24528
Morse can be added to what already has been said about September 11, 2001, other than we haven't received IRCA.

From the Publisher ... There's not much that can be added to what already has been said about September 31, 2001, other than we haven't received any bad news concerning NRC members who may have been affected directly by the tragedy. Pray for the victims and for swift justice in the impending conflict.

I'd like to congratulate two new publishers of DX club magazines: Rich Toebe, also an NRC member, who recently took over IRCA's DX Monitor, and Mike Bugaj, who (thank goodness) volunteered to take over WFTFD's VHF-UHF Digest, freeing me after I'd published four issues of the VUD on an interim basis.

CPC ... From our Courtesy Programs Coordinator: "Hi, I'm Blaine Thompson, the NRC's CPC/DX Test Coordinator. As you probably have seen, our friends at the IRCA have arranged a DX test with WJNT, 1180am in Jackson, Mississippi for Saturday September 29, 2001. I'm soliciting requests for stations to arrange DX tests with this week, I will send out requests to WFTFD in Mineola, NY (1520am), KEOR in Atoka, OK (1310am), KMBI in Spokane, WA (1330am), WISS in Berlin, WI (1090am), and KLUV in Breen, CO (550am). Next week I will update you with new stations I'm soliciting along with any replies I've received. If you wish to contact me, my information follows: Blaine Thompson - 6523 Emmons Drive - Fort Wayne, IN 46835-2293 - phredd@well.com."

Dues Notes ... Don't forget that the new NRC dues rates (to receive DX News) are now as follows: $28.00 to US addresses; $38.00 to Canadian addresses, and $52.00 to all others.

Publication ... Our former "Confirmed DX'er" editor, Ken MacHarg, has recently published a new book: Inside Track: Latin America through the eyes of a Missionary Journalist, which contains both secular and evangelical anecdotes. Copies of the book may be ordered from Kenneth D. MacHarg, Box 52-7900, Miami, FL 33152. The cost is $7.95 plus $2.00 shipping and handling.

DX News
Serving DXers since 1933
Volume 69, No. 1 - October 1, 2001 (ISSN 0737-1659)

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36. NRC '02 Pittsburgh - DX'er's Odyssey
44. DX'er's Notebook
46. Professional Sports Nets
47. Musings of the Members

CPC Test Calendar
WODI VA 1230 Nov 4 0100-???

WODI-1230 - 1230 Radio Road - Brookneal, VA 24528 will conduct a DX test from 1:00 am - ?? EST Sunday, November 4, 2001. The test will consist of Morse code, distinctive music, and voice announcements. Reception reports (with return postage) may be sent to: Dave Marthouse, owner, <wodi@lynchburg.net>. Arranged by Dave Marthouse for the NRC/DXAS; information via IRCA.

From the pages of DX News:

25 years ago ... from the October 4, 1976 DXN. Elliot Strauss, Asbury Park, NY described TA conditions as "Absolutely unbelievable", having logged 42 DXs in two weeks, including Turkey-1016 for country #61.

10 years ago ... from the October 7, 1991 DXN. The front page of DXN received a new, cleaner appearance ... the Bridgeport convention report was penned by John Malicky ... and an article by John R. Tow questioned the quality control of the Drake R8.
The NRC is growing - and you can help.
More members in the NRC means a larger DX News ... and more features and services for all members.

APPLICATIONS FOR NEW STATIONS

None

GRANTS FOR NEW STATIONS

1230 GA Waycross: 1000/1000 U1
1570 OR Warren: 5000/1000 U4

APPLICATIONS FROM EXISTING FACILITIES

1050 KTBZ AZ Tuba City: 580/85 U1
1190 KXMX CA Anaheim: 2500/1000 U4
1370 WJES SC Johnson: 350/115 U1
1220 KOMC MO Branson: 1000/50 U1
1230 KYPA CA Los Angeles: 543/543 U1
1380 KMUS OK Muskogee: 2000/500 U4
1380 KKKO WA Everett: 27000/50000 U2
1430 WKDA TN Madison: 15000/10000 U2

GRANTS TO EXISTING FACILITIES

590 WKJN NJ Lakeside: city of license to Harriman, NY
590 CKEK BC Cranbrook: to 102.9 FM
640 CPOB ON Fort Francis: to 93.1 FM (will simulcast for 6 months and then run a tape loop of advising to move for the next 6 months)
910 CHRL PQ Roberval: to FM (frequency not shown)
990 WJEH OH Gallipolis: to 910 CHRL PQ Roberval: to FM (frequency not shown)
1050 CKEF BC Vernon: to 105-8 FM
1150 WGBR NC Goldsboro: 5000/600 U4
1350 CKCI BC Parksville: to 88.5 FM
1440 KTKO TX Denton: 1000/370 U4
1860 KWOC OK Chickasha: city of license to Dell City, OK

AM Switch

Jerry Starr
wjiy@yahoo.com

1510 WLRK MI Three Rivers: CP for 440 D1 is on
1520 WKEZ MI Muskegon Heights: station is SILENT
1570 KBJT AR Fordyce: CP for 810/8 U1 is on
1570 KWQC IA Webster City: CP for 232/137 is on


DXN Volume Sixty-Eight Index

Yet another installment of your least-favorite column.

Most columns are not listed; ask your Column, any topic in them 39 Professional Sports Nets. Professional Sports Nets.

regular-issager

More members in the NRC means a larger DX News ... and more features and services for all members.

applications

You could just send the lead.

DX News.

Thank you for your patience with the delay in adding members to the National DX Corps.

The NRC's regular column,

Professional Sports Nets.

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The NRC's regular column,
Here we go with Issue One of the new Volume Year. Hope to hear from all the old gang and plenty of new voices in the year to come!

Comments from the crowd: “Friday night football might be a great time to DX as the phone patch here we go with broadcasts seem to cut thru the usual satellite feeds, hi. Nothing new, but always trying. Twilight of new voices in the year to come!!”

Worse.

WTC taping results obviously didn’t feel like DXING since Tuesday, until this morning when reporting: Please submit your report to resemble the format seen here, divided into the various categories (unIDs, TIS, etc) and use only NRC-approved abbreviations. In most cases, only a couple of additional letters either written or typed will form the entire word, leaving no doubt what you want to convey. Sort your receptions by frequency. Many reports come in the order you received them (by date) and it takes longer to sort things out here if written in that manner. Do not include any information not wanted.

Prior to the Topeka deadlines printed in DX News (not the Pub date). This gives me time to finalize things before e-mailing the column to HQ, which works the first time on most occasions. I look forward to hearing from you, and including your DX catches and listening tips in DDXD-West. Oh and tell us what you heard. NOT what you didn’t. Some reports are confusing.

REPORTERS

AB-CA Art Blair Folsom NRD-515 & Kiwa loop <artblairca@prodigy.net>

DBJ-TN David B. Jones Springfield Lowe HF-225 + Space Magnet bought 2001 NRC Convention

GJ-CR Gary Jackson Sacramento FRG-8800 + Kiwa Loop

EL-IL Eric Loy Champaign Drake R8 with Quantum VX <celoy@netscape.net>

CR-IL Cristos Rigas Wood Dale Sony ICY 2010 <crigas@cirgan.com>

JR-WI John J. Rieger South Milwaukee IC-875 + Kiwa Loop; GE Superadio III + Terk AM1000 loop; IC-875, Kiwa loop + MJF-598B tuner/preamp <johnjiriegerswebnet>

KR-AZ Kevin Redding Mesa DX-396 and Signal Magnet 2 <kdwerder@uno.com>

MS-CA Mike Sanburn Bells Grove GE Superadio <mike sanburn@hotmail.com>

MS-MB Morris Sorenson Winnipeg Realistic DX-392 with built-in arteenenna <msoorson@aol.com>

BW-OK Bruce Winkelman Tulsa R-8, Quantum Phaser, 50 ft splorers <bwdwink@home.com>

STATION NEWS & NOTES

1240 KTM TX Bryan-College Station - To flip from standards to regional Mexican. (www.100000watts.com)

1530 WMBE WI Chilton - 99 - Changes to sports carry ESPN. (Radio/DX Information from Wisconsin) http://www.angelfire.com/wi/wdix/.

1600 KVRI WA Blaine - 9141 - Transmitter turned on 9/13, running gospel programming during the testing phase, but will run a foreign language format after it officially signs on. (am@nrccxas.org)
up and listen closely. Then weather report, and ID at 0205, when it was taken over
by an XE. (KR-AZ)

1450 KLTJ WA Yakima - 8/31 0715-0753 - C&W music with tunes by Willie Nelson, John-

ny Cash, and Glen Campbell. Country KUJT slogans. Unreadable-to-good, with
co-channel QRM from KOIT. Washington #55. (AB-CA)

1510 WWZN MA Boston - 9/10 0135 - Fair, in WLAC open carrier, with Sporting News Radio;
many IDs. (EL-IL)

1520 WYTV VA Roanoke - 9/17 0821 - With ID, in null and under KOMA. (KR-AZ)

1670 WRRN GA Warner Robins - 9/13 2138 - Fair, with The New Cat Country.97 WRRC during
WTDY fade out. (JJR-WI)

### DD XD-East

The first DD XD-East for Volume 69 of DX News is a short column. Many of us, I suspect, have
been watching quite a bit of television this week as the events in New York City, Washington and other
parts of the world unfold, although radio has kept me informed all week at work and in the car.

I have notified Publisher/Editor Paul Swearingen of my resignation as editor of DD XD-East.
The last column I will be editing for DX News Volume 69, Number 5, with a deadline to Paul of October
25th and a publish date of November 5th. This was not an easy decision to make. Nevertheless, it is now
time for another NRC member to step in and continue the column. Please notify Paul and me. All
submissions I receive by e-mail or USPS after my column deadline of Tuesday, October 23rd will be
forwarded to Paul.

UNIO, UNIO HELP, PRESUMED AND CORRECTIONS

1290 WCHKP GA Canton - 9/9 0000 - Very weak; "News 24 hours a day, this is the news sta-

tion". Also, "Cherokee County's ??", then AP News. Canton is located in Cherokee County, Ga. (SC-IN)

1300 KVE TP TX Austin - 8/23 2100-2115 - ESPN sports talk show; no ID heard. Poor. (DT-

JW) WCHYP GA Savannah - 8/23 2149-2230 - Disney Network. No ID heard; very poor un-
der WCHK and WINO. (DT-JW) WGBP AL Gadsden - 7/5 2206-2235 - Play-by-play baseball on
ESPN Network; only ESPN on 1330. (DT-JW)

1350 WWBP FL Bradenton - 8/5 2125-2330; OLD; poor under WTB. (DT-JW)

1490 WHE TP IL Johnston City - 7/30 2040-2105 - Sports talk show on Sports Talk Network.
No ID heard: but with WPTY gone, it's the only one with this format. (DT-
JW) STATION LOGGINGS

1470 KJBT MN Brooklyn Park - 9/7 2300 - Fair. Heard partial ID as ... and AM 1470, Brook-
lyn Park. Not common here. (MS-MB)

(DJB-TN)

1380 WYVW NY Niagara Falls - 9/9 2248 - Poor-to-Fair, with local ads and calls, with oldies.
(JJR-WI)

1450 WLYV IN Ft. Wayne - 9/7 2030 - Fair, with end of REL show . . on WLYV. Ft. Wayne
weather . . Rare! (JJR-WI)

1450 WDBE FL Jupiter - 8/3 2246-2305 - Old, CBS News. Brief ID as "WDBE"; poor under
WMVP. (DT-JW) WVBG MD Indian Head - 9/11 0455 - Suddenly present with calls, location, then "What's
up? This is ?Jack and ?J? on the all new Power 10-30, WVBG". (RK-CT)

1570 WWRN GA Warner Robins - 9/9 2138 - Fair, with The New Cat Country. 97 WRRC during
WTXY fade out. [JJR-WI]
Welcome to the 69th year of the National Radio Club. It is my privilege to serve you in this IDXD column. Your ideas and comments are always welcome. A few guidelines: (1) please send e-mail logging in text (not html); (2) please endeavor to follow the format that you see below - those who do not are put at the end of the line, and may be delayed until a following issue. (3) Please use UTC/GMT, or at least indicate what time standard you are using if you don't know how to calculate UTC. (4) Please do not use abbreviations or “ham-speak”. (5) There are no strict deadlines, but I usually prepare the column on Thursday or Friday night. Late submissions are carried to the next column.

This has been a tough week for all of us world citizens. Although much of the media coverage of the terrorist acts emphasized an American context, I was intrigued to learn while listening to various international broadcasters that citizens of at least sixty countries are among the dead or missing. So there are a lot of people around the world hurtting now. Knowledge of DXing, of course, gives all of us the unique ability to hear a variety of voices - domestic and international - as we strive to make sense of these terrible events and move forward in hope.

