 11940, 10-2145 17890, 1930-2245 17870, 1930-2330 15110 BC
 21555 1700 REE: SS: //21570; YL & OM w/dialog. (444 1/14 Findlater-CA)

SWEDEN Radio Sweden

6065 2220 RS: EE: Talk about the Baltic republics. (322* 11/19 Prath-FL)
 9695 *0200 RS: EE: //11705; YL w/news. (444 1/10 Findlater-CA)
 11705 *0200 RS: EE: Iceland/Lithuania establish relations. (333 1/24 EB-IL)
 17875 1531 RS: EE: //21500; Full war coverage. (333 1/21 Abbinante-IL)
 21500 1530 RS: EE: "Weekday" (444 1/15 Langlois-FL) (Neff-FL) (Levison-PA)

SWITZERLAND Radio Beijing Red Cross Radio Swiss Radio Int'l

3985 0738 SRI: EE: "Sunday Supplement" w/Bob Zanotti, about Swiss spas.
 Really booming signal. (444 1/13 Westenhaver-PQ)
 6135 0200 SRI: EE: News & "Grapevine". (544 1/7 Woering-MA) (Brown-IL)
 6165 *2000 RBJ: SS: IS, CC/SS ID; preview & world news. (232 1/11 WW-PQ)
 9535 0749 SRI: EE: Taking the arabs seriously. (55544 1/29 Leader-IR)
 9885 0158 SRI: EE: //9650, 6195; Alpine music & nx. (444 1/10 Brown-IL)
 12035 *0310 Red Cross Radio: EE: //9885, 6135, Tue & Fri utc; Their role
 as overseers of the Geneva Convention (454 2/1 Lukas-NY)
 12035 0359 SRI: EE: "Dateline". (433 1/12 Brown-IL) (444 1/13 Carson-OK)
 13635 2125 SRI: EE: 3rd world debt, 700mil francs. (322 1/11 Bishop-NY)
 17830 1539 SRI: EE: "Dateline". Best freq @1530. (323 1/21 Abbinante-IL)
 21630 1530 SRI: EE: Alpine music & "Dateline". FF: @1600. (444 2/1 JC-OK)
 21770 *1710 Red Cross Radio: FF/EE: Horn fanfare-IS, FF-ID, sked & prgm.
 @1718: EE-ID, sked & prgm. Into SRI: in AA: @1730: //9885,
 //11955, 15430, 17830. (121 1/3 Park-HI)

UNITED KINGDOM British Bcasting Corp British Forces Bcasting Svc

3955 2039 BBC: EE: "Meridian": current films. (343 1/12 Westenhaver-PQ)
 2200 BBC: EE: World Svc news & programs. (322 1/7 Bishop-NY)
 7180H 1110 BBC-Hong Kong: JJ: //15280H; nx & science (444 1/27 Fujima-CA)
 7210 0534 BBC-English: Pretty advanced dramatic scene, w/homeowner,
 wife, & furniture mover. (354 1/18 Rocker-FL) (Findlater-CA)
 7325 0135 BBC: EE: "Megamix" (444 1/21 Brown-IL) @1025: "Discovery".
 (242 1/22 WW-PQ) @2115: "Seeing Stars". (454 1/5 Fraser-MA)
 9410 0137 BBC: EE: Pawn brokering rates from 35-70%. (333 1/30 Brown-IL)
 9915 0315 BBC: EE: War injuries vs IRA bomb injuries. (444 1/30 EB-IL)
 11760 1638 BBC(RDI): Bulgarian?: //9770; EE LL: w/OM discussing "Favorite
 Things". nxbrief @1644. (333 1/14 Park-HI) "Pop Words" eh! BC
 12095 1515 BBC: EE: Live House debate. Only freq used. (343 1/15 WW-PQ)
 15070 1138 BBC: EE: Advice on brushing your tongue, & office romances.
 Is there a connection? (444 1/8 Cichorek-NJ) You betcha!
 17695 1335 BFBS: EE: Pop, rock & messages. (432 1/13 Johnson-IL) (Neff-FL)

VATICAN CITY Vatican Radio

6150 0030 VR: FF/EE: //9605; Rx talk, hymns. EE: @0050. (444 1/11 JF-CA)
 6245 1950 VR: Latin: "Rosary" - led by a woman. Is the Pope getting into
 women's lib? (344 1/12 WW-PQ) (433 1/11 Bishop-NY) ex-6248
 7125 2209 VR: EE: Last minute hopes for peace. (333 1/16 Cichorek-NJ)
 7305 2350 VR: PP: Reactions to Gulf war, ID @2355*. (444 1/21 WW-PQ)
 9605 *0050 VR: EE: IS & ID. Pope prays for peace in Gulf. (544 2/4 EB-IL)
 17710 1730 VR: EE: "You are listening to the African service of Vatican
 Radio"; Bible quotes; talk on Iraq. (333 1/20 Abbinante-IL)
 2001 VR: various: 2-3 min news bulletin in EE, FF, SS. "You have just
 heard.. evening edition of radio news". (354 1/21 Rocker-FL)

YUGOSLAVIA Radio Yugoslavia

5955 2200 RY: EE: News & comment on USSR. (344 1/29 Barber-IL) (Prath-FL)
 9620 *0058 RY: EE: //11735(433); World news & comment; "Box 200" letter
 prgm. (433 1/11 Hart-MN) //11735(poof) (444 1/11 Rocker-FL)
 11735 0101 RY: EE: Nx, economic talk & "Weekend mag". (343 1/19 Stine-MD)
 15165 1930 RY: EE: YL w/news. (333 2/3 Findlater-CA)
 21715 1300 RY: EE: News & comment on the Gulf. @1320: cable TV and CNN
 Bcasting in Yugoslavia. (444 2/5 Carson-OK) (444 Sampson-WI) 27



AFRICA

Paul Wakefield Box 188
West Branch, IA 52358

(Dates/Times in UTC - Freq. in kHz - Deadline the 12th)

It's time to break out the wedges, maul, and editing hatchet, for this is the heaviest logging month yet. Carl Huffaker shares excerpts from his African Notebook, Bill Westenhaber chimes in from a frostbitten DXpedition, plus tons of other fine loggings. Let's see, first up is...

ALGERIA

9535 1938 RTV Algerienne: FF/EE: Slow pop mx, Peter Gabriel, W w/anmt in FF, M w/ID & QTH in EE @2000 (333 1/27 Johnson-IL)

ASCENSION ISLAND

It's an Ascension Island party this issue. The BBC was logged on 6005/Brown-IL & Findlater-CA, 6155/Findlater-CA, 7105/Findlater-CA & Brown-IL, 9600/Brown-IL, 11750/Gaharan-LA, 11820/Findlater-CA, 11860/Famularo-JP & Findlater-CA, 15105/Findlater-CA, 15260/Fraser-MA, Brown/IL, Karcheski-MA, Abbinante-IL, Cichorek-NJ, & Findlater-CA, 15390/Brown-IL, 15400 Brown-IL, 17780/Findlater-CA, 17790/Findlater-CA, & 21660/Findlater-CA.

BENIN

4870 2209 ORT du Benin: FF: Afropops (343 1/19 Reese-DE) Whitney Houston, pops (343 1/15 Johnson-IL) @0613 flat-voiced, unemotional ancr on local situation, ID @0620 (232 1/8 Huffaker-MX) EE soul/disco mx, M w/chat & "this day in history" stuff between/over mx, canned GG lesson de DW, @0646 "Vous ecoutez la radiodiffusion du Benin (343 1/13 Westenhaber-PQ)
5025 0550 ORTB-Parakou: FF/VN: Mx in VN, ID in FF, more mx, tik (444 12/17 Karcheski-MA) [Another fine catch, Walter! - ed.]

BOTSWANA

7255 0258* R. Botswana: EE/VN: Farm animal IS to s/on, NA, anmts in local lang & EE, gave entire sked (FM & all), but ancr talked too fast (333 1/14 Rocker-FL)

BURKINA FASO

4815 0529 RTV Burkina: FF: NA, ID "...radiodiffusion nationale de Burkina", into tik (344 1/2 Rocker-FL) EE pop mx, ancd "National" & "Burkina Faso" @0655 (433 1/2 Huffaker-MX) Nx, promos & ads (Nestea coffee), ID (232 2/7 Carson-OK)

CAMEROON

4750 2218 CRTV Bertoua: EE/FF/VN: Extensive pgm on Gulf crisis w/portions in EE, then VN- netwok special presumed, as was //4/9b, 4850, 5010 (242 1/15 Johnson-IL)
4795 2208 CRTV-Douala: EE: M w/nx on Gulf deadline (321 1/7 Bishop-NY) EE network nx feed until 2115, carried on 4850 & 5010, @2116 stations returned to own prg in FF (252 1/6 D'Angelo-PA)
4850 0538 CRTV-Yaounde: FF: Tik w/short mx breaks, "Nationale" ID by W @0547, //weaker 5010 (333 1/9 Huffaker-MX) Good light mx, ID (444 1/1 Babin-MA) @2240 funk mx (343 1/26 Johnson-IL)
5010 0536 CRTV-Garoua: FF: Nx about mideast, EE country mx, ID @0544, local mx (333 1/8 Huffaker-MX)

CENTRAL AFRICAN REPUBLIC

5035 0511 RTV Centrafricaine: FF: Local mx, Cuban version of the Peanut Vendor, nx about Haiti, ID @0526 (333 1/8 Huffaker-MX) @2111 Hilife, ID @2128, into more Afro vocals (242 1/21 Cichorek-NJ) Nice soft jazz pgm (343 1/15 Johnson-IL)

CHAD

4904.6 0445 RN Tchadienne: FF: FF & African mx, M ID "Radiodiffusion Tchadienne" (444 1/1 Babin-MA) @*0430 Xylo IS, NA by band, drums, then hilife (222 1/9 Findlater-CA) Hilife w/break-in anmts, reference to N'djamena (333 1/1 Huffaker-MX)

- CONGO
4765 2204 RTV Congolaise: FF: Sleepy Lam mx, M amnt w/ments
"Congolaise", then into hilife (343 12/30 Johnson-IL)
- COTE D'IVOIRE
11920 2308 RTV Ivoirienne: FF: EE pop vocals, rap song, anc in FF (333
1/21 Cichorek-NJ) Nx in FF, amnt "Ivoire R." (323 12/30
Babin-MA) Rock & pop mx, phone-in segment to M DJ (444 1/6
Karcheski-MA)
- EGYPT
9475 0157 R. Cairo: EE: Middle-eastern instrumental mx, ID, freqs, pgm
notes, more M-E mx (333 1/30 Brown-IL)
9670 2145 R. Cairo(p): AA: Mx- exotic strings, M chanting/singing
(444 1/20 Johnson-IL)
9900 2200 R. Cairo: EE: ID, mx, pgm notes (433 2/2 Brown-IL) @1930 in
GG: W tlc, ID, AA mx (333 1/10 Findlater-CA)
9940 2025 R. Cairo: AA: W w/AA vocal, @2030 Westminster, chimes, W w/ID
& nx- per WRTH this is 2000-2100 bcst to Australia, het on
freq (333 1/18 Westenhaver-PQ)
12050 2230 R. Cairo: AA: Mx & tlc (333 12/30 Millard-TX) M w/countless
ments of Iraq, occ ment Hussein (333 1/17 Abbinante-IL) AA
mx, ments of Amman, Kuwait, Iraq (555 1/18 Tröschler-PA)
- EQUATORIAL GUINEA
4925.7 2155 RN de Guinea Ecuatorial-Bata: SS: "RN" ID @tune-in, brief
Afro vocal, NA, 2201* (fr 1/6 Famularo-JP) M tlc in SS to
2200, then very long NA to 2204* (343 12/30 Johnson-IL) New
Years pgm, ID as "Nacional de Bata" & "Nacional"- "Bata" is
SS for robe, dressing gown, etc, the typical costume in Bata
(333 1/1 Huffaker-MX)
5003.6 2002 RN de Guinea Ecuatorial-Bata: VN/SS: M w/VN amnt, Afropop
piece, @2008 W w/SS amnt, chime, & "RN Bata" ID, then long
Afropop set- really fantastic signal! @2000 of Beverage
will do that- ed.] (444 1/12 Westenhaver-PQ) Guitar mx &
vocals, @2136 M w/long tlc & "Nacionais", @2149 SS vocals
(232 1/21 Cichorek-NJ)
- ETHIOPIA
9560 1500 VO Ethiopia: EE: Tlc & mx w/nx @1530 (212 1/23 Bagozzi-CA)
9706.4 0352 VO Ethiopia(p): AH: Open carrier to 0358, brief nifty inst
theme, couple M amnts w/ments Ethiopia, three slow chimes,
then M tlc- //stronger 7110 (232 1/13 Westenhaver-PQ)
- GABON
4890 0530 RFI: FF: Nx & cmt on Gulf crisis (322 1/16 Scott-CA) M & W
tlc, mx, ID @0500 (433 1/5 Huffaker-MX) M & W tlc- poor (222
1/9 Findlater-CA)
11735 2342 RJ: EE: Lack of blue-collar workers in Japan, report on
"exam hell" (444 1/26 Brown-IL)
12035 2230 SRI: PP: W w/nx (333 1/11 Findlater-CA)
15210 0000 RJ: JJ: M w/nx, suffocated by WYFR on one side & VOA on the
other (just thinking about it gives me nightmares- ed.) (222
1/20 Findlater-CA)
15355 0500 RJ: II/JJ: II/JJ language lesson (444 1/14 Findlater-CA)
17630 1549 ANO: FF: Afropops w/M, W DJs, ID, nx, (232 1/21 Abbinante-IL)
21700 1730 RJ: EE: Interview w/UN official (444 1/14 Findlater-CA)
21750 1116 RJ: EE: ID & freqs, business news (poor+ 1/9 Famularo-JP)
- GHANA
3366 2242 GBC-2: EE: Pop mx "Rock Around the Clock", nx @2245 (352 2/3
Reese-DE) Nx item on forest management (242 1/15 Johnson-IL)
4915 2255 GBC-1: EE: Nx by W, local mx, prayer in VN, choral NA, 2305*
(544 1/21 Evans-1N) Drums, "you have been listening to..."
into VN @2230 (321 1/7 Bishop-NY) Nx- Liberia, Gulf crisis
(323 1/21 Abbinante-IL) M in VN, choral mx, EE ID @2159 (343
2/2 Cichorek-NJ) @0540 African mx, drumming- very striking
(no pun intended!) (233 1/16 Scott-CA) W reading a msg from
some "chairman" in the Ghanaian govt (444 1/2 Rocker-FL) IS,
ID, nx by M & W team (343 1/27 Johnson-IL) Nx, ID & IS
@0614, into VN (343 1/1 Huffaker-MX)

