

SWL

SEPTEMBER, 1990

Volume 20, Number 9



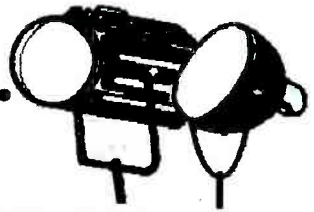
Fine Tuning's *Proceedings 1990* is this year's information-packed collection of in-depth reviews, articles, and features for the SWBC DXer. This 3rd edition is presented again in a photo-reduced format (equivalent to 300 typewritten pages) due to the volume of information. 16 experienced DXers have written for this 1990 edition, and each article has been thoroughly examined by a review panel of leading DXers. Included are reviews of receivers and accessories, six great DXing features, compendiums on DXpeditions and modifications for the Sony ICF-2010/2001D receiver, antenna articles, and much more. This is an essential reference for any SWBC DXer.

Proceedings 1990 is shipping now. The cost is \$19.50 plus \$2.00 postage (US funds, please). Outside of North America, postal costs are \$3.00 surface book rate (3-4 months typical delivery time) or \$15.00 airmail. Make checks or money orders payable to Fine Tuning Special Publications and mail: c/o John Bryant, RRT #5, Box 14, Stillwater, OK 74074 USA. SPECIAL NOTICE: a limited quantity of *Proceedings 1988*, the premier edition, will be reprinted in early October. Price and shipping costs same as above.

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| 2. SPEEDX SPOTLIGHTS/DX MONTAGE,
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THE DX MAGAZINE FOR ACTIVE SWLS

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.....)

SEPTEMBER 1990

TOTAL CONTRIBUTORS: 27

5 BISHOP, FORREST	NY RF4800	4 LANGLOIS, HAROLD	FL
1 BROWN III, EDWARD	IL ICF6800W	5 LUKAS, HANK	NY FT757GX
1 CARSON, JOHN	OK SPR4	2 MALONE, STEVE	TX
8 CICHOREK, EDWARD	NJ FRG8800	5 NEFF, GEORGE	FL RF2600
5 D'ANGELO, RICHARD	PA IC-R70	1 PARK, DALE	HI R500B
1 EVANS, JAMES	TN IC-R71A	4 PRATH, JOHN	FL NR0525
6 FINDLATER, JOHN	CA	1 REEVES, ROBBIE	OR ICF2010
5 FLYNN, BILL	CA R7A	4 ROCKER, RAYMOND	MS
5 GEARS, GARY	IL R5000	6 SCOTT, VAL	CA IC-R71A
3 GEORGE, STEVE	MA R5000	3 TRESCHER, FRED	PA ICF2010
5 HARDESTER, MIKE	JP IC-R70	1 WAKEFIELD, PAUL	IA ICF2010
6 JOHNSON, TIM	IL R5000	1 WESTENHAVER, WILLIAM	PQ ICF6500W
4 JONES, ANTHONY	TN	1 WOLFSON, MIKE	OH R5000
5 KARCHESKI, WALTE	MA R5000		

THE FOLLOWING COLUMNS DIRECT CONTRIBUTIONS WERE NOT RECEIVED IN TIME:
EVERYTHING BUT CDE MATERIAL!

THE FOLLOWING COLUMNS ARE INCLUDED FROM LAST MONTHS BULLETIN:
AFRICA

NEW FULL MEMBER FOR SEPTEMBER
VAL & SCOTT.....CA

Congratulations Val. Thanks for your recent contributions to SPEEDX! Glad to have you aboard!

And we have two new first time members to Spotlight this month...

STEVE MALONE.....TX
DAYMOND DOCKER.....MS

WANTED: Copies of or info on how to obtain copies of a publication entitled "Spark Gap Times" from either 1963 or 1964. If you can help, please call collect: Art Ronnie, Los Angeles, CA. 818-797-3808

LET 'EM GO! Unclutter your shelves and help me clutter mine! Needed - SPEEDX, pre-1972 (all), 1972 (7, 12), 1973 (4-9), 1974 (2, 5-12), 1975 (all), 1981 (2), and 1983 (2). Like any good completist, will pay reasonable amounts for the above. Thanks. Al Quaglieri, P.O. Box 888, Albany, NY 12201-0888

FOR SALE: Kenwood R-2000, full coverage receiver with RIT tuning option for excellent UTE reception. Perfect condition, with original carton and manual. Logged 178 countries in the past 2.8 years with this receiver. Price \$350, including shipping and insurance. Steve George, 23 Dana St., Amherst, MA 01002. Phone 413-549-5537.

WANTED: BUILD YOUR OWN SATELLITE DISH ANTENNA, written by Gordon L. Williams, W5ITI, issued by Power Gain Systems, West Monroe, (no state given), USA. If you have access to this book and could help out, please contact Andre Tatter, Kurt-Schumacher-Str. 27, D-3500, Kassel, WEST GERMANY.

LOOKING FOR A RIDE: Barry Rader who lives in Fostoria, OH, is looking for a ride or co-traveler to attend the Mt Convention in Knoxville, TN on Oct. 5th - 7th, 1990. Barry is more than willing to help pay for "gas, food, lodging, etc." or any airfare's that might be involved. If you can help, please call Barry as soon as possible. His phone number is 419-435-3836. Thanks...



DX MONTAGE

LETTERS AND QUIPS FROM 'ROUND THE WORLD!

AND THE WINNER IS...

At the annual DX-Parliament arranged by the Swedish DX-Federation (SDXF), this year held in Vasteras, Mr. Tor-Henrik "Torre" Ekblom was awarded the gold plaque of the SDXF. Only very few DX personalities have been awarded it before, among them Jens Frost, creator of the modern WRTH and Arne Skoog, founder of Sweden Calling DX-ers.

Mr. Ekblom, originally from Finland, has been a DXer since 1952 and is still enjoying the hobby very much. He was one of the leading DXers organizing the DX community in Finland before moving abroad to work in the airlines business for several years. He is now living in Stockholm, heading the Finnish state tourist bureau.

Mr. Ekblom has been a very important contributor to the WRTH for 20 years. The last 15 years he has been co-editor of the Latin American section. Recently he has eased his burden a bit, "only" producing the Brazilian part of the WRTH. He is also producing the WRTH LA Newsletter which via several bulletins gives invaluable updates for the active DXer.

Congratulations Mr. Tor-Henrik Ekblom from SPEEDX!

MY PUBLISHED LIKES ME THIS MONTH...
I THINK?

As I mentioned last month, there will be little or no Spotlights this time around because of a pending business trip which will keep me away from my home when the column is normally published. Therefore, I'm doing a half week earlier than I normally would, which means that Eddie will be getting it a lot earlier this time! You're welcome Eddie!



Of course, the bad news is that it's going

to be extremely hard to get the contributors information in. We'll see what the mail brings the next two days. I'll get in as much as I can and the rest will be held over until next month!

But, GUESS WHAT??? I've got the same problem again next month, so most of the contributors info for the October issue will be held over until November, when I'll finally be home long enough to get everything up to date!

What the heck is Trautschold doing these next two months? Well, as some of you may know, I work in broadcasting for CBS TV. As a member of the I.B.E.W. (International Brotherhood of Electrical Workers, which represent engineers like me in broadcasting) I will be helping negotiate a new contract for all CBS Technicians and Engineers nationwide. All of this will take place in sunny San Diego at the Catamaran (I think that's spelled right!) Hotel. Although I'll be spending the vast majority of my days in meetings, if you live in the area why not try giving me a call. I'll be there the last three weeks of September. Oh what fun it'll be!

FROM THE DESK OF HAROLD LANGLOIS...

I've got a stack of really interesting items from Harold that have been piling up these past few months, so time to clear it off!

From *Insight*, June 18, 1990...

RADIO FREE EUROPE OPENS MORE BUREAUS

"A week after the U.S. Advisory Commission on Public Diplomacy recommended that Radio Free Europe cut back programs in the wake of changes in Eastern Europe, RFE announced the opening of new bureaus in Prague and Warsaw.

"The late-May move followed bureaucratic infighting touched off when the commission, which evaluates programs of the U.S. Information Agency, issued a report saying Radio Free Europe's programs should

be terminated. The report suggested that assets of RFE - which is overseen not by the advisory commission but by the Board for International Broadcasting, an independent executive branch agency - be transferred to the Voice of America, part of the U.S. Information Agency.

"...Given that Radio Free Europe enjoys several times the audience of Voice of America in Eastern and Central Europe, it is premature to call for an end to RFE broadcasts to countries of this region," said chairman of the board, Malcolm S. Forbes, Jr.

"A National Security Council panel is preparing recommendations for President Bush on the future of Radio Free Europe and is expected to propose that its operations be shut down or revised."

(Hm...let's hope my bosses at CBS don't hear about this next article! ...Hm...worry ...brood ...unease ...anxiety...)

From *Insight*, August 6, 1990...

CIRCUIT BOARDS FIX THEIR OWN PROBLEMS

"An International Business Machines Corp. researcher has devised a process by which integrated circuit computer chips can repair glitches in the wiring that runs between them on a circuit board. This may eventually lead to chips that are able to repair flaws within themselves. (Ed. note: Oh me...oh my...)

"The self-repairing process developed by C. Julian Chen of IBM is a variation on electroplating. The circuit board is immersed in an electrolyte solution. When a high current is passed through a wire with a constriction, more heat is generated there because the wire is thinner and has greater electrical resistance. The increased temperature induces a flow of metal through the electrolyte from cooler, thicker parts of the wire to the constriction site, fixing the flaw.

"In the past, correcting such defects has been quite difficult. Those that are pinpointed have conventionally undergone a repair technique that involved soldering. Chen's

process can repair multiple glitches and turn itself off when the constriction has become sufficiently plated."

NOW THIS IS DXING!

"Hoping to Hear from Extraterrestrials"

Excerpts from an article in the *St. Petersburg Times*, March 26, 1990

Submitted by Harold Langlois, FL

"When the call comes, Harvard physicist Paul Horowitz thinks it may happen something like this:

"Joe Caruso, Horowitz's associate, will be watching a computer screen displaying faint radio static from space as a wavy line. Suddenly, the line will spike upward.

"The spike means the big 'ear' outside - an 84-foot radio telescope - heard something loud, something out of the ordinary, emanating from deep space.

"A deliberate signal? Probably not, Caruso will reason. But just in case, he will aim the big telescope so it will listen to the same spot in the sky again the next day, when Earth's rotation once again swings the instrument into position.

"Twenty-four hours later, with the telescope pointed at the same spot, the wavy line of the computer screen will spike upward again, signaling that the telescope has heard the noise for a second time.

"Caruso, from his chair in front of a supercomputer at the Harvard University/Smithsonian Institution Oak Ridge Observatory, then will pick up a telephone and call Horowitz at his office 40 miles away on the campus of Harvard University.

"Finding the signal a second time 'will be our first tip-off that something neat is happening,' Horowitz says. "That will get me moving."

"Horowitz is conducting the most extensive Search for Extraterrestrial Intelligence (SETI) in the world. There have been others before him, and others will soon join him - notably, the National Aeronautics and Space Administration (NASA).

"With about \$8-million from next year's budget, NASA says it will build listening equipment that will greatly broaden the search. NASA's listening effort will be

two-pronged; One part of the search will target about 700 nearby stars similar to the sun; the second will survey the whole sky.

"NASA's specialized equipment - a spectrum analyser that can simultaneously search many millions of radio wave channels - is to be ready by 1992. The analyser will be attached to existing radio telescopes, such as NASA's big Deep Space Network system, and then will begin the most complete search for extraterrestrial signals ever conducted.

"Horowitz's work has been sponsored since 1981 by the Planetary Society, (ed. note: of which I am a member! Neat organization!) a non-profit organization whose members encourage exploration of the solar system. With a membership of about 120,000 in more than 70 countries, the society claims to be the largest space-interest group in the world.

"The longest uninterrupted search has been at Ohio State University in Columbus, where a telescope as big as three football fields has been listening since 1973.

"What makes Horowitz, Klein and many others so sure there is life elsewhere? They say the odds overwhelmingly favor it.

"There are billions of galaxies, and each galaxy contains hundreds of billions of stars, or suns. As stars go, our sun is rather commonplace.

"But more important, Horowitz argues, We have learned in the last few decades that the formation of planets around the uncounted billions of stars is probably the rule, rather than the exception.

"And what might other life forms be like?

"I expect some are less advanced than we are, Horowitz says, and some are probably so much more advanced that they would seem, to us, almost magical.

"Given that intelligent life might me out there, Horowitz and others argue that not only is it a good idea to try to contact it, it would be irresponsible not to make the effort."

SDIES' RADIO VOICE FALLS SILENT

From the *Montreal Gazette*, June 9, 1990
Submitted by Bill Westenhaber, Montreal

"One, seven, five, three, eight - then silence. The female radio announcer from East Berlin with the metallic voice didn't even

say goodbye on the last of her final cryptic shortwave broadcasts.

"West German counter-intelligence officers, who have listened to the station for years, waited in vain for Thursday's weekly broadcast, and yesterday said East Germany appeared to have closed down the coded orders to its spies.

"Bonn intelligence officers suspect the spies have been told to come in from the cold. But they are not expected to return in droves. Many hold respectable jobs in the West and are unlikely to give them up."

ANARC NEWSLETTER TEMPORARILY SUSPENDED

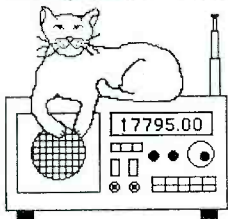
Publication of the ANARC Newsletter has been suspended during the current transition period caused by the resignation of the Executive Secretary. An interim coordinator has been selected to manage day-to-day operations and lead an examination of all ANARC activities. At this time, we are therefore not accepting requests for sample copies of the Newsletter nor renewing subscriptions. If publication is resumed, all subscriptions will be extended and those whose subscriptions had been due for renewal will be notified of the resumption of publication. If publication is terminated, refunds will be made to the extent possible to those with unexpired subscriptions. (Robert Gunderson, ANARC Publications Manager)

RADIO KUWAIT & THE IRAQI INVASION

Last minute report submitted by Tim Johnson of Illinois...

On Aug. 2, the day of Kuwait's invasion from Iraq, R. Kuwait stayed on the air for 36 hours! I heard them on 13610/13620 at 2000 UTC in AA, not EE as usual. It seems, (according to R. Sweden) that R. Kuwait was able to rig a mike at a remote desert xmttr site.

All xmsns were in AA w/occasional playing of exotic music & lots of appeals for help from it's Arabic neighbors. Eventually, Iraqi forces located the site & shut it down. (Unfortunately, I hadn't heard the exact time this took place.) My only regret is not being able to understand Arabic. It may be a long time before R. Kuwait is heard again.



Continuous Tuning

Ed Janusz
 Box 149
 Bricktown, NJ 08723

Hi. This announcement from Radio Norway International is great, so I'll copy the whole thing.

RADIO NORWAY INTERNATIONAL Saturdays and Sundays from September 8

Finally! We've been reading letters from listeners on the air for more than forty years by now, and the one question that you have kept asking during these forty years is: Why English only on Sundays? Our answer: Well, Norway is a small country, inhabited by people who were already fed up with war, political ambition and Mickey Spillane novels when the Vikings closed shop back in 1200 A. D. So what can we teach the world? Not much, to be quite honest. Teach Americans how to do business? The Germans how to keep their trains on time? The Swiss how to make watches? The Swedes how to make cars? The Japanese to be efficient?

No, we couldn't, and I suspect our listeners wouldn't want us to. What we will try to do is keep you informed on what's happening in the Far North.

Tune into Nature Notes--because Earth matters and we're stuck here. Stay with us for Pinpointing People and Places--and meet real Norwegians (a strange lot, if you ask me).

Keep your ears glued to the radio for Made in Norway (remember our feature on cod liver oil? It could add years to your life!).

And don't forget Listeners' Corner (Question of the year, from a listener in...oh well, I shan't tell: Could you please send me some pornographic magazines?).

There's more, of course. On the Record features Norwegian music. Trends and Traditions lets you know more about Norwegian culture--present and past. News and Views will keep you up-to-date on Scandinavian issues.

Dissent will give you a critical view on Norway and Norwegians. So stay with us. Saturdays and Sundays.

--Sverre Fredheim, Head of External Broadcasting

Staff: There's nothing here for DX'ers!

Head: Nothing for DX'ers?

Staff: Nothing.

Head: Okay, let's see. (Head thinks for two days, doing little else).

Staff: What we'll do is, we'll print 100 special diplomas. To get hold of one, you have to listen to our first-ever Saturday transmission in English!

Head: And write a listener's report?

Staff: Correct.

Head: And send it to Radio Norway International, N-0340 Oslo, Norway?

Staff: You're a genius!

Schedule:

01:00	NAM/CentAm	9615,11925	17:00	Europe	9655	Tnx
02:00	NAM/CentAm	9615	18:00	NAM	17755	Jeanne
	NAM	11735	19:00	Eur/WAfrica	15235	Ferrell
12:00	India/Aust	25730		WAfrica/SAM	25730	
	FarEast/Aust	21735		FarEast/NZea	15220	
13:00	EastEur	9590		SAM	21705	
	Eur	9585	21:00	FarEast/Aust	15165	
16:00	MidEast/India	15220	22:00	SAM	15195	
	EAFrica/Midea	25730		WAfrica/SAM	17730	

*

RADIO VILNIUS English Schedule

Tnx John Carson

21:30-22:00 (no target given) 6100

22:00-22:30 (no target given) 11790, 13645, 15180, 15455, 15485

I hope this is right. The schedule actually refers to 9:30 PM and 10:00 PM GMT. I've never seen 12-hour GMT before, so I just added 12 and hope it comes out okay. In the immortal words of Christopher "Mad Dog" Russo, "This isn't brain surgery, folks, this is radio."

ABOUT OUR COVER: A non-review of Proceedings 1990

Don't let the number fool you. This is not a typical annual, at least not in the sense of...well, let me put it this way: I've probably referred to Proceedings 1988 (!) more in the past 2 months than I've referred to the 1990 WRTH. And when was the last time you looked at your 1988 WRTH?

You might call the Proceedings books the foundation of a serious DXer's library, or an in-progress Encyclopedia Galactica of shortwave. I hope to have my copy of the new one in time for next month's column; but, in the meantime, I want to say that I've found Proceedings to be the best kind of books--those that it takes a long time to recognize how valuable they really are.

*

RADIO KIEV English Schedule

tnx John Carson

20:00-21:00 to Europe 9865 (thru Sept 2); 7280 (from Sept 3)
23:00-00:00 to NAmerica 11770; 12005; 12060; 15190; 17665; 17690
(thru Sept 30)

TANZANIA

Radio Tanzania is currently testing a new external service. They've been heard on 5965, 5985, and 6115 kHz, and they say they welcome reception reports. (SCDX #2101)

USSR

Radio Moscow and an American company, Trans World Communications, have entered into an agreement for the latter to produce a one-hour programme about the Soviet Union and air it daily over Radio Moscow. Commercials will be aired, and profits will be divided 50/50 between Radio Moscow and TWC. The hope is that American, Japanese, and European cable companies will broadcast the audio. (RNMN July 6, thanks to Robbie Reeves).

Spending of the USSR, and speaking of Robbie Reeves, he's going there. If you want anything mailed from the Soviet Union, send Robbie the sealed but unaddressed envelope and 45¢ in stamps (to cover the Soviet postage stamps he'll have to buy there), and send the destination address separately (they address mail differently in the Soviet Union). He's at: 215 S. E. 18th St., Troutdale, OR 97060.

I was playing correspondence chess with an East German who asked me to mail a birthday card to his girlfriend, just for something different. It was fun. Don't drop everything to get your envelopes ready just yet, 'cuz this trip isn't happening until March. (Basically, it's Troutdale's finest visiting their sister-school in Minsk, Byelorussian SSR, with a side-trip to Moscow and maybe Leningrad if there's time).

GUAM

The Australian Radio DX Club will be issuing a special 25th anniversary QSL card between May and December 1990 for any of the ARDXC programmes aired on radio, including "DX AsiaWaves" on KSDA, Guam. The report must include: Date and time in UTC, frequency, programme details and comments, signal strength and quality, and one of the following--two IRC's, US \$1, or Australia \$1 (or appropriate return postage, if you have some Aussie stamps kicking around). The address is:

ARDXC

P. O. Box 227
Fox Hill, Victoria
3128 Australia

Tnx Ed Cichorek

RADIO CAIRO For North America

English:

02:00-03:30 9475; 9675

Spanish:

00:45-02:00 9475

Arabic:

00:30-03:30 9900 (Eastern)

03:30-04:30 6195 (Western)

General Programme:

01:00-05:30 12050

06:00-14:30 12050

14:30-22:50 12050

Voice of the Arabs (various targets in the Gulf and North Africa):

02:00-05:00 9770; 11905

05:00-10:00 11980

05:00-17:00 15285

10:00-13:00 11980

17:00-23:30 9700; 11785

18:00-23:30 11665

Tnx Jason Berri--do you really read this column, Jason?--and Jari Perkiomani).

COMPUTER NOOZ

A WARC-92 bulletin board has been set up at (202) 833-1591. When you get on, hit the space bar. At the prompt, type "Preview." It's the standard 8-N-1 format and can handle modems of 300, 1200, and 2400 baud. (RNMN; tnx Robbie Reeves)

IN THE MIDEAST

Here is a potpourri of information I've been able to gather together on monitoring the Middle East. I'd like to thank the following people: Ben Krepp, Richard Langley, Lee Bowgren, Don Weber, and Hans Johnson (reporting in Fine Tuning # 571).

SCHEDULE FOR BFBS (BRITISH FORCES BROADCASTING SERVICE)

02:00 - 02:30 7125, 9640, 13745
09:30 - 10:00 15205, 17695, 21735
13:30 - 14:00 15195, 17695, 21735

The interval signal begins about 10 minutes before the start of the transmission, and is a jingle (a la rock music stations) with the words "BFBS--keeping you in touch." During the programme, they also ID as "Forces Radio."

The audio originates in London from a "live" announcer, and the transmitters--reportedly in Britain and in Cyprus--are provided by the BBC.

The mailing address for this BFBS operation is BFPO 786, but I imagine that, for QSL's, a better address might be:

British Forces Broadcasting Service London
P. O. Box 1234
London W2, England, UK

KUWAIT

The last report of Radio Kuwait that I've seen was in FT # 571; they were heard by Jim Streitmatter in Indiana at 07:50 on August 3. Hans Johnson, who is fluent in Arabic (and who contributed an article on DXing the Arab world to PROCEEDINGS 1989), offers the opinion that the large transmitter farm at Kabd was in use until the very end (by way of corroboration, SCDX reported later that these transmitters were in use all along, and that it was the studios that went clandestine), and notes, "The real mystery is why it took the Iraqi army so long to capture the transmitter site. Perhaps the Kuwaiti army fought better than most news reports would have us believe."

SOME SCHEDULES (Broadcasts in the Middle East, in English)

IRAN:

11:30 - 12:25 9575, 9705, 11715, 11780
19:30 - 20:30 6035, 9020

JORDAN:

11:00 - 13:15 13655
13:20 - 16:30 9560

UNITED ARAB EMIRATES (Radio Dubai):

13:30 - 14:00 9600, 11985
16:00 - 16:45 11795, 15320, 15435, 21605
22:00 - 00:00 9600, 11985, 13605

IRAQ:

01:30 - 03:30 11830
20:00 - 22:00 13660

TURKEY:

03:00 - 04:00 9445, 17785
12:30 - 13:00 17785
20:00 - 21:00 9795
22:00 - 23:00 9445, 17785

SYRIA:

20:05 - 22:05 12085, 15095

EGYPT:

02:00 - 03:30 9475, 9675
12:15 - 12:30 17595
20:30 - 22:00 15375
21:15 - 22:45 9900

ISRAEL:

(New schedule to NAM, monitored 8/27)

00:00 - 01:00 9435, 11605, 12077
01:00 - 02:00 9435, 11605, 12077
02:00 - 03:00 9435, 11605, 12077

My deepest appreciation to everybody who is serving in the united effort over in the Gulf, both in the Armed Forces and in the refugee relief efforts.

THE MELLIFLUOUS TRUMPETING OF ANNOUNCEMENTS

A little confusion has been raised by the Great SPEEDX Publisher Search. Just to set the record straight....

This publication will not go without a publisher. I'm not quitting until/unless a suitable replacement is found; I may be lazy, but I'm not totally irresponsible. The Search will intensify if I get hit by a meat truck or something, but Al or J. T. can hold the fort for a month or two if such an unfortunate event does happen. OK?