ADDRESS UPDATES

153 GERMANY DLF Donebach, AUG 05 0406 GG news // 207 Good signal. AUG 26 0221 - Classical piano over low freq. rumble. AUG 28 0132 Classical piano (over Algeria) // 755 both good. [Stromsted-MA] SEP 7 0202 - classical music; slightly over Algeria. [Connelly*rw-MA]

154 ALGERIA Chaine 1, Bechar, AUG 23 0137 // 549 & 891 with Arabic talk, flute music; good to excellent. [Connelly*rw-MA] SEP 7 0021 - Arabic vocal; over Germany. [Connelly*rw-MA]

162 FRANCE France-Inter, Alloouis, AUG 23 0145 - man in French; good. [Connelly*rw-MA] SEP 7 0001 - news in French; excellent. [Connelly*rw-MA] AUG 26 0244 - American dance music. I am never going to dance again...the way I danced with you... Male vocal followed by "Smooth operator", loud! [Stromsted-MA]

180 TURKEY TRT, Polatlı, AUG 23 0146 - Arabic vocal with large string and drum orchestra having an "epic film soundtrack" effect; loud. [Connelly*rw-MA] SEP 6 2353 - female Arabic vocal and large orchestra; local-like! [Connelly*rw-MA] AUG 26 0239 - Arabic rock, female vocal, good signal. AUG 28 0138 - Arabic rock, female & male vocals, deep bass with violins and guitar, Mid-Eastern style, good signal. [Stromsted-MA]

180 GERMANY Deutschlandradio Berlin, Oranienburg, AUG 23 0143 - C&W rock. nicknamed "The Bible" of course, gives all the news, views and opinions from around the world, male EE announcer, poor signal, "DIW" beacon interference. [Stromsted-MA]

180 UNITED KINGDOM BBC R4, Droitwich et al., SEP 4 0138 - talk about role of women in Korean society; fair. [Connelly*rw-MA] JUL 31 0326 - Dance music “Alone again” followed by a fast rock tune with vocal and refrain, good signal. AUG 26 - American rock with male vocal, fair signal with aero beacon. SEP 10 0305 - Progressive hard rock male vocal “I don’t fit in...why do you worry”, loud! [Stromsted-MA]

198 ICELAND Ríkisutvæpði, Gufuskalar, SEP 6 2359 - Scandinavian talk by man; to fair peak. [Connelly*rw-MA] JUL 30 0326 - Dance music “Alone again” followed by a fast rock tune with vocal and refrain, good signal. AUG 26 - American rock with male vocal, fair signal with aero beacon. SEP 10 0305 - Progressive hard rock male vocal “I don’t fit in...why do you worry”, loud! [Stromsted-MA]

207 GERMANY DLF, Abholming, SEP 7 0020 - with classical music; mixed with Morocco. [Connelly*rw-MA] SEP 3 0117 - Flute concert, good // 153 poor; // 755 poor // 1422 fair. [Stromsted-MA]
POLAND Polskie R., Konstantynow, SEP 7 0022 - Slavic talk by man & woman; poor to fair over "QM" beacon. [Connelly*rw-MA] AUG 26 0259 - Slow Polish dance tune with tenor vocal, strong bass then into a soft rock piece with female vocal with "QM" beacon interference, fair signal. AUG 27 0346 - Teletalk female/male with male caller-good signal. AUG 28 0126 - Slow dance music, fair signal. SEP 01 - female talk host and Female high pitched caller, then into music interval and more talk. SEP 04 2345 - Polish folk song, QRN, fair signal. SEP 10 0259 - into 6 time pips and news with music bumpers and on the scene reporter coverage of political election developments (Ukraine?) strong signal, wide open receiver. [Stromsted-MA]

LUXEMBOURG R. Luxembourg, Junglinster, AUG 23 0140 - MA1 10 0259

CZECH REPUBLIC Cesky Rozhlas Uherske-Hradiste, JUL 31 0319 - MA1 - Hand to good peak. AUG 27 0353 - French and peaks. AUG 31 0203 - female in Spanish, then into a piano solo at 0151 (good). [Connelly*rw-MA]

SPAIN RNE R.5 synchros, SEP 7 0058 - Tentative with two Arabic vocal, loudest TA 30 0017 - tentative with two Arabic male with female caller, then "Welcome to the Irish collection" good signal. [Kenneally-CT]

ALGERIA Chaine 1, Les Trembles, AUG 23 0137 - 153 & 891 with man in Arabic and flute music; loud ! [Connelly*rw-MA] + SEP 4 0414 - energetic pop male Arabic vocal with drums and violins, talk by female DJ followed loud; [Connelly*B-MA] + SEP 6 0025 - woman in Arabic vocal. [Connelly*rw-MA] + SEP 7 0029 - huge with violins, male Arabic vocal. [Connelly*rw-MA]

GERMANY DeutschlandRadio, Nordkirchen & Thurnau, SEP 7 0025 - 153 & 756 with classical "mood" music; under Algeria. [Connelly*rw-MA]

SPAIN RNE R.5 synchros, SEP 7 0057 / 585 with Spanish talk; in WGAN slop. [Connelly*rw-MA]

SPAIN RNE R.5 synchros, SEP 7 0058 - seemed like Spanish talk / 585, not Ireland; poor. [Connelly*rw-MA]

IRELAND RTE Radio 1 Tullamore, AUG 22 0344 - Male EE Vocal with banjo, mountain music (bluegrass) good signal. SEP 15 0100 - News, then male EE announcer "Welcome to the Irish collection" good signal. [Stromsted-MA]

SPAIN RNE1 Madrid AUG 20 2348 - Male SS teletalk host-weak signal / 774 good. 2358 Spanish music, female vocalist. [Connelly*rw-MA] SEP 7 0056 - 1017 with woman in studio & man on phone; in 590 slop. [Connelly*rw-MA]

SPAIN RNE R.5 synchros, SEP 7 0010 / 585 with Spanish news read by woman; slightly over likely France & Madeira mix. [Connelly*rw-MA]

MOROCCO RTM, Sebba-Aioun, SEP 6 2350 - 207 with Arabic female vocal with drums; fair. [Connelly*rw-MA]

CANARY ISLANDS / SPAIN RNE R.1 synchros, Santa Cruz de Tenerife et al., SEP 4 0417 - fast Spanish newstalk; good. [Connelly*B-MA] + SEP 7 0007 - man & woman in Spanish with news; fair to good. [Connelly*rw-MA]

SPAIN Synchronized RNE1, AUG 22 0142 - Argentine tango music, Female & male teletalk, fair signal / 586 set with 640 domestics. [Stromsted-MA] SEP 7 0008 - 621 with woman in Spanish; fair. [Connelly*rw-MA]

SPAIN RNE R.1, Badajoz et al., SEP 7 0018 - 774 with man & woman in Spanish; poor. [Connelly*rw-MA]

SPAIN RNE R.5, Madrid, SEP 0102 - 621 with news by man & woman in Spanish; fair over WFPAN slop. [Connelly*rw-MA] - American rock, then SS male call-in Loud! [Stromsted-MA]

PORTUGAL RDP 1 Synchros, SEP 11 0532 - Portuguese mu-
936 SPAIN ‘RNE
Egypt.
backing,
FRANCE France Bleu Nancy, AUG 05 0252
ITALY, RAI Radio Due, Roma, AUG 28 0114
[Connelly*rw-MA]
bell! AUG 28 0139
lar music later at night, female vocal, fair. SEP 08 0301
News in Italian male
//
ROMANIA signal, Jazz-sax solo, female
SEP 6 2325
[Stromsted-MA]
[Stromsted-MA]
SEP 8 2341
WEEI-
I1
Female talk host with male caller, good signal. [Stromsted-MA]
SEP 7 0042
[Stromsted-MA]
[Stromsted-MA]
SEP 8 2341
EGYPT
SPAIN SER synchros, AUG 27 0410
[Connelly*rw-MA]
SEP 6 2321
[Stromsted-MA]
UNITED KINGDOM BBC R. Wales, Washford, SEP 7 0108
signal. [Stromsted-MA]
SEP 8 2341
[Stromsted-MA]
SEP 8 2341
[Stromsted-MA]
SEP 8 2341
SEP 9 0029
Spanish with an echo from slightly out-of-synch synchros.
[Stromsted-MA]
SEP 9 0029
[Stromsted-MA]
SEP 9 0029
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1334 ITALY Rome, SEPT 19 0419 - Radio Uno program, very good, with man and woman in Italian. [Kennedy-CT]

1399 SPAIN Andorra, AUG 23 0515 - Spanish news and teletalk; loud. [Connelly*rw-MA] + SEP 2215 - pre-sunset het fade-up. + SEP 7 0116 - man in Spanish; in CKBC slop. [Connelly*rw-MA]

1368 ITALY Radio Tre, various, SEPT 19 0421 - Fair, with soft classical music after the regular sign-on. Doesn't seem to go into "talk" like the other networks. [Dangerfield-P]

1377 FRANCE France Bleu, Lille, AUC 13 0110 - man & woman in French; fair 0312; music with vocal; good signal from strong St. Pierre. - 1375. [Connelly*rw-MA] + AUG 24 0017 - / 1206 with mellow ballad. + AUG 24 0243 - "Clair" by Gilbert O'Sullivan; excellent, dobbing St. Pierre. [Connelly*MA] + SEP 6 2216 - male pop vocal over WMYF-1390 NH slop; well before sunset. [Connelly*rw-MA] + SEP 17 0020 - Good; Cindy Lauper "Girls Just Wanna Have Fun" France Bleu jingle, and nostalgic French vocal. [Connelly*MA] + SEP 11 0115 - Clearly parallel to 1206 w/ "Once Upon a Night" on Montfort.

1395p HOLLAND Business Nieuw Radio, Montfort, SEP 11 0356 - American rock with voice of the Supremes, non stop music, Good signal, I believe this is Holland as too late for Russia and unlikely Albania. First time heard here. 0513 Teletalk male MC to male caller, poor/fair. [Stromsted-MA]

1404 FRANCE France Bleu synchros, SEP 7 0040 - / 0060 with French disco; poor, [Connelly*rw-MA] SEP 19 0246 - Fair, with R. Bleue music / to 1377 etal, and with someone behind. Still wishing for Ajaccio, Corsica, alone here. [Dangerfield-P]

1413 SPAIN RNE 5 synchros, SEP 7 0309 - / 774 with woman in Spanish; in jumble. [Connelly*ME]

1422 GERMANY DLF-Heusweiler, SEP 06 0216 - Classical music, poor/fair. SEP 12 0210 - Piano music, followed by two male GG in discussion of World Trade disaster / 549. [Stromsted-MA] SEP 7 0015 - Fair; man in German, instrumental music parallel 153. [Connelly*ME] SEP 06 0216 - Classical music, poor/fair. [Stromsted-MA] SEP 7 0038 - / 756 with violins, woodwinds. [Connelly*rw-MA]

1431 ITALY Radio Due, various, SEPT 19 0421 - Fair, man in Italian after sign-on, and with a better signal than RAI-1419, but stations on this freq, are only listed as using one to two kW, and am wondering if there's been a shift. Also heard a week ago. [Dangerfield-P]

1458 UNID, SEP 09 0312 - Modern rock but Female DJ in Balkan language? then call-in similar to other E. European stations. [Stromsted-MA]

1458 ENGLAND unIDs, SEP 17 2340 - At least a couple of stations battling it out, one with pop music and talk in English. [Connelly*ME]

1467 FRANCE TWR Roumoulés, SEP 18 2215 - Good; just CAUGHT tail end of sign-off announce- ment in English followed by the interval signal, then off. [Connelly*ME] SEP 17 0352 - Male EE7 religious program poor signal. [Stromsted-MA] AUG 13 0344 - musical-box interval signal; fair. [Connelly*BMA]

1476p AUSTRIA Radio Austria, SEP 06 0150 - Classical piano music/poor/sair signal. [Stromsted-MA]

1485 SPAIN SER synchros, SEP 07 0035 - Spanish talk; poor with either other signal. [Connelly*rw-MA]

1494 FRANCE France Bleu synchros, SEP 17 2320 - Fair; nostalgic French vocal, France Bleu jingle, pop music parallel 1206. [Connelly*ME] SEP 19 0340 - Fair, with R. Bleue light music / to others, and again, wish that Bastia, Corsica, could be gotten alone. [Dangerfield-P]

1502 ANGOLA EP de Benguela, SEP 17 2250 - Good; man in Portuguese, upbeat music, Benguela and Angola mentions into news at 2300, end of news with instrumental music at 2315, hops against 1500 and 1530. WRTH indicates 2300 sign-off. SEP 18 2225 - Portuguese vocal, again in strong early, before local sunset. [Connelly*ME]

1512 SAUDI ARABIA BSKSA Jeddah, AUG 29 2256 - Arabic a cappella Koranic vocal, loud signal. [Stromsted-MA]

1517 BELGIUM Wolverson, SEP 19 0339 - Good, with man and woman in conversation in Flemish. At least, to me it seemed Flemish. [Dangerfield-P]

1512 CRETE / GREECE ERA, Chania, SEP 7 0034 - / 981 with man & woman in Greek; to good peak with WWZN phased. [Connelly*rw-MA] AUG 22 0035 - presumed, Mid-Eastern-Greek music with vocal-in-jumble, then fade-out. Kuwaij loud at same time. [Stromsted-MA]