GUINEA
 4900 2237 RTV Guineene: FF: M tik w/pieces of African-style xylophone bridge mx (242 1/15 Johnson-IL)

KENYA
 4935 0300 VO Kenya: EE: M w/nx- poor (222 1/31 Findlater-CA)

LESOTHO
 3255 0345 BBC: EE: Prg "Postmark Africa" (343 1/13 Westenhaver-PQ)
 4800 0300 LNBS: Sets: Nx, African choir, drum mx (333 1/1 Babin-MA)
 Tik w/short breaks of brassy mx, ID (343 1/5 Huffaker-MX)

LIBERIA
 6035 0445 VOA: EE: Xmas tree farming (555 1/5 Findlater-CA)
 7275 *0758 ELBC: EE: Carrier, pres NA, M w/slow ID "Good morning, this is ELBC", W w/prayer, then mx pgm (242 1/3 D'Angelo-PA)

LIBYA
 15418 1625 R. Jamahiriya: AA: AA mx to 1630, brief tik by M & W into long carrier (444 1/12 Thompson-CA)

MADAGASCAR
 15570 1722 RN: EE: Nx, Glenn Campbell w/"Try a Little Kindness", prg "Over to You", QTH/freq; s/off (554 1/12 Thompson-CA)
 17575 1440 RN: EE: Economic impact of Gulf war (333 1/25 Rocker-FL)

MALI
 4783 0626 RTV Malienne: FF: Long tik by M who sounded bored & speaking down (as to children) //4835 (322 1/2 Huffaker-MX) M singing trad African mx w/drum (343 1/22 Johnson-IL)
 4835 0618 RTV Malienne: FF: Native instrument & drum mx, then hilife that sounded like monkeys (333 1/1 Huffaker-MX)
 11715 0301 RE: EE: Economic predictions, upgrading of communications system, bar examinations (444 1/23 Levison-PA) "Current Affairs"- Silk Road traced by modern travelers (554 1/11 Fraser-MA) Fighting in Somalia, call to carry out five-year plan (444 1/11 Brown-IL) @0200 in CC: ID, tik & CC mx (444 1/10 Findlater-CA)

MAURITANIA
 4845 2248 RTV Mauritanie: AA: AA mx, ID, Gulf war nx (433 1/21 Evans-TN) AA vocals w/flute & drum accomp (333 1/15 Johnson-IL) @0631 Prayers, then AA mx (444 1/23 Babin-MA) Qu'ran, guitar mx (443 1/12 Reese-DE) Guitar mx to 0711, then recitations w/violin-like mx & vocals (544 1/1 Huffaker-MX)

MOROCCO
 6095 0600 VOA: EE: ID, M w/nx (333 1/5 Findlater-CA)
 6150 0730 VOA: AA: M tik to 0800* (333 1/18 Findlater-CA)
 9575 0745 R. Medi One: FF: AA mx, vocals (333 1/10 Findlater-CA)
 11710 0530 VOA: HG: M w/nx (333 1/29 Findlater-CA)
 17595 1545 RTV Marocaine: FF: W tik in FF, then into pop mx (333 1/12 Langlois-FL) @1425 in AA: M w/Qu'ran, anthem mx @1428, then high-pitched beep tone @1430 (232 1/17 Abbinante-IL)

NAMIBIA
 3290 0200 NBC: EE: Ancr w/pop mx (222 1/10 Findlater-CA)

NIGER
 5020 0610 LV du Sahel: FF: Local mx w/anmts, ID @0615 (433 1/2 Huffaker-MX) African tribal mx (333 1/23 Babin-MA) VN mx, call-in remotes (322 1/7 Karcheski-MA)

NIGERIA
 4770 0457 RN-Kaduna: EE: Soul mx, @0500 W w/ID, into Nigerian & world nx (444 1/13 Westenhaver-PQ) Nigerian events, political cmtly (334 1/14 Johnson-IL) Long political tik on party reform, full of platitudes & rather boring (433 1/1 Huffaker-MX)
 4990 2237 RN-Lagos: EE: Political cmtly, piano mx (242 1/15 Johnson-IL)
 6025 2048 RN-Enugu: VN/EE: Western mx, M tik in VN, @2100 pips, nx-wiped out by QRM by 2109 (322 12/28 Karcheski-MA)

7255 0456 VON: EE: Drums, nx of Gulf war (322 1/17 Hart-MN) M reading nx (323 1/10 Gaharan-LA) IS, NA, ID, "Good Morning" (333 2/5 Brown-IL) @2041 Nigerian nx, sports. s/off routine @2055, into FF @2100 (444 1/6 D'Angelo-PA)

RWANDA

7225 0442 DW: EE: Civil unrest in Mali, ID/skcd for next (*0900) bcst to EAfr, FF site ID, 0450* (232 1/24 Westenhaver-PQ)

SEYCHELLES

11730 0302 BBC: EE/SH?: EE by Radio lesson, primary lang sounded like SH (454 1/22 Rocker-FL)
 11915 1900 FEBA: AA: M w/sermon, 1945* (444 1/12 Findlater-CA)w
 15250 0428 FEBA: OR: W w/strange song, M w/QTH for "Christian Witness" in Nairobi, 1xIS, 0431* (343 1/13 Westenhaver-PQ)
 15325 0432 FEBA: AA: Non-stop preaching in Christian style, @0444 closing prg anmt w/Baroque theme mx, closing w/skcd & Beirut QTH, 1xIS, 0445* (344 1/13 Westenhaver-PQ)

SIERRA LEONE

3316 0711 SLBC: EE/?: M & W tik, ID @0730 (242 1/4 Huffaker-MX)

SOUTH AFRICA

3215 0339 R. Orange: AK: EE country mx, ID @0340 (333 1/5 Huffaker-MX) Ancr w/pop mx (333 1/10 Findlater-CA)
 3320 0029 R. Orion: EE/AK: Mx by Anne Murray, EE/AK ID, EE DJ chat (232 1/13 Westenhaver-PQ) EZL, chamber mx (242 1/15 Johnson-IL) ID, M w/nx (333 1/10 Findlater CA) ID, accordian mx (444 1/5 Huffaker-MX)
 4810 0338 R. Suid-Afrika: AK/EE: Political nx, big-band mx, pipe & ID @0400 (232 1/8 Huffaker-MX) ID, pops (333 1/10 Findlater-CA)
 7270 0359 R. RSA: EE: ID, nx- war will take months (333 1/24 Brown-IL)
 9665 0400 SABC: AK: M w/nx (444 1/13 Findlater-CA)
 11900 0400 R. RSA: EE: Nx- Gulf deadline, approaches (333 1/14 Brown-IL)
 11925 0456 R. RSA: EE/PP: EE ID, NA, into PP pgm (444 1/27 Carson-OK)
 15270 1630 R. RSA: EE: ID, "Yours & Mine", nx (343 1/11 Ahimori-JP)
 15365 1900 R. RSA: FF: Light classical mx (333 1/11 Findlater-CA)
 17745 1843 R. RSA: FF: Disc by M & W, @1848 ID (333 1/11 Cichorek-NJ)
 17790 1747 R. RSA: Dates in history, nx items (343 11/27 Cichoerk-NJ)

SWAZILAND

3240 0332 TWR: Shona: Really neat a capella hymns non-stop to 0343, M w/Harare QTH, mx bridge, ID "TWR Swaziland", IS, 0345* (333 1/13 Westenhaver-PQ)
 4760 *1745 TWR: PP: IS, rlg mx, under QRM (pr 1/21 Famularo-JP)
 9600 1813 TWR: EE: Long sermon by accented preacher, QTH, ID (fr-gd 1/21 Famularo-JP)

TOGO

5047 2340 RIV Togolaise: FF: Pop mx by soit-spoken M, nx headlines, freqs/skcd/ID/NA, 0002* (333 2/3 Evans-TN) Hilife, ID & chime IS @2259 (232 1/1 Huffaker-MX)

TUNISIA

7475 2206 RTV Tunisienne: AA: Nx w/ments of Saddam, occ exotic mx (333 1/17 Abbinante-IL) Cont chanting (444 1/21 Findlater-CA)
 12005 2149 RTV Tunisienne: AA: Operatic mx, "Huna lune-e-sah", //better 7475 (343 1/21 Abbinante-JL)
 17500 1455 RTV Tunisia: AA: Mx to 1500, ID, then pres nx, //15450- move from 17610? (454 1/25 Rocker-FL)

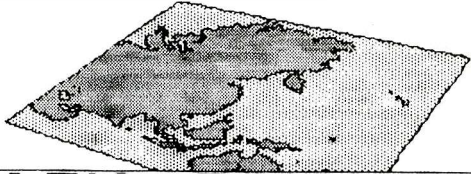
UGANDA

4976 2045 RU: EE: Mostly rock mx w/tlk to 2058 ID, s/off anmts, then a brief orch selection (NA?), 2101* (252 1/6 D'Angelo-PA)

ZAMBIA

4910 0410 RZ: VN: W DJ w/Afropops, poor (222 1/10 Findlater-CA)

Schedule info : R. RSA's current EE schedule is as follows: 0400-0500 on 7270 & 11900, 1100-1200 on 9555, 11805, 11900, & 17835, 1500-1800 on 7230 & 15270, and 1700-1800 on 17790 (tnx to John Carson-OK). And thanks to all for another great turnout, see you in April.



ASIA/OCEANIA

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H2X 2C1

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

I'm typing this column on February 15, the day when Iraq issued what seemed to be their first tentative peace feeler. No one else seemed to think much of it, though, so who knows what will happen. Speaking of Iraq, I'd better correct an awful typo which crept into the February column: The Iraq loggings at the top of the third page were actually heard on 13660, and not the listed 11830. Thanks to "Unca Donald" Thornton for pointing this out! Oh well--on to the loggings!

AFGHANISTAN

Radio Afghanistan

4940 1322 RA: ??: Continuous Asian mx (232 1/13 Johnson-IL) (Tim, the 1991 WRTM list URDU in this time slot.-ed.)

AUSTRALIA

VLM Brisbane

Radio Australia

VLW Wanneroo

4920 1200 VLM4: EE: Nx/wx--31°C in Alice Springs tomorrow ("So what are we still doing here in the middle of a New England snow-storm?") (454 2/8 Washburn-ME) (Turning blue, I guess.-ed.) @ 1300 w/ABC nx--abruptly off 1305--presume technical difficulties (242 1/24 Johnson-IL)

7240 0940 RA: TOK PISIN: PNG current affairs rpts; WRTM lists this via Brandon site; //99710 (Shepparton) was 343 (242 1/22 ed.)