Actually, I may not be able to quit, because Tim the Printer (aka PIP Printing of Bricktown) has just given us a break on printing costs, and it would be tough to match the price or quality anywhere else.

So, if you must speculate, cut me a break! Don't think bad ("...abandoning SPEEDX, joining the circus, dressing up in a grubby clown suit and handing out lollipops to whiny kids..."), think good ("...been spotted cruisin' the Taj with Maura; wonder whose car they brought, huh?")!!

----- ! -----

RADIO NETHERLANDS Programme Hi-lites!

MONDAY: "The Research File"

9/3: Anne Blair Gould examines stress in humans and dolphins. 9/10: The British Association for the Advancement of Science conference in Swansea. 9/17: The Dutch research nuclear reactor at Petten. 10/1: The latest technology in making and testing carillons.

TUESDAY: "Images."

Over the next few weeks, "Images" profiles people in the world of jazz and serious music. 9/4: Kurt Mazur, future conductor of the New York Philharmonic.

WEDNESDAY: "Brief Encounters", &c.

Through 9/5: Finishing the series on Surinam and the Netherlands Antilles. 9/12-19-26: "Brief Encounters," from the diary of Pete Myers, who was once offered a job working for Idi Amin.

Starting 10/3: "Home, Market, and Family." A series about European integration. The first programme deals with the history of the European Coal & Steel Community to the current momentum towards establishing a single market. Will it really mean a free flow of goods, money, and people throughout the EEC at the end of 1992? In subsequent programmes, Ginger da Silva will travel to each of the 12 member countries to find how the various members view this fast-evolving community. Will Italians eat more Dutch cheese, will Belgians still feel like Belgians, and it it all a German plot?

THURSDAY: "Media Network."

9/6: The jingle and promo industry. 9/13: News from the WRTM editorial office in Amsterdam. 9/20: The NAB programmers' conference in Boston; Ireland's new radio scene. 9/28: Victor Goonetilleke reports. 10/4: A special programme for those new to the field of international radio listening.

FRIDAY: "The Rembrandt Express" (Caribbean, Pacific, and North American services only; alternatively, "Asiascan" or "Airtime Africa.") The social aspects of life, plus a glimpse at the entertainment scene.

SATURDAY: "Over to You."

SUNDAY: "The Happy Station."

HCJB Programme Hi-Lites!

MONDAY: "Dateline 90"

9/3: The Single Life--the reality vs. the myths. 9/10: Life Behind Bars--is there hope? 9/17: Creation--A Religious Fairy Tale or a Scientific Alternative. 10/1: Charles Colson says, "The West is on the verge of a new Dark Age." 10/8: The Creative Urge. 10/22: Ethnic hatred. 10/29: Listeners' Forum. This edition will update stories since the last forum (7/30) and air listeners' comments. Details of a contest will also be announced.

SATURDAY: "DX Partyline."

9/1: DXing Peru; "Radio Stamps" with Neil Carleton. 9/8: Broadcasting in Uganda; the Panasonic RF-B40; "ODXA Perspective," with Cindy Ellen Morgan. 9/15: Computer programs you can use with your R-5000; the Pacific DX Report; the "SPEEDX Report," with Gary Gears and a special guest (wonder who that could be?). 9/22: Broadcasting in the new Romania; reports from ANARC, SPARC, and the EDXC. 10/6: Learning about "SNAP" at the Voice of America. What is it and how does it facilitate news writing. Also, "Radio Stamps." 10/13: Broadcasting in Cambodia;

a review of Grundig's new portable, the Cosmopolit (that's the one with the tape recorder built in). 10/20: How to hear Pitcairn Island on shortwave; the Pacific DX Report; Gary Gears is back with another "SPEEDX Report."

VOA IN SIBERIA

An independent Siberian radio station is now relaying VOA's programmes. The station is Novaya Volna in Novosibirsk, with an estimated listenership of four million; try for them, if you wish, on 270 kHz on your longwave dial. (SCDX # 2099, from Kim Andrew "The Audience Research Department" Elliott).

This is pretty neat. I love programme information, and there's a lot of it this time around. This column is almost writing itself! Let's see what other DX stuff I can find....

I could tell you about k. d. lang, the eccentric Grammy-winning singer, who is being boycotted by various Midwestern country music stations on account of her involvement in an advertising campaign entitled "Meat Stinks," sponsored by People for the Ethical Treatment of Animals. (Ms. lang is a vegetarian.) KSRB-AM, in Sioux Falls, SD, is running a phone-in contest--whenever they play one of Ms. lang's records, a lucky caller can win a filet mignon. (Los Angeles Times, thanks to James Kline) Jim, good to hear from you again. Folks who don't normally listen to country music might have heard k. d. lang via the "Dick Tracy" soundtrack...she's an exceptional talent.

And I could tell you about some new publications: In fact, this is in the realm of "DX Montage," but, as you've noticed by now, John is on a very tight schedule these days, so here's some last-minute information which came in after he wrapped up for this month. Here's one:

Buenos Aires, August 1990

Dear Oms,
We are writing to you so as to let you know that the Second Edition of our publication, LATIN AMERICAN RADIO WORLD, has been already published. It has been prepared with the most updated info (July 1990) and you will find all Latin American home services in the 2-30 MHz range, including: Frequencies, station names, transmitter sites, broadcast times, usual slogans and additional remarks, plus addresses, chairmen's names, and, when known, v/s names, and if the station has verified in the last 18-month period. This year, we've also included information concerning LAM time signal stations.

Printed in A-4 size, it's double spaced for updating ease. The price is US\$5 (cash only, please!) or 10 IRC's, this includes airmail worldwide. We would like you to please mention this work in your publication or programme if possible, as a way of helping us make better known this--we think--most useful source of Latin American information. Thanking you in advance for your cooperation, we remain,
Yours sincerely,
JULIAN ANDERSON

GABRIEL IVAN BARRERA

You got it, gentlemen. Anything published by these accomplished and thorough DXers can be highly recommended. Send your orders to:

Latin American Radio World
Casilla 4616
1000 Buenos Aires
ARGENTINA

*

WHAT IS LA VOZ DE LA FUNDACION?

It is, of course, the "clandestine" anti-Castro shortwave station which surfaced on Radio Clarin, Dominican Republic, last fall and now can be heard via WHRI in Indiana. Let's take a look at some of the background.

The Cuban-American National Foundation was started by anti-Castro exiles in the United States, and became a highly respected educational foundation. These days, it is run by Jorge Mas Canosa, and has become politicized to the extent that it has been working on a draft for a "transitional constitution" for a post-Castro Cuba--which Mas would apparently like to govern.

Although Jorge Mas denies any ambition to be President of Cuba, his political ambitions seem to be a matter of public record. He has hired Arthur Laffer (the economist of "Laffer Curve" fame) as an advisor in redesigning the Cuban economy along market lines, and has also approached

Milton Friedman to take on a similar post. (Friedman, who was retained by the Chilean military government several years ago as an advisor, turned Mas's request down). It is reported that the Cuban-American National Foundation has donated over \$180,000 to candidates for the House and Senate, and financed a successful campaign against former Miami City Commissioner Joe Carollo, whom Mas once challenged to a duel on a radio show in Miami.

La Voz de la Fundacion is not the only media vehicle for Mas and the CANF; the group has apparently moved into a position of central influence in the USIA's Radio Marti and TV Marti. Radio Marti's original director, Ernesto Betancourt, who achieved widespread respect for the quality and objectivity he brought to Radio Marti's programming, was forced out of the agency in March. (Betancourt was opposed to the TV Marti program, on the grounds that it would give a propaganda edge to Castro without offering sufficient countervailing benefits. While this power struggle was going on, Mas had apparently lined up a deal whereby TV Marti's programming would be distributed via Channel 23 in Miami, a privately-owned station, and controlled by the CANF). Mas is now the head of President Bush's advisory board for Radio and TV Marti.

The Radio Marti charter, announced in March of 1985, states clearly that "the news must not be bent to suit a person's ideological conviction, or that of any special-interest groups, organization, or government."

Sources: "Clandestine Profile" columns by George Zeller in the 12/89 and 1-3-4-5-6/90 issues of A*C*E* (Association of Clandestine Enthusiasts).

"Listening In" column by Fred Waterer in the 6/90 DX ONTARIO.

JPI syndicated column by Georgie Anne Geyer, 3/15/90.

THE WALL STREET JOURNAL, 5/11/90.

Incidentally, La Voz de la Fundacion has nothing to do with La Voz de CID, the long-time anti-Castro clandestine. CID--Cuba Independiente y Democratica--is headed by Huber Matos, a former political prisoner in Castro's Cuba. Mas accused Matos and CID of trying to kill him in 1988; Matos passed a lie-detector test and was cleared of the accusation by the FBI.

RADIO BUDAPEST Schedule through November 5 (selected)

English (all programmes 30 minutes):

13:30 and 20:00 to Europe 6110; 7220; 9585; 9835; 11910; 15150

23:30 and 00:30 to NAmEr 6110; 9520; 9585; 9835; 11910; 15150 (no Mon)

English (DX-programme; all 15 minutes):

01:30 to NAmEr as 23:30 regular pgm, Tue, Wed, Fri, Sat

09:00 and 09:30 to Asia 6110; 9585; 9835; 11925; 15150; 15220 (Mon-Fri)

09:45 to Europe 7220; 9585; 9835; 11910; 15150; 15220 (Sunday)

10:30 to Europe " " " (Saturday)

15:15 to Europe " " " (Mon, Thur)

Spanish (all programmes 30 minutes):

21:00 to Europe 6110; 7220; 9585; 9835; 11910; 15150

22:00 and 23:00 6110; 9585; 9835; 11910; 15150; 15220 (23: no Sun)

Spanish (DX-programme; all 15 minutes):

09:15 Sat, 10:45 Sun to Europe 7220; 9585; 9835; 11910; 15150; 15220

01:45 Tue, Wed, Fri, Sat to SAAn 6110; 9520; 9585; 9835; 11910; 15150

Hungarian:

00:00-00:30 to NAmerica 6110; 9520; 9585; 9835; 11910; 15150

01:00-01:30 to NAmerica " " " (Mon to 02:00)

10:00-11:00 to Europe 7220; 9585; 9835; 11910; 15150; 15220 (Sunday)

14:00-15:00 to Europe 6110; 9585; 9835; 11910; 15150; 15220 (Sunday)

18:00-18:30, 19:00-19:30, 20:30-21:00 to Europe

6110; 7220; 9585; 9835; 11910; 15150

21:30-22:00 to SAmerica 6110; 9585; 9835; 11910; 15150; 15220

22:30-23:00 to SAmerica " " " (Sun to 00:00)

Thanks to Jason Berri, who pulled this sked off the Internet computer BBS, and to Jari Perkiomani, who put it there.

WOODY SEZ...

The SPEEDX Members' Poll is nearing completion, and will be sent to all SPEEDXers in the reasonably near future.

In the meantime, I sincerely appreciate and respect all comments about this column. If there's any way "Continuous Tuning" can be more interesting, or more useful, let me know, and I'll see what I can do. OK??

CONTEST

Here's a multiple-choice contest. Hint: All the answers can be found in 1 of the last 4 issues of this magazine!! (Well, most of them....)

Deadline: October 15. Prize: I haven't got a clue, but I'll think of something, OK? (Maybe a DW pennant, how's that sound?)

1. VLQ9 broadcasts from (a) Perth (b) Christchurch (c) Brisbane (d) Darwin
2. James Latham works for (a) RCI (b) Radio Prague International (c) RFPI (d) Fine Tuning
3. "Faithfully Yours" is a mailbag programme for (a) All India Radio (b) TWR-Bonaire (c) R. Vatican (d) R. Beijing
4. The President of SPEEDX is (a) Don Ho (b) Harold Sellers (c) Bill Westenhaver (d) Lech Walesa
5. This well-known radio host recently left HCJB (a) John Beck (b) Brent Allred (c) Dee Balenko (d) Glenn Hauser
6. The SPEEDX Utility Station List is arranged by (a) time (b) frequency (c) country (d) how many hours Paul listens to them in a week
7. A frequent winner of "Continuous Contests" is (a) Don Weber (b) Don Thornton (c) Don Vito Corleone (d) Don Baylor
8. The interviews on CBC's "As It Happens" are primarily done via (a) Teletype (b) Telephone (c) Television (d) Tell a friend about SPEEDX!
9. This station recently introduced DIY QSL cards (a) WYFR (b) WSHB (c) WRNO (d) WINB
10. Radio Beijing does not relay from (a) Mali (b) Spain (c) French Guiana (d) Austria

73's, Eddie



WHAT'S ON UPDATE

ENGLISH BROADCAST TO NORTH AMERICA



Daniel Sampson - 4 Turtle Street - Arcadia, WI 54612

Changes Entered July 20-August 17, 1990

UTC Time	Station	Notes	Frequencies
0000-0030	RFPI, Costa Rica	Sa-Su	21565; 13660; 13630
0000-0300	RFPI, Costa Rica	M-F	21565; 13660; 13630; 73750SB
0300-0400	R. Moscow, U.S.S.R.	Wld svce	11980; 11930; 11710; 11675; 9600Cu; 9530
0310-0327	Red Cross, Switz.	---	12035; 9885; 9725; 6135 -- Aug 28, Aug 31, Oct 2, Oct 5, Oct 30, Nov 2, Nov 27, Nov 30
0400-0500	R. Moscow, U.S.S.R.	Wld svce	11980; 11930; 11675; 9685; 9530
1000-1300	R. Moscow, U.S.S.R.	Wld svce	21685; 21495; 17830; 17790; 9600Cu
1300-1400	R. Moscow, U.S.S.R.	Wld svce	21685; 21495; 17830; 17585; 11840Cu; 9755; 9655; 9895; 9640; 7265
1400-1600	R. Moscow, U.S.S.R.	Wld svce	21685; 21495; 17585; 15595; 11840Cu; 9895; 9755; 9655; 9640; 7265
1600-1700	R. Moscow, U.S.S.R.	Wld svce	21685; 21495; 17585; 15595; 15425; 12050; 11995; 11840Cu; 9655; 7265
1700-1800	R. Moscow, U.S.S.R.	Wld svce	21685; 17605; 17585; 15595; 15425; 15135; 12050; 11995; 11840Cu; 7265
1800-1900	R. Moscow, U.S.S.R.	Wld svce	21685; 17605; 17585; 15595; 15425; 15135; 13605; 12050; 11995; 11930; 11840Cu
1800-2000	RFPI, Costa Rica	Sa-Su	21565; 13660; 13630
1900-2000	R. Moscow, U.S.S.R.	Wld svce	17605; 17585; 15595; 15425; 15135; 13605; 12050; 11995; 11840Cu
2000-2100	R. Moscow, U.S.S.R.	Wld svce	17840; 17700; 17605; 17605; 15425; 15355; 12060; 12050; 11930; 11840Cu; 11730
2000-2330	RFPI, Costa Rica	---	21565; 13660; 13630
2100-2200	R. Moscow, U.S.S.R.	Wld svce	17840; 17700; 17605; 15425; 15355; 12060; 12050; 11930; 11840Cu; 11730; 9530
2300-2400	R. Kiev, U.S.S.R.	---	17690; 17665; 15180; 12060; 12005; 11770
2330-2400	RFPI, Costa Rica	Sa-Su	21565; 13660; 13630
2330-2400	RFPI, Costa Rica	M-F	21565; 13660; 13630; 7375 0SB

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

33 David

Latin Notebook



Carl Huffaker
Domicilio Conocido
Huasca De Ocampo
Estado De Hidalgo
Mexico

Shortwave is fading from Latin America. The causes are complex, political, economic, social, and technological, but in Mexico, the pattern is clear and representative.

Some of you can DX Mexican FM from your QTH, others on those infrequent occasions when the Sporadic-E clouds line up for a double hop or a ducting situation occurs. It's worth a try, many stations are as local in flavor as the tropical-band Peruvians, and as varied as the scenery, or the food. For those who plan to travel south, your super-portable will not tune much besides FM from a downtown hotel, and if you drive, be sure your wheels carry a good FM receiver for the band is a constantly-changing world of new discovery.

It was more than a decade ago that the government declared radio a "natural resource" to be used to enhance and preserve the Mexican culture. Spanish was declared the only broadcast language and the Commission on Radio and Television was formed. Their function was not only that of the American FCC, but also a rather absolute control of program content, and additionally, to provide programs for the government time on all stations. Government time was based on an old law, that instead of taxing the stations, the government reserved the right to 1/8 of their air time. For years, this had been little more than "The Hour of Mexico" on Sunday evenings, scarcely approaching the 12 1/2 percent, and several states were raising questions about their share.

But custom is strong in the Latin countries. The RCT had little political power and moved chiefly in the new area of educational TV and integrating that network into the, in Mexico it's federal, school system. New licenses for mediumwave and shortwave stations were effectively frozen both by the economic situation and lack of interest. The university stations, the intended source of cultural and historical programs, were slow to start. And in the newscast area, Echi-veria's old newspaper chain, actually the parent of RMI, was fighting for survival and kept things in a stalemate.

It was during this period that the RCI's authority was expanded to include movies, control of the exploding videotape industry, and distribution of royalties. Televisa had gained an exclusive on the World Soccer Games in Mexico and were investing their foreign payments abroad (although the FCC forced terms that were far from those they desired in the US). That "emergency" and the expansion of RCT activities created the need for additional authority. This was automatically provided as most, if not all, political factions were represented in the Commission.

It was during the quiet period that FM, which really didn't amount to much outside the Federal District, was coming in. The RTC established and implemented a frequency assignment plan that was unusually logical for Latin America. As it must in those countries, it starts with the Capitol. In Mexico, the FM dial consists of 25 stations in neat 0.8 MHz steps across the band. The "provincial" stations are assigned the 0.4 MHz split frequencies between, and these assignments are repeated on an area, usually a state, basis.

The sudden demand for FM assignments came from several sources. There were the state governments that, after being given the unused time on the local TV outlets, were in broadcasting and looking for full time on audio at least. There were the Mexico stations, and most owned AM, TV, and FM outlets in the city, that were looking for a place to expand. There were the villages, that in less than a generation had become towns, that were "ready" for a local station. Mexico's FM stations, high powered and with considerable coverage, served the surrounding areas and cities for a period but their programs designed for those millions imprisoned in their cars during the three times a day rush hours had become of little interest outside the smogbowl. On AM, the Mexico stations had long served a considerable area, but the growth in rural electrification and the increase in electrical QRM in even the smallest inhabited area was limiting their coverage. There was space on the FM dial, frequencies were assigned, equipment was obtained from somewhere, and the Republic became dotted with FM stations.

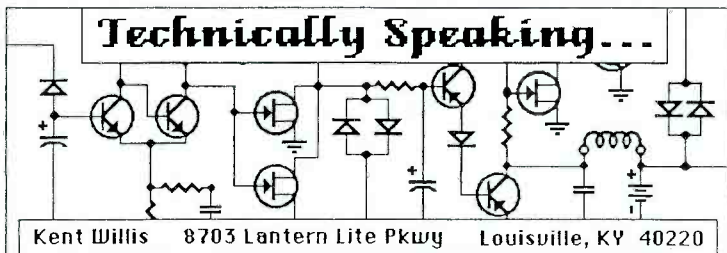
Mexican landlines have long been characterized by poor audio quality and unreliable service. There is a massive program underway to correct this, but broadcasting psychology has never gone through the stage that marked the network growth in the US during the 30's. Instead, Mexico was suddenly confronted by rapid and easy interconnection via its satellite. The stations have been both experimental and innovative. Radio Mil operates two FM outlets in Mexico, both independently programmed. The MW and SW outlets, both in the city, are simoprogramed and ID'd. But the FM outlet in Puebla uses the MW audio with, but not always, appropriate breaks for local ads and ID's. XEW operates both MW and TV nets and a completely independent FM outlet that occasionally carries the TV audio. Radio U.N.A.M. operates on SW, AM, and FM with the same audio and ID's. Several provincial FM stations carry music from from their Mexico station with local ID's and ads. Often at night, they'll use a tape from an old feed with the TC's a neat 5, 10, or 15 minutes off and an OC for the local announcements.

But by far the majority of the FM provincials are programed on the basis of local interest and culture. It seems exaggerated for many seem striving to establish a unique personality, but it's a station personality, not just that of a DJ.

A not so attractive feature is the government PSA's. There's a lot of them and many stations have gone to ad blocks every 20 minutes instead of the half hour to work them all in. Being copies of copies, they're often poor audio quality, and being the audio from TV PSA's, lack something when aired on FM.

But despite their different ownership, programs, and audience, the FM stations are a unit and represent "local radio" in the Republic. I'm far from SW, but a recent broadcast will demonstrate the extent.

It was a four-day fund-raising broadcast to finance a childrens hospital in Puebla. It's to be non-government, privately adminstered, and a civic project that finds its only American parallel in the San Francisco Bridge during the depression. It was a network involving every FM outlet and every AM station in the State of Puebla. TV was present only in its announcers and personalities, but none carried the program. Radio Mil, the only possible SW connection, did not feed back to Mexico and air the broadcast. Broadcast centers were set up at strategic points in the city and in the square of every town and village in the state with a radio station. State agencies, federal agencies, even the President participated, and the local Archbishops carried a message of support from the Vatican. Yet the most commonly used term to describe the group was "the FM stations". It was, perhaps, Mexico's most popular public effort, and it helped establish that group of new broadcasters as the voice of the people.



Welcome. I apologize for the absence of my column for the past few issues. I was quite unexpectedly required to be out of the country for an extended period of time. I spent many weeks at sea aboard a US navy frigate as they were performing joint drug interdiction operations with the US Coast Guard. Although I sailed about in the Caribbean to places as varied as the Dominican Republic, Cartagena, Colombia and Kingston, Jamaica, I had very little time for DX'ing. As I passed through customs in Montego Bay, Jamaica before a little vacation, the inspectors aggressively searched my luggage. The bounced my Sony ICF-2010 onto the floor and damaged the case, but fortunately, it still operates correctly. I guess I just looked like a drug smuggler with my scruffy sea-beard and dirty clothes! It has taken me a great deal of time to catch up on all my business interests, but I think I am ready to reassume my duties as a volunteer columnist. Onward...

Antennas and Impedance Matching: Does It Make Any Difference?

Most every SW hobbyist has thrown some type of antenna up on the roof or out across the backyard and in eager anticipation of hearing that elusive new station, only to be disappointed by the results of their efforts. "Gee whiz, I got a 100 feet of heavy copper wire and it's a hundred feet in the air and it sure looks pretty and, and...." While antenna height and length are certainly important, especially in the case of a simple longwire, there is more to it than that. The impedance at every point along the path from the antenna to the receiver input terminals must also be considered.

The impedance of a wire or cable is simply the ratio of the voltage to the current. It is similar to resistance with one important difference; the signal flowing through the wire is not of zero frequency (direct current). It makes no sense to speak of the resistance of a cable to an AC signal. Resistance is a special case of the generalized concept of impedance; the case where frequency is zero.

The purpose of any AM communications receiver is transform the signal from the antenna into usable audio. The greater the voltage (or current, or more appropriately, power) presented to the input terminals, the easier it is for the receiver to do its job. For our purposes we won't consider the implications of noise or receiver overloading with very large input signals. At every point of impedance mismatch along the way, some power is lost. Just think of a system of water pipes running between a well and a bucket placed at the other end. Impedance mismatches are like leaks along the way. Every joint or coupling represents a change in the path and unless the joints are smooth and tight, you'll lose some water along the way. If you had hundreds of gallons flowing per minute, a small leak wouldn't make much difference at the output. But if you only had a small drip from the well, a small leak would be disastrous. Most modern solid state receivers have excellent sensitivity and work quite well with even a "sorry excuse for an antenna". If you only listen to VOA or DW and the like, matching the impedance of your antenna won't be on your list of things to do. It won't matter. If you're chasing Bhutan or Tonga, it will make all the difference in the world.

Matching the input impedance of an antenna to the output impedance of a transmitter is usually much more important. The power ultimately radiated from the antenna will be less than the maximum available. In addition, the output amplifier transistors of solid state transmitters are often damaged when the antenna is not properly matched to the output. An impedance mismatch forces some of the energy back into the amplifier instead of out of the antenna and into space. Can you imagine someone stuffing a pair of socks down your windpipe while you were trying to exhale?

Many SWL'ers use an ordinary "long" wire antenna, usually some form of inverted "L", which consists of a single wire element and some type of down lead and a few connectors along the way. This is the simplest type of antenna to erect and usually is the least expensive. Such an antenna will suffice with modern receivers, even if sloppily installed. But we can do better without much effort. There are many commercially available antennas which are carefully designed to offset the effects of impedance mismatches. They only have to be connected to the antenna terminals without any modification. If you prefer to roll your own, you have to think a little.