1521 SAUDI ARABIA BSKSA, Duba, AUG 23 0259 - interval signal (about 7 descending notes on oud); huge, trashy WWKB. + AUG 24 0305 - Koranic male vocal; local-like [Connelly*MA] + SEP 6 2218 - / 9550 & 9870 with Arabic male vocal with lush strings and percussion;
good, way over others; loudest pre-sunset TA. [Connell*H-MA]

SPAIN SER, Castellon, SEP 7-0032 - Spanish telefaka; good with WWKR phased. [Connell*rw-MA]

KUWAIT VOA Relay, Kuwait City (Kabd). AUG 23 0122 - VOA sports report mentioning Formula 1 Auto Racing: fair through WPTP-1540 alop. [Connell*H-MA] SEP 7-0030 - "VOA News Now" mention, Voice of America ID. This mention "midnight 30 UTC", then item about meeting between Shimmon Peres and Yasir Arafat: good. [Connell*rw-MA] AUG 22-0301 - VOA news and stock market trouble, prominent American narrator, then female reporter. Fair signal. [Stromsted-MA] SEP 16 2325 - Good; VOA News Now in English parallel 9770 and 15305. [Conti-ME]

ALGERIA RASD Clandestine, Tindouf, SEP 8 2300 - / 7460 with strings, muffled Arabic talk; in & out of domestic jungle. The 7460 outlet was slightly over WWCR religious broadcast. [Connell*rw-MA]

ITALY RAIR, Uno synchros, AUG 13-0350 - test tones, then sound of glass being tapped; ID by woman "RAI - Radiotelevisione Italiana" at 0400. Signal was mostly over SER - Spain. [Connell*B-MA] SEP 19 0400 - Big signal - best of the RAIs - at sign-on, with anthem, time pips, and man & woman in Italian. Way over Spanish. [Dangerfield-MA] SEP 11 0400 - Presumed, two women in Italian, maybe? R San Luchino or Studio X? / 0435 female talk host to male caller over many signals. 13 2357 - Teletalk, female II talk host with female caller, good signal over Spain. [Stromsted-MA]

SPAIN SER synchros, SEP 6 2247 - Spanish newstalk; jumpy fading on signal. [Connell*rw-MA] SEP 16 2340 - Fair; telephone talk in Spanish parallel 1521, synchro echo, over an unidentified station. [Conti-ME]

KUWAIT Al Mustaba'i, SEP 2 0244 - Two men speaking, it appeared Arabic over usual Spanish signals. [Stromsted-MA]

CEUTA RadiOle, SEP 6 2246 - mellow female pop vocal; way over SER talker. [Connell*rw-MA] SEP 15 57 - FRANCE France Bleu, Nice, SEP 2 0229 - music and talk over jumble, good signal / 1206, 864, 837 (all poor). [Stromsted-MA] SEP 17 0337 - loud over mad jumble, good signal / 1206 fair. [Stromsted-MA] SEP 16 2335 - Good; Spanish contemporary hit mix; station heard at sign-on. [Connell*MA]

VATICAN SEP 19 0419 - Huge signal at sign-on. First, woman in Italian, then brief piano interlude followed by Vatic Italian, and then a choir. After that, a man spoke in a Slav type language. I didn't note Vatican-1530 so wonder if they have reduced power as recent news articles have said would be done. [Dangerfield-PA]

Erik speaks to G-2 "It seems to me that TA DX signals are improving particularly in SEP with more open- band openings, and I have noted around 1530, 1575, as well as possibles on 1035, 1062 and 1116. The France Bleues were in too, along with a big signal could be found at a number of spots on the MW band. I called the night before last "Italian night" as mix.

Ben speaks: "The last couple of nights there have been high band openings, and I have noted around 55 to 65 TA freq. each night. These signals seemed to peak at 1611 with the Vatican, then decline until they were very weak in the 500's. There were strong spots in the 1000's and 100's, but not too much below. And the LW band had good signals in spite of a horrendous buzzing noise, traces of which could be found at a number of spots on the LW band. I called the night before last "Italian night" as several RAJ stations were strong around their 0400 sign-on, and these included 1332, 1308, 1431, 1449 and 1575, as well as possibles on 1035, 1062 and 1116. The France Bleues were in too, along with a big Monte Carlo-1467, but Spain was only so-so. As usual, Croatia-1134 was the most consistent TA, and 1575, as well as possibles on 1035, 1062 and 1116. The France Bleues were in too, along with a big signal could be found at a number of spots on the MW band. I called the night before last "Italian night" as mix.

Connell speaks: "It seems to me that TA DX signals are improving particularly in SEP with more open- band openings, and I have noted around 55 to 65 TA freq. each night. These signals seemed to peak at 1611 with the Vatican, then decline until they were very weak in the 500's. There were strong spots in the 1000's and 100's, but not too much below. And the LW band had good signals in spite of a horrendous buzzing noise, traces of which could be found at a number of spots on the LW band. I called the night before last "Italian night" as mix.

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VENEZUELA 860 VENEZUELA R. Mundial, WOL, San Cristobal, AUG 24 0910 - "Ocho - Sowenta, Mundial" ID, folk-style music; loud. [Conti'-ME]

CUBA 890 CUBA R. Progreso, CMDZ, Santiago de Cuba, AUG 23 0227 - / 640 with mentions of Cuban - Venezuelan diplomatic relations; jumbled with WBP's and others. + AUG 24 0936 - Progress ID, but running an independent program from usually / 900 at the time. [Conti'-ME]

SEP 05 1534 - fair to good, cuban instrumental music, / 640 + SEP 15 0331 very good to go, news of the news items was that "el comandante Fidel Castro" has inAUGurated a new school of formation. [Chiochiu-PQ]

ST. KITTS & NEVIS 895 V. of Nevis, Bath Village, Nevis, AUG 24 0157 - sign-off with an anthem or hymn; audio off by 0159 but blank carrier left on. [Conti'-ME] + SEP 7 0110 - telephone in talkshow, Caribbean-accented presenter; fair. [Trelford-JAM]

CUBA 890 CUBA R. Progreso, AUG 24 0935 - R. Progreso ID, Spanish talk; dominant. [Conti'-ME]

MEXICO 900 MEXICO XEW La Voz de America Latina, SEP 15 0432 - First confirmed mexican; ad for the Radiodispol web-site at http://esmas.com followed by an ad for "Eco Mexicana" then into talk pgm. Fair signal with deep fades, in a solid CHML null. [Chiochiu-PQ]

CUBA 930 CUBA R. Reloj, SEP 15 0501 - just the "rip" rips heard above the muth. [Kenneally-CT]

CUBA 960 CUBA R. Reloj, AUG 24 0932 - Reloj program; over domestics and unID Latin American. [Conti'-ME]

COLOMBIA 990 COLOMBIA RCN, HJJX, Bogota, AUG 23 0203 - Good; sign-on with anthem over CBGY. [Conti-ME]

COLOMBIA 1020 COLOMBIA RCN, HJJX, Bogota, AUG 23 0203 - Good; soca and reggae music in WTAM null. [Conti'-ME]

CUBA 1030 CUBA R. Margarita, YVRS, La Asuncion, AUG 24 0102 - fast folk music with male group and old-style accordion, then R. Margarita ID well over YVMX / KDKA. [Conti'-ME]

DOMINICAN REPUBLIC 1040 DOMINICAN REPUBLIC R. Cadena de Noticias, HION, Santo Domingo, AUG 24 0931 - Radio Noticias jingle; over dogpile of other stations. [Conti'-ME]

ARGENTINA 1041 CUBA 1041 AUG 24 0928 - weak hit against HION. [Conti'-ME]

ANTIGUA 1100 ANTIGUA ZDK St. John's, SEP 18 0205 - Good; soca and reggae music in WTAM null. [Conti'-ME]

CUBA 1100 CUBA R. Carupano, Carupano, SEP 17 0200 - Good; "Radio Carupano, patrimonio cultural" promo and salsa music. [Conti-ME] + AUG 24 0241 - numerous R. Carupano ID's, then romantic music including old-fashioned waltzes; in easy WBT null. [Conti'-ME]

DOMINICAN REPUBLIC 1136 COLOMBIA RCN, HJAQ, Cartagena, AUG 23 0134 - RCN sports in Spanish / 760; over / under CKBW. [Conti'-ME] + SEP 5 0109 - talk show format, mention "Antena", "Columbia" and "Cartagena", fair, interference from WWW. [Trelford-JAM]

DOMINICAN REPUBLIC 1134 US VIRGIN ISLANDS WVWI Charlotte Amalie, JUN 5 0140 - brief breakthrough with foot-pall in-play, game between Antigua and St. Thomas. fair. [Trelford-JAM]

US VIRGIN ISLANDS 1100 US VIRGIN ISLANDS WVWI Charlotte Amalie, JUN 5 0140 - shows an ID mention, under CKBW.

DOMINICAN REPUBLIC 1160 BERMUDA VSBS, Hamilton, SEP 7 0049 - / 5975 with classical music presentation; in mix with WOBM / WNI / WSKW. [Conti'-ME] + SEP 17 0401 - Fair; pop music countdown program from BBC World Service parallel 198. [Conti-ME]

MEXICO 1170 MEXICO XEUVA, Aguascalientes, AUG 19 1200 - Agua was weak but on top with two "La Rancherita" ID's. [Godwin-MT]

CUBA 1180 CUBA R. Rebelde, La Habana, SEP 10 0658 - as "La Rebelde", La Habana, SEP 10 0658 - with full ID. I heard Cuban Spanish dialect and was expecting to hear Ro. Marti but was surprised with this. first time. [Redding-AZ]

MEXICO 1220 MEXICO XEB, Mexico DF, AUG 18 1200 - a fairly strong signal, all alone, IDing as "La B Grande de Mexico." It's unusual to hear it this late in the morning. [Godwin-MT]

PUERTO RICO 1280 PUERTO RICO WCMN Arecibo, MAY 27 0206 - talk show in SS, Puerto Rico mentioned. [Trelford-JAM]

DOMINICAN REPUBLIC 1290 US VIRGIN ISLANDS WRRR Fredericksted, MAY 27 0257 - "Coast to Coast" talk show, great ID, including transmitter location, station address, world news. Increased power? No sign of WJNO. [Trelford-JAM]

PUERTO RICO 1300 PUERTO RICO WTHI Mayaguez, MAY 22 0140 - talk show, mention of Puerto Rico, poor.

DOMINICAN REPUBLIC 1330 DOMINICAN REPUBLIC HIVR Santo Domingo, MAY 26 0203 - pop music, mention of "Radio Scintilla", fair. [Trelford-JAM]

ST. PIERRE ET MIQUELON 1375 ST. PIERRE ET MIQUELON RFO St. Pierre SEP 17 0255 - Excellent; dramatic reading in French with suspensful organ accompaniment, parallel: 162. [Conti-ME] SEP 20 2027 - talk in FF between two females about North-African and Morrocan culture, followed by traditional
AFGHANISTAN: BBC World Service expands medium wave transmissions and key broadcasts serving Afghanistan and the surrounding region. BBC World Service is reinforcing its medium wave transmissions, with an additional frequency, serving a large part of the region surrounding and including Afghanistan. It was announced today (Thursday, September 20). The BBC World Service has also boosted short wave transmissions to the region and expanded output in Arabic, Pashto, Persian and Urdu in response to the escalating tension in the area following the US attacks last week. News and programmes are being shared with those participating. Additionally, we are seeking listeners having data of how and why the signal potential of the Norwegian allocation and are confident in view of the results. At this moment we are interested addressing the radio listener community for volunteers who may be able to assist us. We hope to start a meaningful interactive relationship with our audience not only in feedback to programming, but also re. technical aspects. We are now interested in researching the groundwave and skywave signals of some LW stations from locations in the British Isles, Northern France, The Benelux, Germany, and the Baltic coast. Co-operators have to be experienced DXers/radio listeners who know what they are doing. The stations are: 216 kHz Radio Monte Carlo, Roumoules, France, 1400 kW emfp (effective measured radiated power), 207 kHz DLR Aholming, Germany, 500 kW emfp, 207 kHz Radiol Eldar, Iceland, 1000 kW emfp, and 209 kHz Radiol Solec Kujawski, Poland, 1000 kW emfp. On September 20, there will be a fluctuating transmission zone between the Northern Star and RMС signals. This zone will move back and forth all the time, and can be several hundred kilometres wide. We are especially interested in estimating in which areas Northern Star will be interference-free of our co-channel neighbour. Professional equipment should be used so that the readings could be as accurate as possible. What we really need are precise signal strength levels in exact milliwatts/μW figures, however measurements made on domestic equipment will also be helpful. Please tune each station in turn for maximum signal strength rotating loops (note bearing) and record the signal level on each frequency. We would propose ground wave readings between 1000-1400 μW, and skywave such as 50-500 μW. The data will be collected and the results added to a map in numerical form. The results will be shared with those participating. Additionally, we are seeking listeners having data of how the former Norwegian station on 216/218 kHZ was operating. We look forward to replacing that station with a GREAT signal, and antenna readings and record the signal level on each frequency. We would propose ground wave reading between 1000-1400 μW, and skywave between 2000-2400 UTC. Listeners have to keep records of readings for RF gain etc. constant whilst doing the tests. Uncalibrated readings, such as 99+ or 39=SIFO 55555 are better than nothing. We also need NGR and/ or Latitude and Longitude at the reception site for the exercise to be meaningful. The data will be collated in MS Excel and the results added to a map. The results will be shared with those participating. Additionally, we are seeking listeners having data of how the former Norwegian station on 216/218, LKE Oslo Kirkingater, Kløva, 2000 kHz during Radio Monte Carlo, LKE closed down on January 2, 1995 at 13:48 UTC. We look forward to replace that station with a GREAT signal, and GREAT programming from a GREAT country! sincerely for The "Amazing AM", Svenn Martinsen General Manager (Chairman) (CN)SBC AS "mailto:svennn@cl2.net" -we estimate that the first portion of our new webpages at http://www.northernstar.no will be up during this autumn -a permanent email address will then be announced -but suggestions, comments and greetings are welcomed to address above as from now -Have you read the story of Norway’s other new Longwave allocation. It is already on the air! Look up http://www.dx1.com/longwave/ingoy.html [Svenn M <svennn@cl2.net] via Medium Wave Circle e-mail list]
Mark Connolly WAIKC, DX'ing from Billerica [B], East Harwich [H], and Rowley [R] MA; Drake R8A, broadband loop, active whip, "Kaz" antenna, Superphaser-1 phasing unit. <markw@excite.com>

Bruce Costi, DX'ing from Camden ME; R8B, MDWX-5, two 65-m wires sloping east and south. Ben Dangerfield, Wallingford PA; R8A, 4 slopers, DXP-3A phasing unit.