9580 1215 RA: EE: "International Report" (444 1/26 Brown-IL)

9770 1323 RA: EE: Sports w/rpts on Australian Open/cricket test match (444 1/26 Brown-IL)

11720 1415 RA: EE: "International Report"; //9580 (343 1/29 Rocker-FL)

13605 1253 RA: CC: End of w tlk; light mx; @ 1255 M sked anmt w/CC/EE ID's; "Waltzing Matilda" to 1300; then ID's/nx (343 2/3 ed.)

13705 2110 RA: EE: M vocals w/ancr comments; just about unreadable acct high QRN level (222 1/11 Levison-PA)

13745 1600 RA: EE: "Int'l Rpt" w/item on Australia's part in "Desert Shield" (343 1/22 Lukas-NY) @ 1615 w/rpt on lead-up to Gulf war; //11800 was poor (322 1/15 Cichorek-NJ)

15160 2232 RA: EE: Mx of RA; nx on the hour (444 1/13 Levison-PA)

15425 0700 VLW15: EE: M w/ABC nx (333 1/18 Findlater-CA)

17630 0048 RA: EE: Tlk abt "bush rangers" as Aussie folk heroes (333 1/19 Cichorek-NJ) @ 1505 w/world nx; //9580; P.J.B.R. doesn't list them at this time (222 1/22 Rocker-FL)

21740 0030 RA: EE: M/w pop mx (333 1/9 Langlois-FL)

25750 0800 RA: EE: ID; "Int'l Rpt"; sports; test xmsn for Mideast 0800-1100 daily since ??? (333 1/26 Ashimori-JAPAN) (They're now also on this frq 1430-1530 w"Gulf Links" px.-ed.)

BANGLADESH

Radio Bangladesh

17750nf *1230 RB: EE: ID/frqs (ann 15200 but not hrd); W w/Gulf war nx (fair 1/21 Famularo-JAPAN) (There was a rpt on the 2/14 "Media Network" that the 19mb frq is now 15647.-ed.)

CHINA

Central People's Bcst Stn

Radio Beijing

3280 1124 VO FUJIANG: CC: Inst mx w/w ancr (222 1/31 Keese-DE)

4865 *1153 VO JINLING: CC: Instrumentals to 1155 s/on anmts by M/W; brief tlk and lcl mx; @ 1200 TP/ID/w nx; apparent move from 4875; deep fades (252 1/11 D'Angelo-PA)

4875 1141 VO JINLING: CC: Soft inst mx; @ 1155 M/W ID/frq anmt; violin mx; @ 1200 TP/ID/(p)nx (343 2/5 Cichorek-NJ)

4877 1230 VO JINLING: CC: Hrd every morning w/orchestral mx; usually w/w ancr (444 2/9 Washburn-ME) (The Las Vegas bookies are giving 8 to 5 odds that they'll be up to 4880 by the time you read this!-ed.) (More China....)

CHINA continued....

11500 2015 RB: EE: Inst mx; W ID; economic statistics; //9920 was poor
(222 1/11 Cichorek-NJ)
17755 *0100 RB: SS: IS; CC/SS ID's; into px (353 1/23 Rocker-FL)

COOK ISLANDS

Radio Cook Islands

11760.7 0800 (t)RCI: MAORI?: W nx incl ment Solomon Islands; strange mx/
tlk; no ID hrd but think it was them (343 1/6 Johnson-IL)

FRENCH POLYNESIA

HFO Tahiti

11826.8 0810 HFO: TAHITIAN: "'Hey lana Nookie Nookie revisited'...yup,
Island mx again" (232 1/27 Johnson-IL) on 11827.0 @ 0806
w/those fun lcl vcls; //15170.7 (232 2/9 ed.)
15171 0720 HFO: TAHITIAN: "Nashville meets Paradise--'Yellow Rose of
'Texas' done Island style" (343 2/1 Johnson-IL)

GUAM

KSDA KTRR

11980 1638 KSDA: EE: 2 M DX skeds; Hong Kong QTH; gospel mx/Bible study
from II Samuel (333 1/26 Thompson-CA) (Hi, Peggy!-ed.)
15200 0800 KTRR: EE: "Unshackled" rlg drama (333 2/3 Findlater-CA)
15225 0800 KSDA: CC: M religious tlk (333 2/3 Findlater-CA)
15310 2115 KSDA: JJ: 2 M drama; inspirational songs w/W anmts before
cuts; @ 2126 W "KSDA" ID (343 2/7 ed.)
15420 2200 KTRR: IN: M religious tlk (333 2/5 Findlater-CA)
15485 2058 KTRR: JJ: IS to 2100; theme mx; M ID "Kochirawa KTRR Agana"/
anmt; @ 2104 into W tlk (333 2/7 ed.)
15610 2345 KSDA: EE: W tlk abt US diet/vegetarianism/mortality rates; @
2359 ID/address (242 1/11 Cichorek-NJ)

HONG KONG

BBC relay

7180 0901 BBC: EE: Nx of British citizens being evacuated from Moga-
dshu (343 1/6 Wakefield-IA)
11945 2259 BBC: EE: After RCI s/off, noted WS w/TC/ID; into world nx @
2300 (232 D'Angelo-PA)
17830 0038 BBC: EE: Explanation of workings of kidneys/digestive system;
abruptly off 0045 (434 1/3 Levison-PA) (Harold, this should
have been their EE by Radio, which normally goes off then.)
21715 0130 BBC: EE: W reading a story (444 1/26 Findlater-CA) @ 0209 w/
ID; British press review; a bit fluttery but nice (343 1/13 ed.)

INDIA

All India Radio

4860 1310 AIR DELHI: HINDI: Sitar/drum mx; W and M vocals (333 1/13
Johnson-IL)
7412 2146 AIR: EE: M/W songs in vern; @ 2200 ID/M nx (444 1/4 Wolfson-
OH) @ 2127 w/M reading Indian classics; ID @ 2131 and into
subcontinent vcls; //11620 (433 1/12 Cichorek-NJ)
9565 1345 AIR: EE: Cmty; px notes; "UN News Magazine" (444 1/12 Brown-IL)
11620 1938 AIR: EE: Tlk abt deforestation/alternative energy sources
(333 1/2 Hart-MN) @ 2150 w/cmty on Gulf war; slow lcl pops;
ID @ 2200; better than //9910 (333 1/26 Evans-TN) @ 2130 w/
rpt on poor performance of public services (353 1/13 Fraser-
MA) (Also logged by Abbinante-IL, Johnson-IL)
11715 2205 AIR: EE: World nx; cmty on events in Indian Parliament; ID as
GOS; //11620 was booming in (222 1/13 Rocker-FL)

INDONESIA

Radio Republik Indonesia

3385 1156 RRI KUPANG: IN: W ID; light inst mx; mixing w/R. East New
Britain on same frq (232 1/29 Reese-DE)
3395 1150 RRI TANJUNGPANG: IN: M ancor w/px of drum mx and some mx
similar to Hawaiian mx (242 1/31 Reese-DE) (Orla was using
a 1000-foot beverage, heading 350°, to get these.-ed.)
4789.7 1331 (p)RRI FAK FAK: IN: Indopops and IN covers of Australian pops
(e.g. BeeGees); 1355* (242 1/30 Johnson-IL) (Hope "Stayin'
Alive" sounds better in IN than it does in EE!!-ed.)

IRAN

Voice of the Islamic Republic of Iran

9022 2302 VOIRI: FARSI: Continuous inst/vocal mx; 15084 not hrd (232
1/21 Abbinante-IL) @ 0426 w/(p)nx; mx; ID/frqs (423 1/24
Frescher-PA) @ 0154 in SS w/M nx; ID @ 0201 (443 1/4 Wolfson-
OH) @ 0610 w/tlk abt Gulf war; lcl mx (343 1/26 Johnson-IL)
@ 1959 in EE w/"The Happy Programme, Listeners' Corner"
(333 1/11 Cichorek-NJ)

IRAQ Radio Baghdad Mother of Battles Radio

11810 1412 RB: AA: M ancr taking phone calls--many people sounding quite hyper; many ments Saddam Hussein/Iraq/Saudi Arabia; Mideast mx bridges (343 1/17 Abbinante-IL) (Note that R. Jordan has also used this frq, too, so be careful.-ed.)

11830 2254 (p)RB: AA: AA mx; Gulf war nx incl Scud missile attack on Israel; more mx; no ID hrd (422 1/19 Johnson-IL)

13660 2100 RB: EE: M ID/sked; nx; then AA mx (333 1/9 Langlois-FL) (Note that virtually no EE has been heard from RB since the war started.-ed.) @ 1610 in AA w/W nx abt Gulf; abruptly off in mid-sentence @ 1614 (233 1/20 Scott-CA) @ 1550 w/M ancr and AA mx; tolling bell @ 1600 (232 1/22 Johnson-IL)

15600 2243 MOBR?: AA: Frantic, rapid M tlk; chanting; M tlk w/ments Iraq/Mohammed/Saddam (333 2/2 Cichorek-NJ)

17940 1808 RB: AA: W vocal; @ 1809 ID and tlk ment Bush/Hiroshima; @ 1813 another ID and inst mx (433 1/27 Cichorek-NJ) (There was a rpt on the 1/31 "Media Network," from BBC M, that the station did not use the name "Mother of Battles R." on 1/27, though they did on 1/26, and for some days after 1/28.-ed.)

ISRAEL Kol Israel Israel Home Service

7415 0500 KI: EE: ID; W mx of latest Scud missile attack w/on-the-spot Rpt from Alan Ben-Ami; wonder if this is spur from very strong 7465? (242 2/9 ed.)

7435 0201 KI: EE: Nx of Bush's meeting w/Jewish groups (333 1/31 Brown-IL) (Wonder if this was a punch-up error?-ed.)

7465 0220 KI: EE: "Calling All Listeners" (545 1/7 Woering-MA) @ 2230 w/nx of US Patriot missiles in Israel (434 1/21 Barber-IL) (welcome to the column, C.L.-ed.) @ 0115 w/anmt that "gas masks should be removed, but remain in sealed rooms"; HS relay? (444 1/18 Rocker-FL) (Actually, I think it's a normally Ext Sce px also relayed on HS.-ed.) @ 2234 w/long war rpts (333 1/17 Abbinante-IL) @ 0043 in FF w/rpt on Israel's position vis-à-vis its neighbours; FF was hrd in the 0030-0100 time slot for a few weeks after war broke out, but at time of writing they've gone back to a HH Ext Sce px.-ed.)

7485.1 0433 IHS: HH: Pleasant light HH vcls; M host chat alone or w/other M; this frq off abruptly 0455*, but //9355 and 9388 stayed on (343 2/9 ed.)

9388 0205 IHS: HH: EZL/soft HH pop vocals (433 2/5 Johnson-IL) @ 0130 w/phoned-in mx requests; KI ID @ 0137 (444 1/19 Cichorek-NJ) (I've used the name "Israel Home Service" here, since KI's HS and Galei Zahal (the IDF station) merged at the beginning of the war, and I'm not sure of what the official name of the merged service is. Apparently, both KI and Galei Zahal ID's have been heard on air.-ed.)

9435 0100 KI: EE: Rpt while first Scud missile attack was taking place w/live civil defense warnings (343 1/18 Hart-MN) (The ancr, Yishai Eldar, handled himself admirably, through what must have been just about the most stressful conditions imaginable.-ed.) @ 0208 w/W nx; M tlk on Israel's response to attack (343 1/23 Thompson-CA) @ 0210 w/rpt on missile attack procedures at Intel factory (454 1/27 Neff-FL) (Also in EE, w/px abt war, by Trescher-PA, Scott-CA, Johnson-IL, Findlater-CA, Cichorek-NJ, Brown-IL, Abbinante-IL. However...) @ 0221 w/letter from NJ SPEEDX'er Max Gruenberg (453 2/11 Janusz-NJ)

11588 1955 IHS: HH: Air raid siren--but was false alarm; the "all clear" came @ 1958 (454 1/24 Lukas-NY)

11605 0101 KI: EE: Civil defense warnings during the first missile attack (333 1/18 Millard-IX) (welcome to the column, Thomas!-ed.) @ 0200 w/similar px (433 1/18 Bishop-NY) @ 0100 w/cmty on Iraq attack (444 1/26 Langlois-FL) @ 0200 w/rpt that PM Shamir says retaliation against Iraq is imminent (345 1/28 Rutman-FL) (Welcome to the column, David!-ed.) @ 2022 w/nx of delegation from Prague expressing solidarity for Israel (544 2/4 Leader-IRELAND) (Recently, this frq has been varying downwards, to abt 11603½ kHz, to avoid ut QR.-ed.)