If all cables and wire had the same characteristic impedance, and that impedance was the same as you see (electrically, that is) when looking into your receiver antenna terminals, it would not be necessary to worry about all this. The characteristic impedance of an antenna (in units of ohms) is just a convenient numerical value which describes the antenna electrically. It is defined for an infinitely long piece of the wire under consideration.

Suppose we string a single 50 foot piece of #14 stranded copper wire between two wooden poles on our roof. Let's assume that the effective impedance of such a wire (with respect to the earth) is about 500 Ω . Now we need to get the output of this wire down to the radio in our shack. We look around in the garage and find some nice coaxial cable left over from our TV antenna installation and say "gee, here's some wire!". A close look tells us this is RG-59 stuff with a characteristic impedance of 75 Ω . We solder the center lead of the coax to our main copper wire and leave the coax shield wire hanging, connected to nothing. We now run this mess down to the rear panel of our radio (after cleverly hiding the drill holes in the brick from our parents) and notice there is a coaxial input connector marked "50 ohms, balanced". We don't have any nice coax connectors so we root through the junk box and find some nice alligator clips and twist one onto the center connector of the coax and stuff this into the center hole of the coax antenna input. We're pretty smart, we know we need a ground connection somewhere so we attach another wire to the coax shield and wrap this around the screw that secures the dress plate to the AC wall outlet. Were ready now! Lookout Bhutan, ...here we come! Sound ridiculous? Yes, but I've seen things like this many places! Even though this is an extremely inefficient example, not to mention dangerous, it gives you an idea of some of the careless things we do because we don't know what difference such an obnoxious arrangement will make.

To minimize signal loss along our "nasty" antenna, we will need to do several things. At each point where we change the type of wire or add a connector, we need to consider the impedance we see at this junction. At the first junction, we consider the solid copper wire as our "source" and the coax down lead as the "load". What we are really trying to do at this point is transfer as much signal as possible from the "source" to the "load", i.e. from the copper wire to the coax. Don't worry about the rest of the antenna circuit beyond this point. We'll deal with that later. We can see that the copper wire has an impedance of 500 Ω and the coax has an impedance of 75 ohms. This is a significant mismatch and creates a significant signal loss. Our objective is to "fool" the 500 Ω copper wire into thinking that the piece of 75 Ω coax is just another piece of copper wire with the same impedance. If the wire and cables we used were purely resistive, that is, they had no capacitive or inductive properties, we could simply add a transformer between the two and optimize the signal transfer. We could show that a transformer with about 26 turns in the secondary winding connected to the 75 Ω coax and 10 turns in the primary winding connected to the 500 Ω would optimize the signal transfer between the two wires. But unfortunately, our antenna sections are not simple resistances. We must also deal with the reactive nature of the wire and find a way to cancel out the capacitive and inductive dissimilarities between the first two sections of our antenna system. We'll explore the techniques for this in our next lesson.

Miscellaneous Notes

Over the past few years, my work with the US Navy has taken me to many different ships. I have a collection of many of the ship logo caps as well as patches. I would be interested in trading or supplying these souvenirs to those with similar interests. Please write me and let me know what you need or have to trade.

73's and Great DX,

WESTERN HEMISPHERE

Don Thornton 12 Freeman Road
Somerset, NJ 08873

Hello there. As usual, a spectacular turnout this. I can't wait for the real DX season to begin. Not much room to chat this month, just enough to thank Sheldon Harvey for his fine hospitality at the CIDX barbecue in Montreal and especially to Bill Westenhaver who served as a most gracious host and "tour guide" for Eddie Janusz, Ed Cichorek and me during our recent visit to that most enjoyable city! Thanks, guys!

ANTIGUA

11755 1600 **BBC:** EE: Nx inc US & USSR condemn actions of Iraq re Kuwait; Egypt calls for Iraqi withdrawal (444 8/3 Cichorek-NJ)
17810 2049 **DW:** GG: Nx update in GG: (555 7/23 555 Reeves-OR)

ARGENTINA

6060 0630 **R. Nacional:** SS: ID; Latino mx inc vocals (7/3 333 Findlater-CA)
9690 0130 **RAE:** PP: ID; M & W tx; mx @ 0140 (333 7/11 Findlater CA)
11710 0952 **RAE:** JJ: IS & IDs in various LLS from tune in to *1000; fanfare for DX prog in JJ; (fr 7/16 Famularo-Japan)
15345 2038 **RAE:** SS: M ancr reading names & numbers; (prize winners?) "Radio Nacional" ID; tango mx (7/14 353 Famularo) (Findlater)

ANTILLES

6165 0029 **RN:** EE: Nx; world trade tx end in Geneva; "Media Network" @ 0050 (444 7/26 Brown-IL) (A. Jones TN) (Carson-OK)
9535 0300 **TWR:** EE: ID; "Sermon on the Mount" (7/16 555 Findlater CA)
9770 0836 **RN:** EE: Nx; ID; "Newslines w/reports on Fidel Castro; 0853* to Australia (7/21 pr-fr Famularo Japan)
9715 0752 **RN:** EE: "Media Network" on downfall of German & other number stations (433 8/2 Park-HI)
11930 0330 **TWR:** EE: "Bonaire Wavelength" w/feature abt Miami Valley DX Club & their club bulletin (544 7/21 Carson OK)
15560 0028 **RN:** EE: IS; ID; Nx--Kuwait & Iraq to meet; report on New World Dutch Colonies (7/25 444 Brown-IL)

BOLIVIA

4686 2215 **R. Santa Ana:** SS: Relig prog w/Pastor Juan Carlos Rubin; ID "Santa Ana, tu radio amiga" (7/21 Camporini-Argentina)
5160nf 1100 **R. Galaxia:** SS: Prog "Encounter with God" encouraging listeners to make time for daily prayer (7/21 Camporini-Argentina)

BRAZIL

3365 0736 **R. Cultura:** PP: W anncr w/lively local mx & PP version of "It Was Fascination" sung by W (7/17 353 Thompson-CA) (Bishop NY)
4755(p) 2350 **R. Educacao Rural:** PP: Ads inc ments of Brazil; into nx; M tx rapidly in PP; ID not heard @ 0000 (7/16 544 Bishop-NY)
4905 2319 **R. Relógio Federal:** PP: M & W anncrs in disc in PP (7/24 221 Bishop-NY)
4985 2331 **R. Brasil Central:** PP: M anncr w/tx re Brazil; canned ID (433 7/24 Bishop-NY)
4915 0416 **R. Anhanguera:** PP: Lively vocals, W anncr; nice version of La Bamba w/horns & congas (322 7/22 Thompson-CA) (Gears IL)
5035 2344 **R. Aparecida:** PP: Play read by OMs & YLs; mx (332 7/24 Bishop)
5045 0031 **R. Cultura do Pará:** PP: ID; string of ads (433 7/25 Bishop)
6080 0716 **R. Anhanguera:** PP: Brasopops w/a few EE songs thrown in; un-readable jingle; ID w/frqs @ 0729 (333 8/5 Westenhaver-PQ)
6090 0900 **R. Bandeirantes:** PP: "A Bandeirantes" ID/TC; DJ chat--then he read nx briefs w/sound effects of TPs & meows! (343 7/16 Westenhaver-PQ)
6135 0820 **R. Aparecida:** PP: Brasopops (not too classy) @0832 TC for UTC-3 & "Bom dia...R. Aparecida" (333 7/16 Westenhaver-PQ)
9565(p) 0820 **R. Universo:** PP: DJ shouts & plays Brazilian mx; no ID heard but a few ments of Brazil (7/29 Findlater-CA)
9665(p) 1032 **R. Marumby:** PP: LA songs & ballads @ 1055 upbeat relig mx; no ID @ 1100, but probably them (usualy KCBS Pyongyang absent this freq today. Yeah!) (7/16 fair Famularo-Japan)
11745 0200 **R. Bras:** EE: Popular Brazilian mx followed by brief tx & more

real good mx (444 7/5 A Jones TN) (Bishop-NY)
15325 0334 R. Japan: SS: M reads nx abt Gorbachev (545 7/7 A Jones TN)
17730 0205 SRI: EE: World nx w/Carla Drysdale; "Dateline" prog on Iraq & Kuwait (554 8/4 Thompson-CA) (Neff-FL) (A Jones-TN)

CANADA

5960 0127 R. Japan: EE: M ancr "It is 10am Japan Time, here is the news" (555 8/8 Cadorette-MA) (Brown-IL) (A Jones-TN) (Bishop NY)
6070 2247 CFRX: EE: W hosts call in prog abt travel to Istanbul & currency exchange (Cadorette-MA) (Johnson-IL) (Bishop-NY)
6160 0833 CKZN: EE: Nx--the rpt on sexual abuse among the Roman Catholic clergy is a best-seller (333 8/5 Westenhaver-PQ) (Bishop NY)
6175 0030 BBC: EE: Feature on people who suffer from "Fish Odor Syndrome" Holy Mackerel!-no fish story-that's what was broadcast (444 7/17 Johnson-IL)
9515 1310 BBC: EE: "24 Hours" w/special coverage of Iraqi invasion of Kuwait w/many phoned-in reports (8/2 444 Cichorek-NJ)
9590 0008 BBC: EE: Nx about African National Congress (7/24 Reeves-OR)
9625 2119 CBCNOS: Prog on Native people in Canada; gave phone numbers to call in from across Canada (433 7/22 Bishop-NY) @ 2040 with live concert of Inuit mx-great program! (322 7/10 Johnson IL)
9755 2332 RCI: EE: "Shortwave Listener's Digest" w/tx abt modulation & speech processing (333 7/7 Neff-FL)
11905 2220 RCI: EE: Nx abt poverty in UK (333 7/23 Reeves-OR)
15260 1802 RCI: EE: Nx inc reaction to the Iraqi invasion of Kuwait; oil prices up \$3 per barrel (433 8/2 Brown-IL)
15325 2145 RCI: EE: "Shortwave Listener's Digest w/Glenn Hauser's DX tips-this transmission beamed to W Europe(544 7/15 Carson OK)
17875 2132 RCI: EE: "Earthwatch"; w/tx abt global mgt (444 7/7 Neff FL)

COLOMBIA

4865 0900 La Voz del Cinaruco: SS: Vocals by Roberto Diaz (545 8/10 Robinson-TN) (Thompson-CA) (Johnson-IL) (Westenhaver-PQ)
5050 0037 La voz de Yopal: SS: M tx; then into nx (322 7/25 Bishop)
5075 0041 Caracol Bogotá: SS: M ancr tx into ad string; ID as "Caracol Colombia" (433 7/25 Bishop-NY) @ 0931 in SS w/ballads, network IDs. (454 8/1 Wakefield-IA)
5975 1000 R. Macarena: SS: Cumbia mx w/vocals; ads; "R. Macarena, Radio Servicio" (444 8/10 Robinson-TN)

COSTA RICA

4832 0400 R. Reloj: SS: Heard ID abt 0400 & some mx but not much else 6/28 Gears-IL)
6006 0849 R. Reloj: SS/EE: ID "Por el mundo TIHB, Radio Reloj"; TC; @ 0854 in EE w/W ancr offering QSLs for reports (2 IRCs) (343 7/16 Westenhaver-PQ)
7375usb 0211 RFPI: EE: End of story abt ecology, story abt situation in S. Africa re apartheid (313 7/28 Wolfson-OH) (Neff-FL) (Thompson-CA)(Bishop-NY) (Cichorek-NJ) (Cadorette-MA)
9725 1215 AWR: EE: M delivers relig sermon (444 7/15 Langlois-FL)
13630nf 2250 RFPI: EE: Glenn Hauser w/"World of Radio"(322 7/10 Johnson-IL)
21565 2230 RFPI: EE: "World of Radio" (444 7/15 Prath-FL) (Scott-CA)

CUBA

3366 0452 R. Rebelde: SS: Variety of mx inc stately cha-cha; rap salsa & ballads; ID @ 0535; not //5025 (452 9/9 Janusz-NJ) (Eddie insists he knows rap salsa when he hears it--ed)
4766 0528 Radio Moscow: RR: 2 M in long disc abt economics; no break on the half hour, so maybe not from Mayak (433 8/1 Westenhaver)
5025 0115 R. Rebelde: SS: Many IDs w/nx & mx (453 6/30 Gears-IL)
9505 1114 RHC: SS: LA mx, RHC IS; M & W tx (8/5 fr Famularo Japan)
11820 0019 RHC: EE: Cuban mx, tx (7/24 444 Reeves-OR)
11910 2335 RHC: SS: Great traditional Cuban mx; ID (423 7/27 Scott CA)

DOMINICAN REPUBLIC

4799.8t 0228 R. Norte: SS: Mx & tx w/ments of Santiago but no ID heard (253 7/7 Gears-IL)

ECUADOR

4920 0345 R. Quito: SS: Great mx w M ancr; ID as "The Voice of the Capital (353 6/28 Gears-IL)
5030 2353 R. Católica Nacional: SS: A play read by M & W; IS & ID @ 0000; QRM de UTE (221 7/24 Bishop-NY)
15155 0103 HCJB: EE/SS: "Studio 9"; "Saludos Amigos" w/Ken McHarg (434 7/23 Carson-OK)(Gears-IL) (Bishop-NY)

17790 1920 **HCJB:** EE: "DX Party Line" w/features on N. Korea, Isreal, SWL Club reports (525 7/28 Wolfson-OH) (Don't forget the SPEEDX report the 3rd Saturday of every month w/Gary Gears!--ed) @1852 in EE w/song "I wonder where you have gone" (443 8/10 Leader Ireland)

17875 0232 **HCJB:** EE: LA nx, "Studio 9" w/item about drug war in Colombia (444 7/6 Neff-FL) (Brown-IL) (Famularo-Japan)

17890 1430 **HCJB:** EE: M w/ID; cmnty "What is Evangelism?" (444 7/14 Langlois-FL)

21470 1926 **HCJB:** EE: "DX Party Line" w/Brent Allred's last prog; nx abt "Voice of June 4th" clandestine station (447 7/14 Flynn-CA)

21480 1900 **HCJB:** EE: LA nx; "Studio 9" w/report on Lithuanians going to foreign embassys; //25950 USB was poor (353 7/24 Lukas-NY)

25950 1935 **HCJB:** EE: In USB heard prog "Caring for Parents"; severe fading (132 7/9 Flynn-CA) (Cichorek-NY) (Carson-OK)

FRENCH GUYANA

5055 0600 **RFO:** FF: M reads presumed nx (343 7/24 Johnson-IL)

6170 0720 **RFO:** FF: M & W chat in FF; mx; this freq stronger than //5055 ((353 7/12 Johnson-IL)

15325 0211 **R. Japan:** EE: Nx abt Japan resuming loaning money to China (555 7/10 A Jones-TN)

GUATEMALA

3300 0507 **R. Cultural:** SS: LA mx w/marimbas (242 7/14 Johnson-IL)

3380 1100 **R. Chortis:** SS: Relig prog w/tx & hymns (243 7/6 Flynn CA)

4835 0216 **R. Tezulutlán:** SS: Some horn mx followed by M w/anmts (322 7/21 A Jones-TN) (Johnson-IL) (Neff-FL) (Bishop-NY)

HONDURAS

4820 0315 **La Voz Evangélica:** SS: Relig prog w/IDs (353 6/24 Gears IL)

MEXICO

6115 0630 **R. Universidad:** SS: ID; M DJ w/continuous Latin mx (555 7/21 Findlater-CA)

6185 0611 **R. Educación:** SS: Opera mx (444 7/14 Johnson-IL)

PARAGUAY

9735 0100 **R. Nacional:** SS: Many IDs but much QRM de DW in GG, but still decent reception (434 6/30 Gears-IL)

PERU

4419 0251 **Frecuencia Líder:** SS: tx by M & huaynos, ID w/echo; ads; 242 7/21 Barrera-Argentina)

4746.7 0210 **R. Huanta 2000:** SS: M & W ancrs ID "Con La mejor programación y el mejor sonido, RH 2000" (242 7/21 Barrera-Argentina)

4915(t) 1035 **R. Cora:** SS: New station! Wake up w/rooster; NA; nx of Peru & S America--ID as" R. Cora de Lima" & " R Cora del Peru"(344 7/6 Flynn CA)

4995.6 0924 **R. Andina:** SS: ID & TC; flute & guitar mx; ads (322 8/6 Wakefield-IA)

6117 0800 **R. Unión:** SS: Station ID at 0800; LA mx (323 7/27 Scott CA)

UNITED STATES OF AMERICA

5950 0212 **VOFC :** EE: Nx w/Steve & Joanna; "Cultural Encounters" w/disc abt martial arts (545 7/5 A Jones-TN) (Scott-CA) (Neff-FL)

5985 1135 **VOA:** EE: Live coverage of Pres. Bush's press conference at the NATO Summit in London (544 7/6 Park-HI)

7355 0610 **WYFR:** EE: Harold Camping w/Bible Study prog (322 5/2 Park HI) (Carson-OK) (A Jones-TN)

7520 0144 **WWCR:** EE: Tx show w/call-ins from across USA (555 7/5 A Jones)

9455 0006 **USA:** EE: World nx inc feature de Nicaragua (333 7/24 Reeves) (Carson-OK)

9495 0055 **WHRI:** EE/SS: ID & ad; into SS w/La Voz de Fundacion prog produced in Miami (444 7/15 Neff-FL)

9525 0020 **WWCR:** EE: Ad for a high energy supplement--rise and shine for only \$39.95! (544 6/22 Brown-IL) (I know a Western Hemisphere editor who could use them!--ed)

9565 0001 **Voice of the OAS:** SS: ID in SS; M tx (555 8/1 Findlater CA)

9645 0642 **WMLK** EE: Station address & request for reception reports; into relig prog w/sermon (343 Carson-OK)

9850 0058 **VOA:** EE: S/on in EE & into SS prog w/nx commentaries & reports (544 7/23 Carson-OK)

11580 2216 **WSHB:** EE: Bible readings (444 7/23 Reeves-OR)

11720 0243 **WYFR:** EE: Harold Camping hosting "Open Forum"; ID; IS;

(343 7/14 Trescher-PA)

11760 0403 **WSHB**: EE: W reads nx inc item abt rebel attacks near Monrovia, Liberia (453 7/7 A Jones-TN) (Neff-FL) (Brown-IL)

11830 2218 **WYFR**: EE: Bible Reading w/Harold Camping (444 7/23 Reeves)

11850 0017 **VOA**: EE: Nx abt Cambodia (Thought they were called Kampuchea!) 444 7/24 Reeves-OR) (They were until recently & I don't know why it was changed either time myself--ed)

15590 1440 **KUSW**: SS/EE: "Gospel Crusade" in EE w/immediate SS translation; EE ID (454 7/21 Wakefield-IA)

15690 1307 **WWCR**: EE: Relig prog; 6 minute ad for a \$250 "Home Soda Fountain"; "World of God" prog (Only 2nd NA stn heard while over here (252 7/4 Hardester-Okinawa) (And maybe your last now that you have been transferred back to the USA--ed)

17555 2042 **WSHB**: EE: "Letterbox" w/2 letters from the Seychelles!; into relig prog (444 7/27 Scott-CA)

21500 1820 **WYFR**: EE: Phone calls from listeners discussing relig matters (444 7/27 Lukas-NY)

URUGUAY

11834.9 0204 **R. El Espectador**: SS: Nx by 2 M alternating, one sentence at a time; "El Espectador!" ID @ 0205; more nx; faded out by 0210 (222 7/30 George-MA)

VENEZUELA

4840.4 0130 **R. Valera**: SS: IDs by M ancr; modern LA mx (242 8/2 Thornton)

4860.9t 0115 **R. Maracaibo**: SS: M DJ w/modern LA mx; no ID heard but this reactivated station has been reported a few times most recently (322 8/14 Thornton-NJ)

4970 0430 **R. Rumbos**: SS: LA mx; ads & many IDs (243 7/7 Gears-IL)

4980 0312 **Ecos del Torbes**: SS: Romantic ballads, M ancr w/intros & ID @ 0316 (444 8/2 Cichorek-NJ) (Gears-IL) (Neff FL)

5040 0331 **R. Maturin**: SS: Nx by M w/chimes between items; ID & ads @ 0306; more nx from 0338 (252 7/14 D'Angelo-PA)

9660(t) 2315 **R. Rumbos**: SS: Ments of Venezuela & Caracas (333 7/20 Findlater-CA)

PIRATES & CLANDESTINES & UNIDS

7368 0052 **Hope R. Int'l**: EE: "Fruit of the Loom Nx Briefs" & "Pirate Nx #3", a DX show (444 7/26 Johnson-IL)

7385 0355 **R. EXP**: EE: Blues & 1960's mx; host "Dr. Blue" (323 7/4 (George-MA) (logged also by Johnson-IL on 7415 on 7/15 @ 0303)

7386.3 0205 **R. USA**: EE: Rock mx, fake "TPs" @ 0206 ID "Radio USA, broadcasting from somewhere off the coast of NA" (333 7/21 George)

7390 0155 **R. Clandestine**: EE: DJ RF Burns w/rock songs by Beatles, Billy Idol & comedy commercials (422 8/7 Johnson-IL)

7390 0035 **One Voice Radio**: EE: Medical facts & mx; ancr named Joe (343 7/25 Johnson-IL)

7400 0248 **Voice of 1939**: EE: M ancr sounding as if talking through a megaphone & plays 1930's mx (242 7/16 Johnson-IL)

7400 0428 **RFM**: EE: 1st anniversary b'cast; QSL & mail drop info-- a bizarre broadcast (444 7/4 Karcheski-MA)

7413 2308 **Samuri Radio**: EE: ID: rock mx; fake commercial for "Samuri Cruise" for \$125,000 per person! (242 7/7 Johnson-IL)

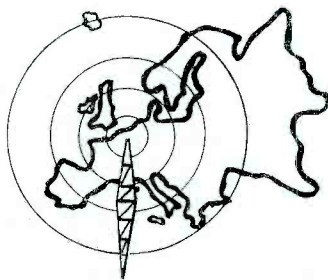
7415 0306 **R. USA**: EE: DJ Mr. Blue Sky w/ID; "broadcasting from a leaky bathtub off the coast of NA (353 7/28 D'Angelo-PA)

7415 0250 **KBLU**: EE: "Public service anmt" for "traffic ancrs disease" awareness; ID @ 0259 (322 7/21 George-MA)

FILL THAT GAP! Here are the mail drops for Pirate stations sent to me by Tim Johnson: PO Box 109 Blue Ridge Summit, PA 17214 for One Voice Radio, Hope Radio Int'l, 4th of July Radio, Samuri Radio, Radio Free Mass (RFM), Radio Mexico Int'l, WKZP, WLIS. This maildrop is run by Andrew Yoder, publisher of "Pirate Pages". Ray Cathode of Tube Radio informed Tim that R. Clandestine could be QSL'd via Andrew Yoder, but Tim wasn't sure if this was via Pirate Pages or the above Blue Ridge address. Also PO Box 6527 Baltimore MD 21219 for Revolutionary Voice of Plainsville, Voice of Bono, Tube Radio, & WLAR. Also PO Box 452 Wellsville, NY 14895 for Action Radio, EXP, Radio USA & KNBS (Cannabis Radio). Tim would like to know if anyone has a maildrop address for Outlaw X, Voice of Draino, Radio Comedy Club Network, WKND & US One. No more room to chat, so until next month remember to have fun with your radio!

73s and good DX

EUROPE



BOB COLYARD
84 HARRISON AVENUE
BRICKTOWN, NJ 08724

Well, here I am sitting on the beach, 15 ft from the pounding surf of the Atlantic. Sea gulls are swirling overhead, looking for scraps of food left lying on a defenseless beach blanket. With my "D1875" resting in my lap, I'm tuned in to "Austrian Short Wave Panorama" on 21490 Khz, but I'm having trouble hearing it. Not because of poor reception, though; the sio is 444. It's because my kids keep bothering me for money. "Ok! Bring me back a soda."

Now I'm listening to Radio Sweden's "Mailbag" program, on 21610 kHz, (455 sio) also // 17880, (545). Say! Does anybody know what station does all the tone testing under Sweden on 17880 every day? What an annoyance this is! I figure it's either BBC or Moscow.

At 12 noon, 1600 ut, I pick up the IS for Radio Norway on 21710 kHz (555). It's in English! However, I can't stand sitting in the hot sun any more. So! While I go and jump in the ocean to cool off, here are the loggings for the month. Darn! Summer is almost over!