Larry Godwin, Missoula MT; Hammond HQ-150, Sanserino air-core box loop + Kiwa loop. <lg@selway.umt.edu>

Rick Kenneally, Wilton CT; 2 Sony 2010, 300' longwire, Quantum QX Loop, Quantum phaser, SM-2 Loop. <woodlandview@yahoo.com>

Erik Stromsted WIZBT, Pepperell MA; Yaesu 1000MP Antenna is a 500 meter terminated Long Wire aimed NE (toward Europe). <microwaveadvances@charter.net>

Kevin Redding, Mesa AZ; DX-398 and Signal Magnet 2 antenna. <amfmtvdx@qwest.net>

Jim Renfrew, Byron NY; Drake R8, 500' longwire e/w. <renfrew@localnet.com>

Don Trelford, St. Ann's Bay, Jamaica.

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AM Radio Log 22nd Edition - Order Item ARL
Over 10,000 updates since the 21st edition!! This 22nd Edition is the 2001-2002 DX Season's edition of the hobby's original BC reference for the U.S. and Canada. Packed with the quick reference station data that you've always loved. It includes cross references by city and call letter.

NRC Night Pattern Book - 5th Edition Order Item NPB
Over 200 pages showing patterns for stations in the U.S. Canada and parts of Mexico! Three hole punched. This book is designed to be used with the AM RADIO book gives detailed information on the theory of the non resonant AM antenna systems with over 35 photographs. Now INCLUDES Latitudes of AM antenna with over 35 photographs. Now available for several years. 8 1/2" X 11" bound book format. ARMZ: Contents:

- Beverage Basic Theory
- Two-Wire Phased Antennas
- The Florida Beverage
- The Care and Feeding of the Wave Antenna
- A Non-Resonant Longwire Remote From Earth Ground

Loop Antenna Design and Theory - Order Item LAM Revised and updated in 1996. This manual is a compilation of numerous articles on the subject of design and theory of the loop antenna that have appeared through the years in DX News. This book gives detailed information on the theory of operation, construction and maintenance of a loop antenna. Serves as an enhancement to Antenna Reference Manuals Volume 1 and 2. 8 1/2" X 11" bound book format. LAM Contents:

- Multi-Rod Ferrite Loop Antennas
- Roll Your Own! (Loop)
- Loop Antenna Theory and Practice
- Long Wave Converter Design
- Loop Distortion Why get Skewed?
- Pattern Controlled Loops
- High Dynamic Range Balun Loop
- BFC-U
- Loop Amplifier Card
- The Hot Rod: Ferrite Loop Antenna
- Loop Antenna Sensitivity
- High Precision Direction Finding
- High Performance Loop Amp
- What's Wrong With Present Day Loop Antennas?

Antenna Reference Manual Volume 2 - Order Item ARMZ Revised and updated in 1996. This manual is a compilation of numerous articles on the subject of antennas for medium wave DX'ers. Originally published between 1974 and 1981 in DX News. Some articles were formerly available as reprints. Includes articles on air-core and ferrite core loops, antenna tuners for longwire and beverage antennas and phasing units for use with beverages and longwires. 8 1/2" X 11" bound book format. ARMZ: Contents:

- A Good Loop is Easy and Cheap to Make
- The "Harley Loop"
- Whip Antenna Coupler for Portable Receivers
- The Wedge Loop
- AC Power Supply for FET Loop Amplifiers
- Antenna Phasing
- FET Loop Amplifier with Coaxial Output
- Practical Phased Beverages
- Phasing Unit Construction and Use
- More on Phased Beverages
- Phasing Unit Design Modifications

More Thoughts on Beverages
Floor Stand and Mounting Arrangements (for Loops)
NRC County Cross Reference - Order Item CCR Compiled by Bill Hale. This handy reference has a complete lists of counties in the USA and Canada. These are listed alphabetically and cross referenced by state. A great way to ID those unlisted stations that mention a county name! Also a complete list of counties listed by state and/or province. A perfect reference for Amateurs too.

The Challenging Crystal Set - Ray Cole - Order Item CCS This interesting booklet shows you how to build a "modern" crystal set, just like the one your parents or grandparents might have built and used many years ago. The 40-page booklet is full of illustrations and excellent diagrams.

The Season of DXpeditions - Autumn 1996 Order SDP - Compiled by Chuck Hutton, Bruce Conie and Mark Connelly An exciting compilation of DXpedition loggings and comments from around the World during the Bottom of the Sunspot cycle.

DX'ers' Accessories and Aids
Sunrise/Sunset Maps - Order Item SSM A set of 12 maps (8 1/2" X 11") with instruction sheet showing the average monthly sunrise/sunset times for the United States. An invaluable aid for DX'ing sunrise and sunset skip.

Map of U.S. & Canada - Order Item MAP Map of the U.S. and parts of Canada with state and provincial borders. Cities are not shown.

Broadcasters Guide to DX - Order Items EEG (English) SSG (Spanish) - FFG (French) - FMG (FM DX)

Tri-fold guides for use with reception reports explaining the broadcast band DX hobby, the history of the NRC and the importance of verifications to DX'ers. Sold 20 per order.

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After Dark Volume 6 - Order ADC6 Four 90 minute cassettes in a plastic album. A look at Talk Radio - 1340 kHz Travelog - Battle of the Century, the WJY story from radio's early days. Interviews on scanning and Longwave DX'ing. Sports on Radio, a history of radio and sports, plus lots more!

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After Dark Volume 9 - Order ADC9 Two 90 minute cassettes in a plastic album. The 1400 Travellog by John Bowker. Radio Bennis. Filming your Comments with the FCC. Sex and Deception. The Dr. Laura scandal. Screening Calls An AP article about screening your phone service. Selling of Sports by Kent Onyschuk and more

After Dark Volume 10 - Order ADC10 Two 90 minute cassettes in a plastic album. A Visit to WODI-1230 a small market station. Radio L.P.B. Low Power Broadcasting Inc.

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After Dark Volumes 1, 2, 3, 4 and 5 are listed in the NRC Archived Publications list Order reprint ZAL for more information.

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ANTENNAS

Many articles formerly in this section are in the Loop and Beverage Manuals.

A2 A VERSATILE LONGWIRE ANTENNA COUPLER. R. Foxworth. How to get the maximum amount of signal from your longwire. (3)

A9 DOWN TO EARTH GROUNDS. G.P. Nelson. How to make low resistance ground connections for terminating a Beverage (2)

A10 A CALIFORNIA BEVERAGE. Fr. Jack Pezza. Results obtained at this Beverage site. (2)

A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA. G.P. Nelson. Information for those doing horizon blockage experiments with a loop antenna. (4)

A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M. Levinow. Shows a way to skew your loop’s pattern to effect a null that will permit reception of a station impossible to receive on a figure-8 loop antenna by itself. Reprints A5 and A6 are a requirement for understanding this technique. (3)

A14 NEW MEDICAL BREAKTHROUGH FOR LONGWAVE T.A., C. Clayton. Instructions on how to build an inexpensive loop antenna for LW. (1)

A15 REVIEW OF THE DYMEX DA-3 ANTENNA. Pete Taylor, with notes by J. R. Edmunds. Evaluation of this MW antenna. (4)

A16 MORE ON BEVERAGE ANTENNAS. Wes Boyd. Beverage antenna theory and application. (2)

A17 MORE FERRITE LOOP ANTENNA INFO. Dallas Lankford. Inconsistencies in ferrite-core loop antenna theory. (3)

A19 NEBE: THE NEBRASKA BEVERAGE. D. Fischer, C. Dabelstein, R. Mitchell. Results at the Nebraska Beverage site. (7)

A20 THE LSCA-1, Ron Schatz. Construction plans for the Loop Sense Cardioid Array. Should yield a unidirectional receiving pattern when operated properly. (10)

A25 A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP. M. Maloney. Ideas for improvements in operation and steadiness of loop antennas. (4)

A27 SEVEN PASSIVE TUNERS. Mark Connelly. This article will introduce you to many different tuner designs and how they are used (10)

A29 REMOTELY-CONTROLLED ANTENNA TUNER RT-1. Mark Connelly. An introduction to the design of remote tuning for loop or wire antennas from distances of 50 feet or more. Use w/A45 (7)

A30 REMOTELY TUNED DIRECTIONAL LOOP ANTENNA. E.L. Cummins. Loop ideas for building where interior mounted loops will not work. (11)

A31 SIMPLE CHEAP AND EFFECTIVE PRE-CORE LOOP CONSIDERATIONS (“Q” DEMYSTIFIED). Mark Connelly. Review of this portable antenna. The importance of “Q” and a BASIC program to find antenna tuner component values in light of the “Q” factor. (7)

A32 SOME ANTENNA EXPERIMENTS - PART 1. W.R. McIntosh. Ever heard of a Helical longwire? This article deals with compact antennas for use where space is limited. (3)

A36 THE PHASE ONE - Delay Line Phasing Unit. Gerry Thomas. Description of an improved phasing unit design that can be built or is available in kit form. (3)

A40 AMPLIFIED PHASED SHORTWires. Mark Connelly. Construction article. Utilizing an SM-2, phasing unit and short wire antenna. (8)

A41 THE KOWALSKI PHASE UNIT. Mark Connelly. Description with comments from Paul Kowalski. A first-hand account of this ferrite core loop antenna. A non-technical review, with comparisons to the SM-2. (2)

A42 THE MWT-1 FAMILY OF PHASED LOOP TUNERS. Mark Connelly. Construction plans for the MWT-1, Mini MWT-1A, BW and 1C antenna tuners (28)

A43 RT-1 REMOTELY-TUNED ANTENNA TUNER. Mark Connelly. Description and construction plans. (10)

A44 THE MINI MWT-3, A Simple, Effective Phasing Unit. Mark Connelly. Construction plans for a one-box phasing unit. Order also A55. (21)

A45 THE MWT-4 FAMILY OF PHASING UNITS. Mark Connelly. Construction plans for the MWT-1, Mini MWT-1A, BW and 1C antenna tuners (28)

A46 WIND A COMPLETE-COVERAGE COIL FOR THE RADIO WEST LOOP. Fritz Mellberg. Eliminate the need to change coils during tuning of the entire MW band on this antenna. (11)

A47 TEST OF THE MITCHELL LEE LOOP AMPLIFIER. Mark Connelly. A new low impedance input, 3-transistor amplifier used with series tuned loops is detailed, along with improvement ideas. (6)

A48 YAD ANTENNA GIZMO Jerry Starr: A simple-to-build antenna switching device. Will ground the antenna not in use while using the other; designed for 2 antennas. (9)

A50 COMPUTER-AIDED ANTENNA TUNER DESIGN. Mark Connelly. This BASIC computer program determines which component values are used in your antenna tuner. Tuner schematics included. (7)

A53 IMPORTANT LOOP, TUNER AND PHASER DESIGN CONSIDERATIONS (“Q” DEMYSTIFIED). Mark Connelly, Technical article. The importance of “Q” and a BASIC program to find antenna tuner component values in light of the “Q” factor. (7)

A54 THE MITCHELL LEE AMPLIFIER: TWO TUNER IMPLEMENTATIONS. Mark Connelly. Technical article. Tuner circuits using this amplifier. Reference also A47. (5)


A56 MICRO-MWT-4A LOOP VS WIRE PHASER. Mark Connelly. Technical Construction Article. (10)