17545 0758 IHS: HH: Mx; @ 0800 TP/ID/location rpt from site of 2nd Scud missile attack on Tel Aviv (pr-fr 1/19 Famularo-JAPAN)

17575 2230 KI: EE: Nx of arrival of Patriot missiles/crews in Israel; // 11605 9435 7465 (343 1/19 Prath-FL)

(Not enough room to start Japan here, so I'll take this space to thank Our Esteemed Publisher--who needs no introduction, I'm sure--for allotting an extra page to A/O this month, given the circumstances. For that thoughtful gesture, I promise to root for the Red Sox for two, or even three, weeks.-ed.)

JAPAN Radio Japan Radio Tanpa RCI relay

5905 1555 RJ: EE: World/Japanese nx; switched over to JJ @ 1600 (344 1/20 Scott-CA)

6055 0900 RT: JJ/EE: EE lesson teaching lyrics to M.C. Hammer's "We've Got to Pray Just to Make It Today" ("Bust your brain! got considerable comment. This is cultural exchange?") (343 1/21 Scott-CA) (At least they weren't showing the video!-ed.)

9505 1520 RJ: EE: "Japan Scene" on Japanese dances (554 1/26 Thompson-CA)

11705 2230 RCI: FF: M tlk (nx?) (333 1/13 Findlater-CA)

17785 2358 RJ: IN: M tlk; "Inilah Radio Jepang" ID and brief mx; then off (322 1/15 Cichorek-NJ)

17810 2345 RJ: EE: Feature on rail travel in Japan (333 1/9 Gaharan-LA)

JORDAN Radio Jordan

9560 2140 RJ: AA: Presumed drama w/boistrous crowds/mx/M tlk (333 1/17 Abbinante-IL) @ 2135 w/AA vcls; phone-ins; ments Amman; ID @ 2200 (434 1/21 Cichorek-NJ) @ 0150 w/"Huna Amman" ID; then unusually beautiful AA string mx (455 1/22 Johnson-IL)

11810 2105 RJ: AA: W narrating play--battle scenes w/neighing horses and cries of "Jihad" (333 1/23 Johnson-IL) @ 1400 w/ID; (p) nx (444 1/29 Rucker-FL)

11940 0525 RJ: AA: Tlk abt Gulf war (433 1/29 Millard-TX) @ 0700 w/ID; mix of mx and phone-ins; //11810 11955 (444 1/22 Johnson-IL)

11955 0400 RJ: AA: M tlk; AA vcls; some chanting (333 1/12 Findlater-CA)

KOREA, D. P. R. Pyongyang Best Stn Radio Pyongyang

3320 1322 (p)PBS: KK: W tlk and opera mx; weak signal (242 1/14 Johnson)

3400nf? 1710 PBS: KK: W tlk on reunification; mx de revolutionary opera; //3250 3320 6250 6400 (232 1/26 Ashimori-JAPAN)

5538nf 0900 RP: JJ: Nx/mx/comment through to 1450* (343 1/15 Ashimori-JP) (Tsunaaki-san thinks that this is a feeder--sked is *0900-1050*, *1100-1250*, *1300-1450* in JJ; *1500-1550* in RH; *1600-1650* in FF.) (He also corrects a typo of mine in the January column--6250 kHz in KK was actually PBS, and not RP. Sorry for the mistake!-ed.)

(RP was also logged as follows: 11335 in CC by Findlater-CA, in SS by Rucker-FL; 13650 in EE by Cichorek-NJ, Gaharan-LA; 15180 in EE by Findlater-CA; 15340 in EE by Findlater-CA.)

KOREA, REPUBLIC OF Korean Best System Radio Korea

6255 1337 KBS: KK: Social Education px w/US pop mx; M tlk; KK folk mx; //7972 6015 (343 1/29 Ashimori-JAPAN) (The 1991 WRTH calls this the "Liberty" px....-ed.)

(BK was logged as follows: 9750 in EE by Robinson-TN; 15575 in PP by Bishop-NY, in EE by Brown-IL, Stine-MD--welcome to the column, Mike!-ed.)

KUWAIT Radio Baghdad relay Mother of Battles Radio relay

11990 2110 RB: AA/EE: M AA tlk and lcl mx; after 2130 ran interview of US POW Zaun; //17940 (433 1/24 Johnson-IL)

15600 0732 MOBR: AA: Presumed nx w/ments America/Israel/Iraq/Czechoslovakia; off abruptly 0748* and hasn't been back on since (444 2/3 Johnson-IL) (I'm not 100% sure of the site on this.-ed.)

LEBANON King of Hope Voice of Lebanon

6280 2152 KOH: BL: "Insight for Living"; ID/frq/addresses in US/London/Cyprus; WA: 2159* (444 1/1 Karcheski-MA) @ 2141 w/almost identical px (322 1/21 Bishop-NY)

6549.6 0517 (t)VOL: AA: Mix of tlk/mx; many ments Iraq/Israel (232 1/18 Rucker-FL)

MARIANA ISLANDS KHBI KFPS

9475nf 1256 KHBI: EE: American Public Radio's "Early Edition"; IS/ID; px notes/nx; ute QRM on high side (fr-gd 1/21 Famularo-JP)

13625 2128 KHBI: ID; @ 2130 CSM mx by M (433 1/11 Bishop-NY)

15320 2200 KFPS: IN: M religious sermon w/running EE translation (444 1/19 Findlater-CA) (Or the other way around?-ed.)

17865 0300 KHBI: EE: ID; M nx; rlg tlks; 0357* (444 1/26 Findlater-CA)

NEW ZEALAND Radio New Zealand International

9700 0750 RNZI: EE: Mx; world nx; wx; lcl PC's (334 1/22 Johnston-NY) (welcome to the column!-ed.) @ 0900 w/nx/"Checkpoint" (443 2/7 Lemke-AB) @ 0837 w/NZ Jewish community reaction to Gulf war (434 1/21 Millard-TX) (Also by Hart-MN) (More....)

NEW ZEALAND continued...

15130 *1755 RNZI: EE: Bellbird IS; brief Maori chant; w ID as Pacific
 Scce of RNZI (fr-gd 1/21 Famularo-JAPAN)
 17675 0200 RNZI: EE: Sports w/2 M ancrs; then piano mx (545 1/3
 Robinson-TN) @ 0030 w/tennis match (555 1/11 Findlater-CA)
 17770nf 0300 RNZI: EE: Interview w/MD on handling stress (555 1/13
 Findlater-CA) @ 0305 w/usual mix of nx/features (355 1/14
 Rucker-FL) @ 0358 w/Sri Lanka vs NZ cricket match (444
 1/31 Brown-IL) (This replaces 17675.-ed.)

OMAN

Radio Oman BBC relay

11890 1825 RO: AA: M tlk w/several ments "Omani"; tlk abt President
 Mubarak; AA mx (343 1/20 Johnson-IL)
 15310 1605 BBC: EE: Gulf war nx (343 1/22 Johnson-IL)

PAKISTAN

Radio Pakistan

9644.7 1134 RP: URDU: HS w/subcont mx; (p)px promo; 2 M tlk ment Islama-
 bad; weird electronic subcontinent mx/vcl; @ 1200 TP/ID/M
 nx; slightly distorted audio (fair 1/9 Famularo-JAPAN)
 11570 1745 RP: EE: Subcontinent mx w/M ancr; ID; lousy modulation; this
 is European Scce (453 1/1 Babin-MA)
 17555 1625 RP: EE: Tlk abt travellers cheques/credit cards; many ments
 Pakistan (343 1/22 Johnson-IL)

PAPUA NEW GUINEA

4890 1319 NBC PORT MORESBY: EE: W ancr hosting px of E2L mx and some
 BeeGees songs (242 1/24 Johnson-IL)

PHILIPPINES

Radio Veritas Asia Far East Best Corp VOA relay

9520 0958 RVA: EE/CC: EE ID/skcd; IS and into CC @ 1000 (333 1/2 ed.)
 9555 1145 RVA: BURMESE: Vocals w/brief tlk; EE ID/address @ 1158; IS
 on trumpets (322 1/8 Cichorek-NJ)
 11685nf 1433 FEBC: EE: World/Asian nx; sports; ID; Christian rock mx
 (fr-gd 1/7 Famularo-JAPAN)
 11795 0030 RVA: TAMIL: Subcont inst mx; RVA ID into M nx; organ mx; W
 tlk (fair 1/7 Famularo-JAPAN)

VOA was logged as follows: 9760 in EE by Brown-IL; 15180 and 15185 in EE
 by Findlater-CA; 15290 in EE by ed.; 17820 in EE by Findlater-CA; 21475
 in BENGALI by Findlater-CA.

SAUDI ARABIA

Best Service of the Kingdom of Saudi Arabia

6040 0245 (t)BSKSA: AA: Continuous chanting (222 2/4 Findlater-CA) @
 0242 w/mix of M tlk and chanting; //7280 was slightly strong-
 er; no ID hrd but rpt on "WOR" #582 (from BBC MS via BDXC
 lists both these frqs as part of BSKSA's all-night service
 2300-0300 (232 2/15 ed.)
 9705 2152 BSKSA: AA: Exotic AA mx till abrupt change to air raid sirens
 --CNN then said Dharan and Riyadh were under Scud attack!
 (322 1/20 Johnson-IL) (//9720 was SIO 222)
 9870 2033 BSKSA: AA: M tlks w/"Eye of the Tiger" as mx bridges; full ID
 @ 2042; atop co-chan Austria (343 1/18 ed.)
 15060 0535 BSKSA: TURKISH: M (p)nx; ID; some sort of feature or cmt
 (444 1/25 Johnson-IL) @ 0400 w/qur'an (333 1/13 Findlater-CA)
 21505 1427 BSKSA: AA: Flute mx; @ 1430 6 TP; M ID/tlk (nx?); splashed
 by Sweden-21500 (343 1/11 ed.)

SINGAPORE

BBC WS relay was logged (all in EE) as follows: 11750 by
 Thornton-NJ; 11955 by ed.; 15360 by Findlater-CA, Brown-IL.

SYRIA

Radio Damascus

12085 2006 RD: EE: Px w/nx/mx/cmt (323 1/25 Stine-MD) @ 2105 w/nx and
 press review (333 1/26 Barber-IL) @ 2125 w/w nx; ID; px of
 contemporary AA mx (433 2/2 Evans-TN) @ 2033 w/ID; Mideast
 mx; @ 2045 ticking clock and cuckoo sound for TC (!) (433
 2/3 Cichorek-NJ) (Also logged in EE by D'Angelo-PA, Johnson-
 IL, Langlois-FL, Levison-PA; and in AA by Abbinante-IL.)
 15095 2015 RD: EE: W nx of Gulf war; AA vcls; //12085; *2110 EE best
 still on 9950 instead of this; thanks to Don Thornton tip!
 36 (343 1/26 ed.)

(No space to start Thailand here. If you're wondering at a certain lack of
 traditional DX loggings--Chinese regionals, Indonesia, PNG and the like--
 there's probably one person to blame--Peter Arnett of CNN-hi!)

THAILANDRadio Thailand

9655 1130 RT: EE: Px of light mx; M ID "This is the external service of Radio Thailand"; frqs; nx @ 1135; very weak--gone by 1145 (222 2/2 Fisher-MA)

TURKEYVoice of Turkey

9445 2304 VOT: EE: Nx--Turkey will not take part in the war unless attacked (333 1/14 Hart-MN) @ 2308 w/px "Review of News"; "Last Week" (444 1/21 Abbinante-IL) @ 0404 w/war nx; Turkish mx (555 1/24 Trescher-PA) (Also logged in EE by Brown-IL, Johnson-IL; and in TURKISH by Levison-PA)

9795 2053 VOT: GG/EE: End of GG px w/Turkish mx; into EE @ 2100 (353 1/10 Babin-MA)

15265nf? 0747 VOT: TK: Quiet Turkish inst/vocal mx w/M tlk between cuts; @ 0800 TP/TC/ID; no longer on the 15267 listed in WRTH '91 (243 2/9 ed.)

UNITED ARAB EMIRATESUAE Radio DubaiVoice of UAE Abu Dhabi

11945 0330 RD: EE: Tlk on understanding the Holy Qur'an (333 2/2 Findlater-CA) @ 0330 w/hx (333 1/28 Brown-IL)

13605 2200 VOUAE: EE: ID; cmty on turning the world into a fortress (433 1/3 Langlois-FL) @ 2300 discussing Gulf situation "as deadline approaches" (333 1/11 Findlater-CA) @ 2204 w/Mideast nx update (343 1/26 Neff-FL) (Is everyone hearing EE on this frq except me?-ed.)