ALBANIA

Radio Tirana

7155 *1728 RT: EE: YL, news; Press Review; classical music; 1755*. (433 7/25 Willers-SW)
9500 *0330 RT: EE: IS and Sign on. (+5 heavy QRM from WYFR). (311 7/22 Johnson-IL)
9760 0000 RT: EE: YL and OM; Albanian orchestral music. (333 7/11 Langlois-FL)
11822 2330 RT: EE: Albanians have nothing in common with W. Europe. (333 7/14 Brown-IL)
11855 1410 RT: EE: //9500; News & ID; "Lets learn Albanian"; @1430*. (334 7/21 Willers)

AUSTRIA

Radio Austria International

9870 0130 RAI: EE: to S.Am.; Austria's motor vehicle industry. (555 7/21 Robinson-TN)
9875 0130 RAI: EE: "Report from Austria". (433 7/18 Bishop-NY) & (554 7/23 Malone-TX)
12010 1800 RAI: GG: ID and talk by OM. (333 7/23 Findlater-CA)
13730 0133 RAI: EE: Elks from Czech running wild in Austria's Waldviertel region. (444 7/8 Westenhaver-PQ) (Not the same as the ones in the lodge, right? -BC)
@0140: Controversy concerning a Czech nuclear plant. (454 7/13 Johnson-IL)
@0400: GG: OM talk: Polkas. (555 7/31 Findlater-CA)
@1645: EE: //11780; "Report from Austria": Austrian cosmonauts. (121 8/01 Park)
@1930: EE: Commentary; into GG @2000. (to S.Africa) (444 7/19 Findlater-CA)
@2200: GG: ID and news by OM. @2300: GG. (555 7/16 Findlater-CA)
21490 *1430 RAI: EE: Austrian press reaction to invasion of Kuwait. (444 8/7 Carson-OK)

BELGIUM

Belgische Radio en Televisie

R.T.B.F.

11660 0440 RTBF R4: FF: //9925; Mx: Harold Melvin & the Blue Notes. (233 7/19 WW-PQ)
13675 2330 BRT: EE: Music by Belgium composer; FF @0000. (433 7/22 Brown-IL) (Findlater-CA)
17585 1820 BRT: FF: YL & OM talk. (444 7/17 Findlater-CA)
21460 1450 RTBF: FF: xylophone/drum IS till 1459; ID; info & nx. (pr-fr 7/20 Famularo-JP)

BULGARIA

Radio Sofia

11660 2135 RS: EE: //15330; "Answering Your Letters" (Sun). (343 7/15 Prath-FL)
@2300: EE: Bulgarian music. (444 7/11 Langlois-FL)
15110 0100 RS: SS: ID; OM and YL talk; music. (333 7/9 Findlater-CA)
15290 0300 RS: EE: Bulgarian/US relations. (444 7/7 Findlater-CA)
@0324: "Lifestyle", "Answering Your Letters". (333 7/12 Carson-OK)
15330 2031 RS: EE: IS and ID. (111 7/23 Reeves-OR)

CZECHOSLOVAKIA

Radio Prague International

7345 *0300 RPI: EE: Nx; "Tips for Trips"; Bill Bathurst's "Observer". (444 8/7 Carson-OK)
@0320: Classical music program. (454 7/27 Johnson-IL)
11990 *1627 RPI: EE: 8-note IS; ID in Language; FF @1630. (222 8/1 Park-HI)

FINLAND

Radio Finland

11755 2309 RF: EE: Cover-up of Koslov's attempted suicide. (555 8/11 Leader-Ireland)
15185 2300 RF: EE: //11755. (444 7/14 Prath-FL) (333 7/23 Brown-IL) (333 7/9 Findlater-CA)
15430nf 2115 RF: EE: Intl. peace movement meeting in Estonia; ID. (fr-gd 7/14 Famularo-JP)
21550 1112 RF: EE: "Faith in Finland"; ID and IS @1115. (444 8/1 Cichorek-NJ)
21550 1400 RF: EE: //15185, 11820; (454 8/6 Wakefield-IA) (333 7/14 Langlois-FL) (Carson-OK)

FRANCE

Radio France International

17620 1606 RFI: EE: News: USSR & Albania resume diplomatic ties. (232 7/31 Cichorek-NJ)
17860 1421 RFI: SS/Creole: //21645; s/off SS; *1430 in Creole. (333 7/21 Wakefield-IA)
21580 1820 RFI: FF: talk. (454 7/25 Lukas-NY)
21770 1414 RFI: EE: ID, and into the program "Countdown". (333 7/21 Wakefield-IA)

GERMAN DEMOCRATIC REPUBLICRadio Berlin Int.

9730 2150 RBI: EE: Report about German reunification; ID & talk. (343 7/28 Prath-FL)
 11785 0346 RBI: GG: Music intro to program segment, followed by talk. (433 7/7 Jones-TN)
 11890 0345 RBI: EE: "Mailbag" program: complaints of bad reception. (444 6/25 Gears-IL)
 13610 2345 RBI: EE: //9730, 15240; Commentary: Kohl visit to Moscow. (444 7/16 Findlater)
 13770 0005 RBI: EE: //9690, 11890, 13610; "Midweek Sports Report", and "Our Youth"; low modulation on this freq & 11890. (354 7/20 Rocker-FL)(444 7/23 Findlater-CA)
 13770 0234 RBI: GG: //13610, 13690; World nx/sports/GDR wx; press review. (444 7/8 WW-PQ)
 15240 0147 RBI: EE: //13610; News & commentaries. (434 8/3 Carson)(444 7/11 Findlater-CA)
 15350 1600 RBI: EE: OM w/talk on united German army; EZ rock mx. (pr-fr 7/20 Famularo-JP)
 21540 1058 RBI: ??: feeble IS; YL w/probable ID & news; not listed in WRTH. (121 8/3 Park)

GERMAN FEDERAL REPUBLICDeutsche Welle Radio Free Europe Sudwestfunk V.O.A.

3995 0130 DW: GG: Opera music w/OM talking between pieces. (433 7/23 Bishop-NY)
 7265 0250 Südwestfunk: GG: "Nacht Rock" w/news & IDs; Pop music. (323 7/13 Gears-IL)
 9765 0434 DW: EE: //9565, 7225, (QRM unIDs 9760 & 9770); "Africa Report". (333 7/20 Park)
 11770 0522 RFE/RL: RR?: Lots of talk & ID as "Radio Svoboda". (322 7/11 Johnson-IL)
 11795 0500 DW: GG: Interval signal; ID & news. (444 7/12 Carson-OK)
 11845 0510 DW: EE: "European Journal"; political comment & economic nx. (444 7/12 Carson)
 15145 0400 RFE: Bulgarian?: //11725, 9705; talk w/mx intervals. (444 7/26 Findlater-CA)
 17895 1715 RFE/RL: RR: Polit talk by OM; ID: "Radio Svoboda". (343 7/28 Prath-FL)
 21625 2010 VOA relay: EE: Willis Conover plays jazz from Poland. (per ILG)(242 8/8 EJ-NJ)

GREECEVoice of Greece

9395 0340 VOG: EE: YL w/news. (433 7/27 Johnson-IL)
 9420 0133 VOG: EE: //9395; YL/nx: extradition of Judge, US to Greece. (414 7/28 Wolfson)
 11645 *1529 VOG: EE: YL/nx: about Cypress; Greek music; 1540*. (344 7/21 Willers-SW)
 @0019: Greek: Greek string music. (333 7/24 Reeves-OR)
 15625 1842 VOG: EE: Opec ministers agree to raise oil prices. (222 7/27 Brown-IL)
 17535 1230 VOG: EE/Greek: "to NA"; News of Iraq/Kuwait; OM/YL duets. (545 8/3 Robinson-TN)

HUNGARYRadio Budapest

7220 2017 RB: EE: Shortage of telephones in Hungary. (43544 8/9 Leader-Ireland)
 9835 0047 RB: EE: Automation comes to Hungary/Casio cash registers. (433 7/23 Carson-OK)
 @ *2200: SS: //11910; ID: "Aqui R. B..., Para America Latina". (333 7/28 Prath)
 11910 0140 RB: EE: talk; ID; Theme mx. (252 7/23 Malone) @0145: HH. (424 7/28 Wolfson-OH)
 15160 2331 RB: EE: Help from FRG for Hungary; rpt on unclaimed lands. (322 7/23 Brown-IL)
 15220 2258 RB: SS: //15160; IS to 2300; "Aqui R. Budapest.."; no QRM. (353 7/18 Rocker-FL)

IRELAND (Clandestine)

6319 0310 Radio Stella: EE: Rock and country music; weekends only. (242 7/13 George-MA)

ITALY Adventist World Radio Radiotelevisione Italiano Radio Italia Int. V/O Europe

7140 0825 RII: II: Music from "La Bamba", with telephone-ins; ID: "Radio Italia Int.". (232 7/29 Willers-Switzerland) Nice catch Steven! Anybody know the power? -BC
 7230 1004 AWR: EE: Story: "Red Skinned Angels"; free childrens book. (344 7/2 Willers-SW)
 7275 0422 RAI: EE: IS; ID; news: Iraq-Kuwait situation worsens. (322 8/1 Brown-IL)
 7537.5 0222 VOE: EE: European pop & dance music. Bad squealing QRM, without tuning in USB. (423 7/5 Karcheski-MA) (I had to use USB mode, also, when I logged it. -BC)
 7540 0352 VOE: EE: Continuous rock vocals. (252 7/14 D'Angelo-PA) @1930: "This is the Voice of Europe. We are waiting to hear from you." (434 7/14 Willers-SW)
 11800 0100 RAI: EE: IS; ID; news. (544 7/18 Brown) @1940: EE: news. (333 7/17 Findlater)
 15245 0136 RAI: II: IS: bird chirps; OM talk: "A day in Italy". (333 7/13 Findlater-CA)
 17795 0417 RAI: Amharic: news to 0428; jazz; top of Australia @ tune in. (333 7/6 WW-PQ)

MALTADeutsche Welle IBRA Radio Voice of the Mediterranean

7110 2045 IBRA: GG: YL with Christian music. (322 7/22 Bishop-NY)
 9765 0605 VOM: EE: ID piano music; talk on Gen. Montgomery, Mark Twain. (232 7/6 Neff-FL)
 @0620: EE: Interview with a doctor. (343 7/24 Johnson) @0625: Phil Collins
 @0631 ID and into "Malta, Your Host", current events in Malta. (444 8/8 Carson)
 11865 0132 DW: EE: "The July Quiz". (454 7/7 Jones) "European Journal" (333 7/13 Brown)
 15105 0108 DW: EE: Reforging the East German economy. (444 8/6 Wakefield-IA) @0110: "European Journal"; 1 out of 7 vote in Hungarian election. (444 7/30 Brown-IL)
 21680 1619 DW: EE: "Newsline Cologne": violence in South Africa. (fair 7/6 Famularo)

MONACOTrans World Radio

6230 0350 TWR: GG: Hymns in German. (323 7/16 Johnson-IL)
 9480 0715 TWR: EE: Religious programs. (353 7/12 Johnson-IL)

NETHERLANDSRadio Netherlands

9860 2028 RN: EE: The African service of RN; IS and into the news. (423 7/21 Bishop-NY)
 11890 1100 RN: EE: "Images", talk of things relating to art. (545 7/24 Robinson-TN)
 13700 *1628 RN: DD: Ripply-sounding IS, anmets, pips; "Nieuws Bulletin". (222 7/31 Park-HI)
 @2050: EE: ID; How listeners' mail is handled at RN. (pr-fr 7/14 Famularo)
 21520 1223 RN: EE: "Media Network" news of R. Kuwait in wake of invasion. (242 8/2 WW-PQ)
 Radio Netherlands added an extra broadcast in Dutch to the Mid East at 2230 ut on 9860.

NORWAYRadio Denmark Radio Norway Int.

11840 0505 RNI: EE: IS and Journalist strike anmt. (433 7/12 Carson)(555 7/13 Findlater)
 11865 *0429 RD: DD: RNI IS to 0430, into Danish & EE IDs for Denmark. (455 7/24 Rocker-FL)
 15165 0645 RD: DD: IS; ID in EE; OM talk in Danish. (444 7/3 Findlater-CA)
 15165 2315: RNI: EE: Report on Ibsen play. (333 7/22 Brown-IL) (No comedy there! -BC)
 15360 0200 RNI: NN/EE: & @0427; journalist strike anmt.(444 7/11 Findlater)(233 7/9 Park)
 17795 1220 RNI: NN: Current affairs program.(Guess the strike is over.)(434 7/14 WW-PQ)
 21705 *1600 RNI: EE: Kindergarten in Norway.; Oslo music festival. (555 8/5 Robinson-TN)
 The first 100 reception reports for the Sept 8 EE Bcast get a certificate from RNI. -BC

POLANDRadio Polonia

6155 1438 RP: EE: Review of PP weekend papers; jazz music. (444 7/21 Willers-SW)(Basia?)
 7270 2243 RP: EE: Cross-border restrictions w/: Czech, Germany, USSR. (555 8/11 Leader)
 9675 0628 RP: EE: IS; ID; and news. (343 7/11 Johnson-IL) (Sounds familiar! -BC)

PORTUGALRadio Free Europe Radio Portugal

9600 0252 RP: EE: Music; Portugal's problem with untrained workers. (433 8/1 Brown-IL)
 9705 2215 RP: PP: News: talk of Gorbachev..., Cuba. (433 7/16 Johnson-IL)
 11740 *1900 RP: EE: ID; pgm line-up; news; wx; "Collector's Corner". (433 7/27 Willers)
 11840 0215 RP: PP: //9705, 9635, 9600; YL & OM talk. (7/7 333 Findlater-CA)
 15115 0600 RFE: ??: //15130; "Radio Svaboda"; ID; OM w/news. (444 7/4 Findlater-CA)
 15255 0626 RFE: Czech: "Svabodna Europa"; OM w/church Chorale Mx. (555 7/21 Findlater-CA)
 15355 0700 RFE: Hungarian: ID; OM & YL talk. (444 8/1 Findlater-CA)
 17725 1745 RFE: Bulgarian: Dance/rap music show; YL talk 1755 to 1800; ID @1800: "Tuk e Radio Svabodna Europa". (344 7/14 Rocker-FL) (Good coverage, Raymond. -BC)
 17895 0715 RL: RR: ID; OM w/talk. (333 7/27 Findlater)(How are RL and RFE different? -BC)
 21745 0800 RFE: ??: ID; OM w/talk in unknown language. (333 7/31 Findlater-CA)

SPAINRadio Exterior de Espana Radio Beijing

9630 0001 REE: EE: News: Kohl to meet Gorbachev. (444 7/14 Brown-IL)
 9690 *0300 RBJ: EE: IS; OM w/news.(444 7/8 Findlater) @0338: folk music. (545 7/7 Jones)
 11730 0700 REE: SS: IS; "Este es Radio Exterior de Espana"; then off.(333 7/14 Findlater)
 11880 0000 REE: EE: News: Cuban Gov't insults Spanish Gov't. (323 7/28 Scott-CA) @0020: Editorial about Vietnam.(444 7/24 Reeves) @0032: "Panorama".(444 7/10 Brown)
 17805 0058 REE: SS: Station anmts.(554 7/26 Lukas-NY) @0430: SS.(555 7/26 Findlater-CA)
 17845 2240 REE: SS: //15110; Political talk about Latin America. (444 7/14 Prath-FL)
 21555 0100 REE: SS: YL and OM talk. (444 7/18 Findlater-CA)
 21595 1830 REE: SS: OM and YL talk; Latin music. (333 7/31 Findlater-CA)

SWEDENRadio Sweden

9615 1713 RS: EE: Commentary; "Sweden Calling DXers"; 1730*. (555 7/17 Willers-SW)
 11705 0230 RS: EE: "Horizon".(353 7/27 Malone) Sexual climate in SS.(433 7/14 Johnson)
 17880 1530 RS: EE: //21500; (545 8/4 Robinson-TN) @454 7/8 Jones-TN) (444 7/31 Cichorek)
 21500 1548 RS: EE: "Sweden Calling DXers": RCI and ODXA. (333 7/24 NEFF-FL)

SWITZERLANDSwiss Radio International

6095 *0114 SRI: EE/Esperanto: IS & anmts; @0116 into Esperanto. (232 7/30 Carson-OK)
 6135 0202 SRI: EE: News: death toll reaches 400 in Philippines quake.(433 7/18 Brown-IL)
 9885 0200 SRI: EE: News: Iraq masses troops on Kuwait border. (444 7/24 Brown-IL)
 12035 0155 SRI: EE: News (444 7/25 Brown) @0500: FF: //9535, 9885. (444 7/17 Findlater)
 13635 2127 SRI: EE/SS: "Sunday Supplement" into SS @2130. (444 7/8 Karcheski-MA)
 15525 2100 SRI: EE: News: fighting continues in Liberia. (222 7/29 Brown-IL)
 17730 0200 SRI: EE: OM w/news. (555 7/22 Findlater-CA)

UNITED KINGDOMBritish Broadcasting Corp British Forces Broadcasting Service

9915 0015 BBC: EE: News: about soviet hijacking attempts. (222 7/24 Reeves-OR)
 12095 2222 BBC: EE: News: about Castro and Cuba. (333 7/23 Reeves-OR)
 15070 2021 BBC: EE: Talk about the Ethiopian civil war. (322 7/23 Reeves-OR)
 17695 *1330 BFBS: EE: //21735, 15195; "Calling everyone on operation Gramby!"(334 8/18 BC)
 17705 1345 BBC: EE: "Sports Roundup"; ID @1400: into World news. (232 7/22 Rocker-FL)
 17830 0007 BBC: EE: News: US envoy is ejected from Liberia. (333 7/21 Brown-IL)
 Also try BFBS @0200 - 7125,9640,13745. @0930 - 15205,17690,21735. (via Media Network)

VATICAN CITYVatican Radio

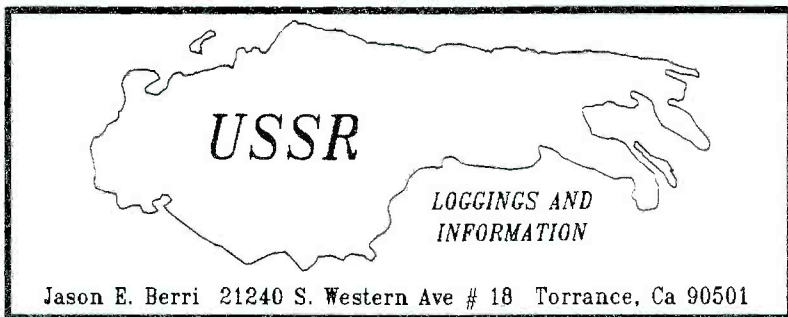
9695 0030 VR: FF: IS; ID; to 0050.(444 8/1 Findlater) @0052: EE: news. (433 7/24 Brown)
 15180 0107 VR: EE: Pope calls for release of all kidnap victims. (444 7/30 Brown-IL)
 17710 *1630 VR: ??: Under Moscow.(pr 7/6 Famularo) @1735: EE: to Africa.(354 7/14 Rocker)
 17730 0525 VR: EE: to Africa; unrest in Nigeria. (344 7/12 Carson-OK)
 21650 2030 VR: FF: "Ici R. Vatican" (354 7/14 Rocker) @1917: in II (232 7/31 Cichorek)

YUGOSLAVIARadio Yugoslavia

9660 *1829 RY: EE: anmts; news; "Cultural Report"; soft mx; 1858*. (534 7/24 Willers-SW)
 11735 0005 RY: EE: Yugoslavia/World economy; "Cultural Report"; 0043* (434 7/23 Carson)
 17740 1215 RY: EE: "Travels & Encounters": an Adriatic Isle. (433 7/27 Johnson-IL)

We're all done for another month. Thanks, everyone, for all the support. BCNU.

73's Bob 23



USSR Radio Moscow Radio Kiev Radio Vilnius Radio Tashkent
Radio Station Peace and Progress Radio Yerevan

- 6065 1306 RM: EE; nx on Lithuanian Communist Party (544 7/24 Reeves-OR)
6075 1205 R. Kishinev-Moscow: RR; rpt on a festival (343 6/12 Kiselyov-USSR)
6150 1405 R. Minsk-Serpukhov: Byelorussian: "Literature Corner" (333 6/7 Kiselyov)
7325 1210 RT-Tashkent: EE; "Letterbox" (333 6/23 Kiselyov-USSR)
7370 1318 RM: EE; tkl abt joint ventures (433 7/24 Reeves-OR)
9530 0800 RM-Okhotsk: RR; IS, ID, tkl (555 7/21 Findlater-CA) (555? -ed)
9655 1628 RM-Petropavlovsk: EE; "Focus on Asia & Pacific", into nx @ 1630, !! 17670 (343 7/19 Carson-OK)
9735 2300 R. Frunze-Tula; Kirghiz; s/on w/ NA (454 6/18 Kiselyov-USSR)
9755 1328 RM-Petropavlovsk: EE; "New Market" pgm (333 7/24 Reeves-OR)
9785 0015 R. Dushanbe-Moscow: RR; morning concert (333 6/18 Kiselyov-USSR)
9815 *2300 RM-Tashkent: RR; organ IS, W "Govorit Radiostantsiya Atlantika" ID, M/W tkl (fr 7/20 Fanularo-JP)
11650 2030 RM-Zhigulevsk: EE; opera mx pgm, !! 12060 (343 7/11 Johnson-IL)
11730 0300 RM: EE; IS, ID, W tkl on Rubenstein & his mx (444 7/31 Findlater-CA)
11730 0705 RM-Khabarovsk: CC; IS, ID, M/W tkl & mx (333 7/14 Findlater-CA)
11735 2200 R. Rodina-Serpukhov: RR; IS, W ID, nx, !! 12000 (343 7/15 Prath-FL)
11780 2314 RK: EE; ID, "Ukraine Today" (433 7/7 Neff-FL)
11900 1300 RM-Petropavlovsk: EE; "Midnight in Moscow", chimes, ID, wld nx (353 7/18 Rocker-FL) (Findlater-CA)
11940 2000 RM-Chita: CC; IS, ID, W tkl (333 7/14 Findlater-CA)
11960 1955 RM-Orsha: RR; class. mx, W anmt, mx, IS, M ID (233 7/5 Park-HI)
11980 0330 RM-Kharkov: EE; "Vasily's Weekend" (555 7/14 Bears-IL)
11980 2120 RSP&P-Kharkov: EE; rpt abt changes in soviet economy (343 7/28 Prath-FL)
12030 1900 RM-Petropavlovsk: RR; IS, ID, M tkl (444 7/24 Findlater-CA)
12040 2240 RM-Yevpatoriya: EE; rock mx pgm, ID (444 7/7 Neff-FL)
12050 2221 RM-Petropavlovsk: EE; press review (333 7/23 Reeves-OR)
12060 2000 RM-Vinnitsa: EE; IS, ID, M nx (555 7/14 Findlater-CA)
12070 1900 RM-Khabarovsk: RR; IS, ID, M/W tkl & pop mx (444 7/17 Findlater-CA)
13605 2224 RM-Petropavlovsk: EE; press review (222 7/23 Reeves-OR) (Findlater-CA)
13680 0400 RM-Kinghisepp: RR; IS, ID, M tkl (555 7/17 Findlater-CA)
13690 0400 RM-Ryazan: RR; IS, ID, M tkl, 0430* (333 7/31 Findlater-CA)
13765 1015 RM-Vladivostok: KK; M/W w/ pgm on nuclear power plants, "Yogineun Mosukon-pon bangsong kuk-immida" ID @ 1029, IS (433 8/1 Park-HI)
15110 1200 RM-Kazan: EE; chimes, ID, wld nx (344 7/20 Rocker-FL)
15125 2059 RM-Zhigulevsk: RR; IS, ID, M tkl (333 7/17 Findlater-CA)
15150 2215 RM-Yerevan: SS; IS, M w/ tkl abt soviet economy (333 7/14 Prath-FL)
15150 1527 RM-Chita: Urdu; ID @ 1529, ID "Yeh R. Moskau", fanfare & anmt, into nx (233 7/19 Park-HI) (ILG lists Hindi at this time. -ed)
15175 0155 RM-Frunze: SS; M tkl, "R. Moscow International" ID (fr 7/18 Fanularo-JP)
15180 2214 RM-Komsomolsk: EE; tkl on Lithuanian literature, choral mx, 2228* (232 7/14 Carson-OK) (Findlater-CA) (Reeves-OR)
15305 0850 RM-Voronezh: EE; "Folk Box", !! 15375, 15585 (322 8/5 Westenhaver-OU)
15315 2029 RM: EE; nx in brief (333 7/23 Reeves-OR) (Carson-OK)
15375 0730 RM: EE; M w/ nx (444 7/22 Findlater-CA)
15405 2033 RM-Petropavlovsk: EE; "The Jazz Show", !! 15425 (444 7/23 Reeves-OR)
15425 0055 RM-Yevpatoriya: EE; mx, ID @ 0100, nx (222 7/30 Wolfson-OH)
15425 0730 R. Tikhy Ukean-Petropavlovsk: RR; M/W tkl interspersed w/ speeches via telephone, mx, IS @ 0800, ID (444 7/9 Findlater-CA)
15440 1200 RT-Tashkent: EE; nx (343 6/23 Kiselyov-USSR)
15460 1203 RT-Tashkent: EE; nx, ID @ 1210 (333 8/1 Dichorek-NJ)
15465 0359 RM-Tbilisi: SS; IS, ID, M tkl @ 0400 (333 7/11 Findlater-CA)
15475 0000 RM-Voronezh: SS; IS, ID, M tkl (333 8/1 Findlater-CA)
15480 1717 RM-Minsk: FF; W w/ class. mx pgm, !! 15490 (433 7/9 Park-HI)
15485 2325 RK-Yevpatoriya: EE; elections results (444 7/23 Brown-IL) (Findlater-CA)