A59 LIL-1. Dallas Lankford. Construction plans for a new circuit for combining a loop and inverted L antenna to generate a cardioid pattern. (3)

A60 MEDIUM WAVE, A PRACTICAL APPROACH. Graham Maynard. This is a consolidation of articles that were first published by the Medium Wave Circle of England. It outlines the authors construction of his MW DX receiving set-up. (12)

A61 MWT-5 PHASING UNIT. Mark Connelly. The latest the series of Phasing Units. Construction article. (11)

A62 MINI MWT-5X A SIMPLE PHASING UNIT. Mark Connelly. Construction article. Similar to the MWT-5. (11)

A63 RIBBON CABLE LOOPS. Mark Connelly. A new loop concept. (5)

A64 QUANTUM LOOP Gerry Thomas & Mark Connelly. A new ferrite core loop. Reviewed and modified. (9)

A66 SUPER BOOSTER BAR. Gerry Thomas. For portable receivers. (2)

A67 BUF-A AMPLIFIER. Mark Connelly. A building block for many Connelly construction projects. (9)

A68 HIGH PERFORMANCE LOOP AMPLIFIER. Dallas Lankford (6)

A69 NOISE AND INTERFERENCE REDUCING ANTENAS. Mark Connelly. Construction and use of two similar series of phasing units. (25)

A70 REMOTELY TUNED LOOP RTL-1 & RTL-1A. Mark Connelly. Also Contains the latest BBA-CI Amplifier Card. (20)

A73 THE MWT-2 PHASER. Mark Connelly (5)

A75 BEVMATCHER. A broadband Antenna Matching and combining Unit. Mark Connelly. (8)

A76 THE RTU-1. Mark Connelly. A remote tuning unit for active antennas. (11)

A77 COUPLER & UPGRades for the Quantum Loop. G. Thomas (2)

A79 SUPER MWT-5 PHASING UNIT. M. Connelly. Upgrade of Reprint A61. (16)

A80 ANOTHER LOOK AT NOISE REDUCING ANTENNAS by Mark Connelly. (3)

A81 ONE CHIP ACTIVE ANTENNAS by Mark Connelly (3)

A82 THE RTL-2 REMOTELY TUNED LOOP by Mark Connelly (24)
A10 Coupling an external loop antenna to the DX-390 receiver by Hans K. Schellenberg (1)
A10 Is your coaxial lead-in actually an antenna? by John Bryant (2)
A11 A Beverage on the Beach: by Ric Cenci (3)
A11 Testing Two (KAZ) Squashed Delta Antennas: by John Bryant A comparison of the (KAZ), the (Super KAZ), and the (K4AY) Antennas (4)
A11 Pennant and KAZ Antennas Tests by Mark Connelly More comparative testing. (4)
A13 Pennant Antenna Review and Impressions by Ken Alexander An independent test from Ontario. (5)
A14 Fabricating Impedance Transformers for Receiving Antennas by John Bryant (4)
A15 DXP-2 DXpedition Phasing Unit by Mark Connelly (7)
A16 DXP-3 DXpedition Phasing Unit by Mark Connelly (7)
A17 3 Loop Antenna array w/electrically-rotated nulling by Mark Connelly (4)

DOMESTIC DX

D2 IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS. J. Murley and R. Schiller respectively. Article on the station’s attitude toward reception reports and veteran DX’er Schiller’s tips on how to get on the air. (1)
D3 THE DX TEST FROM A STATION’S VIEWPOINT. Bill Coghlan. Hints from a broadcaster arranging DX tests and obtaining more verifications. (1)
D4 WHAT IS A SUNRISE AUTHORIZATION? R. J. Edwards. An explanation of para’s. (3)
D5 LONG DISTANCE RECEPTION OF DX TESTS. F. Dailey. Proven techniques. (1)
D6 MAKING THE BEST OUT OF PREPARED-CARD VORIES. Kent Andrews. The vere collector’s last resort, with numerous samples. (3)
D9 THE NSP SITUATION. J. Starr. A look at this problem from the broadcaster’s side of the fence. (1)
D10 DX FROM THE TWILIGHT ZONE. P. Sullivan. Sunrise and Sunset Skip explained (4)
D11 GRAVEYARD DX, R. Foxworth, with additions by M. Levinton. DX’ing the local channels with results. (5)
D12 CANADIAN FAMILY LIFE…IT’S TWINS. J. Oldfield. Explains station “families” in Canada. List of Station groupings as of 1980 (3)
D13 THE POST-SUNSET AUTHORITY. A DAYTIMER’S DILEMMA Jerry Starr. A discussion on “PSSAY”. (4)
D16 SUNRISE SKIP. R. Kramer. Practical how to info. Includes pre-sunrise authorities (psra), station allowing clear channels and auroral effects. (7)
D17 THE WORLDS HIGHEST-POWERED STATIONS. Mike Burden. From Radio Luxembourg’s 1933 50kW transmitter to the mega-watts of today, includes WLO, Dobrinkley, and more. (13)

D18 QSL’ING THE LOCALS. Skip Arey. Extracting veries from your local stations. (1)
D19 HOW TO “UP” YOUR TOTALS! John J. Rieger. An antidote to “DX burnout” and proof that there is DX after the first 1000 catches! (3)
D20 WHO’S ON FIRST? Bruce Conti. Who was the first broadcasting station in history? (4)
D21 WHAT MAKES FOR A DX TEST? Wayne Heinlen. A look at what happens at a radio station during a DX test (1)
D22 FORMAT FUTURES. Chris Coomar. What radio format do you think will be the most popular in the 1990’s? (2)
D23 SATELLITE PROGRAMMING. Ed Ryan. A look at how it works, (2)
D25 A SEVENTEEN-POINT PLAN FOR AN IMPROVEMENT. Doug Smith. A fix to the AM broadcasting service as we know it? (3)
D26 ONCE UPON A TIME. Ben Dunderfield. What hap-pened years ago in DX, the NRC, and the world? 1963 was an amazing year. (3)
D27 THE STEVENSON LOG. Gene Martin. The verie
D28 DXING FROM THE WEST COAST. Guy Kuclemyer. Becoming a pro at catching stations at sunset (6)
D29 DXing Tips using Satellite Services. D. Schmidt (2)
D30 TRAVELERS INFORMATION STATIONS. Rules and Regulations governing these numerous low-power broadcats. (3)
D32 U. S. A. DIGITAL RADIO (IN-BAND, ON-CHANNEL). Official descriptions. (6)
D33 BAD WEATHER! USE IT TO YOUR ADVANTAGE. by Dave Schmidt. (2)
D34 PCIe ON THE MEDIUM OR HIGH FREQUENCY-SEAS (AND NOT WALK THE PLANK) by John D. Bowker. (5)

FOREIGN DX

F1 DXING CENTRAL SOUTH AMERICA AND THE CARIBBEAN. Mark Connelly. Listings, by frequency, of the best bets from these areas, along with the original Connelly, DeLorenzo’s, Karazas articles from the Caribbean. (9)
F2 TA TIPS FOR BEGINNER. Dave Voit. Your first Trans-Atlantic receptions (2)
F3 PORTUGUESE FOR DX’ERS. R. Schatz. Describes the important features of this language. (2)
F4 DX’ERS GUIDE TO SUNRISE-SUNSET TIMES. Mark Connelly. Reference to SRS-SST times with extensive tables for many locations. (4)
F5 HUNTING LATINS WITH MUSIC. R. Schatz. Describes types of LA music from various countries and how to ID stations using this information. (5)
F6 ZONAL-ANALYSIS APPROACH TO TA DX. Mark Connelly. A systematic method of grouping TA countries to help the DX’er recognize different types of openings and improve TA reception. (4)
F7 ZONAL-ANALYSIS APPROACH TO PAN-AMERICAN DX. Mark Connelly. Similar to F6, with the emphasis on the Eastern United States. Loggings of LA and South American stations. (5)
F8 STATION IDENTIFICATION. Tips on how to ID stations in nearly 50 languages! (2)
F9 SOME EASY TA’S. Dallas Lankford. (2)
F10 ID’ING JAPANESE BROADCAST STATIONS. Charles Taylor. Hints to help, without actually knowing the language! (2)
F12 COMMERCIAL TA DX STRATEGY. Mark Connelly. Practical hints are given for hearing Trans-stations. (2)
F13 THE ODDS ON EVEN TA’S. Mark Connelly. The possibility of hearing TA’s on channels shared with domestic stations. (10)
F14 YOUR FIRST 30 COUNTRIES IN ENGLISH. Mark Connelly. Listed by country. (3)
F15 CARIBBEAN MW DX GUIDE. Mark Connelly. Listed by country. (4)

HOBBY REFERENCE LISTS

Some reprints formerly in this section are found in Station Location Mapbook (SLM)

HRL1 National Radio Club Common Abbreviations List (6)
HRL2 Cuban Medium-Wave Broadcast Stations (This list recently revised) (4)
HRL3 U.S. Postal Service 3 digit ZIP codes (2)
HRL4 North American Time Zones to UTC Conversion Chart. (1)
HRL5 Frequency and Power Relationship Chart. Shows average coverage radius for various powers at BCB frequencies. (1)
HRL6 NC Countries List edited by Al Merritt (2)