13675 0130 RD: EE: M nx (444 1/26 Findlater-CA) @ 0330 w/nx (333 1/30 Brown-IL) @ 0224 in AA w/guitar IS; M ID/NA; (p) nx (343 1/16 Johnson-IL) @ 0030 w/TP/ID/nx; then drama (333 2/12 ed.)

15400 2350 RD: EE/AA: EE px on Arab history; into AA @ 2355 (555 1/25 Stine-MD) @ 0335 w/nx; px "Islam and Arabs in the West" (433 2/5 Brown-IL)

17855 1536 VOUAE: AA: M tlk w/ment Washington Post; ID @ 1538 (343 2/15 ed.)

21605 1639 RD: EE: Nx--two people frozen to death in Greece (545 2/4 Leader-IRELAND) @ 1620 w/lounge-type piano mx ("Live from the Pink Camel...Hi!") (333 1/22 Johnson-IL) (Also logged in EE by Abbinante-IL, Levison-PA)

21675 1637 RD: EE: Nx/wx; cmnts on the oil spill (444 1/26 Levison-PA)

25690 1245 VOUAE: AA: M/W comments from Arab capitals on the war; Beeethoven mx bridges; ID @ 1302 and abruptly off (343 2/15 ed.)

VIETNAMVoice of Vietnam

9840 1231 VOV: EE: Nx; ID; "Vietnam's Economy"; VV songs; //12018.3 was Fair (pr-fr 1/10 Famularo-JAPAN)

12018.6 2045 VOV: EE: W cmty highly critical of Dan Quayle's refusal to rule out use of nuclear weapons in Gulf war (322 2/11 Thornton-NJ) on 12020 @ 1921 w/VV folk mx (333 1/11 Cichorek)

YEMENRepublic of Yemen Radio

9779.4 2150 RYR: AA: Long AA mx passage; brief M tlk; more mx--then off suddenly 2156* (333 1/21 Abbinante-IL)

CLANDESTINE

6325 1144 VO THE KHMER: (p)KHMER: M tlk; martial mx/vcls; @ 1200 (p) ID (232 1/75 Cichorek-NJ) @ 1155 w/regional W vcls; W ancr and more mx; CW QRM--best in LSB (323 1/11 Karcheski-MA)

17940 1617 VO FREE IRAQ: AA: AA tlks/mx; heavy bubble jammer QRM--best in LSB; thanks to tip on 1/6 ANARC SWL Net (222 1/6 Karcheski-MA) @ 2230 w/AA mx; much chanting (333 1/30 Findlater-CA) @ 1621 w/similar px, causing QRM to a LDOC on USB via Houston; also jammed were //15600 9568.3 (122 1/6 Lukas-NY) (Finally, this month's psychic DXers!-ed.) (Also noted on many occasions by Ralph Famularo-JAPAN)

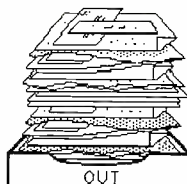
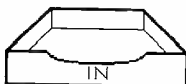
Well, to quote a certain DX show host, "that's your lot for this time." I was wondering how this month's turnout would be, what with all the competition from the TV war coverage, but it seems that shortwave is alive and well, thank you very much--especially considering the sales figures for SW receivers over the past month or so.

Take care till next time, and remember...if you aren't having fun with your radio, you aren't doing it right!

73-Bill

QSL REPORT

Ray Forsgren
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AFRICA

- ANGOLA R Nacional: 9535 f/d Logo cd w/ ltr & station list in 51 ds for a PP rpt & 2 ircs. (Johnson-IL).
BENIN ORTB: 4870 f/d ltr in 270 ds for a FF rpt & 2 ircs. V/S Damien Zinsou Ala Massa. (Reese-DE).
CAMEROON CRTV Bafoussam: 4000 f/d pfc in 164 ds for a FF rpt & ms. (George-MA).
GABON Africa #1: 15475 f/d ltr w/ n/d cd & 10th anniversary calendar in 39 mo. (Weber-OH).
LIBERIA VoA Relay: 6035 f/d cd w/ sked in 2 mo. (Humenuk-ON).
LIBYA R Jamahirriya: 15415 f/d Rainbow/Logo cd w/ sked in 115 ds for ms. (Millard-TX).
MADAGASCAR RN Relay: 15570 f/d Staff cd in 32 ds. (Brown-IL).
MALI R Beijing Relay: 9770 f/d Ornament cd w/ papercuts & calendar in ?? ds. (Millard-TX).
MOROCCO R Medi Un: 9575 f/d plain cd w/ ltr, sticker & sked in 102 ds for a FF rpt & 2 ircs. (Reese-DE).
TOGO R Togo: 5047 f/d Map/Logo cd in 72 ds for a tape rpt & \$1. (Fanderys-OH).

ASIA

- CHINA CPBS-II: 11040 f/d Horse cd w/ papercuts in 26 ds for a CC rpt. (Levison-PA).
CYPRUS BFBS: 7125 p/d facilities cd in 40 ds for an irc. V/S Mike Townley. (Ashabraner-TX).
HONG KONG BBC Relay: 21715 f/d Central Business District cd in 50 ds for \$1. (Millard-TX).
INDONESIA RRI Ujung Pandang: 4753.2 p/d Festival cd w/ Dancers cd in 78 ds for ms. V/S Drs. H. Harmyn Husein. (Reese-DE).
IRAN VoIRI: 9022 p/d Prayer cd w/ sked & magazine in 80 ds for an irc. (Johnson-IL).
ISRAEL KOL Israel: 7465 f/d Logo cd w/ forms in 49 ds. (Bishop-NY).
LEBANON King of Hope: 6280 f/d Map cd in 48 ds for 2 ircs. (Reese-DE).
MALAYSIA V of Malaysia: 15295 p/d Dancers cd w/ ltr in 250 ds after f-up for 2 ircs. (Reese-DE).
NORTH KOREA R Pyongyang: 9977 f/d Flowers cd w/ pennant, calendar & sked in 42 ds via Tsunaaki Ashimori. (Hart-MN).
SOUTH KOREA R Korea: 15575 f/d Temple Windbell cd w/ sked in 42 ds (Bishop-NY).
SRI LANKA VoA Relay: 15250 f/d x'mitters cd in 10 ds. (George-MA).
SYRIA R Damascus: 12085 f/d Map/Antenna cd in 287 ds for ms. (TX-Millard). f/d Logo cd in 311 ds registered for \$1. (Bagozzi-CA).
U.A.E. R Dubai: 21605 f/d Great Circle Map cd w/ sked in 120 ds for 3 ircs. (Scott-CA).

EUROPE

- BULGARIA R Sofia: 7115 & 11660 f/d Monuments cd w/ sked & quiz in 92 & 349 ds. (Levison-PA). 9700 & 15330 f/d Haskovo cd w/ sked, diploma & form in 2 mo. (Humenyk-ON).
CZECHOSLOVAKIA R Prague: 5930 f/d Buchlov Castle cd w/ calendar in 30 ds. (Levison-PA).
HUNGARY R Budapest: 7220 f/d Siofok cd in 1 mo. (Humenyk-ON). 9835 f/d Views cd in 26 ds. (Levison-PA). 15160 f/d Heviz City cd w/ sked in 45 ds. (Ashimori-JN).
ICELAND ISBS: 15770 f/d Reykjavik cd in 36 ds for \$1. (Bagozzi-CA).
ITALY RAI: 11905 f/d Fountain cd w/ magazine & sked in 296 ds. (Fanderys-OH).
MALTA Voice of the Mediterranean: 9765 f/d Art cd in 109 ds. (CA-Bagozzi).
NORWAY RNI: 9615 f/d Romsdalshorn cd w/ sticker & flag in 40 ds for 2 ircs. (Scott-CA).
PORTUGAL RFE: 7190 p/d Euro-map cd in 10 ds. (Ashabraner-TX).
ROMANIA RRI: 9690 & 17850 f/d cd w/ sked, ltr, forms, sticker & button in 6 mo. (Humenyk-ON).

Well, I did it!! Talk about a massive missort...here is the rest of Europe...

- AUSTRIA/ RAI: 9875 f/d ltr in 42 ds. (Johnson-IL). f/d Railway station cd in 51 ds. (Bishop-NY).
- BELGIUM/ BRT: 9925 f/d Comic cd in 162 ds. (Levison-PA). 9925, 13675, & 21815 f/d Lucky Luke cd in 138 ds. (Levison-PA).
- CZECHOSLOVAKIA/ R Prague: 5930 f/d Wallachian Museum cd w/ sticker in ?? ds. (Millard-TX).
- GREAT BRITAIN/ BFBS: 13745 p/d Map cd in 39 ds for an irc. (Johnson-IL). p/d cd in 67 ds for 2 ircs. (Karcheski-MA). 15390 p/d cd in 23 ds for ms. V/S Richard Astbury. (George-MA).
- ITALY/ RAI: 11800 f/d Painting cd in 165 ds. (Brown-IL). Voice of Europe: 7538 f/d Logo cd in 54 ds for an irc. (Johnson-IL). Italian Radio Relay Service: 9815 f/d Logo cd w/ sked & info in 142 ds for 2 ircs. (D'Angelo-PA).
- LUXEMBOURG/ RL: 15350 f/d Tower/Logo cds w/ stickers in 36 ds for an irc. (Johnson-ID).
- NETHERLANDS/ RN: 6020 f/d English Service Staff cd in 16 ds. (Brown-IL).
- ROMANIA/ RRI: 11940 f/d Costume cd w/ stickers & sked in 197 ds (Millard-TX).
- SPAIN/ REE: 9630 f/d Barcelona cd w/ pennant & sked in 50 ds for 2 ircs. (Scott-CA).
- SWEDEN/ RSI: 9695 & 17880 f/d Round-up cd in 30 ds for 2 ircs. (CA-Scott). 9695, 17875 & 21500 f/d Nature cd w/ sticker & sked in 2 mo. (Humenyk-ON).
- SWITZERLAND/ SRI: 6135 f/d STANS cd in 15 ds. (Brown-IL). f/d Chateau cd w/ sked & form in 15 ds. (Millard-TX). 9885 f/d cd w/ sked in 45 ds for 2 ircs. (Scott-CA).
- YUGOSLAVIA/ RY: 21715 f/d Ski Resort cd in 30 ds for an irc. (TX-Asnabraner). R Titograd: 9620 p/d Titograd cd in 125 ds after f-up (D'Angelo-PA).

U.S.S.R.

- R Minsk: 5915 f/d cd w/ sked in 2 mo. (Humenyk-ON).
- R Moscow: 9530 f/d Friendship cd in 83 ds. (Levison-PA).
- R Vilnius: 11675 f/d Land of Amber cd w/ ltr, stickers, stamps & sked in 95 ds for 3 ircs. V/S Edvinas Butkus. (Scott-CA).

NORTH AMERICA

- CANADA/ RCI: 5960 f/d Satellite cd (#3 of 107) in 79 ds. V/S Ian McFarland. (Westenhaver-PQ). R Japan Relay: 5960 n/d Nara cd in 44 ds. (Millard-TX). R Korea Relay: 9650 f/d Bell cd w/ pennant, sked & sheet music in 23 ds. (Millard-TX).
- CUBA/ RHC: 11820 f/d Stone Tower cd w/ ltr in 156 ds for 2 ircs. (Scott-CA). R Moscow Relay: 11840 f/d Kremlin cd in 2 mo. (Humenyk-ON).
- DOMINICAN REPUBLIC/ R Bahanona: 4930 f/d ltr in 48 ds for a SS rpt & \$1. V/S Roberto Lama S. (Johnson-IL).
- NETHERLANDS ANTILLES/ TWR: 11930 f/d Undersea Artwork cd in 26 ds (Millard-TX). RN Relay: 9590 f/d Staff cd in 37 ds. (Brown-IL).
- U.S.A./ R Free New York via WPCR: 7520 f/d Poster cd w/ mucho info in 55 ds for \$1. (D'Angelo-PA). VoFC Relay: 5950 f/d Brushes cd w/ goodies in 32 ds. (Millard-TX). f/d Art cd w/ sticker in 38 ds. (Levison-PA). 5950 & 11740 f/d Antiques cd w/ goodies in 39 ds. (Levison-PA). WRNO: 15420 f/d logo cd w/ stickers in ?? ds. (Humenyk-ON).