15495 040 M-Moscow: RR; russian class. vocal mx, !! 15225 (333 7/18 Findlater-CA)
15500 0100 AM-Yevpatoriya: FF; M/W tik, into SS @ 2200 (555 7/22 Findlater-CA)
15510 0100 R-Magallanes: RR; IS, ID, W tik (444 7/31 Findlater-CA)
15520 0300 RM-Armavir: SS; M tik, !! 15510 (333 8/1 Findlater-CA)
15540 0300 RM-Orsha: EE; M/W nx & cmtry, !! 15550, 15230 (444 7/11 Findlater-CA)
15550 2305 RM-Zhigulevsk: EE; wld nx, "Profiles in Industry" (243 7/18 Rocker-FL)
15560 2112 RM-Chita: EE; "Focus on Asia & Pacific", !! 15595 (333 7/3 Park-HI) +1
15580 0039 RM-Petropavlovsk: EE; "The Jazz Show" (444 7/23 Reeves-OR)
15585 0100 RM-Ivano Frankovsk: SS; IS, ID, W tik (333 7/27 Findlater-CA)
15585 0300 RM-Yevpatoriya: EE; ID, W nx (444 7/25 Findlater-CA)
15595 0030 RM-Vladivostok: EE; M/W cmtry on future of communist party (444 7/27 Findlater-CA) (Reeves-OR)
17560 0230 RM-Kalach: EE; IS, ID, M/W w/ "Learn Russian" (444 7/22 Findlater-CA)
17565 0200 RM-Moscow: SS; IS, ID, M tik (444 7/23 Findlater-CA)
17570 0530 RM-Khabarovsk: EE; "Update", W cmtry on Gorbachev problems w/ Yeltsin, RR mx @ 0540, !! 17560, 17850, 15540 (444 7/12 Findlater-CA)
17580 0100 RM-Frunze: SS; IS, ID, M tik, !! 17680 (444 7/19 Findlater-CA)
17585 1500 RM: FF; ID, TC, wld nx, tik abt perestroika (444 8/6 Westenhaver-QU)
17590 0800 RM: RR; ID, clock chimes, M/W tik (333 7/15 Findlater-CA)
17595 0140 RM-Moscow: SS; ID, M tik, !! 17580, 17660, 17785 (444 7/12 Findlater-CA)
17595 1705 RM-Starobelsk: EE; nx, ID @ 1710, cmtry on 28th party congress, !! 17615, 17655 (242 7/14 Rocker-FL)
17600 1600 RM-Dushanbe: EE; ID, W nx (444 7/26 Findlater-CA)
17605 0530 RM-Petropavlovsk: EE; ID, W cmtry on "music and musicians" contest in Moscow (444 7/12 Findlater-CA)
17615 1830 RSP&P-Frunze?: EE; interview w/ american journalist (333 7/12 Johnson-IL)
17625 0100 RM-Orsha: RR; IS, ID, M tik, !! 17695 (444 7/23 Findlater-CA)
17645 0610 RM-Komsomolsk: RR; coverage of party congress (222 7/2 Park-HI) +1
17660 0500 RM-Yevpatoriya: FF; IS, ID, M tik (444 7/26 Findlater-CA)
17670 1513 RM: EE; tik abt soviet film industry (444 8/6 Westenhaver-QU) (Rocker-FL)
17675 2200 RM-Chita: CC; IS, ID, W tik (333 7/27 Findlater-CA)
17680 0000 RM-Kiev: SS; IS, ID, SS pgm to LA, W tik (555 7/21 Findlater-CA)
17690 0500 RM-Gerpukhov: RR; IS, ID, M nx (333 7/31 Findlater-CA)
17695 2045 RM-Yevpatoriya: EE; jazz show (444 7/23 Reeves-OR)
17695 0935 RM-Khabarovsk: RR; Gorbachev's state of the union speech (233 7/2 Park-HI)
17740 1210 RT-Tashkent: EE; cmtry, listener letters, mx (fr 7/21 Famularo-JP)
17745 1929 R-Afghanistan Relay: EE; ID - "This is R. Afghanistan", nx, lcl mx, tik abt Pakistan (444 7/23 Willers-Switzerland) (Johnson-IL)
17760 0000 RM-Ashkhabad: SS; IS, ID, M/W dialogue (333 7/12 Findlater-CA)
17785 0300 RM-Frunze: SS; IS, ID, M tik (444 7/31 Findlater-CA)
17810 1528 RM-Yevpatoriya: AA; ID, fill mx, radio play (443 8/6 Westenhaver-QU)
17835 1059 RM: Swahili; IS, W ID - "Hii ni R. Moscow", nx (322 8/6 Park-HI)
17850 0800 RM-Khabarovsk: EE; ID, M nx, "News & Views" (333 7/30 Findlater-CA)
17880 0000 RM: RR; IS, ID, M tik (333 7/24 Findlater-CA)
17890 0020 RM-Irkutsk: EE; correspondent rpts (332 7/17 Rocker-FL) (Findlater-CA)
21490 0100 RM-Irkutsk: CC; IS, ID, M/W tik, !! 21515 (555 7/18 Findlater-CA)
21690 2205 RM-Vladivostok: EE; nx, ID, "Music & Musicians" (242 7/15 Prath-FL) (-ed)
21740 2145 RM: EE; "Music at Your Request", !! 11840 (242 7/14 Prath-FL)

Relays

Havana, Cuba: 11710, 11840, 11850
Plovdiv, Bulgaria: 11790, 15290

Schedules

Radio Kiev in English

2000-2100: 7280 (Europe)

2300-0000: 11770, 12005, 12060, 15180, 17665, 17690 (N. America)

Radio Vilnius in English

2130-2200: 6100 (Europe)

2200-2230: 11790, 13645, 15180, 15455, 15485 (N. America)

[Direct via J. Carson]

Radio Moscow in Arabic

1100-1300, 1400-2000: 12055, 15115, 15210, 17700, 17840

Radio Alma Ata in German

0900-0945: 4545, 6180, 6780, 11950

[SCDX2105 via Pinelands BBS]

All of this month's site IDs are from the z1990 ILG. The electronic edition of SCDX is back, so I should have more schedule information in the future. assuming I have room to print it, hi! Thanks again for your tremendous support. 73, -Jason

AFRICA

Paul Wakefield Box 188
West Branch, IA 52358

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

Another column, another wrangle with the local editorial staff.
"Please, Teddy, give that disk back to daddy! No, the loggings don't NEED.
resorted! What's that he's rubbing into the carpet? Relax, it's only
chocolate pudding, that's a GOOD boy... . Novice editors. Now I understand
what Woody Seymour has to put up with.

ALGERIA

11745 1928 RTV Algerienne: FF: M w/cmtry. @1936 M & W singing to mx
(333 8/7 Cadorette-MA)

ASCENSION ISLAND

6005 1845 BBC: EE: Nx rpts about Africa. TC & ID. QRM de RIAS Berlin
(433 7/27 Willers-Switz)
9640 0715 BBC: EE: US policy vs Khmer Rouge (444 7/19 Scott-CA)
11750 0129 BBC: EE: Financial report, ID. mx (322 7/13 Brown-IL)
15260 0135 BBC: EE: British rock mx blasting away following folkish
type mx (434 7/5 A.Jones-TN) (Reeves-OR) (Brown-IL)
15105 1900 BBC: FF: ID, English by Radio (333 7/19 Findlater-CA)
15400 2032 BBC: EE: Vintage chart show (222 7/23 Reeves-OR) People
released from Baghdad //15070 (454 8/7 Cadorette-MA)

BENIN

4870 *0559 ORT du Benin: FF: NA, W "Ici Cotonou...", s/on anmt w/frqs.
@0602 into lcl hilife mx, bad splash from LV de Cinaruco
on 4865 (222 8/1 Westenhaver-PQ) (Bishop-NY)

BOTSWANA

7255 0358 R. Botswana: Sets: Farmyard IS (322 7/16 Johnson-IL)

BURKINA FASO

4815 0000* RTV Burkina: FF: NA, then off the air (433 7/24 Bishop-NY)

BURUNDI

6140 1820 LV de la Revolution: FF: M w/nx. "La Bamba", slow fade out
(333 7/16 Willers-Switz) (Burundi is now running a full
100 kW on this freq- look for them this season-ed.)

CAMEROON

4000 2250 R. Bafoussam: FF: Hilife mx past 2300, M gives casual s/off
@2303 w/two ment of Bafoussam- UTE QRM (322 8/7 George-MA)
4850 0524 CRTV: FF/EE: A capella choral mx, brief M tlk. mx w/steel
drums, @0530 W in EE "Good morning, listeners" into vocals
much QRM (222 8/5 Thompson-CA) (Johnson-IL) (Bishop-NY)

CHAD

4904.5 0455 RN Tchadienne: FF: M & W mx prg. nx (253 7/15 Gears-IL)

CONGO

3265 2037 RTV Congolaise: FF: Natl nx //4765 (333 6/15 Kiselyov-USSR)
15190 1305 RTV Congolaise: FF: Casual DJ w/hilife & Afropops, dramatic
ID w/bckrd mx & echo effects @ 1315, 1317, 1327, hard to
copy, sounded like "Ici Brazzaville" (322 8/8 George-MA)

COTE D'IVOIRE

4940 0558 RTV Ivoirienne: FF: NA, s/on, mx (353 7/13 Johnson-IL)

EGYPT

9475 0228 R. Cairo: EE: Nx, reports on Palestinian issues, Press
Review, ID (414 7/22 Wolfson-OH) cmtly- July Revolution, mx
(252 7/23 Malone-TX) (Tresher-PA) (A.Jones-TN)

EQUATORIAL GUINEA

7189 2225 R. Africa: EE: "Voice of Faith". @2255 ID. s/off anmt. \$20 T-shirt offer, mini version of orchestral NA [is nothing sacred? - ed.] (242 7/22 D'Angelo-PA)

ETHIOPIA

9560 1535 VO Ethiopia: EE: M ancw w/world nx. @1538 "And that is the news from the External Service of the VO Ethiopia". anmt of upcoming prg, mailbag prg. 1558* w/complete ID & address, co-channel QRM (333 7/7 Hardesty-OKI)

9660 1800 VO Ethiopia: EE: M w/nx, "welcome everybody to the VO Ethiopia". local mx (433 7/23 Willers-Switz)

GABON

11835 2326 R. Japan: EE: Interview w/student returning to Japan from Sri Lanka. ID. nx (333 7/14 Brown-IL) (Johnson-IL)

12035 2115 SRI: EE: SW Merry-Go-Round. ID (pr-rr 7/28 Famularo-JP)

15475 1946 ANO: FF: Native mx //9580 (354 7/24 Lucas-NY) Fast talking DJ (333 7/26 Willers-Switz)

21635 0000 R. Japan: JJ: ID. M & W tlc. 0030* (444 7/25 Findlater-CA)

21700 1502 R. Japan: EE: Japanese oil consumption & stockpile. sanctions vs Iraq. ann of Hiroshima (232 8/5 Cichorek-NJ) (Famularo-JP) (Willers-Switz)

GHANA

4915 2243 GBC-1: EE: Christian mx. into nx- forestry project (332 7/24 Bishop-NY) (Johnson-IL)

KENYA

4934 1855 VO Kenya: EE: Pop mx. ID & nx @1900 followed by cmtry & more pops (333 7/14 Willers-Switz)

LIBERIA

6035 0520 VOA: EE: African service (still on despite civil war) (and still on as of 8/14- ed.) (444 7/13 Johnson-IL)

7280 0635 VOA: EE: ID for "Daybreak Africa". George Steinbrenner. US aid to rid Africa of locust plagues [the Yankee fans I know wouldn't make a distinction between them- ed.] (444 8/1 Westenhaber-PQ)

11830 1600 ELWA: EE: IS. ID. nx //4760 (322 6/21 Kiselyov-USSR)

11955 0802 ELWA: EE: Special Report (322 6/22 Kiselyov-USSR)

17870 2110 VOA: EE: Nx about Iraq & Saudi Arabia //15410. 15445 (333 8/7 Cadorette-MA)

LIBYA

6000 0522 R. Jamahiriya: AA: Arabia. Buddha. AA mx. Amman (533 7/28 Trescher-PA)

15415 1950 R. Jamahiriya: AA: M w/dedications in between mx (232 8/7 Cadorette-MA)

MADAGASCAR

15150 1450 RN: EE: "Media Network". Bruce Hornsby mx. tlc on US spacecraft launched to study magnetosphere //17605. 17575 (333 7/19 Park-HI)

15560 1835 RN: EE: Nx. "Media Network" w/rpt about Indian satellites. ID (333 7/26 Willers-Switz) (Johnson-IL)

MALI

5995 0609 RTV Malienne: FF: Native folk mx (323 7/12 Johnson-IL)

15100 0004 RB: EE: Nx- Chinese mayor to visit the US, Afghan peace proposal refused. Chinese nx (433 7/11 Brown-IL)

17705 0007 RB: EE: Nx- India to open dialog w/Pakistan. state of emergency in Trinidad (333 7/28 Brown-IL) (Cadorette-MA)

MAURITANIA

4845 *0627 RTV Mauritanie: AA: S/on in AA after guitar mx IS (343 7/14 Johnson-IL) Beautiful IS- string theme w/more & more complex variations (354 8/8 George-MA)

MOROCCO

17815 1703 RTV Marocaine: EE: Nx. ID. pop mx from Simply Red. couple min of tech problems followed (444 7/21 Willers-Switz)

NAMIBIA
3290v 0054 NBC: EE: Pop. gospel mx. ID @0100 (322 7/23 Bishop-NY)

NIGER
5020 0540 LV du Sahel: FF: West African mx (454 7/15 Johnson-IL)

NIGERIA
4990 2301 R. Nigeria: EE: M w/nx until 2305 ID. followed by pledge & choral NA (353 7/22 D'Angelo-PA)
7255 VO Nigeria: EE: reported by (Brown-IL) (Carson-OK) (Findlater-CA) (Flynn-CA) (Johnson-IL) (Neff-FL) (Thompson-CA) (Willers-Switz)

RWANDA
17860 2001 DW: GG: M w/nx. many ment of Iraq (555 8/7 Cadorette-MA)

SEYCHELLES
11730 0300 BBC: EE: ID & relay site given. nx (252 7/12 A.Jones-TN)

SIERRA LEONE
3316 *0556 SLBC: EE/VN: 7-note chime IS, NA @0559. s/on in EE. into recitation in AA [well done, Steve!-ed.] (222 8/5 George-MA)

SOMALIA
7198t 1730 R. Mogadishu: SM/AA: Long M tlk. many ment Somalia, AA & local mx, no news or pips at the hour, 100% sure its them (333 7/17 Willers-Switz)

SOUTH AFRICA
3320 0058 R. Orion: EE: M w/ID. G.Michael mx (242 7/25 Johnson-IL)
7270 0430 R. RSA: PP: IS to s/on. EE/PP ID. NA. freqs. nx (433 8/4 Thompson-CA) (Gears-IL)
11900 *1459 R. RSA: LZ: IS, EE/Lozi ID, NA (pr-fr 7/9 Famularo-JP)
11925 1531 R. RSA: EE: African nx. synthesizer mx. ID- co-channel QRM by two stations (pr-fr 7/24 Famularo-JP)
15270 *1758 R. RSA: EE: ID. pips. nx (333 7/27 Willers-Switz)
17835 1110 R. RSA: EE: "Touring RSA" //11900 (232 7/1 Park-HI)

TOGO
5046.5 0527 RTV Togolaise: FF: Soft chime IS, NA. opening anmts by M (454 7/15 Johnson-IL)

TUNISIA
11550 0500 RTV Tunisienne: AA: ID. nx by M (333 7/30 Findlater-CA) (Johnson-IL)
12005 1858 RTV Tunisienne: AA: W w/ID. nx//11550(343 8/7 Cadorette-MA)

ZAIRE
7205t 0410 LV du Zaire?: FF: Lots of mx but couldn't catch ID (222 7/11 Gears-IL)

ZAMBIA
4910 0430 ZNBC: VN: Natl lang tlk by W, choral mx (232 7/9 Flynn-CA)

CLANDESTINES & UNID
5015 *0430 R. Truth: EE: IS. anthem. s/on. M & W w/nx (222 7/23 Karcheski-MA) (George-MA)
15650 0318 R. Iran: FS: W ID. strident mx. open carrier to 0322. then a five second tone. followed by a conversation between "Condor" & "Angry Worm" on poor signal. Condor then speaks to wife in US via phone patch (7/26 Bryant-UT)
15685t 1202 VO Unity: ??: Prayers. tlk/mx prg. ments of Khartoum. Kabul. Palestine. 1258* (454 7/21 Hardester-OKI)
18515usb 0100 UNID: modern African & New Age mx- per RN's Media Network. refugees have holed up in the VOA's Monrovia relay, and are using a 10 kW transmitter on the site (252 8/3 Johnson-IL) [I've logged them @1200-1600. with mx and occ. TC's on the hour, as well as the occ anmt "we're still here"- can anyone confirm the QTH?-ed.]

Thats all that fits- my apologies for the meat-cleaver editing. CU in Oct



ASIA/OCEANIA

William Westenhover
3525 Aylmer St., #610
Montreal, Quebec, Canada
H2X 2C1

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

Loggings and station news from the Gulf region will, of course, be emphasized in this September column, in the wake of Iraq's invasion of Kuwait on August 2. Unfortunately, that means that some loggings from altogether more peaceful and pleasant parts of A/C-land will have to be condensed rather more than usual.

AUSTRALIA VLQ9 Brisbane VLW15 Wanneroo Radio Australia
9660 0743 VLQ9: EE: Sports to 0800; then ID/nx (232 7/29 Brown-IL) @ 0723 w/ID/TC; px on food preferred by Japanese tourists (333 7/19 Scott-CA) @ 0806 w/lcl nx/wx/sports; @ 0810 "PM" current affairs px; hri well here lately! (343 8/1 ed.)
15425 0830 VLW15: EE: Doris Day song (434 7/15 Johnson-IL) @ 0900 w/nx including preparations for Xmas 1991 in Perth; 0917* (233 7/19 Russell-MI) (Hurry! Less than 500 shopping bags left! - ed.) @ 0908 w/ABC ID; TC's; country mx (242 7/14 Wakefield)
17630 1259 RA: EE: IS to 1302:13, when joined RA nx in progress; this frq and //21775 (SIO 141) are beamed to Mideast 1300-1500 as of today (242 8/13 ed.)

Other RA loggings (in EE unless otherwise noted): 5995 by Park-HI; 6020 by Russell-MI; 6035 by Robinson-FN; 6040 by Thompson-CA; 6080 by Reeves-OR; 9580 by Langlois-FL; Reeves-OR, Wolfson-OH; 9710 in JJ by Rucker-FL; 9770 in VV by Carson-OK; 11720 by Neff-FL; 13745 by Janusz-NJ, Russell-MI, Willers-SW; 15240 by Kiselyov-USSR and Scott-CA; 15560 by Cichorek-NJ and Park-HI; 17795 by Carson-OK, Thompson-CA; 21740 by Carson-OK, A. Jones-FN, Scott-CA, ed.; 21825 in JJ by Park-HI.

BANGLADESH Radio Bangladesh
11707.3 1519 RB: (1)HINDI: W hosting nice sub-continent songs; ID; M nx @ 1530; //15255; nothing on 17852 (fr 7/20 Famularo-JP)

CHINA Radio Beijing
2754 1417 VO THE STRAIT: CC: CC pop mx w/w host; hri //6115, 6170, 7280, 11590 (pr 7/8 Famularo-JP) (t) @ 1458 on 2755 w/EE lessons; TP and (t) "Fuzhou...tential" ID; then tlks w/ many ments Taiwan; //6170 (454 7/7 Harierster-JF)
3260 1445 (t)GUIZHOU PBS: CC: EZL inst mx w/short M tlks between cuts; @ 1500 TP and poss. ID; 1502* (454 7/21 Hardester-JF)
3280 1233 (t)VU FUJIANG: CC: M/W hosting inst mx px; other w tlk w/ments Taiwan; no TP on hour; //3930 (SIO 353) (454 7/7 Hardester)
11515 1334 RB: JJ: nx update; ID (323 7/24 Reeves-OR)
11575 1750 RB: EE: "Idioms and Their Stories"; then s/off anmts; hrd // 9570, 15225nf (423 7/25 Park-HI)
11855 1303 RB: EE: world nx; ID @ 1305; fading pretty fast (243 7/18 Rucker-FL) (welcome back, Raymond! -ed.) Also noted @ 1415 by Langlois-FL and @ 1310 by Johnson-IL.
12015 *1100 RB: CANTONESE: IS: "Bah-king gangbo lianta" ID; (p) preview/nx (344 7/29 Park-HI) (Cantonese is sked here, Dale. -ed.)
12450 1105 RB: IN: "Lite rock" patriotic song; M tlk; more mx; poor mod; //17680, 15135 (242 7/8 Park-HI)

COOK ISLANDS Radio Cook Islands
11761 0850 (t)RCI: MAORI?: Choral singing in aboriginal style; had to use USB to avoid het (121 7/20 Russell-MI)

Not enough room to start French Polynesia here. Instead, I'll put out a general call for Mideast loggings from members who speak Arabic.

FRENCH POLYNESIARFO Tahiti

- 11827.0 0816 RFO: TAHITIAN: Non-stop Tahitian songs; //15170.8 was SIC 232 (232 8/1 ed.) @ 0523 w/nearly non-stop island songs w/w host (333 8/6 Thompson-CA)
- 15170.8 0225 RFO: FF: Px of FF rock mx (222 7/7 Thornton-NJ) @ 0430 w/ beautiful island mx; ID's (444 7/22 Gears-IL) (Hi, Gary!) @ 0727 with, of course, music (323 7/12 Johnson-IL)

GUAMASDA KLRB

- 11980 1632 ASDA: EE: Bible study px; ID/address @ 1658* (222 7/14 Brown-IL) @ 1554 w/special px from Adventist World Conference in Indianapolis (offered special QSL's for reporting this) (243 7/12 Flynn-CA)
- 13720 1038 ASDA: EE: Special px from Adventist 55th world session live from Indianapolis (454 7/7 Hardester-JP)
- 15200 0822 KLRB: EE: Religious sermon (242 7/15 Johnson-IL)

INDIAAll India Radio

- 3315 1510 AIR BHOPAL: ??/EE: Frai Indian mx; mx in lang; EE mx @ 1530; //73375, 4860, 7160 (pr-fr 7/12 Famularo-JP)
- 10330 1711 AIR DELHI: EE: w w/"Letters" px w/mx dedications; //7160, 9950 (222 7/23 Park-HI)
- 11760nf 1424 AIR: EE: Press review; ID (fr-ai 7/21 Famularo-JP)
- 11935 1805 AIR: EE: World/regional mx; cmty on economy in wake of PM Singh's resignation; //15360 (332 7/19 Park-HI)
- 15020 1258 AIR: SIMLA: IS: s/on routine; mx (353 7/17 Johnson-IL) @ 1328 w/lcl mx; @ 1330 "Me All India Radio..." ID; no // hrd (322 8/5 Wakefield-IA)
- 17387 1013 AIR: EE: Tlk on democratization in Africa; @ 1016 ID/sked info (232 7/20 Cichorek-NJ) @ 1045 w/"Dancers Corner"; 1056*; //15050, 15335 (323 7/9 Colyard-NJ)

INDONESIARadio Republik Indonesia

- 3232 1438 RRI SUKUPITINGGI: IN: Light vocals/mx; RRI ID @ 1459; then @ mx (poor 7/10 Famularo-JP)
- 4789.7 1333 RRI FAA-FAA: IN: w vocals w/m ancr to 1354; s/off anmt w/RRI ID's and what sounded like "Irian," vice "Fak-Fak;" inst anthem; 1357* (333 7/4 Hardester-JP)

IRANVoice of the Islamic Republic of Iran

- 9022 1945 VOIRI: EE: Unbiased nx re USSR/NAFO; ID's; "2001" theme; into cmty on Syrian-Egyptian relations (fr 7/14 Famularo-JP)
- 15084 0200 VOIRI: SS: w tlk; //11930, 9022 were weak but audible (333 7/3 Finlater-CA) @ 2210 in (1)FARSI w/tlk, heavily jammed (111 7/6 Reeves-OR)

(If the peace plan that Saddam Hussein proposed to the Iranians today (8/15) goes through, it should be even more interesting to hear what VOIRI has to say about the Gulf crisis.--ed.)