MISCELLANEOUS ARTICLES

M1 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH? M. Levintow. Describes the important features of this language. (2)
M2 MODULATION ARCING J. Starr. Describes a frequent but rarely discussed cause of medium wave interference originating at the station. (1)
M3 SUNRISE-SUNSET TABLES. G.P. Nelson. These charts allow determination of accurate time of sunset and sunrise at any point in the world on any date. (9)
M4 RF INTERFERENCE AND THE HOME COMPUTER. Bill Krause, ANARC. Home computers will cause interference on your DX rig unless precaution are taken, solutions are discussed. (2)
M5 UNRESTRICTED RADIATION. G.P. Nelson. Discussion of carrier current stations and how to hear of U. S. Radio including the oldest and most recent. (3)
M6 RF INTERFERENCE AND THE HOME COMPUTER. Bill Krause, ANARC. Home computers will cause interference on your DX rig unless precaution are taken, solutions are discussed. (2)
M7 PATTERNS, PARTS I, II, III, IV, V. R. Crabill, Jr. Describes a various types of patterns produced by different antennas. (2)
M8 PORTUGUESE FOR DX’ERS. R. Schatz. Describes types of LA music from various countries and how to ID stations using this information. (5)
M9 ZONAL-ANALYSIS APPROACH TO TA DX. Mark Connelly. A systematic method of grouping TA countries to help the DX’er recognize different types of openings and improve TA reception. (4)
M10 SUPERMODULATION AND EFFECTS ON DX’ING. Steve Kennedy. Discussion of the problem and its affect on DX’ing. (3)
M11 TERRAIN CHARTS FOR PROPAGATION PREDICTIONS. M. Connelly. This article details how to prepare a chart of a DX’er’s surrounding terrain which can help enhance or diminish reception. (3)
M12 NOISE LEVELS AND USABLE RECEIVER SENSITIVITY. C. Hutton. Technical Discussion of the effect of noise on receiver sensitivity. (5)
M13 GREAT CIRCLE CALCULATIONS REVISITED. Mike Tuggle, with an addendum by R.N. Allen. An explanation, how to figure distance and direction of stations mathematically, with a computer program to figure the Great Circle paths. (4)
M15 SOME THOUGHTS ON INTERFERENCE. Skip Arey. A simple modification to eliminate noise from light dimmers. (1)
M16 MANMADE INTERFERENCE ON THE BCB. Dallas Lankford. A systematic approach for evaluating a current or future DXing location in terms of man-made noise levels. (3)
M20 THE LOG-BOOK. John J. Rieger. Organizing your log book. (3)
M23 WBWIM RADIO: YESTERDAY AND TODAY. Chuck Schaden. A book review (1)
M25 MUSIC IN THE AIR, by Philip K. Eberly. Reviewed by Armand Hauser. (4)
M31 ALL ABOUT WAVELENGTH. John D. Bowker. Why does wavelength have meaning? (2)
M32 STANDARDS TIME AND FREQUENCY. by Pete Kemp. Time and frequency stations located on longwave. List by frequency. (3)
M33 AM RADIO IN HIGH FIDELITY. John D. Bowker. Why do some AM stations sound so bad and what can be done to fix it. (1)
M37 NOISE Some Causes and Some Cures. Wayne Heinlen (4)
M39 FOUR SOFTWARE PIECES FOR MW DX’ERS. G. Kuclemyer. Review of programs for Macintosh Computer Owners. (6)
M40 PIONEER BROADCASTING STATIONS IN THE US. Thomas White. A comprehensive history of U. S. Radio including the oldest and most recent stations. (12)
M41 RFI FROM HOUSEHOLD ELECTRONICS by Perry Crabill, Jr (2)
M42 AN INTRODUCTION TO LONGWAVE DXING by Shawn Axelrod (3)
M43 HOW TO RECORD IN THE 21ST CENTURY by R. Charles Rippel. Discussion of the differences between modern recording methods. (3)
M44 A useful little timer for DX’ing by Rick Kennelly (1)
M45 An Audio Switching network by John Bryant (3)
PROPAGATION
P2 SOLAR CONTROL OF ODAWN-BLANKETING ON THE BCB. G. P. Nelson. Explains how the position of the sun controls the fadeout time of TA's and TP's. (3)
P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM. G. P. Nelson. Explains how the sun controls the fade-in times for BCB stations. (4)
P4 SUMMER RECEPTION ON THE BROADCAST BAND. G. P. Nelson. First article discussing the seasonal pattern in solar terminator location which makes summer reception from deep South America and Africa possible. (3)
P5 MEDIUM-WAVE OCCULTATION OF THE SUN. R. J. Edwards. Short-term variations in medium-wave propagation at MW frequencies and their relation to weather conditions. (7)
P6 AURORAL EFFECTS ON MW PROPAGATION. P. Dinning. A discussion of how the geomagnetic and auroral activities control propagation at frequencies above 20 MHz. (6)
P7 THE AURORA OF NOVEMBER 6-9, 1970. G. P. Nelson. Traces the auroral activity from its origin on the sun to its effect on MW reception. (3)
P8 COMPARATIVE MEASUREMENTS OF MAGNETIC INDICES. R. J. Edwards. A three month comparison of A-index measurements as reported by five major observatories as they relate to each other. (3)
P9 SKYWAVE OR GROUNDWAVE RECEPTION? G. P. Nelson. How to tell whether the signals from a station are arriving via ground wave, skywave, or both. (3)
P10 A BEGINNER'S GUIDE TO THE IONOSPHERE. R. J. Edwards. An explanation of the processes which cause the ionosphere and how the existence of these processes can be detected by radio. (5)
P11 THE LIMITS OF MIDWINTER DX. G. P. Nelson. A comprehensive article discussing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours. (6)
P12 LIMITATION ON THE USE OF THE A-INDEX. G. P. Nelson. An explanation of the A-index as a DX'er's tool. (3)
P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY. G. P. Nelson. Describes research into the effects of the aurora on MW propagation. (8)
P14 SKYLINE BLOCKAGE Fr. Jack Pejza. A mathematical derivation of the formulas needed to calculate the effect which terrain has on signals. (10)
P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY G. P. Nelson. Takes into account the possibility of signal propagation by some less common modes which are subject to blocking by the horizon. (9)
P16 HORIZON BLOCKAGE: CAN FREQUENCY DIFFRACTION BE IGNORED? G. P. Nelson. This article shows how signals that should be blocked by the horizon can sometimes be heard. (10)
P17 TRANS-SOLAR DX RECEPTION R. J. Edmunds. This technical article describes the reception of solar signals by trans-solar techniques in central and eastern Asiatic stations at sunset in North America. (27)
P18 OBSERVATIONS OF TRANS-ATLANTIC MW RADIO SIGNALS. C. W. Bailey. The results of a lengthy survey of TA receptions made over a one-year period. (3)
P19 PROPAGATION AT MW FREQUENCIES. P. Sullivan. Discusses some aspects of the factors which control propagation in the MW band. (9)
P20 FACTORS OF MW PROPAGATION. P. Dinning. Description of the nature of MW propagation. (6)
P21 DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS. R. J. Edwards. A discussion of some of the propagation factors that affect domestic reception. (1)
P22 REVIEW OF SOLAR ACTIVITY FOR THE MW DX'ER R. J. Edmunds. An explanation of the Fredericksburg A-index as well as its use in the hobby. (2)
P23 MEDIUM WAVE IONOSPHERIC PROPAGATION PLUS THE SEQUOIL R. Schatz. These articles take a different approach to propagation and presents new terms and theory. (9)
P24 TERMINATOR TRANSIT MECHANISMS R. Schatz. Parts I, II, III, IV and IV-A of a series which the author states features practical techniques to hear new stations; techniques never before available. (3)
P25 SUNSPOT CYCLE 21 - THE PEAK - HOW MUCH AND WHEN. O. Oklehen, H. R. REPORT. This article, through careful predictions, shows how the peak in solar activity will be one of the most significant in recent history. Includes additional comments by R. J. Edwards. (3)
P26 ATMOSPHERIC AND GALACTIC NOISE ON THE BCB. Dallas Lankford. A discussion of the amounts of various types of noise, Compared to received noise. (9)
P27 ON THE NATURE OF SCIENCE AND THEORIES OF BCMB PROPAGATION. Dallas Lankford. Description of several theories, concentrating on the controversy concerning the degree of the arrival angle of signals propagated over long distances. (3)
P28 DXING THE 1984 SOLAR ECLIPSE. Gerry Thomas. Describes DX'er's experiences during this rare DXing opportunity. (3)
P29 ON OBOLIQUE PROPAGATION. Dallas Lankford. Very technical discussion on the theory of oblique incidence nighttime ionosphere at BCMB frequencies. (12)
P30 MEDIUM-WAVE OBOLIQUE PROPAGATION - ANOTHER VIEW. Randall J. Seaver. Some different interpretations are presented on this subject, as well as examples of MW propagation analysis using the Knight-Wave-Hop method. (9)
P31 RELATIONSHIPS BETWEEN SOLAR ACTIVITY, THE EARTH'S MAGNETIC FIELD, AND MW DXING. Randy Seaver. General characteristics of geophysical phenomena are addressed, in order to understand relationships between solar activity, the geomagnetic field, and high-latitude DX. (15)
P32 SEA GAIN. Randy Seaver. A discussion of the propagation phenomena. (11)
P33 M.F. PROPAGATION: A WAVE-HOP METHOD FOR THE PRODUCTION OF FIELD STRENGTH PREDICTION. P. Knight. A method for calculating the strength of medium-wave frequency sky-wave signals at night. (9)
P34 BEAMING THE DELUXE+ GREAT CIRCLE BEARING DISTANCE COMPUTER PROGRAM. Mark Connelly. A "basic" computer program. (6)
P35 THE EFFECTS OF WEATHER ON THE IONOSPHERE. Jack Woods. A discussion on circuitry to enable the Experimenter to build a weather and MW propagation. (2)
P36 GROUND WAVE. SKY WAVE. John D. Bowker. A simple explanation of these terms. (1)
P40 TRACKING THE 1994 SOLAR ECLIPSE BY RADIO by Ken Chatterton (3)

RECEIVING EQUIPMENT AND TECHNIQUES
Some articles previously in this section are available in "The Challenging Crystal Set" by Jack Woods. (1)

R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REJECTION. R. W. A. Brown. Some DX'ers hear spurious signals or other interference on the BCB. How do you filter them out? (3)
R2 THE LYNODYNE CRYSTAL WIRELESS RECEIVER. R. W. Tuggle. The concepts of vintage crystal radio are incorporated in these construction plans for a simple receiver, offered as a sporting alternative to modern receivers; yet it has the potential for real DX. (4)
R3 DIVERSITY RECEPTION. C. Hutton. Using more than one antenna and receiver in an effort to reduce fading and interference on one frequency. (1)
R4 TIPS ON RXING. R. J. Edwards. This technical article explains that sensitivity and selectivity are the only, nor the most important, considerations in a receiver. (6)
R5 R25 STRONG SIGNAL HANDLING. R. W. A. Brown. Some change on radio wave propagation. (10)
R6 RECORDER JACKS FOR RECEIVERS. Dave Arbaugh. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver. (1)
R7 TAPE RECORDING HINTS. Mark Connelly. A complete method of radio-to-tape interfacing for portable radios is detailed, complete with schematics and parts lists for construction. (4)
R8 CONVERTING THE R-390A POWER SUPPLY TO SOLID STATE. Charles Taylor. A conversion process to change the older high voltage tubes to solid state diodes is described step-by-step. (7)
R10 CROOKS-DYMEK DP-40 PRESELECTOR. R. Foxworth. A non-technical description of this useful filter accessory, plus some modifications to improve its performance. (2)
R11 THE SUPER HQ-180. Dallas Lankford. Add a Collins mechanical filter to your "180". While not a "how-to" article, problems and results are discussed. (4)
R52 YET ANOTHER ALIGNMENT WITHOUT A 60 KHz SOURCE. Dallas Lankford. Although most RF signal generators do not tune below 100 KHz., the HQ-180A's 60 KHz IF can be aligned with a 455 KHz RF source. (4)

R53 R-390A/URR PTO ALIGNMENT. Dallas Lankford. The alignment procedure to achieve exact end-point alignment in the R-390A PTO tuning is detailed. See R33. (4)

R34 INSIDE THE R390A PTO. Dallas Lankford. An in-depth analysis that explores the PTO tuning in the R-390A and shows how to improve its performance up to specifications. See R33. (4)

R35 THE R-390A ON LONGWAVE. Craig Healy. A simple and inexpensive method to modify the R-390A receiver to extend its reception to LWB. A comprehensive technical review. (10)

R36 MORE COLLINS 514 TECHNICAL NOTES. Dallas Lankford. A continuation of Reprints R 54 and R 55 (4)

R37 COLLINS R390A THE WORLD'S BEST RECEIVER. G.S. Maday. This review gets into the details of another fine DEX receiver. Technical. (6)

R38 A SIMPLe HIGH-PASS AF FILTER. Gerry Thomas. Hear those "in-the-mud" stations better on that speaker! (1)

R39 R-500 MODIFICATIONS. Eric Roskos via Peter Kemp. (3)

R60 COMMENTS ON G. MAYNARD'S SENSITIVITY TEST. Dallas Lankford. A非 technical review of the test. (3)

R66 R-390A AGC MODS. Dallas Lankford. Technical. (4)

R67 R-390A KHz FILTERS FOR THE HP-180. Dallas Lankford. How to use Collins DB filters in your HP-180. (2)

R68 R-390A AUDIO OUTPUT IMPEDANCE MATCHING. Dallas Lankford. Improve the audio quality of your R-390A. (2)

R69 COLLINS R390A - THE ORIGINAL "WORLD'S BEST" RECEIVER. Graham Maynard. More tips and modifications. (7)

R70 NR-525 AGC Mod. & AGC Mod 2 Dallas Lankford (6)

R71 DRAKE R-8 MW ATTENUATOR MOD. Dallas Lankford. (11)

R72 MODIFICATIONS FOR THE NR-525. John R. Tow (5)

R73 HOTRODDING THE RADIO SHACK 12-625. Ray Cole (1)

R74 COLLINS TORSION MECHANICAL FILTER FOR THE R-390A. D. Lankford (7)

R75 DRAKE R-8 TYPE B SPURS ELIMINATION. D. Lankford (3)

R76 DRAKE R-4 INCREASED DYNAMIC RANGE. D. Lankford (4)

R77 MODIFICATIONS FOR THE SANGEAN ATS-803A. G. Maynard (3)

R78 IMPROVEMENTS TO REGENERATIVE RECEIVER DESIGN by Mark Connolly (2)

R79 R-390A DON'T TURN OFF AGAIN! (?) by Dallas Lankford (2)

R80 NR-525 FILTER MODS by Dallas Lankford (7)

R81 DRAKE R-8: ENCODER SHAFT STATIC ELIMINATION. by Dallas Lankford (1)

R82 DRAKE R-8: LOW HEADPHONE VOLUME KNOWN VICTORY. by Dallas Lankford. Cures for Same! (1)

R83 RACAL RA6790GM NOISE BLANKER NOTES by Dallas Lankford. (6)

R84 DRAKE R8 MORE ON IMPROVING IMAGE REJECTION by Dallas Lankford (3)

R85 R-390A FILTER MOD #3 by Dallas Lankford (5)

R86 Drake R8: More on improving image rejection by Dallas Lankford (3)

R87 Adding an AM FET Frontend to your low-priced portable by Jeff Sparks (4)

RECEIVER REVIEWS

R88 RECEIVER COMPARISONS - WHAT DO THEY MEAN? R. J. Edwards. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX. (2)


R93 DRAKE R-7-A REVISITED. Craig Healy. Reviewed and compared to the R-7A. (2)

R96 BB-200X SYNTHESIZER. M. Hare. (2)

R88 MCKAY-DYMEK DR-22 J. Clements. A non-technical pre-production review. (3)

R99 ICOM IC-R70 COMMUNICATIONS RECEIVER. Vincent Pinto. An in-depth technical review of the ICOM IC-R70. (7)

R95 THE GE SUPERADIO-CASSETTE. Michael Sapp. The GE Superadio with an integral tape recorder. (4)

R93 THE SONY SRF-A100. Greg Monti and Albert S. Lobel. Two looks at this AM-stereo portable receiver. (5)

R94 THE ICOM IC-R7A RECEIVER - From the Australian DX CALLING Magazine. User review with commentary. (7)

R95 UNIDEN CR-2021 VS. SONY ICF-6500W. Gerry Thomas. A Comparison. (3)

R96 NRD515 Review by Bob Foxworth. (7)

R98 SURVEY OF HAMMARLUND RECEIVERS. Dallas Lankford. A summary of the full line of Hammarlund receivers suitable for BCB DX, with comparisons,modifications and hints when purchasing one. (7)

R99 KENWOOD R-500. Don Moman. Includes performance results against the ICOM R71 and SONY ICF-1050. (7)