OCEANIA

- COOK ISLANDS/ RCI: 11760 f/d Conch Blower cd in 6 wks after f-up, 4 yrs overall!! for \$1. V/S Tauraki Rongo Raea. (Eckert-PA).
- GUAM/ KTWR: 9820 f/d Studio cd in 54 ds w/ sked. (Millard-TX).
- MARIANAS ISLANDS/ KFBS: 12025 f/d x'mitter site cd w/ sked in 48 ds. (Millard-TX).
- NEW ZEALAND/ RNZI: 9675 f/d Sheepp Herder cd in 45 ds for 3 ircs. (Brown-IL).
- PAPUA NEW GUINEA/ NEC: 4890 f/d Map cd in 272 ds after f-up for 2 ircs. (Johnson-IL). R Southern Highlands: 3275 p/d 2 page personal ltr in 26 ds for \$1. V/S Andrew Meles. (D'Angelo-PA).

SOUTH AMERICA

- ARGENTINA/ RAE: 11710 f/d Logo cd w/ sked in 56 ds. (bagozzi-CA). f/d logo cd w/ ltr, skeds & form in 64 ds for an irc. V/S Silvana Licciardi, & Marcela G.R. Campos. (Fanderys-On).

/COLOMBIA/ Ondas del Meta: 4885 n/d greeting cd w/ business cd in 141 ds after 4th f-up for a SS rpt & ms. V/S Yolanda Plazas de Lozada. (D'Angelo-PA).

/ECUADOR/ HCJB: 25950 f/d Mountains cd in 20 ds for an irc. (TK-Ashabranner).

/PARAGUAY/ R Nacional: 9735 n/d ltr w/ stamp in 37 ds for a SS rpt & 2 ircs. (Johnson-IL).

UTES

/CANADA/ Gander Aeradio: 5598 n/d form ltr w/ sticker in 63 ds. V/S Wayne J. Lorenzen. (D'Angelo-PA).

/CYPRUS/ Cyprus Radio: 14564 f/d ltr in 66 ds for an irc. (D'Angelo-PA).

/GREAT BRITAIN/ RAF West Drayton: 11200 f/d ltr in 66 ds. V/S Cpl. J. Forsyth. (D'Angelo-PA).

/JAPAN/ Tokyo Volmet: 6697, 8828, & 13282 f/d Map cd w/ personal ltr in 22 ds for ms. V/S Taizo Kakimoto. (George-MA). JJJY: 10000 f/c Antenna cd w/ station info in 13 ds. (D'Angelo-PA).

/U.S.A./ New York Radio: 3485 & 6604 p/d form ltr w/ booklet in 26 ds. V/S Patricia Rizer for George A. Tracy. (D'Angelo-PA). WOO: 8749.9 & 13107 2 f/d Logo cds in 9 ds for ms. V/S John Morgan. VOA Feeder: 19261.5 LSB f/d x'mitters cd in 32 ds. (HL-Washburn).

CLANDESTINES & PIRATES

WHDA: 7410 f/d Deviation Metre cd in 120 ds for ms. (Schulsinger-OR).

CFBN: 7415 f/d Fly by night cd #92 in 45 ds for ms. V/S House Fly & Black Fly. (Karcheski-MA). WHO: 7415 p/d Dr. Who cd w/ ltr in 55 ds for ms. V/S The Doctor. (Johnson-IL). United World Radio: 7415 & 6275 f/d World Globe cd in 74 ds for ms. V/S Harrison Bergeron. (Johnson-IL). Action Radio: 7415.6 f/d Pirate cd in 24 ds for ms. V/S A.J. Michaels. (George-MA). One Voice Radio: 7435 f/d Face on upturned foot(???) cd in 28 ds for ms (Johnson-IL). R Mauser Int: 7495 f/d Che Guevara cd in 14 ds for ms. V/S Dr. Selsyn. (George-MA). Samurai Radio: 7420 f/d Just the Facts cd in 120 ds for ms. V/S Eddie Current. (OH-Schulsinger). Radio Beaver: 15043 f/d Beaver ltr w/ Leave it to Beaver picture in 27 ds for ms. V/S Bucky Beaver. (Karcheski-MA). Hope Radio Int: various, n/d thank you cds in 7 mo for ms (Johnson-IL).

/IRELAND/ R Stella Int: 6319.4 2 f/d cds w/ info in 49 ds for ms. 200 Watts. V/S Jock Wilson. (George-MA). Voice of Unity: 15685 n/d sked/cd in 170 ds for an irc. (Hardester-NC).

73, *Co*

Advance Registration Form 1991 Leningrad Hamvention Tour

Last name	First name	M.I.
Address	State/Province	Zip/Postal Code
Daytime Phone	Date of Birth	Sex: M <input type="checkbox"/> F <input type="checkbox"/>

- ___ Enclosed is my \$150 refundable deposit (US dollars). Please reserve my place in the 1991 Hamvention Tour and send me my complete registration packet.
- ___ Please send me my free packet of 1991 Leningrad Hamvention promotional QSL cards.

Return immediately with check made payable to:

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Do you have further questions? Call us at 514/697-3735

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Date received	Date fulfilled	Approval
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Trash & Treasure



Donald J. Weber 2169 Walter Road Westlake, OH 44145

Radio New Zealand Limited through Replay Radio, Post Office Box 2092, Wellington, New Zealand offers a forty page catalogue plus a recently printed folder supplement of compact discs, cassettes, books and script reprints. Subjects range from history of radio in New Zealand to music to sporting games highlights to religion to recipes to most any subject, even to "Dr Ruth on Sex"--quite a gamut of potential entertainment and enjoyment, particularly the music and radio history tapes.

Brasilian DXer Antonio Ribeiro da Motta, Caixa Postal 949, CEP 12,201 Sao Jose dos Campos, SP, Brasil has prepared a tape of forty Brasilian shortwave station IDs--the cost is either seven (7) IRCs or \$7.00, direct from Antonio.

Towers to Eternity, a short history of how Trans World Radio was organized, originally published about 1968, is again available, at no charge, from TWR at their new location--Box 700 or 118 MacKenan Drive, Cary, North Carolina 27512--a short letter with a friendly request should do it. They also have a fax number 919-460-9598.

HighText Publications Inc, 7128 Miramar Road, Suite 15, San Diego, California 92121 is publishing two Harry Helms' efforts, "The Shortwave Listening Guidebook" and "The Underground Frequency Guide". A SASE to HighText will confirm current correct price as well as shipping charges.

Another SASE, this time to MoonBeam Press, Post Office Box 149, Briarcliff Manor, New York 10510, will be returned to you filled with radio-related advertising, from well-known books such as WRTH, Passport, M Street to lesser known editions to newsletters to CIA and KGB insignia items to Radio New York International t-shirts and to a lot more. Maybe this is editorializing, but it's well worth the twenty-nine cent stamp.

World Perspectives is a relatively new, monthly bulletin, close to thirty pages, printed by People's News Service, Post Office Box 3074, Madison, Wisconsin 53704. The publishers "intend to present news and analysis from the perspectives of the world outside the USA..." They reprint or edit information from many shortwave stations. Before you dash off a subscription at \$19. per year, a sample issue at a \$1.75 might be a good investment--the other pricing schedules of \$23. for institutions and \$9. for prisoners and the heavy reprint of information from Radio Habana Cuba could suggest a possible slant or point of view. Their "alternative news and analysis from shortwave sources", however, does supplement what we might find from available, normal United States information sources.

A very complete, for its size, World Atlas is available from the catalog house, The J Peterman Company, 2444 Palumbo Drive, Lexington, Kentucky 40509. This is the Bartholomew Mini World Atlas, \$15.95, plus \$2.50 shipping. Size is only 4-1/8"x6-1/8"; published in Scotland, 112 pages of maps and 80 pages of index. Toll free number, 1-800-231-7341.

The DX Edge has been sold for some years by many sources and now is available even through computer programs. A side item, well worth having, is the Great Circle Slide which is based on the degree of latitude; usually 30° or 40° will cover a United States location. If you have difficulties in locating these items from your normal source, the prime representative in this country is Xantek Inc, Post Office Box 834, Madison Square Station, New York, New York 10159. They handle both the Super DX Edge for IBM and Commodore equipment as well as the regular hand-operated slide--the the Great Circle Slide is discounted when purchased at the same time as the DX Edge.

We have 900 telephone numbers but Vatican Radio has given us something new--twenty-four hour a day messages from Pope John Paul II. Messages in four languages, English, French, Italian and Spanish are available. For the English message the telephone number to dial from a phone in the United States is 011-39-7779-3020.

➔ ➔ DX TARGET ➔ ➔

Richard A. D'Angelo

2216 Burkey Drive

Wyomissing, PA 19610

Located in the town of Gander, Newfoundland the Gander International Flight Service Station is part of a coordinated worldwide communications network which includes stations at Shannon, Prestwick, New York, Reykjavik and Santa Maria. The station, known as Gander Radio, has been providing communications services to aircraft flying between Europe and North America since 1938. The familiar call of "This is Gander Radio" is well known in cockpits of aircraft crossing the North Atlantic.

Gander Radio, and the other stations along the North Atlantic route, are strategically located and designed to provide mutual support in the provision of communications services to aircraft operations between Europe and North America. The stations are operated in accordance with procedures approved by the International Civil Aviation Organization (ICAO). The methods of providing these communications services have changed over the years from morse code (cw) to Upper Sideband (USB) voice. Any future changes evolving over time will, undoubtedly, reflect new technologies which will be responding to the changing demands of the aviation industry in the next century.

Gander Radio is operated by the Air Traffic Services Branch of the Canadian Department of Transport. All sixty of its Flight Services Specialists are graduates of an intense training program at the Transport Canada Training Institute at Cornwall, Ontario. Gander Radio operates around the clock providing continuous communication services to aircraft operating over the North Atlantic.

Presently, the stations forming the international network operate radio equipment on several "families" of frequencies in the high frequency (HF) bands. By having several frequencies available in different parts of the spectrum, the stations of this international network can maintain continuous communications with aircraft crossing the North Atlantic under the constantly changing conditions regularly encountered in the HF bands. The coordination of several HF stations using this network principle guarantees that one or more of the ground stations will be capable of communicating with aircraft crossing the North Atlantic at all times. The efficiency and economic viability of the service is enhanced by the capability of simultaneous reception of messages by more than one ground station. Gander Radio supplements the HF services with very high frequency (VHF) facilities provided at local and remote locations as required. Gander controls several remote communications facilities located at St. John's, St. Anthony and Frederiksdal, Greenland.

Each of the channels controlled by Gander are equipped with Selective Call Paging or SELCAL systems. By using SELCAL, flight crews do not have to wear headphones and continuously listen to ground stations for messages. Gander Radio can alert specific aircraft by transmitting a unique four letter code which activates the aircraft system. This alarm type system alerts the pilot and flight crew that Gander, or any other ground station in route, wants to communicate with the aircraft. Frequently, pilots will request a SELCAL check when conducting routine communications with ground stations.

Gander Radio provides a number of services such as air traffic control communications, emergency communications, in-flight information communications, message communications and meteorological broadcasts. All communications handled by Gander are recorded and retained for future use should problems arise.

Air Traffic Control Communications Services

The Air Traffic Control Center shares facilities with the Gander Oceanic Area Control Center. The interconnection of facilities allows for the air to ground positions at Gander to provide fast, efficient relay of communications between the Air Traffic Controller and the pilot of the aircraft. The air to ground operators are provided with full flight plan information on all aircraft operating in Gander's communication area. The modern computerized terminals enable the Flight Service Specialists to relay information on aircraft position and altitude while processing requests for routing and altitude changes

Emergency Communications Services

Gander Aeradio provides continuous support for 14 HF and 3 VHF frequencies designed for emergency communications. The modern state of the art communication facilities enable the station to respond to a variety of in-flight emergency situations. The station is fully integrated to ground communications networks designed to support emergency communications.

In-flight Information Communications Service

The Flight Service Specialists at Gander provide pilots with information on airways, air routes, the status of radio and non-radio navigation aids, the operational status of airports and actual and forecast weather information. Also, they provide instantaneous relay of weather information received from aircraft in flight to the appropriate weather service while relaying information from the weather office to aircraft.

Message Communications Service

Gander is connected to the worldwide Aeronautical Fixed Telecommunications Network (AFTN) which provides a full time communications link between airline dispatch offices and their aircraft throughout the globe. Gander Aeradio will relay company messages to and from aircraft and through predetermined addressing will provide automatic notification to the company of message delivery.

Meteorological Broadcast Services

Gander Aeradio provides a 24 hour broadcast of selected weather information (VOLMET). This service supplements the weather information service available to pilots on request. VOLMET stations are transmit only facilities that broadcast airport forecast and current weather conditions for specific parts of the world. Each local VOLMET has the responsibility of informing the aviation community about local weather conditions in its area. Gander is one of the stations forming part of the international VOLMET service and shares a set of frequencies with New York Radio (see page 42 of January's SPEEDX for a DX Target about NEW York Radio) in the 3, 6, 10 and 13 mHz bands.