IRAQRadio Baghdad

- 9515 0139 (t)RB: AA: Long M tlk of some kind (222 7/5 A. Jones-IN)
- 13660 2100 RB: EE: Frai AA vcls; talk of "hostilities against Iraq" and "Iraq's reputation"; EE pops; frequent ID's (545 8/2 Robinson-IN) @ 2134 w/EE song "Reunite!"; tlk re planned US/Israeli invasion of Iraq--"what happened in Kuwait is a totally different matter" (454 8/9 Janusz-NJ) @ 2107 w/Gloria Gaynor's "I Will Survive;" AA song; mbg px; played "Reunite!" @ 2127 (344 8/10 ed.) (Also logged, before the invasion, by Finlater-CA, Johnson-IL, Neff-FL, Willers-SW.)

(As the official voice of the belligerent, RB is perhaps the key station from the region to be monitoring these days. It's certainly tempting to read some significance into the titles of the EE songs they play--especially Jefferson Starship's "Nothing's Going to Stop Us Now," which they played 8/15 @ 2133. It's also interesting to note that they're playing more western pop mx than they were several months ago. Look, too, for new feature px in the wake of the invasion, such as the px "Kuwait--A Part and Parcel of Iraq" hrd on 8/15.)

ISRAEL

Omitted for space reasons--all reported frqs were listed in the July or August columns. Note that, as of 8/26, Israel reverted to standard time, so that all Kol Israel and Heshet Bet relay bcsts are now one hour later, in terms of UTC. They also changed to their fall frequency sked as of that date, so loggings of the new sked would be welcome. Thanks in advance for your help!

JAPAN NHK relay Nihon SV Hosting Radio Japan
 3377.5 1050 NHK DSAAA: JJ: M tlc; @ 1100 PJ-style PP; ment of "NHK" and back to tlc; in SS@ (33) 7/4 Harlester-JP)
 3970 1145 NHK JAPPRO: JJ: M tlc; @ 1200 RJ-style PP and definite NHK ID; in SS@; het to unID carrier-397? (33) 7/14 Harlester)
 6055 1305 NBB: JJ: Energetic M/W tlc (nx?); //3925 was SI) 242 (444 7/24 Reeves-OR)
 9595 0830 NBS: JJ: Animated M/W dialogue w/frequent ments Tokyo; no ID hri but was //6115 (444 7/29 Finlaler-CA)
 HJ was logged as follows: 11865 in EE by Park-HI and Reeves-OR; 17810 in JU by Park-HI; 17890 in EE by Finlaler-CA.

LIBANI Radio Libani
 14917.7 0556 (t) AA: EE: Music px; very faint signal w/no ID hri (.41 7/12 Johnson-IL)

KOREA, D.P.R. Radio Pyongyang was logged as follows: 9225 in EE by Reeves-OR; Willers-SW; 9345 in EE by Reeves-OR and in HR by el.; 9977 in EE by Wakefield-IA; 11735.1 in EE by el.; 11975nf (for *0000 EE px) by Famularo-JP; 15230 in EE by Finlaler-CA; Rocker-FL; 15340 in EE by Finlaler-CA.

KOREA, REPUBLIC OF Radio Korea
 3132h 1430 HLA: CC: 2x1566W w/light mx; 2 M tlc; rlc mx; 1459*; harmonic gone when back on *1501 in HR--acct antenna and/or beam change? (pr 7/18 Famularo-JP) (I agree, Ralph, it is pretty strange--el.)

It was logged as follows: 9250 in HR by Reeves-OR; 9250 in EE by Carson-OR; 13670 in EE by Finlaler-CA; 15575 in EE by Bishop-WY; Willers-SW.

KUWAIT Radio Kuwait
 136.0 2030 HA: EE: px of rock mx w/ID's (343 7/6 Jeff-FL) @ 2030 w/ "Amazing Facts" px (rock mx w/trivia between cuts) (445 7/7 Jolyari-AJ) @ 1847 w/lots of W. western pop songs (352 7/0 A. Jones-TX) @ 1916 w/english DJ hosting "Sound of the 90's" (555 7/26 Willers-SW) @ 1811 w/Gulf Cooperation Council px; Kur'an; pop mx; nx @ 1830; "obviously pre-invasion programming" (121 Park-HI) @ 1814 w/western pops; nx/wx @ 1830 (424 7/28 Wolfson-JR)... @ 2130 in AA w/traf AA mx/vcls; annts w/ment Kuwait (555 8/2 Robinson-TX) (It seems that there were no EE hosts on this frq on 8/2, since the Iraqi invaders had captured RK's studios by this time--el.)
 13620 2357 HR: AA: AA mx; "Auna al-Kuwait" ID on the hour and into (p) nx (454 7/19 Rocker-FL) (This frq seemed to be staying on clear through the UFC late evening/night through most of July.--el.)
 15495 2315 HA: AA: W/H tlc; weak signal (SI) 8/1 Finlaler-CA) (Just a few hours before the invasion...this frq seems to have been one which stayed on after the invasion, though reception here was much poorer than on the parallel frqs.--el.)
 15505 2350 HR: AA: ID; Islamic chanting (probably Kur'an--el.); //15495 (33) 7/27 Finlaler-CA) (Despite some jamming, this was the best post-invasion frequency here.--el.)
 17395 0400 HA: AA: ID; W tlc (33) 7/30 Finlaler-CA)
 21675 1445 HA: AA: W nx; AA/EE mx (33) 7/14 Langlois-FL) @ 1417 w/AA mx and a annts; bubble jammer; //15495, 15505 both poor--bubble jamming on 15505 but not 15495 (poor 3/2 Famularo-JP) (Ralph, despite the news-TV rpt calling this sta the "the revolutionary Kuwait," BBC W rpts say that the post-invasion hosts were run from the sta site by AA people; the repeated annt asked for help from the GCC states and the Arab world in repulsing the invasion. BBC W also reported that all hosts from L. ceased @ 1111 UTC on 8/3; they haven't been heard since.--el.)
 (Besides my own monitoring, the extra information in this section came from "Media Network" and "World of Radio" broadcasts, which both contained much valuable information.--el.)

LEBANON Voice of Hope Voice of Lebanon
 6280 2048 WHL: EE: W rlc tlc; addresses in Israel/London; nx; ID (344 7/27 Willers-SW) (t) @ 1615 w/tlc in unID (at least lang to 1659; then EE tlc w/P.O. box address/postal code ending "3.7" (has to be Canadian address.--el.) and ment "In the 49m bani" (222 7/2 Harlester-JP) (Nice one, Mike!--el.)
 6549.4 1919 WHL: AA: W nx; long W tlc abt Allah (344 7/14 Willers-SW)

MONGOLIARadio Ulan Bator

12015 1223 RUE: EE: Regional vcl mx w/F tlc; s/off w/ID @ 1730* (222 7/30 Carson-JA)

NEW CALEDONIARFO Nouméa

7170 0604 RFO: FF: Beautiful choral mx; * tlc (Sermon? sounds like church service.) (322 8/5 Thompson-CA)

NEW ZEALAND

HNMI logged on 9855 in FF by Famularo-JP and in EE by Scott-CA, ed.; on reactivated 15485 in EE by Brown-IL, Park-MI; on 17675 in EE by Brown-IL, Carson-JA, Famularo-JP, Johnson-IL, Scott-CA.

OMANSBC relay

15310 1410 SBC: EE: Live play-by-play of Wimbledon final between Liberg and Becker; //11750, 9740 via Singapore (333 7/8 Park-MI)

PAKISTANRadio Pakistan

11570 1825 RP: EE/URDU: FM Benazir Bhutto answers questions abt Pakistan/India in both langs; ID: lcl mx (455 7/17 Millers-SJ)
 11711.4nf1603 RP: EE: regional/national mx; cmt; @ 1616 slow-speed mx; Is this ex-17895?; //13665, 15605 (222 7/23 Park-MI)

PAPUA NEW GUINEA

2410 1150 (t)R: ENGA: PNG-style choral songs; * tlc; very weak/noisy conditions (unus-or 7/16 Famularo-JP) (If it was them, it's nice to know that they've reactivated.-ed.)

PHILIPPINESRadio Veritas Asia Far East Best Corp VOA relay

9555 1101 RVA: EE/VV: LCL mx w/EE voiceover ID/anmt of upcoming VV best (434 7/25 Park-MI)
 11845 1055 RVC: EE: "Back to the Bible"; w s/off anmt; 1059*; ex-1850? (322 7/31 Park-MI) (That's my understanding, Dale.-ed.)
 15110 1055 RVA: mx: Tlc ment Azerbaijan; s/off anmt w/"Radio Stansi Radio-Veritas" ID/address; EE s/off anmt/ID; some xasn breaks (333 7/25 Park-MI)
 17840 2300 RVA: JJ: W tlks in JJ; EE ID @ 2325* (444 7/16 Pinilater-CA) (I did finally hear from RVA concerning the dropping of EE bests at the end of 1989; this was done to free up limited resources to make possible the starting up of bests in RR.-ed.)
 (VOA relay logged as follows (all in EE): 6110 by Reeves-JR; 11870 by Park-MI; 15155 by Wakefield-IA; 15160 by ed.; 15425 by Brown-IL.)

SINGAPORE

SBC IS relay noted in E on 9740 by Reeves-JR; on 11750 by Reeves-JR, Millers-SJ. Note, too, that 17330 in the *2200-0045* time slot is via Hong Kong and not Singapore.-ed.)

SOLOMON ISLANDSSolomon Islands Best Corp

9545 0730 SIBC: EE: World/lcl mx; ID (242 7/30 Fisher-MA) @ 0650 w/mix of island/rock mx; eis for tires/hardware/trucks (333 8/1 Thompson-CA) @ 0742 in PD w/px of EE/EE songs; * JJ w/frequent PD's; @ 0759 ID; then mx; off abruptly 0804:50*; my first SIBC logging ever! (333 8/5 ed.) (Also logged by Brown-IL, Johnson-IL, and by Val Scott-CA, who particularly recommends their 0730 Pacific nx bulletin.-ed.)

SRI LANKASri Lanka Best Corp

11835 1054 SIBC: EE: * tlc abt economy; @ 1101 ID; into px of lcl mx (343 7/16 D'Angelo-PA) @ 1112 w/country mx; ID; tlc abt Soviet Communist Party (131 7/15 Cichorek-NJ) @ 1125 w/group discussion of Buddhism; s/off anmt and fill mx; 1135*; w/FH and Moscow/Cuba JRN on adjacent channels (121 7/27 Russell-MI)
 17850 1110 SIBC: EE: "Hour of Decision" rlg px; @ ID/PC; light inst mx; falling unter/over co-char RR stn (pr-fr 7/21 Famularo-JP)

SYRIARadio Damascus

12085 2230 RD: AA: AA mx; W ID/nx; //15095 (333 7/14 Prath-FL)
 15095 2118 RD: EE: Nx; ID @ 2120 (433 7/8 Zarcheski-PA) @ 2120 w/rpt on OPAC; ID; AA mx (343 7/15 Prath-FL) @ 2036 w/ID; atleast mx; "Welcome to Syria" px (343 7/7 Neff-FL) (Also logged in EE by Johnson-IL, Reeves-JR.) (This is another important stn to keep monitoring during the Gulf crisis.-ed.)

FAIRPLAY Central Post System Voice of Free China
Post Corp of China relay

11775 1337 CC: CC: W tlks: this fri not jammed, but //6180 was (444 7724 Reeves-J)

11745 *2100 VJ: JJ: I/s/on routine; 2 tlk (333 7/1 Finlater-CA)

15125 1545 CC: CC: Relay of FR network #1 w/CC pos/romantic vocals: alt M/W ancrs: //11885 clear but weak (153 7/3 Flynn-CA)

INDEX VO Turkey logged on 9445 in Turkish by A. Jones-PA and in en by Flynn-CA; on 9795 in en by Bishop-KZ.

UNITED ARAB EMIRATES VO Abu Dhabi UAE Radio Dubai

11965 2207 VOUAE: AA: Qur'an; 2203 into some sort of radio drama; //13605 (310 333)--no en on that frq; nothing at all on 9600/11965 (434 8/10 ed.)

11985 2345 VOUAE: EE: W px of poetry/mx (333 7/11 Lancelotti-FL) 2130 w/ID; px of American Indian mx/history (333 7/7 Jeff-FL) 2240 w/AA mx px; //13605 (310 433) (434 7/10 Johnson-IL) (at time of typing this, they've dropped en.-ed.)

13605 2214 VOUAE: EE: Annt of new best skel to Ann 'esigne' to convey real meaning of Islam to the West (444 7/14 Cichorek-AJ)

13675 0330 EE: EE: ID: mx of situation in Prini en (332 8/1 Brown-IL)

15185 2300 VOUAE: EE: W mx: //13605 (333 7/9 Finlater-CA) (Interesting. John: I'd heard nothing about this fr.-ed.)

15400 0330 EE: EE: px "Flourishing Civilization" abt a mosque in Car-Toba (444 7/16 Johnson-IL) 20345 w/fascinating px on history of coffee in Arabia (237 7/25 Russell-WI)

21605 1409 EE: AA: 2 chanting w/lone pauses between verses; no ID; rpt but //15435, 17865 (454 7/21 Wakefield-IA) 1330 in en w/mx by Jlm. Arabic mentioning absolutely nothing about the Iraqi invasion of Kuwait hours before! (444 8/2 ed.)

21700 0530 EE: EE: ID: mx incl world cup stuff; Dubai wx (232 7/1 Colyart-AJ)

21725 0228 VOUAE: AA: Qur'an recitation (233 7/30 Carson-CA) 20300 w/similar px; //11985 (444 7/24 Finlater-CA)

(After those first few days of sticking their head in the sand--they were probably scared stiff--UAE n. Dubai has started talking about the Gulf crisis in their en mxcasts. One wonders if their en bests will continue if things get worse, and why Abu Dhabi dropped their en bests so quickly.-ed.)

VIETNAM Voice of Vietnam

5020nf 1549 VOV: VV: M/W tlk on Kamuchea, Pakistan et al.: 1558* w/1 //74895, 6445.7, 10059 (all fr quality) (Gr-FR 7/20 Famularo-JF)

6616.2 1254 BAC: BAI: VV: W country-opera vocals; lcl mx: co-channel 30 ute WAX (poor 7/14 Famularo-J)

9839.8 1038 VW: VV: px of VW vocals w/KE ID annts between cuts; //15009.4 (310 333) (322 8/5 ed.)

15009.4 1805 VW: EE: W mx/rpt abt Vietnam; ID (344 7/16 Hillers-W) 2030 w/mx; ID: usual Sunday mailbag px (237 7/3 Colyart-AJ) 21614 w/px of VW vocals (222 7/21 Cichorek-AJ) 21250 in JJ w/mx px; 1256* (353 7/17 Johnson-IL)

YEMEN Democratic Yemen post service

7190 *0300 YPS: AA: Anthem; M ID: ments "Yemen" and "Yemen": into Qur'an; en te (p)HFE/AL (222 7/20 Risser-CA) (I wonder if this is still the station's name? According to a BBC report, given by Glenn Hauser on his 7/22 "The World's Finest" segment, even though the two Yemens have united politically, the radio stations haven't yet (one the same.-ed.)

There are a lot of unanswered questions surrounding the radio side of the Gulf crisis. Why did the Iraqi forces wait almost a day and a half to capture Radio Kuwait's SW transmitter site? Are the old SW transmitters still in working order, or were they destroyed? Why hasn't Radio Baghdad put some of its own services on KK's old SW frequencies? What new clandestine service will pop up on the air? (There was a report on BBC on 8/15 that Egypt had offered transmitter time to the Kuwaiti government-in-exile.) Who was jamming R. Baghdad's 23 px on 13660 kHz at 21:5-127 on 8/13--and how much more jamming will we have to put up with? Maybe, with the help of all of you, we'll have some answers in next month's column.

73-Bill

QSL REPORT



Ray Forsgren 4856 Inlet Drive Chippewa Falls, WI 54729

AFRICA

- CAMEROON/ CRTV Bafoussam: 4000 f/d pfc w/ form ltr in 31 ds for \$2.
V/S James Achyani Pontem. (D'Angelo-PA).
GABON/ R Japan Relay: 11835 n/d Tatami Mats cd in 19 ds. (Brown-IL).
MALI/ R Beijing Relay: 11715 f/d Gray Horse cd w/ goodies in 32 ds
for 2 ircs. (Carson-OK).
MAURITANIA/ R Mauritanie: 4845 f/d Map cd in 99 ds after 5th f-up for
a FF rpt & ms. (D'Angelo-PA).
SOUTH AFRICA/ Radio RSA: 9615 f/d J'burg cd in 46 ds for an irc. (OK-
Carson). 9615 & 9580 f/d Durban cd in 49 ds for an irc. (Carson-
OK). 11935 f/d Springbok cd w/ sked in 46 ds for an irc. (Carson-
OK). 21535 f/d Garden Snails cd in 49 ds for an irc. (Carson-OK).
21590 f/d White Rhino cd in 46 ds for an irc. (Carson-OK). Capital
Radio: 7150 p/d form ltr in 91 ds. (Kline-CA).

ASIA

- IRAN/ VoIRI: 9072 p/d Khomeini cd w/ info in 113 ds for 2 ircs. (NI-
Wright). f/d cd w/ books in 141 ds (Takeuchi-JN).
ISRAEL/ KOL Israel: 9435 f/d Logo cd w/ forms in 33 ds. (Bishop-NY).
JAPAN/ R Japan: 17825 n/d Tokyo cd w/ goodies in 30 ds for 2 ircs.
(Scott-CA).
JORDAN/ R Jordan: 9560 f/d Flag cd w/ sked in 19 mo after f-up for
ms. (Cichorek-NJ).
SAUDI ARABIA/ BSKSA: 9705 & 9720 n/d cd w/ ltr & sked in 86 ds after
many tries. V/S Suliman A. Al Samman. (D'Angelo-PA).
SOUTH KOREA/ R Korea: 15575 f/d Staff cd w/ ltr, from & sked in 50
ds. (Bishop-NY).

EUROPE

- AUSTRIA/ RAI: 9875 f/d ORF cd w/ form in 52 ds. (Bishop-NY).
BELGIUM/ BRT: 9925 f/d Painting cd in 68 ds. (Wright-NF).
BULGARIA/ R Sofia: 7115 & 11660 3 f/d cds w/ goodies in ?? ds for 2
ircs. (Carson-OK). RS Home Service; Stolnik: 7670 f/d cd w/ Stolnik
confirmed in 113 ds; after many tries. (D'Angelo-PA)...congrats!
CZECHOSLOVAKIA/ R Prague: 7345 f/d Architecture cd in 27 ds. (Wright-
NF). f/d Monastery cd in 38 ds for an irc. (Carson-OK). f/d Museum
cd in 45 ds for an irc. (Carson-OK).
G.D.R./ RBI: 11785 f/d Berlin cd w/ skeds in 68 ds for an irc. (OK-
Carson). f/d Receiver cd in 68 ds for an irc. (Carson-OK). 11890
f/d cd in 45 ds. (Gaharan-LA). 15125 f/d Volksempfänger cd in 68 ds
for an irc. (Carson-OK).
GREECE/ VoG: 7430 f/d Halkidiki cd w/ ltr & sked in 42 ds for 3 ircs
V/S Dimitri Vafeas. (Carson-OK). 9935 f/d cd w/ sked in 26 ds for
an irc. (Takeuchi-JN).
ITALY/ RAI: 9575 f/d Painting cd in 185 ds (Brown-IL). IRRS: 9860
f/d ltr w/ sked & info in 46 ds for 3 ircs. V/S Anna S. Boschetti
(Carson-OK).
NETHERLANDS/ RN: 6020 f/d Hermes cd in 43 ds. (Brown-IL).
PORTUGAL/ RPI: 9600 f/d Ship/Map cd in 17 ds. (Brown-IL).
ROMANIA/ RRE: 15335 f/d Manuacs Inn cd w/ skeds & info in 179 ds for
2 ircs. (Carson-OK).
SPAIN/ REE: 9630 f/d Sevilla cd in 63 ds. (Brown-IL).
SWEDEN/ RSI: 11705 f/d Stockholm cd w/ skeds in 17 ds for an irc. V/S
William von Arnold. (Carson-OK).
SWITZERLAND/ SRI: 12035 f/d Bern cd in 17 ds. (Brown-IL).

It looks like it's going to be a short column this month!

U.S.S.F.

- R Kiev: 7400 f/d National Park cd w/ goodies in 93 ds for 2 ircs. (OK-
Carson).
R Moscow: 11800 -Dushanbe f/d cd in 54 ds. (Gaharan-LA).
R Vilnius: 7400 5 f/d Land of Amber cds w/ goodies in 129 ds for 3
ircs. V/S Edvinas Butkus. (Carson-OK). 9765 f/d cd in 101 ds for
3 ircs. (Brown-IL).

NORTH AMERICA

- CANADA RCI: 11845 f/d Forestry cd in 15 ds. (Brown-IL). R Japan Relay: 5960 n/d Tokyo Bay cd in 46 ds. (Bishop-NY). n/d cd w/ goodies in 65 ds. (Bishop-NY).
- COSTA RICA RPPI: 7375 2 f/d Logo cds w/ skeds & info in 8 mo for 3 ircs. V/S James Latham. (Carson-OK). UN Radio via RPPI: 13660 f/d Blue Logo cd in 10 ds (Brown-IL).
- CCBA R Habana: 11760 f/d El Morro Castle cd w/ ltr, skeds & info in 9 mo for an irc. (Carson-OK). f/d Seacoast cd in 35 ds for 3 ircs. (Scott-CA).
- MEXICO R Educacion: 6185 f/d ltr w/ photo in 102 ds after f-up for a SS rpt & ms. V/S Ing. Gustavo Carreno L. (George-MA).
- NETHERLANDS ANTILLES RN Relay: 15560 f/d Space Telescope cd in 32 ds (Brown-IL). 21685 f/d Europe cd in 25 ds. (Gaharan-LA).
- U.S.A. VoFC Relay: 5950 & 5985 f/d Cup cd w/ sticker & info in 68 ds for an irc. (Carson-OK). WCSN: 9850 f/d Antenna cd in 30 ds. (D'Angelo-PA). WHRI: 11790 f/d cd in 180 ds. V/S J.L. Holycross (Gaharan-LA). WSHB: 9410 f/d Studio cd in 25 ds. (Wright-NF). f/d cd in 30 ds. (Gaharan-LA). 9455 & 13760 f/d cd in 30 ds. (D'Angelo-PA). 13760 f/d cd in 28 ds for ms. V/S Judy P. Cooke. (Carson-OK). WWCR: 7520 f/d cd in 10 ds after f-up. V/S George McClintock. (Weber-OH).

OCEANIA

- MARIANAS ISLANDS KHBI: 9465 f/d site cd in 35 ds. V/S M. Khoney. (Wright-NF).
- PAPUA NLW GUINEA NBC: 4890 f/d Map cd in 112 ds for \$1. V/S Bob Kabena. (Bagozzi-CA).
- VANUATU R Vanuatu: 7260 f/d Slit Gong cd in 23 ds for \$1. V/S K.J. Page. (Bagozzi-CA).