R92 THE GE SUPERADIO-PULS Dick Trux. User first impressions and opinions. (1)

R91 THE COLLINS 514 GENERAL COVERAGE RECEIVER, Fritz Mellberg. (2)

R92 DENON AM-FM TUNER, MODEL TU-800. Doug Allen. A great radio for FM DXing! (2)

R93 ICOM IC-R70, A QUICK REVIEW. John J. Rieger. Non-technical review. (2)

R95 REALISTIC 12-625 Ray Cole, Paul Swearingen, Cesar Olivo. (4)

R98 REALISTIC DX-440 VS SONY ICF-100. Mark Connelly. An MW DX evaluation of these two portable receivers. (2)

R99 DRAKE R-8 Reviews by Rob Keeney, John Tow, Dallas Lankford and Ronald Hunsicker. (18)

R930 GE SUPERADIO III, Gerry Thomas (2)

R931 THE NRD 525 - A TECHNICAL REVIEW. D. Lankford (7)

R932 NRD-525 FILTER LEAKAGE. Continuation of R931. (2)

R933 RECEIVER SHOWDOWN Comparing ICOM R-9000, R-7111 / JRC NR-525D / Drake R-8 and Collins R-390A by George Thomas (6)

R934 THE DENON TU-680 NAB “SUPER RADIO” (2)

R935 RA 6790GM. A REVIEW. Dallas Lankford - 1993 (8)

R936 SONY SRF-42 AM STEREO WALKMAN REVIEW. Frank Allen, Jr (1)

R937 PANASONIC RQ-V60 REVIEW. John Hanz. (1)

R938 RAMSEY AM-1 TRANSMITTER KIT - REVIEW. Christopher Cuomo. (3)

R939 REVIEW OF THE SANGEAN CC RADIO. Paul Swearingen et al. (6)

R940 AOR - AR 7030 Receiver review by Guy Atkins (13)

R941 THE HENRY KLOSS MODEL ONE RADIO Receiver review by Philip Martuccio (1)

R942 A Review of the Sangean ATS-505 by Russ Johnson (1)

R943 The Palstar R30 General Coverage Receiver by Gerry Thomas. A review from a MW Detectors viewpoint. (8)

Facts About NRC’s DX Audio Service

The DX Audio Service provides the only monthly broadcast news cassette service to the DX community. Available toDXers worldwide, it is designed to inform the radio listener about the latest DX information and the latest DX developments. The announcers on the service are professional broadcasters giving their free time to give the listener the finest service available.

DXers subscribe to broadcast information, both AM and FM, to the visually-handicapped DX listener. It has evolved into a service which provides useful material to all types of listeners. Many subscribers listen to the tape to and from their place of work while driving. Features include not only news about DX, but also airchecks from DXCA DXers, DXQSL, frequency scans, and other items.

A one-year subscription is only $28. Sample 15-minute copy: $2.00; back issues of DAX: $3.

Cassettes are mailed by First Class mail, or about the 20th of the month. For information, subscriptions, renewals, back and sample copies: write to DX Audio Service - P.O. Box 164 - Mansfield, NY 14758-0164
“This is KDKA of the Westinghouse Electric and Manufacturing Company in East Pittsburgh, Pennsylvania. We shall now broadcast the election returns.” Then the music begins and builds from Richard Strauss’ “Also Sprach Zarathustra” with the first movement, “Thus Spake Zarathustra”, also known as the theme from the movie, “2001, A Space Odyssey.” In between the crescendos, this passage was read, “Thus Spake Zarathustra” of the first radio broadcast station of the world and that first voice 80 years ago ... to the voices of today and beyond, to preserve our community’s achievement and recognize all who shall be known ... the National Radio Club and the DX Audio Service present ... Pittsburgh 2001, A Radio Odyssey!”

Thus, on Friday, August 31 at 8 PM, our official greeting was played and read to commence this year’s 2001 convention. We thank member Bonnie Starr whose idea from one year ago at Lima 2000 was to create our slogan and inspiration for this year.

In a way, KDKA’s first official broadcast on November 2, 1920, Pittsburgh has become a ‘radio odyssey’. Though many cities in the US have several great radio stations, Pittsburghers take pride to know we have KDKA and other fine stations. On behalf of all those involved, I tried to how our best side with tours of various stations. For their efforts and permission, we thank KDKA’s Greg Jena, WJAS/ WPTT/WSHH’s Phil Lenz, and WQED’s Paul Johnston for their cooperation on these tours. The connections are that KDKA was the first, WJAS is almost as old as KDKA and DX er-friendly, and WQED is community minded and the first public TV station in America. In all I hoped to provide an entertaining, enjoyable, and informative convention.

The excitement during most activities to the tour hosts involved, I think that was accomplished. Through our contacts, two media services provided some mementos. From the August 8th Post-Gazette, staff writer Adrian McCoy wrote information while KDKA TV’s Community Reporter Dave Crawley arranged for a camera and a 20-second segment during Friday August 31st’s 5 to 6 PM news!

There were other features for our convention. With a creative idea, I was able to design a special commemorative 2001 Odyssey shirt and magnet. In the colors of black and gold to honor our football teams, the shirts had a radio antenna with spiraling waves. Inside the outer covers were listed according to the earliest on air date beginning with KDKA, KQV, etc. As a promotion, the magnet was designed in the shape of an old radio and the Top Ola. Box 5711 as a contact. The magnets were enclosed free in the 13 piece ‘goodie’ bag and the shirts sold for $10 with 31 being sold. My hopes are that you’ll be able to acquire both of these through NKC business processing, and recommendations. They are two of the finest people you’d ever want to know. And so, thanks for your help and/or donations. My sincerest thanks and wishes start with John and Linda Bowker for their assistance with registration, name tags, audio recording, auction fund processing, and recommendations. They are two of the finest people you’d ever want to know. And so, thanks for your help and/or donations. My sincerest thanks and wishes start with John and Linda Bowker for their assistance with registration, name tags, audio recording, auction fund processing, and recommendations. They are two of the finest people you’d ever want to know. And so, thanks for your help and/or donations. My sincerest thanks and wishes start with John and Linda Bowker for their assistance with registration, name tags, audio recording, auction fund processing, and recommendations. They are two of the finest people you’d ever want to know.

Now on with the show! Our first day, Friday August 31st, opened with registration that began at 10 AM in the Edgar Thomson Room. The room is named for a local industrialist whose name also appears for the USS. Works in Braddock, PA. Of note, we also wish to thank the Pittsburgh Greentree Radisson for their fine hotel, food, and assistance. Special thanks go to my co-ordinator Convention Services Director, Ruth Ann Ryan, Bell Captain Bob Bibbels, and Front Office Manager Colleen Bach! By 12:30 PM and with arrangements with the Radisson courtesy van, 10 members were taken to KDKA-1020 at One Gateway Center downtown off Ft. Duquesne Blvd. near Point State Park.

Upon our arrival we were greeted by a TV 2 cameraman for the video during the late afternoon news! During our visit, we also met Program Director P.J. Kumanchik, and News Reporter Michael Whiteley! Thanks KDKA for a great visit!

The KDKA tour, which lasted almost one-and-a-half hours, ended with two significant events and a third if I planned to make some remarks. The first was a special group photo outside Gateway yard. Thirteen members stood in front of a Pennsylvania Historical and Museum Commission plaque dated 1990 which read, “RADIO STATION KDKA World’s first commercial station began operating November 2, 1920, when KDKA reported Harding-Cox election returns from a makeshift studio at the East Pittsburgh Works of Westinghouse. Music, sports, talks, and special events were soon being regularly aired.” The second was a thunderstorm which just started as we climbed back aboard the Radisson courtesy van with Joe as our driver! The third and unplanned event would have been to honor the plaque laid into the sidewalk at Gateway - One and KDKA’s employee entrance which stated, “Pittsburgh’s Radio Station KDKA AM 1020 KDKA Radio Time Capsule Commemorating the 80th Anniversary of the World’s First Radio Station Placed: November 2, 2000 Open: November 2, 2050.” Special significance for myself as I did attend that historic placing of the new capsule and opening of the old one from 1970. It was also with Greg and many KDKA Radio personalities at that event. Of note during our visit, Greg Jena did mention a special announcement would be forthcoming on Thursday morning, September 6, 2001 when morning host John Cigna would yield to a new morning personality. This would also be mentioned on their website at: www.kdkaradio.com. However Mr. Cigna left half of the mention slip on Tuesday, the 4th that he would cut back and Thursday we found out it was KDKA TV personality Larry Richert that would take over.

Upon returning to Radisson, we would take cover from the downpour only to get soaked away for our next event! At 3 PM a visit was arranged with Engineering Manager Phil Lenz for Renda Broadcasting Corporation’s WSHH-99.7/WJAS-1320/ WETT-1360 at 900 Pittsburgh Street on the third floor. So while we did need some towels to dry off, Phil was performing some engineering duty in one of the studios and this on his day off! In the meantime, friendly receptionist Robin Walker-Williams and
another employee let us sit in the corporate conference room drinking coffee, tea, and just having a
good time! Eventually Phil, whom I've known for 8 years, came in and talked about all 3 stations. Of
note was the topic I brought up and Phil elaborated on was the eventual move within a year of 320's
2 tower site in the city. Member Scott Fybish also wanted more information to perhaps write a story in
an upcoming Radio World article. Finally making our way to tour all 3 studios, we came upon midday
talk host Doug Hoerth on WPTT which member Mike Lantz had the
to go to because Mike had talked to Doug before when Mr. Hoerth broadcasted in Miami! Even
Mike's dog Lexie was thrilled!
We also met Hank Baughman who works at the stations and "Wish"
midday host Dan Dunlap. The pro-
grams for each station are as follows, WJAS with nostalgia and live up to
3 PM, WPTT with local talk, now
"The Point," or "get to the point",
and WSHH with adult contempo-
rary.
Friday evening August 31st had
three events, two planned and one
just arranged that week. Returning
from WJAS thanking Phil, Robin, Dan and everyone, a short carpool
trip ended just a few minutes ahead of
a 5:05 PM tasty Pietro's pizza
party! Six extra large pizzas were ordered, 96 cuts, and
within 30 minutes only 2 were left! (And after
Paul Swearingen finally arrived after chasing
lost baggage, none remained; cold or not.) I guess
they were mmmm good! I arranged through
Pietro's which is about 3 miles away because of
the owner Pete who became a friend and was son-
in-law to local oldie personality "Mad Mike"
Metrosich who passed away almost one year ago October 31. Thanks to Pete for the fine pizza and
thanks next to Ken Young, Board Member and rep-
resentative of PARS (Pittsburgh Antique Radio So-
ciety) who gave a fine talk on our local club, which
collects and organizes old tube radios and keeps the
history of Pittsburgh radio alive. I arranged Ken's
visit through PARS President Bonnie Novak who
wasn't able to come, but offered for us Ken's visit
and within 30 minutes only 2 were left! (And af-
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store. There were enough funds to do this, but not save the house except for some mantel pieces and other small items. In this month of August, 2001, the National Geographic Channel was in Pittsburgh to document this garage saving event and interview Ms. Donnelly for a special to air on their channel on November 2, 2001, the 81st birthday of KDKA. We do hope any or all our members will tune in to hear this story. Thus the "Conrad Project" continues in the efforts that someday a museum will be created for the garage! Rick's presentation was enthusiastically received by the members and he has let it be known that I will be his direct contact for the NRC if any new information for the 'Conrad Project' is updated. We had hoped to record Mr. Harris' presentation, but due to copyright designation, this did not occur. Once again as Jack Rogut suggests, "it's a theatre of the mind!" Anyway, thanks Rick and much success to establish a KDKA museum!

With the storm front passed, we began a new month on Saturday, September 1st with bright blue skies. "Ole blue eyes himself", Ben Dangendorf entertained the members and myself with a discussion, "Through the Years Down Memory Lane" describing how it was to be raised and grow up listening to and experiencing early Pittsburgh radio during the 1930's and 40's. Ben's half-hour time limit actually went almost an hour towards 11:30 AM, but it was ours to hear and treasure Ben's untold stories! Thanks, Ben, to all who decided to go on our next venture which was an abbreviated and self-narrated tour of our brand-new home for Pirate baseball, the "jewel of the North Shore", PNC Park. I only allotted 15-20 minutes for a brief walk around the park, as the team's tour department scheduled inside tours only on weekdays. So we saved $60!