Gander Radio operates on four families of frequencies with each family consisting of four separate channels. Family "A" consists of 3016, 5598, 8825 and 13306 kHz. Family "B" utilizes 2899, 5616, 8864 and 13291 kHz. Family "C" operates on 2872, 5649, 8879 and 13306 kHz. The last family, "D", uses 2971, 4675, 8891 and 13291 kHz. The VHF frequencies used are 126.9, 127.1 and 127.9 mHz. These channels operate continuous voice communications with aircraft crossing the North Atlantic. Generally, the higher frequencies are utilized during daylight hours with the lower frequencies being used during darkness. The VOLMET operates on 3485, 6604, 10051 and 13270 kHz. Between 20 - 25 minutes past the hour forecasts for Montreal (Dorval and Mirabel), Toronto and Ottawa are given and actual weather conditions for the above plus Gander, Goose Bay and Halifax are provided. Between 25 - 30 minutes past the hour forecasted weather conditions for Winnipeg, Edmonton and Calgary are given. In addition, actual current weather conditions are provided for those cities and Sydney, Iqaluit and Sondrestrom. At 50 - 55 minutes past the hour weather forecasts and actual for Gander, Goose Bay and Halifax are given with actual conditions for those cities and Montreal (Dorval and Mirabel), Toronto and Ottawa. The broadcast at 55 - 60 minutes past the hour provides a forecast and actual weather conditions for Sydney, Iqaluit and Sondrestrom as well as actual conditions for Winnipeg, Edmonton and Calgary.

All communications from Gander Radio is conducted in the Upper Sideband (USB) mode with a power output of 5 kilowatts using a tuned dipole antenna. The international flight service station operates 24 hours a day, seven days a week. The VOLMET broadcast times are from 20 - 30 minutes past the hour and 50 minutes past the hour to the top of the hour in the format previously discussed. The station is a good verifier of shortwave listener reception reports. The verie signer is Wayne J. Lorenzen, Public Relations Officer. The station can be reached at:

Gander Radio
Manager, Gander Area Control Centre
Memorial Drive
P. O. Box 328
Gander, Newfoundland
Canada A1V 1W7

Gander Radio
Transport Canada
Telecom Manager
P. O. Box 400
Gander, Newfoundland
Canada A1V 1W8

Remember to send logs to Editor Paul Lannuier for inclusion in the SPEEDX Utility Station List and QSL's to Ray Forsgren for the QSL Report column. Good luck with this DX Target!

SPEEDX UTILITY STATION LIST

Paul T. Lannuier, Editor
25 Mac Arthur Avenue, Closter, NJ 07624

Part 3: 12000.0 to 17999.9 kHz

Freq	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
12133.0	USB	England	OKX51	Portsmouth Radio	1912	Working aircraft	Marchessault-MA
12170.0	CW	Australia	YHT	Unknown	1503	ID as 'YHT4/5/7'	Flynn-CA
12186.0	RTTY	Libya	SA062	Tripoli	1732	425/500. JANA news in English and French	
12212.5	RTTY	Yugoslavia	Y207	Belgrade	0830	425/500 TANJUG Nx in EE	Lachmann-YA
12223.5	RTTY	Morocco	...	Tangier	2205	850/100. VOAA/USIA news in English	Lachmann-YA
12275.0	CW	Canada	CFH	Halifax, NS	2250	Marker	Marchessault-MA
12329.0	CW	Denmark	OV612	Fredrikshavn Naval	0125	Danish Maritime Marker	Floorn-PJA
12658.0	CW	Japan	JNA	Tokyo Radio	2150	Marker	Lukas-NY
12660.0	CW	USA	WL0	Mobile Radio, AL	1225	Marker	Conway-UF
12663.0	CW	Chile	CBY	Valparaiso Radio	2156	Marker	Blair-CA
12664.5	CW	Society Is.	FUM1	Papeete Naval	0907	French Navy Marker	Conway-UF
12673.5	CW	Japan	JOU	Nagasaki Radio	1248	Marker	Hardester-JP
12678.0	CW	Malaysia	9M03	Pinang Radio	2104	Marker	Blair-CA
12690.0	CW	USSR	UJY	Kaliningrad Radio	2108	Marker	Conway-UF
12691.2	CW	Reunion	FUX	Le Port Naval	1355	French Navy Marker	Conway-UF
12695.5	CW	Taiwan	XSX	Keelung Radio	0854	Marker	Conway-UF
12699.0	CW	Panama	HPP	Panama Intelmar Radio	2200	Marker	Hardester-JP
12700.0	CW	China	X504	Guangzhou Radio	2022	Marker	Conway-UF
12702.0	CW	Canada	CKN	Vancouver, BC	1727	Marker	Conway-UF
12704.5	CW	Indonesia	PKD	Surabaya Radio	1150	Marker	Blair-CA
12704.5	CW	USA	WL04	Mobile Radio, AL	1303	Marker	Hardester-JP
12709.0	CW	Barbados	8P0	Barbados Radio	2112	Marker	Blair-CA
12709.0	CW	Mexico	XFO	Saltina Cruz Radio	2355	Marker	Conway-UF
12709.2	CW	Bahrain	A9M	Manama Radio	2024	DE Marker	Georg-MA
12711.0	CW	USSR	UBN	Zhidanov Radio	2245	Marker	Conway-UF
12712.0	CW	S. Korea	HLW3	Seoul Radio	1315	Marker	Marchessault-MA
12715.0	CW	USSR	UJ07	Kiev Radio	2027	Cig 4LA2	Blair-CA
12719.8	CW	New Zealand	ZL05	Waikouru Radio	1320	Marker	Conway-UF
12724.0	CW	Singapore	9V657	Singapore Radio	1322	Marker	Blair-CA
12725.0	CW	Belgium	OSN	Ostend Radio	2222	Marker	Blair-CA
12727.0	CW	S. Korea	HLJ	Seoul Radio	1324	Marker	Rocher-MS
12730.0	CW	USSR	UF1Y	Murmansk Radio	0025	Marker	Blair-CA
12736.5	CW	Turkey	TAH	Istanbul Radio	2035	Marker	Rocher-MS
12743.0	CW	Guam	NRV	Barrigada	1730	USN Marker	Conway-UF
12750.0	CW	Australia	YHI	Darwin Radio, NT	0848	PA Navy Marker	Blair-CA
12788.0	CW	Japan	JFA	Matsudo Radio	2017	CG Marker	Hardester-JP
12792.0	CW	Cuba	CLA31	Havana Radio	2142	CG Marker	Conway-UF
12806.5	CW	USA	KPH	San Francisco Radio, CA	2227	Tic	Marchessault-MA
12846.5	CW	Philippines	DZE	Mandaluyong Radio	0845	Marker	Blair-CA
12864.0	CW	Taiwan	XSW	Kaohsiung Radio	1934	CG Marker	Hardester-JP
12869.0	CW	USA	WNU	Shidell Radio, LA	2230	Marker	Conway-UF
12870.0	CW	Philippines	DZO	Manila (Bulacan) Radio	1142	Marker	Blair-CA
12871.5	CW	China	XSG	Shanghai Radio	0852	Marker	Hardester-JP
12874.0	CW	Canada	VCS	Halifax, NS	2231	Marker	Hardester-JP
12875.0	CW	France	FUG	La Regine Naval	2147	French Navy Marker	Blair-CA
12879.5	CW	USA	WCC	Chatham Radio, MA	2234	Marker	Marchessault-MA
12886.5	RTTY	USA	WL0	Mobile Radio, AL	2235	Wx broadcast. Also SITOR-A	Blair-CA
12889.5	CW	Hawaii	NH0	Honolulu	2253	Wx broadcast	Blair-CA
12912.5	CW	France	FFL6	St. Lys Radio	0205	Marker	Blair-CA
12917.0	CW	USA	KLE	Seattle Radio, WA	2254	Marker	Lukas-NY
12925.0	CW	USSR	UQA4	Kiev Radio	2149	Cig 4L5	Blair-CA
12940.0	CW	Bulgaria	LZW	Varna Radio	0021	Marker	Marchessault-MA
12947.5	CW	Portugal	CUL	Lisbon Radio	1153	Marker	Rocher-MS
12950.0	USB	Israel	...	Unknown	0149	Phonetic alphabet station	Marchessault-MA
12955.0	CW	USSR	UFL	Vladivostok Radio	2010	DE Marker	Lukas-NY
12970.5	CW	Indonesia	FKX	Jakarta Radio	2108	CG Marker	Conway-UF

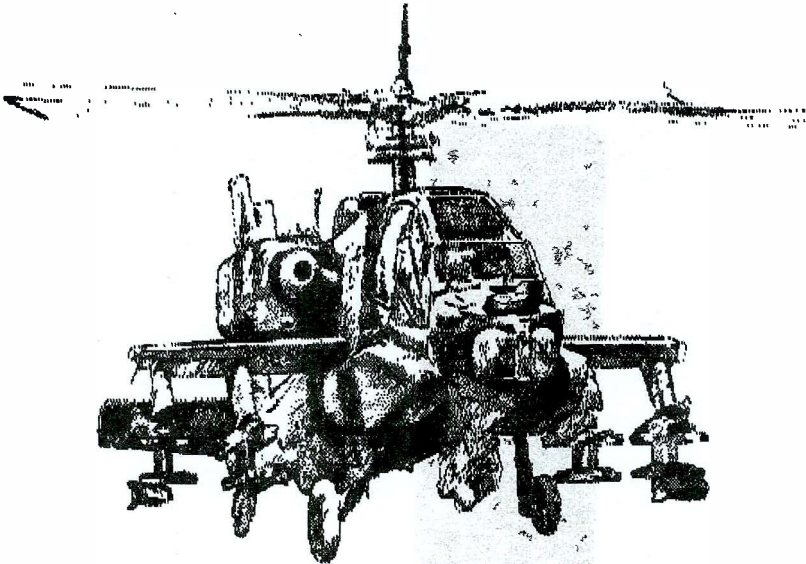
12995 0	CW	USSR	ROT	Moscow Naval	1750	Soviet Navy Marker	Karcheski-MA
12997 5	CW	USSR	UFB	Odesa Radio	1753	Marker	Karcheski-MA
13002 0	CW	USA	KPH	San Francisco Radio, CA	2256	Marker	Blair-CA
13011 0	CW	USA	WNU44	Stidell Radio, LA	2257	Marker	Blair-CA
13024 9	CW	USA	WLO	Mobile Radio, AL	2303	Marker	Blair-CA
13063 0	CW	Japan	JDE	Nagasaki Radio	0902	Marker	Hardester-JF
13065 2	CW	Nigeria	50W	Lagos Radio	2107	CO1 Marker	Conway-UK
13144 2	USE	USA	WOM	Miami Radio, FL	2048	Tfc	Jones-TN
13187 8	USE	France	FFL6C	St Lys Radio	2130	Marker	George-MA
13201 0	USE			WORLDWIDE USAF FREQ		GCCS Stations reported include: Thule AFB, Greenland; AIEZ Andersen AFB, Guam, McEllan AFB, CA, AIF80 Yokota AFB, Japan	
13244 0	USE			WORLDWIDE USAF FREQ		GCCS Stations reported include MacDill AFB, FL	
13247 0	USE	USA		WORLDWIDE USAF FREQ		GCCS Stations reported include Andrews AFB, MD	
13300 0	USE	England		London	0704	LDOC BAW 'Speedbird London' w/g aircraft 36	Springer-NZ
13300 0	USE	England		London	0705	LDOC BAW 'Speedbird London' w/g aircraft 84	Springer-NZ
13306 0	USE			ICAO NAT-A/C AREAS		Stations reported include Santa Maria, Azores	
13354 0	USE			ICAO CEF-5 AREA		Stations reported include Honolulu, HI, San Francisco, CA	
13380 0	CW	Costa Rica	TIH	Limon Radio	1545	Marker Also announced 6380.0, 8478.0 & 17149.0 Hz	Rocker-MS
13730 0	RTTY	Portugal	CUA67	Lisbon		ARQ-M2 425/96 Status msg	Conway-UK
13533 5	RTTY	S Africa		Pretoria	1254	425/50 Meteor	Moon-RSA
13565 0	RTTY	Cyprus	MHD	Nicosia	1911	425/50 Lazy dogs and RYRYRY	Conway-UK
13651 0	USE	England	AJE	Barford	0002	AFRTS Feeder on LSB	Westenhaver-PQ
13656 0	RTTY	Vietnam		Hanoi	1430	425/50-VNA Nx in French	Karcheski-MA
13685 0	RTTY	Zaire		Kinshasa	1452	425/50 AZAF news in French	Moon-RSA
13737 0	RTTY	Kenya	5xD	Nairobi	2239	425/50 AFTN 'KSA' circuit DE Marker	Conway-UK
13752 0	RTTY	Saudi Arabia	H2J	Jeddah	2137	425/50R AFTN 'UYA' circuit Tfc	Conway-UK
13780 0	RTTY	N Korea	HMFS5	Pyeongang	1450	425/50N FONA news in English 30% readable	Flynn-CA
13860 0	RTTY	China		Unknown	0000	850/75P Tentative BCD26 Shanghai	Flynn-CA
13973 3	RTTY	Antarctica	NNN@ICE	McMurdo Station	0208	SITOR-A USN MARS	Karcheski-MA
13974 0	USE			WORLDWIDE USN MARS FREQUENCY		Fixed and mobile station tfc	
13974 0	USE	Antarctica	NNN@ICE	McMurdo Station	0356	USN MARS W/g NNN@NVZ Byrd Surface Camp	Karcheski-MA
13974 0	USE	Antarctica	NNN@NEA	Palmer Station	0020	USN MARS W/g NNN@JET (CONUS)	Karcheski-MA
13977 5	USE	USSR		Moscow	1518	Marker This is a transmission for circuit adjustment purposes from the Moscow radiotelephone system 'by YL	Flynn-CA
14260 0	CW	Unknown	F WZ99	Unknown	0938	US Embassy? Usually FWS78 with marker DE F WZ99 F "Several manual calls	Conway-UK
14370 5	RTTY	Saudi Arabia	H2J	Jeddah	2146	425/50P AFTN 'KSA' circuit tfc	Conway-UK
14385 2	USE			WORLDWIDE USN MARS FREQUENCY		Fixed and mobile station tfc	
14405 0	RTTY	Cyprus	MHD	Akrotiri	1922	425/50 RAF RYRYRY & Foxes	Conway-UK
14441 5	USE			WORLDWIDE USN MARS FREQUENCY		Fixed and mobile station tfc	
14463 0	USE			WORLDWIDE USN MARS FREQUENCY		Fixed and mobile station tfc	
14470 0	USE			WORLDWIDE USN MARS FREQUENCY		Fixed and mobile station tfc	
14477 0	USE			WORLDWIDE USN/USAF MARS FREQUENCY	2315	Fixed and mobile station tfc	
14483 0	USE			WORLDWIDE USN MARS FREQUENCY		Stations reported include AGA3HQ Scott AFB, IL	
14484 5	RTTY	Fr Guiana	RFLIG	Cayenne Naval	0145		
14497 0	RTTY	Azores	CSY	Santa Maria	2112	ARQ-E3 425/48 Tfc to PFLIA Ft de France	Conway-UK
14531 0	RTTY		AGA3HQ	WORLDWIDE USAF MARS FREQUENCY	2106	850/50 AFTN 'MCA' circuit	Conway-UK
14564 0	USE	Cyprus	5BC68	Nicosia Radio	2125	Packet/300 Stations reported include AGA3HQ Scott AFB, IL	D Angelo-PA
14606 0	USE			WORLDWIDE USAF MARS FREQUENCY	2325	Marker	
14625 0	RTTY	Martinique	RFLI	Fort de France Naval		Mariv AFA callsigns heard	Lannuter-NJ
14636 0	RTTY	USA	WFI 3E	New York, NY	1945	ARQ/96 French Navy 'Idling	Conway-UK
14666 0	USE			US CUSTOMER-DEA FREQ 1643	2016	425/75 USA/VOA Nx "ORA VOA CALLING MORE TO COME"	Conway-UK
						Stations reported include 'Atlas', Cedar Rapids, IA, 'Panther', Nassau, Bahamas	