SOUTH AMERICA

- ARGENTINA RAE: 11710 f/d Logo cd in 97 ds V/S Silvana Licciardi. (Brown-IL).
- BRAZIL RadiBras: 11745 f/d Cathedral cd in 52 ds. (Brown-IL). f/d cd w/ skeds, info & sticker in 86 ds for 2 ircs. V/S Claudia Carneiro. (Carson-OK). f/d cd w/ sked & form in 122 ds. (Bishop-NY). R Cancao Nova: 9675 f/d cd, in EE w/ sticker in 195 ds for a PP rpt & \$1. (Flynn-CA)...this was Brazilian #52 for Bill! Congrats!
- ECUADOR HCJB: 9745 & 15155 f/d Mountains cd in 42 ds for ms. (Brown-IL). 15155 f/d Stamps cd in 20 ds for 2 ircs. (Scott-CA). f/d Cotopaxi cd w/ skeds in 45 ds for ms. (Carson-OK). 17875 f/d cd in 18 ds for 3 ircs. (Scott-CA).

UTES

- BRAZIL PPR: 17194.4 f/d ltr in 443 ds for an irc. (O'Connor-NH).
- JAPAN JNA: 16911.2 f/d Console cd w/ ltr in 18 ds for an irc. V/S Akihide Takachido. (O'Connor-NH). JFA: f/d cd w/ info & ham cd in 743 ds. V/S Masato Amano. (O'Connor-NH).
- MAURITIUS 3BM: 16978.4 p/d ltr in 125 ds after f-up for ms. V/S P. Ankiash. (George-MA).
- U.S.A. KA2XXB: 1660 f/d cd in 19 ds for ms. V/S Shelly T. Williams. (O'Connor-NH).
- SHIPS WZL-5284: 16463.1 f/d pfc in 16 ds for ms. (O'Connor-NH). VRNL: 16463.1 f/d pfc in 36 ds for an irc. (O'Connor-NH). P3GG2: 16463.1 f/d pfc in 86 ds for an irc. (O'Connor-NH). VSBZ6: 16463.1 f/d pfc w/ photo in 90 ds for an irc. (O'Connor-NH). 5BND: 16463.1 f/d pfc w/ ltr in 174 ds for an irc- which was returned. (O'Connor-NH). 9GYS: 16463.1 f/d pfc w/ ltr in 132 ds after f-up for an irc- which was returned. Flag #34 -Ghana. Congrats!! (O'Connor-NH). 3EWT5: 16852 f/d pfc in 35 ds for ms. (O'Connor-NH).
- AIRCRAFT MAC 70011: 18019 f/d pfc in 29 ds for ms. (O'Connor-NH).

CLANDESTINES & PIRATES

- RFAT: 7400 f/d "The Fat One" cd in 60 ds for ms. V/S The Fat Dork. (M-A-Karcheski). EXP: 7415 f/d Paper cd in 22 ds for ms. V/S Dr. Blue (Johnson-IL). 4th of July Radio: 7410 f/d Liberty Bell cd in 23 ds for ms. V/S Jeff Johnson. (Johnson-IL). 7415 USB f/d cd in 23 ds for ms. Pwr: 100 wts. (Johnson-IL)...also got a 2 page "news-letter" describing station...Radio U.S.A.: 7415 f/d ltr in 63 ds for ms. (Karcheski-MA). Revolutionary Voice of Plainville: 7415 n/d Pedestrian Symbol ltr in 82 ds for ms. V/S Henrick Jorgensen (Karcheski-MA). Samurai Radio: 7415 f/d Logo cd in 63 ds for ms V/S Eddie Currents. (Karcheski-MA). Voice of Monotony: 7415 f/d "Razing the Walls" ltr in 63 ds for ms. V/S Uncle Salty. (M-A-Karcheski).

Catching the **CONCORDE** by Dick Moon

British Airways and Air France operate daily return flights across the Atlantic Ocean, from London Airport and Charles de Gaulle Airport to New York, and it is interesting to monitor these flights as they wing across the Atlantic at a speed of Mach 2.0.

The Concorde always identify with a number, e. g., Speedbird Concorde 02, or Air France Concorde 04, and can be frequently heard calling New York or Gander on 13306 and 8825 kHz.

The following are the timetables:

British Airways

Dep. London	Arr. New York
1030 UTC	1420 UTC
1900 "	2255 "
Dep. New York	Arr. London
1430 UTC	1820 UTC
1845 "	2225 "

Air France

Dep. Paris	Arr. New York
1100 UTC	1345 UTC
Dep. New York	Arr. Paris
1800 UTC	2245 UTC

The most likely time for success is during the evening flights, i. e., between 1915 and 2200. To determine the direction of the flight, listen for the ID number. Flights to North America are always odd numbers, whilst flights in the opposite direction are even numbers.

As an additional aid to the identification of the seven British Airways Concorde, listen for the following registration numbers and SELCAL letters:

SELCAL	Registration
BCDM	GBOAA
BDFH	GBOAC
BDAK	GBOAD
BCDF	GBOAE
AGEJ	GBOAF
BFHJ	GBOAG
BDEG	GBOBB

It is interesting to note that, at a cruising speed of Mach 2.0, the 5,000-kilometer journey takes a little under 3½ hours, which means that, with a time difference of five hours between London and New York, passengers arrive before they left!!

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SPEEDX UTILITY STATION LIST

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

Part 1: 4000.0 to 7999.9 kHz

KHz	MODE	COUNTRY	CALL	LOCATION	UTC	REMARKS	CONTRIBUTOR
1906.0	CW	France	FFM	Marseilles Radio	2109	Tfc list	Conway-UK
2104.0	USB	New Zealand	ZLC	Chatham Is. Radio	0804	Wx broadcast	Stringer-NZ
2182.0	USB	---	---	USCG COMMSTAS	---	International Distress/Calling Channel. Stations reported include: NMA21 St. Petersburg, FL, NMF2 Woods Hole, MA	---
2182.0	USB	Morocco	CNP	Casablanca Radio	2109	EE/FF call & listen 2586	Conway-UK
2201.0	USB	Australia	VIS	Sidney Radio, NSW	0750	Wx broadcast	Stringer-NZ
2207.0	USB	New Zealand	ZLD	Auckland Radio	0810	Wx broadcast	Stringer-NZ
2598.0	USE	Canada	VOJ	Stephenville CG R., Nfld.	0218	Sea state forecast	Gerstner-NY
2598.0	USB	Canada	VCS	Halifax, NS	0221	Canadian Forces	Lukas-NY
2655.0	RTTY	Chile	CCM	Magallanes Radio	0117	850/50	Moon-RSA
2670.0	USB	USA	NOY3	Port Aransas, TX	0618	USCG. Short announcement	Svmmington-OH
2716.0	USE	---	---	WORLDWIDE USN FREQ	---	Fixed and mobile station tlc	---
2716.0	USB	USA	---	'Fisher', Cape Radio, FL	0945	NASA comms on US Navv freq	Gordon-CT
2754.5	CW	Canada	CKN	Yancover, BC	1339	Canadian Forces. DE Marker	Blair-CA
2800.0	CW	Israel	4XZ	Haifa Naval	0120	Israeli Navv. Marker	Moon-RSA
2824.0	USB	Netherlands	PCG	Scheveningen Radio	0254	Maritime wx broadcast	Karcheski-MA
2841.0	USB	USSR	---	Rostov VOLMET	0129	---	Moon-RSA
2850.0	CW	S. Africa	ZSC	Capetown Radio	0330	DE Marker	George-MA
2863.0	USB	Hawaii	---	Honolulu VOLMET	1055	---	Stringer-NZ
2965.0	USE	Australia	---	Sydney VOLMET	1030	---	Stringer-NZ
3016.0	USB	---	---	ICAO NA1-A AREA	---	Stations reported include: Gander, Nfld., Canada, Shanwick, UK,	George-MA
3229.0	RTTY	USA	AFS	Omaha, NE	0147	850/75N: USAF AWS w/ weather	Karcheski-MA
3229.5	RTTY	USA	KAWN	Carswell AFB, TX	1112	800/75N: USAF. Meteo	Blair-CA
3287.0	CW	Canada	CKN	Yancover, BC	1234	Canadian Forces. DE Marker	Blair-CA
3319.0	CW	Scotland	M6J	Glasgow Naval	0250	RN. Y Marker	George-MA
3336.0	USB	New Zealand	---	Unknown	0905	Lands and Survey w/tlc in English	Stringer-NZ
3345.0	USB	New Zealand	BY [?]	North Island	0733	Mountain Radio w/tlc in English	Stringer-NZ
3357.0	FAX	USA	NAM	Norfolk, VA	0530	120/576	Yarborough-NC
3641.0	CW	Taiwan	BME	Taipei	1237	DE Marker	Blair-CA
3782.0	CW	Portugal	CTP	Oeiras Naval	0444	Portuguese Navv. DE Marker. Better than 6389.0	Alexander-IA
3860.0	LSB	USA	WA3NAN	Greenbelt, MD	---	Goddard Space Flight Center. Shuttle audio re-broadcasts	Alexander-PA
4003.2	LSB	USA	AAV51F	Unknown	0007	Stations reported include: AAV51F, AAR5U	---
4004.9	CW	Unknown	I	Unknown	1242	Beacon	Stringer-NL
4007.0	USB	---	---	USN MARS FREQUENCY	---	Stations reported include: NNN063R & NNN0LKL	Lindiev-AL
4010.0	USE	Australia	VNC	Port Augusta, SA	0920	Phone patches. ID w/ YL announcer	Stringer-NZ
4019.8	LSB	USA	WAF	Ft. Ritchie, MD	2256	US Army MARS	Lukas-NY
4022.0	CW	USA	WHY912	MI Weather, VA	0805	FEMA VIP Relocation Site	Svmmington-OH
4025.0	LSB	---	---	US ARMY MARS FREQ	---	Stations reported include: AAR7FU, AAAB00 & AIR Andrews AFB, MD	---
4038.5	USB	---	---	USN MARS FREQUENCY	---	Stations reported include: NNN021H	Lindiev-AL
4056.0	RTTY	Cameroon	TJI	Douala	0210	425/50 AFTN/ASECNA Test tape	Moon-RSA
4066.1	USB	---	---	WORLDWIDE USN FREQ	---	Fixed and mobile station tlc	---
4221.4	CW	Gibraltar	GYU	Gibraltar Naval	0844	RN. DE Marker	Conway-UK
4223.5	CW	Malta	9HU	Malta Radio	2171	Y Marker	Conway-UK
4225.0	CW	Mexico	YFI	Manzanillo Rad	0522	CQ Marker	Horton-IL
4231.0	CW	Qatar	A77	Doha Radio	1657	DE Marker	Conway-UK
4231.5	CW	USA	UV	Unknown	2140	CQ Marker. Also 8455.11279 FREQ	Conway-UK
4232.0	CW	Martinique	FUF	Fort de France Navv	0105	French Navv. Y Marker	Perdue-AL
4232.5	CW	Hong Kong	YPS6	Hong Kong Radio	2149	"DE VPS" Marker	Conway-UK
4232.7	CW	Portugal	CTV4	Lisbon Naval	0847	Portuguese Navv. wx mso	Conway-UK
4234.0	CW	Malaysia	9ME	Pinang Navv	---	Malaysian Navv	Moon-RSA

4235.5	CW	Spain	EDF	Aranjuez Radio	2159	V Marker	Hunt-FL
4236.0	CW	USSR	UDH	Riga Radio	1655	CQ Marker	Conway-UI
4238.0	CW	India	VTP4	Yishaknapatnam Naval	1657	Indian Navv. V Marker	Conway-UI
4238.0	CW	Israel	4X0	Haifa Radio	2204	CQ Marker	Hunt-FL
4239.0	CW	Malaysia	9MB6	PInang Naval	1745	Malaysian Navv. V Marker	Hardester-JF
4240.0	CW	Malaysia	9MG	Ruang Naval	1657	Malaysian Navv. V Marker	Conway-UI
4242.5	CW	E. Germany	YSM	Ruegen Radio	2211	V Marker	Hunt-FL
4242.5	CW	S. Africa	ZSD43	Durban Radio	2230	CQ Marker	Conway-UI
4244.0	CW	S. Africa	ZRH	Fisantekraal Naval	..	RSA Navv. V Marker	Moon-RSA
4244.0	CW	USSR	URL	Sevastopol Radio	1726	CQ Marker	Conway-UI
4245.0	CW	Australia	VIS53	Sydney Radio, NSW	1649	V Marker	Conway-UI
4247.0	CW	USA	KPH	San Francisco R., CA	1509	Tfc list	Blair-CA
4248.0	CW	S. Africa	ZRQ	Simonstown Naval	0222	RSA Navv. Marker	Moon-RSA
4250.0	CW	Mexico	XFL	Mazatlan Radio	1045	CQ Marker	George-MA
4251.0	CW	Brazil	PPJ	Juncao Radio	2336	V Marker	Conway-UK
4253.0	CW	Turkey	TAH	Istanbul Radio	2018	DE Marker	Conway-UI
4253.5	CW	Saudi Arabia	HZG	Dammam Radio	2036	"DE HZG" Marker	Conway-UI
4256.0	CW	USA	KLC	Galveston Radio, TX	0331	CQ Marker & ship t/c	Lindley-Al
4260.0	CW	Turkey	TBA2	Ankara Naval	1755	Turkish Navv. V Marker	Hardester-JF
4267.0	CW	France	FUE	Brest Naval	0610	V Marker	Berry-CA
4268.0	CW	Canada	CKN	Vancouver, BC	1258	Canadian Forces, DE Marker	FAX freq. Blair-CA
4270.6	RTTY	Canada	CFH	Halifax, NS	0630	850/75R. Meteo	Verling-OF
4271.0	RTTY	Canada	CFH	Halifax, NS	0542	850/75R. Canadian Forces. Meteo	Blair-CA
4272.5	CW	Australia	VID	Darwin Radio, NT	1056	DE Marker	Blair-CA
4275.0	CW	Panama	HPP	Panama Intelmar F	0739	CQ Marker	Bevens-MA
4275.0	CW	Turkey	TBA5	Ankara Naval	1644	Turkish Naval. V Marker	Conway-UI
4275.0	CW	Unknown	2RC8	Unknown	1238	Clg 8L9S	Hardester-JP
4276.0	CW	Japan	JNA	Tokyo Radio	1130	V Marker	Blair-CA
4277.0	CW	Colombia	HK6	Barranquilla Radio	2229	CQ Marker	Hunt-FL
4277.0	CW	New Zealand	ZLB2	Awarua Radio	..	..	Conway-UI
4277.0	CW	W. Germany	DHJ59	Willemshavn	2141	V Marker	Conway-UI
4280.0	CW	Algeria	7TA2	Algiers Radio	2051	CQ Marker	Conway-UI
4280.0	CW	China	XSY	Tianjin Radio	1240	CQ Marker	Hardester-JP
4283.0	CW	China	XSY	Tianjin Radio	2035	CQ Marker	Conway-UI
4283.0	CW	S. Africa	ZSJC	Capetown Naval	2057	RSA Navv. CQ Marker	Conway-UI
4283.0	CW	USSR	UQk	Riga Radio	2058	DE Marker	Conway-UI
4285.0	CW	Canada	YCS	Halifax, NS	0335	Canadian Forces. CQ Marker	Lindley-Al
4285.0	CW	USSR	UAH	Tallin Radio	1915	Tfc. Clg UJLA	Conway-UI
4286.0	CW	Australia	VIX2	Canberra Naval, ACT	1639	RAN. V Marker	Conway-UI
4289.0	CW	Algeria	7TA2	Algiers Radio	1954	CQ Marker	Conway-UI
4291.0	CW	S. Africa	ZSC46	Capetown Radio	1850	CQ Marker	Conway-UI
4292.0	CW	Italy	IAR	Rome Radio	0001	CQ Marker	Hunt-FL
4294.0	CW	Greece	SXA34	Piraeus Naval	1636	Greek Navv. V Marker	Conway-UI
4295.5	CW	France	HWN	Paris-Houilles Naval	0241	French Navv. Marker	Moon-RSA
4297.5	CW	N. Korea	HML	Nampo Radio	1008	DE Marker	Blair-CA
4298.0	CW	Brazil	PPC	Olinda Radio	2239	V Marker	Conway-UI
4298.0	CW	Japan	JMC2	Tokyo	1446	DE Marker	Blair-CA
4299.0	CW	Kuwait	9KY2	Kuwait Radio	2210	CQ Marker	Conway-UI
4300.3	RTTY	England	6YA	London Naval	1908	850/75. RH Testing	Delaunoy-FF
4302.0	CW	Bahrain	A9M	Bahrain Radio	2026	DE Marker	Conway-UI
4305.5	CW	Japan	JNA	Tokyo Radio	1937	CQ Marker	Conway-UI
4307.0	CW	USSR	UON	Baku Radio	2059	Tfc	Conway-UI
4308.0	CW	S. Korea	HL6	Seoul Radio	2156	V Marker	Conway-UI
4308.0	CW	Scotland	M6J	Glasgow Naval	1800	RN. V Marker	Conway-UI
4313.0	CW	Singapore	9VG33	Singapore Radio	2044	CQ Marker	Conway-UI
4314.0	CW	Bulgaria	LWZ2	Varna Radio	2105	CQ & Tfc list	Conway-UI
4317.0	CW	S. Africa	ZSC33	Capetown Radio	1949	Clg CQ	Conway-UI
4319.0	CW	China	XSC	Shanghai Radio	1230	CQ Marker	Hardester-JF
4322.0	CW	Singapore	9VG54	Singapore Radio	1255	Wkg ELA07	Blair-CA
4328.0	CW	France	FFL2	St. Lys Radio	0018	V Marker	Hunt-FL
4328.0	CW	Japan	JOC	Nagasaki Radio	1130	DE Marker	Blair-CA
4330.0	CW	USSR	UXN	Arkhangel'ski Radio	2055	Manual t/c & DE Marker	Conway-UI
4331.0	CW	Israel	4X2	Haifa Naval	1922	Israeli Navv. V Marker	Conway-UI
4334.0	CW	Reunion	FLH	St. Denis Naval	2112	French Navv.	Conway-UI
4337.0	CW	Poland	SPH	Gdansk Radio	2307	DE Marker	Blair-CA
4340.0	CW	China	XSL	Guangzhou Radio	1959	CQ Marker	Conway-UI
4349.0	CW	USSR	UXL	Arkhangelsk. Radi.	2029	DE Marker	Conway-UI
4349.0	CW	Japan	JOC	Choshi Radio	1207	DE Marker	Blair-CA
4350.0	CW	Bahrain	A9M	Bahrain Radio	2159	DE Marker	Hardester-JF

4350.9	RTTY	USSR	UBE1	Petrovavlovsk. Radio	0830	170/50R. RYRYPY & Tlc	Berlin-CG
4369.8	USF	Singapore	9Y660	Singapore	1347	Wx broadcast	Blair-CA
4376.0	USF	USA	NMF	Boston, MA	0219	USCG. SAR mission for raft w/EPR bobbing off	Morby-NZ
4410.1	USF	Unknown	...	Unknown	0300	Wx broadcast in unid lang. Norwa	Lannuier-NZ
4423.7	USF	Use	NM11	Portsmouth, Va	0419	USCG Maritime wx for East Coast	Lindley-AL
4428.7	USF	Use	NM1F	Boston, MA	0450	USCG	Moon-RSA
4428.7	USF	Australia	V11F	Melbourne Radio, Vic	1734	Wx and tlc	Stringer-NZ
4428.7	USF	Australia	V1A	Adelaide Radio, SA	0907	Wx and tlc	Stringer-NZ
4428.7	USF	Alaska	NOJ	Kodiak	1006	USCG	Stringer-NZ
4428.7	USF	Australia	V1H	Hobart Radio, Tas	1029	Wx broadcast	Stringer-NZ
4482.0	RTTY	China	BJJ25	Hangzhou	1231	400/50N. Coded meteo	Blair-CA
4506.0	USF	Mozambique	...	Maputo	...	Telcom	Moon-RSA
4517.0	USF	...	...	USAF MARS FREQ.	...	Stations reported include: AFF3M0	Lindley-AL
4562.5	CW	Norway	JWT	Stavanger Naval	2310	Norwegian Navy, V Marker	George-MA
4577.0	USF	...	...	USAF MARS FREQ	...	Tennessee region net. Stations reported include: AFA2T.	Lindley-AL
4593.5	USF	...	...	USAF MARS FREQ	...	Stations reported include: AFF10	Lindley-AL
4607.3	RTTY	Spain	78YLQ	Tarifa Naval	0740	850/75. Spanish Navy w/Ry & DE	Lannuier-NZ
4610.0	FAX	England	GFA22	Bracknell	0341	120/576	Yarborough-NC
4654.0	USF	Spain	...	Madrid	0413	LDOC. Wkg IBERIA 9261 (This is LDOC inq for Berne, Switzerland... ed.)	George-MA
4675.0	USF	...	...	ICAO NAT-D AREA	...	Stations reported include: Gander, Nfld., Canada, Reykjavik, Iceland	Yarborough-NC
4704.0	FAX	Spain	AOK	Rota	0350	120/576. USN	Yarborough-NC
4722.0	USF	England	MVU	RAF VOLMET, W Drayton	0213	Wx & ID at 0215	Karcheski-MA
4742.0	USF	England	MLF	Upavon	0204	ARCHITECT (RAF Strike Command) Wkg warship in Dover Straits en route to Norway	Karcheski-MA
4746.0	USF	Azores	CUW	Lajes Field	0316	USAF Wkg RAIDER 47 re Lajes wx	George-MA
4746.0	USF	USA	AFE8	MacDill AFB, FL	0757	USAF 'SKYKING' broadcast	Stringer-NZ
4752.0	USF	Canada	...	several	0421	RCAF. Several fixed and mobile stations heard including Gander & St. Johns. Aero wx and position reports from a/c	Lannuier-NZ
4765.0	CW	Tunisia	3VU	Tunis?	2203	"CO DE 3VU" Marker, then SFG tlc	Yarborough-NC
4777.5	FAX	Italy	IMB37	Rome	0300	120/576	Yarborough-NC
4797.5	CW	France	FDY	Orleans Air	0435	FAF/V Marker	Lannuier-NZ
5000.0	AM	S. Korea	HLA	Taedok	1750	Time signals	Hardester-JP
5000.0	AM	Venezuela	YVTO	Caracas	2318	Time Signals in Spanish	Thornton-NZ
5015.0	AM	Unknown	...	Unknown	0012	Numbers by YL in German	Karcheski-MA
5045.0	AM	Unknown	...	Unknown	2312	Numbers in EE	Karcheski-MA
5050.0	CW	USSR	UYA	Unknown	0100	Info, anyone?	Janusz-NZ
5064.0	CW	Malaysia	9M1B	Pinnang Naval	1650	Malaysian Navy, V marker	Hardester-JP
5097.0	RTTY	Japan	JAB35	Tokyo	1350	425/50R. Jiji Nx in EE	Kurogi-JP
5107.0	RTTY	Iran	EPD	Tehran	2300	425/50. AFTN 'TKA' circuit	Conway-UI
5200.0	USF	Zambia	...	{ Lusaka? }	...	Police HQ	Moon-RSA
5211.0	USF	USA	...	FEMA FREQUENCY	...	Stations reported include: WGY909 Sar Francisco, WGY912 Mt Weather, VA. After SF earthquake	Schulzinger-OH
5240.0	PTTY	Yugoslavia	40C2	Belgrade	0310	400/50P. TANJUG Nx in EE	Adner-NE
5258.0	CW	Cuba	CM1U9	Santiago Naval	0610	Soviet Navy. Wkg UMH6 simplex	Berlin-CG
5275.0	RTTY	Egypt	SUA211	Cairo	2018	400/50. MENA news in FF	Detainay-FI
5276.0	USF	S. Africa	...	Pretoria	...	Telcom	Moon-RSA
5280.0	USF	W. Germany	DFF28	Cologne	...	Deutsche Welle feeder	Moon-RSA
5320.0	CW	...	...	USCG COMMSTAS	...	Stations reported include: NM1F Boston, MA, NMG New Orleans, LA; NOY8 Corpus Christi, TX	Moon-RSA
5320.0	RTTY	Libya	5AF	Tripoli Air	...	425/50N. AFTN. Test tape	Moon-RSA
5460.0	RTTY	Morocco	CNA7	Tangier	2215	425/75R. VOA Nx QRA Marker	Conway-UI
5499.0	USF	Condo	...	Oranzaville VOLMET	2225	Wx for central African cities in French and English	George-MA
5505.0	USF	Ireland	...	Shannon VOLMET	2027	...	Moon-RSA
5535.0	USF	England	...	London	0358	LDOC. British Airways HQ wkg SPEED-BIRD 262	George-MA
5574	USE	...	...	ICAO CEP - S AREA	...	Stations reported include: San Francisco, CA, Honolulu, HI	Stringer-NZ
5593	USE	...	...	ICAO NAT - A AREA	...	Stations reported include: Santa Maria, Azores; Gander, Nfld., Canada	George-MA
5616.0	USE	...	...	ICAO NAT - B AREA	...	Stations reported include: Gander, Nfld., Canada, Wolfson-OH	Wolfson-OH

5643.0	USB	....	....	ICAO SP-6/7 AREAS	....	Stations reported include: Sydney, NSW	
5649.0	USB	....	....	ICAO NAT-C AREA	0402	Australia; Nandi, Fiji Is.; Honolulu, Hawaii	
5658.0	USB	....	....	ICAO MID-2 AREA	....	Stations reported include: Gander, Nfld., Canada; Lukasa-Nr	
5670.0	USB	England	....	Portsmouth	2005	Stations reported include: Bombay, India; Karachi, Pak.istan; Gianni-11	
5690.0	USB	W. Germany	DHM195	Lahr Military	0616	Wkg aircraft; Moon-RSA; Canadian Forces. Wx for W. German base	
5692.0	USB	....	....	USCG COMMSTAS	....	Symington-OH	
5696.0	USB	....	....	USCG COMMSTAS	....	Air to Ground. Stations reported include: NOT	
						Traverse City, MI	
						Air to Ground. Stations reported include: NMC	
						San Francisco, CA; NMF Boston, MA; NMG New	
						Orleans, LA; NMN Portsmouth, VA; NOJ Kodiak,	
						AK; NOR San Diego, CA; NOS Cape Cod, MA; NMA	
						Miami, FL; NOY8 Corpus Christi, TX	
5770.0	RTTY	Bulgaria	LZ09	Sofia	....	425/50. Testing	Moon-RSA
5778.0	USB	Botswana	....	Unknown	....	Telcom	Moon-RSA
5783.0	FAX	USA	NMN	San Francisco, CA	0245	120/576. USN. Wx charts	Symington-OH
5783.5	RTTY	Botswana	A2P	Gaborone	....	425/50	Moon-RSA
5787.0	RTTY	Botswana	A2G	Gaborone	....		Moon-RSA
5818.5	RTTY	Malta	9HA	Luqa	1924	425/50. AFTN 'MLA' circuit	Conway-UK
5824.0	RTTY	Libya	5AF	Tripoli Air	....	850/50	Moon-RSA
5830.0	RTTY	E. Germany	Y7K22	Berlin	2124	425/50. MFA. QRA Marker	Conway-UK
5867.0	RTTY	Iraq	YIL68	Baghdad	1400	425/50N: INA Nx in AA	Uerlings-OR
5879.0	RTTY	South Yemen	70C	Aden	2030	425/50: AFTN. RYRYRY/DE Marker	Conway-UK
5917.5	CW	Spain	AOK	Rota Naval	0104	USN. Coded msg	Hunt-FL
5919.8	CW	Unknown	K	Unknown	1250	Beacon	Stringer-NZ
6208.5	CW	Unknown	R5SA	Unknown	0840	Cig PY2S	Hardester-JP
6221.6	USB	USA	KXS319	Greenville, MS	1200	Wkg M/V JIM BAKER	Pardue-AL
6221.6	USB	Australia	VIT	Tasmania Radio	0846	Wx broadcast	Stringer-NZ
6221.6	USB	Australia	VID	Darwin Radio, NT	1041	Wx broadcast & t/c	Stringer-NZ
6228.0	CW	Belgium	OST32	Ostend Radio	0220	V Marker	Hawkins-TX
6235.0	AM	Unknown	....	Unknown	0415	Numbers in EE by YL	Karcheski-MA
6288.4	RTTY	Canary Is	71HG6	Las Palmas Naval	0250	850/75R: T/c until 0252, then RY	Lannuier-NJ
6302.0	CW	S. Korea	HLF	Seoul Radio	1139	CQ Marker	Hardester-JP
6326.5	CW	USA	WNU32	Slide II Radio, LA	0111	CQ Marker	Lindley-AL
6330.0	FAX	Canada	CFH	Halifax, NS	0500	120/576: Wx maps	Yarborough-NC
6331.3	CW	Azores	CTH47	Horta Naval	2130	Portuguese Navy. CQ Marker & Wx	Conway-UK
6331.5	CW	USSR	UMV	Murmansk Radio	2131	Very fast V Marker & t/c	Conway-UK
6334.5	CW	USSR	UFM3	Nevelsk Radio	2110	CQ & Wx	Conway-UK
6337.0	CW	Chile	CBV	Valparaiso Radio	2239	CQ Marker	Conway-UI
6339.8	CW	New Zealand	ZLO	Iirangi Naval	1731	"DE ZLO" Marker	Conway-UI
6340.4	CW	France	FUE	Brest Naval	2145	French Navy. Hrd various timer	Conway-UI
6340.5	CW	Singapore	9VG9	Singapore Radio	2105	CQ Marker	Conway-UI
6344.0	CW	Iceland	TFA	Reykjavik Radio	0800	CQ Marker	Conway-UI
6344.0	CW	S. Korea	HLF	Seoul Radio	0329	CQ Marker	Hardester-JP
6345.0	CW	Spain	EBB	Unknown	1026	V Marker. Naval?	Conway-UI
6348.0	CW	France	HWN	Paris-Houilles Naval	0346	French Navy. V Marker	Hogan-IL
6352.0	CW	France	FUG	La Regine Naval	2114	French Navy. V Marker	Conway-UI
6354.0	CW	USSR	URD	Leningrad Radio	2128	Wkg U. ships	Conway-UI
6364.5	CW	Saudi Arabia	HZ6	Dammam Radio	1925	DE Marker	Conway-UI
6369.0	CW	Angola	D3E41	Luanda Radio	0424	CQ Marker	Bevens-MA
6371.2	CW	Gibraltar	GYU	Gibraltar Naval	0031	RN. DE Marker	Bevens-MA
6374.0	CW	Turkey	TB05	Izmir Naval	2105	V Marker	Conway-UI
6375.0	CW	USSP	URB2	Klaipeda Radio	2000	Manual CO	Conway-UI
6376.0	CW	USA	WCC	Chatham Radio, MA	0300	Q5X Marker, tic list	Coleman-MA
6379.0	CW	Israel	4X2	Haifa Naval	0433	Israeli Navy. V Marker	Bevens-MA
6383.0	CW	Senegal	6VA	Dakar Radio	2023	Slow CQ Marker	Conway-UI
6383.0	CW	USSP	URL	Sevastopol Radio	1922	CQ Marker	Conway-UI
6384.5	CW	Canada	CKN	Vancouver Radio, BC	0844	Canadian Forces. Cig 'NAWS'	Conway-UI
6385.0	CW	Brazil	PPR	Rio Radio	2241	V Marker	Conway-UI
6386.3	CW	Colombia	HKC	Buenaventura Radio	0846	CQ Marker. Off frequency slight	Conway-UI
6386.7	CW	S. Africa	ZSJT	CapeTown Radio	2115	CQ Marker	Conway-UI
6389.0	CW	Portugal	CTE	Oeiras Naval	0337	Portuguese Navy. CQ Marker	Hogan-IL
6390.0	CW	Italy	ID07	Rome Naval	0130	Italian Navy. Coded msg	Hunt-FL
6391.5	CW	Belgium	OSN	Ostend Naval	1031	Belgian Navy. V Marker	Conway-UI
6393.3	CW	Australia	VHI	Darwin Naval, NT	1821	RAN. V Marker. Also hrd on 12750	Conway-UI
						17084/22348.5	Conway-UI

6394.0	CW	Australia	YHI	Darwin Radio, NT	2010	RA Navy. Marker	Moon-RSA
6400.0	CW	USSR	UMV	Murmansk Radio	2117	Fast tfc to ships	Conway-UK
6404.0	CW	Netherlands	PCH3Ø	Sceeveningen Radio	0145	CW Marker	McKinney-PA
6409.5	CW	Italy	IAR9	Rome Radio	0205	V Marker	Hawkins-TX
6411.0	RTTY	USSR	UKA	Vladivostok Radio	1455	Wkg MANSK	Berri-CA
6415.0	CW	Algeria	7TF	Boufarik Radio	2254	CQ Marker	Conway-UK
6418.0	CW	India	VTP5	Vishakhapatnam Naval	2052	V Marker	Conway-UK
6422.0	CW	France	FFL	St. Lys Radio	0200	QX and freq. list	McKinney-PA
6428.5	CW	Australia	VIS	Sydney Radio, NSW	2054	V Marker, "Standby for longrange broadcast"	Conway-UK
6430.0	CW	Canada	CFH	Halifax, NS	2332	Canadian Forces. V Marker	Bevens-MA
6442.5	CW	Mexico	XFS3	Tampico Radio	0615	Tfc list	Berri-CA
6451.0	CW	S. Korea	HLG	Seoul Radio	2211	Very long QTC list & manual tfc	Conway-UK
6456.0	CW	Canada	CKN	Vancouver Radio	0530	Canadian Forces. Marker	Moon-RSA
6462.0	CW	Society Is.	FUM	Papeete Naval	1242	French Navy. V Marker & ID	Perdue-AL
6463.0	CW	Colombia	HKB	Barranquilla Radio	0644	CQ Marker. Not 6463.5	Conway-UK
6464.0	CW	Australia	VIS3	Sydney Radio, NSW	2054	V Marker & QTC list	Conway-UK
6466.0	CW	E. Germany	Y5M	Ruegen	0313	CQ Marker	Hogan-IL
6467.0	CW	India	VTG	Bombay Naval	2127	Indian Navy. V Marker	Conway-UK
6468.0	CW	Greece	SXA24	Piræus Naval	2102	Greek Navy. V Marker	Conway-UK
6470.0	CW	Greece	SXA24	Piræus Naval	2308	Greek Navy. V Marker	George-MA
6470.5	CW	Israel	4X0	Haifa Radio	1549	CQ Marker	Lukas-NY
6470.5	CW	Jamaica	6YI	Kingston Radio	0230	Odd 'chirpy' signal. CQ Marker	Hawkins-TX
6473.5	CW	Romania	YQI	Constanta Radio	2329	CQ call & manual tfc	Conway-UK
6477.5	CW	USSR	UBN	Zhdanov Radio	1800	QTC list	Conway-UK
6491.5	CW	Canada	YCS	Halifax, NS	2112	Canadian Forces. V Marker	Conway-UK
6493.5	CW	USSR	URB2	Klatpeda Radio	1947	Fast tfc	Conway-UK
6495.5	CW	USSR	UFL	Vladivostok Radio	1200	DE Marker	Harvester-JP
6504.0	CW	Singapore	9VG77	Singapore Radio	1525	ID Marker	Berri-CA
6505.0	CW	Italy	IDR3	Rome Radio	1527	V Marker	Berri-CA
6506.4	USB	....	....	USCG COMMSTAS	....	Stations reported include: NMN Portsmouth, VA; N1M Miami, FL; NM0 Honolulu, HI	Perdue-AL
6518.8	USB	Canada	YCS	Halifax Radio, NS	0810	Canadian Forces. Marine Wx	Rocker-MS
6521.9	USB	USA	WCZ	Natchez Radio, MS	2020	Wkg SEMINOLE BRAVE	Perdue-AL
6521.9	USB	USA	KFX265	Unknown	1445	Limited coastal station. Wkg MERCURY and STEEL PATRIOT	Moon-RSA
6529.7	RTTY	Libya	5AF	Tripoli Air	....	850/50. AFTN. Tset tape	George-MA
6535.0	USB	....	....	ICAO SAT-1 AREA	....	Stations reported include: Dakar, Senegal	Berri-CA
6604.0	USB	Canada	....	Gander VOLMET, Nfld.	0632	Aviation wx	Bronowicz-MO
6640.0	USB	USA	....	New York, NY	0443	ARINC. Wkg ASCOT 3831	Morby-NY
6676.0	USB	Australia	YLS	Sydney VOLMET, NSW	1230	Wx info	Harvester-JP
6676.0	USB	Thailand	....	Bangkok VOLMET	1211	Aviation wx	Morby-NY
6679.0	USB	New Zealand	....	Auckland VOLMET	1220	Wx and ID	Moon-RSA
6685.0	CW	USSR	RFNV	Moscow	1845	....	Moon-RSA
6735.0	CW	Unknown	X	Unknown	2119	Continuous 'X' in CW	Moon-RSA
6738.0	USB	England	MLP	Upavon	0900	ARCHITECT (RAF Strike Command). Coded wx report	Kerrigan-IL
6738.0	USB	Guam	AIE2	Andersen AFB	0823	USAF. 'SKYKING' broadcast	Stringer-NZ
6738.0	USB	USA	AF12	McClellan AFB, CA	0814	USAF. 'SKYKING' broadcast	Stringer-NZ
6746.0	USB	Canada	....	Halifax Military, NS	0925	RCAF. Gave Wx but talked fast	Alexander-IA
6753.0	USB	Canada	CHR	Trenton Military, Ont	0334	RCAF. Wx H+ 30	Thompson-CA
6760.0	USB	England	....	Plymouth Rescue	0105	Wkg RESCUE 54 & 56 w/SAR air mission tfc. [RAF 'Architect' freq.]	Battles-NH
6761.0	USB	USA	....	USAF SAC FREQUENCY	0422	USAF. SKYBIRD wkg A5	Jones-TN
6805.0	RTTY	Poland	5ØG28Ø	Warsaw	0110	425/50R: PAP Nx in EE.	Agner-MD
6810.0	RTTY	Unknown	....	Unknown	....	SITOR-A: Tfc in PP	Moon-RSA
6815.0	RTTY	China	BAL34	Beijing	1437	425/50R: RYRYRY & ID	Blair-CA
6825.0	RTTY	Czechoslovakia	ØM1V92	Prague	1317	425/50: RYRYRY & SLG tfc	Conway-UK
6830.0	RTTY	USSR	RDW72	Khabarovsk	1325	1000/50R: Coded meteo	Blair-CA
6837.0	RTTY	Nigeria	....	Lagos	0356	SITOR-A: Shell Oil Co.	Moon-RSA
6844.5	RTTY	France	FDY	Orleans Air	2051	450/45: FAF. CW ID heard	Lukas-NY
6848.0	RTTY	Hawaii	....	Hickham AFB	1153	800/75R: Coded meteo. "PHWR" ID	Blair-CA
6858.0	RTTY	Kuwait	9KT25	Safat	152f	350/50R: KUNA Nx in EE	Blair-CA
6864.0	CW	Unknown	U	Unknown	....	Beacon	Moon-RSA
6873.0	ISB	USA	....	Greenville, NC	0330	VDA Feeder. Readable in AM mode. EE ID, into news in Romanian	Thompson-CA
6890.0	USE	Australia	VNZ	Port Augusta, SA	0840	Phone patch tfc. ID as Royal Flying Doctor's Service Control	Stringer-NZ

6902.0	FAX	USA	.....	Unknown	2330	USAF/Wx maps [KAWN?]	McKinney-PA
6903.0	USB	S. Africa	.....	Capetown	.....	Oil rig traffic	Moon-RSA
6904.0	FAX	USA	KGWC	Offut AFB, NE	1030	120/576: USAF. Wx charts	Symington-OH
6941.5	RTTY	Gabon	TRK	Libreville	1937	425/50: AFTN 'GFA' circuit	Conway-UK
6943.0	RTTY	Mauritania	5TX	Nouadhibou	2138	425/50: AFTN	Conway-UI
6950.0	USB	Australia	VJD	Alice Springs, NT	0809	Phone patch t/c w/Outpost Control	Stringer-NZ
6963.4	RTTY	USA	NM16	New Orleans, LA	0240	170/75R. USCG. Mix of clear & coded wx. & scrambled voice	Agner-MD
6975.0	RTTY	Senegal	6VU	Dakar	0115	AFTN. RYRURY, QJH1, etc.	Alexander-IA
6975.0	USB	W. Germany	DFF97	Frankfurt	0115	DW feeder. Nx in EE	Lannuier-NJ
6980.5	RTTY	USSR?	UBE2	Unknown	2145	425/50N: "RYRURY DE UBE-2	Kuroda-JP
7335.0	AM	Canada	CHU	Ottawa, ON	0355	Time Signals in EE and FR	Bronowicz-MO
7355.0	RTTY	Mali	TZH	Bamako	.....	425/50: ASECNA	Moon-RSA
7395.0	RTTY	Hong Kong	.....	Royal Observatory	.....	425/50	Moon-RSA
7402.5	RTTY	Japan	JM63	Tokyo	1355	850/50R: Meteo	Blair-CA
7474.0	RTTY	Cameroon	TJK	Douala	2340	425/50N: AFTN/ASECNA. RY/DE	Alexander-IA
7527.0	USB	USA	.....	US CUSTOMS/DEA FREQ.	.....	Stations reported include: 'Aimighty', Guantanamo Bay, Cuba; 'Slingshot', Miami, FL ...	
7533.5	USB	Puerto Rico	NNN@NPR	San Juan	.....	USN MARS. Phone patch t/c. Emergency Hugo communications. Wx & casualty rpts	Gordon-CT
7533.5	USB	USA	WGY912	Mt. Weather, VA	1930	FEMA. Cig NAV (USN MARS station, Washington DC) w/request for priority phone patch. Usually net for MARS t/c only.	Gordon-CT
7542.5	RTTY	France	.....	Paris	.....	425/50: AFP Nx in EE. [Note: CFL & Kling. shows AFP Hong Kong]	Moon-RSA
7552.0	RTTY	S. Africa	.....	Pretoria	.....	425/50: Meteo	Moon-RSA
7552.0	USB	USA	WNFT417	Morrisstown, NJ	1913	Net Control (monthly HF net)	Battles-NH
7560.0	RTTY	USSR	RPT30	Moscow	1530	350/50R: TASS Nx in EE	Blair-CA
7571.8	ISB	England	AJE	Barford	2333	AFRTS Feeder on LSB	Kline-CA
7585.0	RTTY	Senegal	6VY41	Dakar	0524	800/50N: Coded meteo	Blair-CA
7590.0	CW	Unknown	W	Unknown	1254	Beacon	Stringer-NZ
7592.4	CW	France	FDY	Orleans Air	0330	FAF. V Marker	Karcheski-MA
7600.0	AM	Ecuador	HD210A	Guayaquil	0436	Time Signals, announcements in SP	D'Angelo-PA
7603.0	RTTY	USA	KAA60	Grand Isle, NE	0322	425/50N: FCC. Wkg KIA84 & KIA85	Blair-CA
7611.0	RTTY	Egypt	.....	Cairo	.....	425/50: MENA Nx in EE	Moon-RSA
7614.0	RTTY	Niger	5UA	Niamey	2252	425/50: AFTN 'NKA' circuit t/c	Conway-UK
7625.4	RTTY	Saudi Arabia	HZN47	Jeddah	0106	850/100N: Meteo	Lannuier-NJ
7627.0	CW	Greece	KWS78	Athens	0328	US Embassy. CQ Marker	Hunt-FL
7635.0	USB	USA	.....	CIVIL AIR PATROL NET	0209	National check-in net	Karcheski-MA
7645.0	RTTY	USSR	RGE36	Moscow	1516	425/50R: TASS Nx in EE	Blair-CA
7651.0	ISB	USA	.....	Greenville, NC	0548	VOA Feeder	Moon-RSA
7652.0	CW	Liberia	KKN44	Monrovia	2246	US Embassy. CQ Marker	Karcheski-MA
7658.0	RTTY	Yugoslavia	YZD	Belgrade	0059	425/50R: TANJUG Nx in English. Report on Namibia independence	Karcheski-MA
7677.8	CW	Unknown	U	Unknown	.....	Beacon	Moon-RSA
7695.0	RTTY	Taiwan	3MA26	Taipei	1400	850/50R: CNA freq/RYRURY	Uerlings-OR
7700.0	CW	Unknown	XL7S	Unknown	1300	DE Marker	Hardester-JP
7760.3	RTTY	USSR	RGH77	Arkhangelsk	0053	850/50N: Meteo	Lannuier-NJ
7776.5	RTTY	Belgium	OST38	Ostend Radio	0415	SITOR-B: Sports results	Lannuier-NJ
7817.0	RTTY	Nigeria	5NK	Kano	2036	500/50: DE Marker	Conway-UR
7845.0	RTTY	Poland	SOH284	Warsaw	0045	425/50N: PAP Nx. RYRURY	Agner-MD
7860.0	AM	Unknown	.....	Unknown	0544	5FG in Spanish by YL	Lukas-NY
7863.0	RTTY	China	BJZ21	Hangzhou	1255	425/50R: Coded meteo	Blair-CA
7878.0	RTTY	USSR	RNN52	Moscow	.....	425/50	Moon-RSA
7892.5	CW	Poland	SPW	Warsaw Radio	0430	T/c list	Lannuier-NJ
7953.0	RTTY	Argentina	LRN85	Buenos Aires	0129	850/75: DvN news in Spanish	Karcheski-MA
7964.5	RTTY	Unknown	.....	Unknown	1850	ARQ/100: NATO-type msgs	Conway-UK
7972.0	RTTY	Vietnam	XVH70	Hanoi	1541	425/50R: Coded meteo	Blair-CA
7996.0	RTTY	Yugoslavia	YZD9	Belgrade	0145	170/50R: TANJUG Nx in EE	Lannuier-NJ

Miscellaneous Traffic...

Greetings to all and thanks for all your support. I've received many nice comments approving of the four-part list format, as well as a few not so nice ones. You can't please everyone. The honorable publisher and I have discussed adding a co-editor to handle mobile and tactical utility coverage. Volunteers are now being accepted, computer experience preferred.

73 fill next month,

SPEEDX ANNUAL FINANCIAL REPORT
FY 1990

THIS IS A SUMMARY OF THE SPEEDX ACCOUNT FROM 1 JULY 1989 THROUGH 30 JUNE 1990 INCLUSIVELY. A MORE DETAILED FINANCIAL REPORT IS PROVIDED TO EACH BOARD OF DIRECTOR MEMBER EACH MONTH.


Balance on hand 1 July 1989 \$2169.90

Receipts	Prepaid Subscriptions	\$3562.00
	Prepaid Renewals	5330.00
	Supplies	520.05
	Miscellaneous (incl donations and interest)	215.29
	Total Receipts	\$9627.34

Disbursements		
	Publish 12 Issues	\$6251.35
	Postage 12 Issues	3335.18
	HQS Postage	533.74
	HQS Supplies & Printing	148.69
	Miscellaneous	212.78
	Total Disbursements	\$10481.74

Balance on hand 30 June 1990 \$1315.50

I certify this summary of the SPEEDX account is true and accurate to the best of my knowledge.


Bob Thunberg - Treasurer

TO ALL MEMBERS: You don't hear from me much any longer as I'm stuck behind the scenes doing boring stuff like managing SPEEDX's finances. Really, it's quite interesting, but it sure has cut into my SWLing time the past 2+ years. Get to the point Bob! OK-during this past year, club expenditures outweighed receipts by \$850.00, which, as any accountant will tell you, is not good news. We've added a lot of new members (welcome!), but our renewal rate has not been as good as we anticipated. We hope this is due to people temporarily dropping out of the hobby (radio burnout seems to affect most SWLers at one time or another) and not because they have become unhappy with SPEEDX. Our Board of Directors, Editorial Committee & staff, along with our Awards Chairman, all have been working very hard to make SPEEDX one of the best SWL clubs for the radio hobbyist.

Unfortunately, beginning in January 1991, we will be forced to raise our membership rates; the current rates are just barely enough to cover publishing and mailing the bulletin and do not cover all the misc. expenses involved in running the club. Also, the Postal Board of Dictators-I mean Governors-has decided to significantly increase all mailing rates in 1991. Thus, an increase in membership rates is necessary. Of course, you can still renew your membership at the current rates through December 1990.

We remind you to not forget about our FRIENDS OF SPEEDX donation program. During the past six months, we received donations from Gary Gears, Harold Woering and from four anonymous members (Thanks!) and we would like to see more of our loyal membership contribute to this worthy fund. Any amount that you can spare would be greatly appreciated. All who donate at least \$10.00 to the FRIEND OF SPEEDX will receive a certificate of appreciation and those who contribute at least \$25.00 will also receive a SPEEDX pennant, along with having your name published in the club bulletin (unless specified otherwise).

We would also like to hear your comments, suggestions, or complaints about SPEEDX. Please address all such correspondence to SPEEDX HQS, PO Box 196, DuBois, PA 15801 USA, and I will pass them on to the BOD and the Editorial Committee. Looking forward to hearing from you soon. Thanks!

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