14747.0	RTTY	Antarctica	...	Moldezhnaya Base	1250	425/50: Soviet Base. Meteor	Moon-RSA
14761.0	RTTY	China	BAT93	Beijing	1800	425/50N. XINHUA news in English	Flynn-CA
14810.0	ISB	USA	...	Unknown	1920	VQA Feeder	Lukas-NY
14927.9	RTTY	Cuba	...	Havana	1600	425/50: PL news in Spanish	Lannuier-NJ
14995.3	RTTY	US ARMY/MARS FREQ.	...	SITOR-A. Stations reported include. AAA6USA Ft. Sam Houston, TX	...
15000.0	AM	Argentina	LOL	Buenos Aires	2319	Time signals. Observatorio Naval Argentina w/YL voice ID every 5 mins.	Westenhaver-PQ
15004.0	CW	USSR	RID	Irkutsk	0208	Time signals	Karcheski-1A
15015.0	USB	Panama	...	Albrook AFB	2132	USAF. Tfc and wx	Karcheski-1A
15670.0	RTTY	Hungary	HG136	Budapest	1615	425/50N: MTI news in Spanish	Karcheski-1A
15750.7	RTTY	Morocco	CM1N66X2	Rabat	1620	425/50N: MAP News in French	Lannuier-NJ
15934.6	RTTY	Egypt	SUA291	Cairo	1630	425/50N MENA news in French and English	Lannuier-NJ
16041.1	ISB	England	AJE	Barford	1955	AFRTS Feeder in LSB	Lukas-NY
16066.4	RTTY	Italy	...	Rome	1710	425/50: ANSA News in English	Lannuier-NJ
16106.0	RTTY	New Caledonia	FZ1M62	Noumea	1200	425/50N. D1PLO Nx in FF signal	Strong and readable Lackmann-VA
16117.0	RTTY	Senegal	6VK317	Dakar	0930	425/50N. PANA News in English and French	Lackmann-VA
16202.0	RTTY	Sudan	STK	Khartoum	2131	850/50. AFTN. Marker	Conway-UK
16203.5	RTTY	Sudan	STK	Khartoum	2205	425/50. AFTN "SEA" circuit. Tfc to Cairo	Conway-UK
16800.0	RTTY	USSR	RWN72	Moscow	1315	425/50N. PL news in Spanish. Also 11905 0	Lackmann-VA
16903.5	CW	Greece	SVB8	Athens Radio	1950	DE Marker	O'Connor-NH
16906.0	CW	Iraq	YIR	Basrah Control Radio	1927	Marker	Rocker-M1S
16907.3	CW	E. Germany	YSM1	Ruegen Radio	1759	Marker	Karcheski-1A
16909.7	CW	Iceland	TFA	Reykjavik Radio	1831	CQ Marker	Conway-UK
16911.0	CW	Japan	JNA	Tokyo Radio	1952	CQ Marker	O'Connor-NH
16920.5	CW	Norway	LGW	Rogaland Radio	2240	Marker	Moon-RSA
16928.4	CW	Norway	LFX	Rogaland Radio	1851	CQ Marker	Blair-CA
16930.0	CW	USSR	UVA	Unknown	1152	Marker (see 22423 5)	Conway-UK
16932.0	CW	Algeria	7TF	Boufarik Radio	1857	CQ Marker	O'Connor-NH
16947.4	CW	Barbados	9P0	Barbados Radio	1646	DE Marker	Conway-UK
16948.0	CW	France	FFL	St. Lys Radio	2000	Marker	Moon-RSA
16958.0	CW	New Caledonia	FUM1	Noumea Naval	0747	French Navv. Marker	Conway-UK
16960.0	CW	Canada	CKN	Vancouver Radio	1600	Canadian Forces. NAW5	Moon-RSA
16960.0	CW	USSR	UI1V	Murmansk Radio	1308	Marker	Conway-UK
16961.5	CW	Martinique	FUF	Fort de France Naval	2004	French Navy. V1 Marker	O'Connor-NH
16975.0	CW	USSR	RKLM1	Unknown	1310	Tfc in Russian	Conway-UK
16975.3	CW	India	YWM1	Madras Radio	1439	Marker	Conway-UK
16977.0	CW	Czechoslovakia	OMP6	Prague Radio	1808	Marker	Conway-UK
16987.0	CW	Hong Kong	VP5	Victoria Is. Radio	0957	Marker	Rocker-M1S
17004.0	CW	Colombia	HKB	Baranquilla Radio	2101	CQ Marker	O'Connor-NH
17007.6	CW	USA	KLB	Seattle Radio	2139	Marker	Conway-UK
17008.5	CW	Turkey	TAH	Istanbul Radio	0621	Marker	Conway-UK
17018.0	CW	S. Africa	ZSC	Capetown Radio	1655	Time signals	Kline-CA
17037.0	CW	Romania	YQ16	Constanta Radio	1135	Tfc	Conway-UK
17045.0	CW	USSR	ROT	Moscow Naval	0610	Soviet Navy. Marker	Conway-UK
17050.0	CW	Israel	4X2	Haifa Radio	1940	Marker	Conway-UK
17066.0	RTTY	Unknown	...	Unknown	1646	SITOR-A. News in German	Moon-RSA
17077.0	CW	USSR	UAH	Tallin Radio	1830	Marker	Conway-UK
17081.6	CW	Japan	JFA	Matsudo Radio	1636	Marker	Conway-UK
17093.6	CW	Pakistan	AQP7	Karachi Naval	0731	Pakistani Navy. Marker	Conway-UK
17107.0	CW	USSR	ESF	Tallin Radio	1320	Marker & tfc. Former call: UTA	Conway-UK
17115.0	CW	USSR	URD	Leningrad Radio	1627	Marker	Conway-UK
17122.4	CW	Brazil	PWZ33	Rio de Janeiro Radio	2148	Marker	Conway-UK
17131.0	CW	USSR	UJ07	Kiev Radio	1429	CQ Marker	Blair-CA
17138.0	CW	USSR	URB2	Klaipeda Radio	1116	11arker & tfc	Conway-UK
17141.6	CW	USSR	UBN	Zhdanov Radio	1114	Marker & tfc	Conway-UK
17145.0	CW	Bulgaria	LZW6	Varna Radio	1616	Marker	Conway-UK
17146.4	CW	Guam	NRV	Barrigada	1556	USCG 11arker	Conway-UK
17149.0	CW	Costa Rica	TIM1	Limon Radio	2125	CQ Marker	Conway-UK
17155.0	CW	USSR	UKA	Vladivostok Radio	2122	Marker	Conway-UK
17169.0	CW	Bahrain	A911	Bahrain Radio	1921	Tfc	Conway-UK
17170.4	CW	Morocco	CNF	Casablanca Radio	1143	Marker	Conway-UK
17170.4	CW	New Zealand	ZLB	Awarua Radio	1947	CQ Marker	Conway-UK
17175.2	CW	Canada	VAI	Vancouver Radio	1610	Canadian Forces. Marker	Conway-UK
17184.0	CW	Philippines	DZK	Bulacan Radio	...	Broken and choppy signal	Hardester-JP
17184.8	CW	Indonesia	PKE	Amboina Radio	0646	Marker	Conway-UK
17184.8	CW	USA	KFS	San Francisco Radio, CA	2056	11arker	Conway-UK
17189.6	CW	Angola	D3E71	Luanda Radio	1601	Marker	Conway-UK

17190.5	CW	USSR	UHK	Batumi Radio	1215	Marker	Conway-UK
17195.0	CW	Brazil	PPR	Rio Radio	1219	Marker	Moon-RSA
17239.1	USB	Cyprus	5BA62	Nicosia Radio	1851	Marker	Jones-TN
17240.0	USB	USSR	...	Unknown	1305	Radio Moscow Feeder	Rocker-MIS
17316.6	USB	France	FFL81	St. Lys Radio	2350	Marker	Rocker-MIS
17387.0	USB	Cyprus	5BC84	Nicosia Radio	2210	Marker	Rocker-MIS
17524.5	RTTY	Thailand	HSW61	Bangkok	1340	425/50: Meteo. Listed in CFL as 17520.4	Moon-RSA
17904.0	USB	ICAO CEP/CWP/SP AREAS	...	Stations reported include: Honolulu, HI	Stringer-NZ
17910.0	CW	Angola	D3E	Luanda Radio	1507	Marker	Moon-RSA
17925.0	USB	Mexico	...	Tijuana Aeradio	1855	All Spanish. Wkg MEXICO 516	Flynn-CA
17946.0	USB	ICAO NAT-A AREA	...	Stations reported include: San Juan, PR	...

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So, what's the best way to fill white space when you have no time to think of anything clever to say? Why, clip art, of course! I mean, it worked last month, right?



This is Mr. Hussein's friend, the AH-64 Apache Advanced Attack Helicopter. With a 30mm M230 Chain Gun, 8 Hellfire anti-tank missiles and 38 70mm rockets, when a few of these suckers show up in Hussein's backyard, it will indeed be a beautiful thing.

Best 73 until April, *[Handwritten signature]*

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