We also saved our time as it became well spent upon our next stop in the city's Oakland section and home to our public broadcaster, WQED-89.3/ WQED-13/WQEX-16. Located at 482 Fifth Avenue, our host was Paul Johnston, Community Broadcasters Manager and midday 12-3 PM host on "All Classical 89.3!" As all of the 22 members and guests arrived by car within 15 minutes of each other, we began the tour of the large concrete building. The Bayer Broadcast Center for the Arts', around 1:30 PM. All of the doors except for the back were electronically alarmed, so it became necessary to enter that way. On a personal note, I've greatly enjoyed classical music for over 23 years and have found Mr. Johnston to be a very interesting and informative personality, much like our tour, and rate his "broadcast voice" to be in the "top 5" if not the best locally. Our previous agreement was to have Paul come to the Radson, but this worked even better. On that morning, I was surprised to learn that the station's new building, WQED-17, was doing a remote at a summer festival in Johnstown, PA. Still, it was entertaining for Paul and our members to hear and/or see the stations. Some highlights included Mr. Johnston's description of "Mr. Rodgers' Neighborhood" set for this is the last year for the kind and generous Fred Rogers show produced for children. We also came upon Studio A and B for TV 13 and 16 while downstairs we descended to find 89.3 home of the "original oldies". An impressive record library of old albums and the current music on CD's can be accessed at any time. The station even has a recording studio complete with a baby grand piano. All the equipment is up to date far removed from the day 89.3 signed on January 25, 1973. The stations rely on a paid staff, hundreds of volunteers, and thousands of benefactors through pledge drives 2-3 times a year.

WQED Pittsburgh, the parent company, is nationally-, if not internationally-known, and has under its ownership Pittsburgh magazine, "On Q Magazine", a locally produced TV information show, and has a direct line of contact and records Pittsburgh Symphony broadcasts. 89.3 also produces local recordings of classical music over speakers in the city's three subway stations downtown and at Pittsburgh International Airport.

WQED TV'S producer and writer Rick Sebak has 25 videos of Pittsburgh and statewide places, events, and thematics including his latest, "Something About Oakland" of which the video opens at my cousin's store, "Grocery Merante." I'm in negotiations with Rick to produce 'Something About the NRC!' Anyone can access the FM at www.wqed.org/fm. Our final gathering was a group photo with Paul outside the station, shot by two women walking by (hey, sign 'em up), and in front of the designated plaque, "STATION WQED Television station, located here, opened April 8, 1954, as first community-sponsored educational television station in America. In 1963, it was the first to telecast classes to elementary schools. " Thank you, Paul, and WQED for a 'Bach to reality' tour!

Nearing 3 PM and a scheduled event, plus the enthusiastic interest from member Bruce Coniff, three cars arrived at our next destination, Dr. Conrad's old home. Located about three miles east of WQED in Wilkinsburg, the wrecking ball will come soon for the house as it's to be replaced by a larger Wendy's (Wendy's?) restaurant as the smaller one is across the street. The plaque which was on a pole in front of the house is gone, but I was able to photograph it on July 7 and made a copy in the bulletin on the back page for all attendees. Thus it stated, "FRANK CONRAD (1871-1941) At his garage workshop here in 1919-1920, Conrad made broadcasts over his amateur station, W8XK, which introduced the concept of commercial radio and led to the start of KDKA. For 37 years a Westinghouse engineer, he held over 200 patents.

Now to further satisfy our quest, our odyssey, we headed east about 4 miles on Penn Avenue splitting from route 8 onto Greensburg Pike, a very small sign almost missed by the head vehicle. With Rick Harris' directions, two cars turned right at Perry Street, one block past the yellow brick school office building! While Ernie Wesolowski made the turn one street before. No matter, as Ernie would go back Sunday the 2nd with our publisher Paul Swearingen. For the first time ever, I visited a local site I never knew existed and with little fanfare, but yet as the plaque read, "PIONEER SHORT-WAVE STATION 11:30 PM host on "I paid how much for this KDKA shirt?" Richard Lucas may be thinking as he checks out the size during the annual auction.

Returning to the Radisson, five standard convention events occurred as they do normally, but all important and enjoyable, plus an added one in the late evening. First was the 'state of the union ad-
dressed for the NRC Business Meeting conducted by Paul Swearingen, filling in and doing a commendable talk. Simply put, the NRC is healthy, but dues are going up and the AM Log Book was almost done, but was not released yet, so as always, thanks Wayne Heinen and crew! Next was the group photo in the hotel miniature golf courtyard, the photographer was my friend and Pittsburgh (Hall to Pitt-) college buddy, Dan Emerick!

Next at 6 PM was dinner and musical interludes in the Stephen Foster Room, a buffet style dinner enjoyed by all! Next was our speaker, Scott Fybush, notified just a few minutes earlier, apologies for the unexpected request, but a really informative and enjoyable talk on the current state of radio and satellite radio, thanks Scott! My original guest would have been legendary local personality, Mr. Bill Brant. Bill was in local radio and some TV for 45 years beginning in 1942 at WJPA-1450, WWSW-970, KDKA radio and TV and the forerunner, WTV-3, then finally at WJAS retiring in 1987. Still a musician, Bill had throat surgery a week before and was not allowed to speak. In between, we met a friend of Scott’s, Mr. Ray Rosenblum, a local media broker. Ray buys and sells radio stations and is the son of Wlisc Samuel Rosenblum of WISR-680 Butler. PA thanks for visit Ray and let’s sign him up! Following Scott’s speech, we returned to the Thomson Room for a drawing of 2 door prizes, a 50/50 raffle with $64 won by Ray Arruda, and the always infamous NRC/DXAS Auction! Again, Paul Swearingen served as auctioneer and this host served as the hostess, or assisted Paul! The two-and-a-half hour auction wrapping up around 10:45 PM netted $508.06 and all proceeds have been sent to NRC Treasurer Dick Trux.

Two highlights as Richard Lucas won a KDKA short sleeve with collar shirt and Dave Marthouse of WODY-1230 won the KDKA 80th anniversary CD, plus many people bid a few bucks to win some, “crap!” Following the auction, Curt White hosted a DXpedition outside the hotel.

On a beautiful Sunday morning, September 2, there were several enjoyable events as the exhausted host almost slept through all of them! We began with a delicious NRC/DXAS Breakfast Buffet in the Foster Room which was actually 30 minutes longer past 9:30 AM. The breakfast was followed by the DXAS Travellog hosted by John Bowker in the Thomson Room. Five DXAS members participated plus a potential new member, Paul Blais, made it! The frequency John chose was 6/70.

Next was a Verbal DX Quiz hosted by John and myself which turned out to be too easy for most. Then free time as several members took rides on the Gateway Clipper fleet on Pittsburgh’s 3 rivers. In the meantime, I had hoped to arrange some spaces on “Just Ducky Tours” which narrates a tour of the city from land and water, but this did not occur and my apologies. Later in the day, an impromptu ‘NRC President’s Demo’ by Bruce Conti for an enjoyable session!

Bruce Conti lays antenna wire on the edge of the hotel parking lot in preparation for his phasing demonstration Sunday night.

The approximately 50 2001 NRC convention attendees included the above 33 who participated in the obligatory Saturday evening group shot, followed a few minutes later by the dash for the banquet room.

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See? No problem!
Dave Braun  
dcbran@delanet.com  
863 Allabands Mill Rd.  
Camden Wyoming DE 19934-2132

We continue our look at three highly touted portable receivers this time, as we finish up on the Sony ICF-2010, and begin on the CC Radio. The DX-398 will be spotlighted in future columns.

SONY 2010
Picking up where we left off last time,

David Hochfelder <dchfeld@rci.rutgers.edu>: One question I have... was it difficult to install the Kiwa modules? Do you think it was worth it to install them? I've been thinking about doing that.

Bruce Conti <BACON@iol.com>: If you know how to use a soldering iron, and have PC board repair experience, then it's a piece of cake. I've successfully installed the upgrade in less than optimal local stations, images, spurs, and mixing products.

Dave Braun <dcbraun@delanet.com>: The Kiwa address is http://kiwa.com/ or simply type Kiwa into your search engine and it should get you there. Click on "Filter Modules for Sony ICF-2010/2001D." They sell filter upgrades for a number of popular receivers, budget to high-end.

Rick Dau <rdaui36@yahoo.com>: Rick and Bruce, I've read your posts with interest, since I, too, own an ICF-2010. Since the end of the AM season, I've been giving thought as to whether to keep the 2010 or to pick up a receiver that has better ability to reduce (as much as possible) splatter from local stations, images, spurs, and mixing products.

Among receivers out there on the market, how does the 2010 rank in these categories? I remember Chicago's Bob Kramer writing into DX News about a decade ago and raving about the then-new Kenwood R-5000, saying that it did a masterful job and nearly eliminating splash from his local 50 kW broadcast towers, enabling him to get stations on 660, 680, and 710, among other frequencies. With the possibility of moving to a large (i.e., one with at least 6 AM stations in the market) city looming in the near future for me, I'm interested in acquiring a radio that can cut down on the splash, gets rid of the mixing products, and still manages to reel in the hard-to-hear stations. Is the 2010 a good receiver in accomplishing those feats, or are there radios on the market that are better? I'd love to hold of a rig that does all those things, yet also has a digital readout and features push-button tuning that enables one to leapfrog frequencies (like what the 2010 features). What kinds of advice and suggestions can you give me? I'll throw that question open to all of you reading this.

Frederick R. Vobbe <fredv@nrcdxas.org>: What does it cost to have Kiwa modify the radio, and what exactly is the before/after effect?

Bruce Conti: The result of the Kiwa filter upgrade is improved selectivity. The stock filters in the Sony ICF-2010 are extremely sloppy. The tighter Kiwa filters will improve your chances of hearing transatlantic signals on mediumwave, and remove hets from shortwave signals spaced 5 kHz apart. It's well worth the investment if the Sony ICF-2010 is your primary DX receiver. Visit www.kiwa.com for more info.

Rick Kenneally <woodlandview@yahoo.com>: Fred, Take a look here: http://www.kiwa.com/sony.html. The Kiwa mod replaces one or both of the Sony filters (wide and/or narrow) with filters that have better ultimate selectivity and better shape factors. The wide filter replacement is $20 plus S&H, and the narrow is $50. The narrow is a bit tight for AM DX, but nice for SSB and CW. The wide filter is great, making a noticeable difference in TA reception (I've compared a modified 2010 to an unmodified, and the difference is quite noticeable).

Russ Edmunds <wb2bgj@nrcdxas.org>: OK - I'm confused. Why would the wide filter make a noticeable and positive difference on TA's unless you had signals so strong you were looking for better sound? And are you saying that the narrow filter is too narrow for TA DXing? One would normally think that for TA DX narrowoning would be the way to go so as to reduce splatter from locals, unless, of course, one doesn't have any bad noise.

Rick Kenneally: Russ, The narrow filter, I find, is useful only in extreme circumstances because it cuts so much of the audio. If you could move the passband far enough away from center, so that you were picking up more high-frequency audio, then the narrow filter might be more useful. However, moving that far off center usually causes the sync to lose lock (no surprise - asking a portable to sync 60+ Hz away is extreme).

The Kiwa wide filter, coupled with sync, has a better shape factor than the stock wide filter and much better audio than the stock narrow filter. So to hear France on 1250, I used the wide filter and some of the lower sideband resulting in decent selectivity with good audio. If someone has experience with the Kiwa narrow filter and knows how to get good audio out of it, I'd love to hear about it.

Frederick R. Vobbe: Any degradation to the wideband audio frequency response? How much if any if it?

Bob Galenstein <chgw2vg@mac.net>: I found the Kiwa replacement for the narrow filter works as advertised, but for me, the radio was too muddy to make out ID's in the "muck." So, I placed the Kiwa replacement filter for the wide switch in the Sony's narrow position. Also works as advertised and is a definite improvement over the stock wide filter.

Frederick R. Vobbe: One last question on this. How hard is it for someone with reasonable soldering skills to change this filter?

Mark Durenberger <Mark@durenberger.com>: Not too hard, though you should have a steady hand and a tiny soldering tip as possible.

Bob Galenstein: Fred, If you have "reasonable" soldering skills, you should be fine... just be careful with those surface mount resistors. Use as fine a soldering tip as possible.

Rick Kenneally: Fred, For me, the hardest part was getting the old filter out. Clearing the solder off the old filter's pins enough to extract it gave me some headaches. I used the wide filter first, then someone posted a tip about "pre-tinning" the desolder. That made all the difference, and the second extraction went much easier. Once the old filters are out, it's a snap. Also, if you do the narrow filter mod, pay close attention to the little piece of paper that tells you which wire is which. Because of the heat-shrink tubing they put on the leads from the narrow filter, it isn't obvious what is center and what is shield. Enjoy!

Bruce Conti: I would go with the full upgrade; wide and narrow. You can recover the highs for DX audio, as you can now hear more when you engage it. Typical, this is also how you would force the sync detect to one sideband. For example, if you want to hear France on 792 kHz, with the sync detect engaged, tune slightly higher to force it to select the upper sideband and reduce interference from 790 kHz domestics. With the filters installed, you can still get extra wide audio for program listening simply by not engaging the wide or narrow filters. The narrow filter also improves old-fashioned ECSS reception using the upper or lower sideband modes.

Mark Durenberger: Has anyone been able to relate the signal-strength LEDs on the Sony 2010, to TUs? I'm curious if there is a relationship. Thanks.

Rick Kenneally: Sony 2010 owners: I just did the mod referred to below on both my 2010s, essentially dedicating the high pass filter that is applied to signals from the am antenna jack. It works great, allowing me to avoid some of the noise that really bothers me. I believe the instructions state exactly where to make the connection, and I also included a photo of the board on which it's mounted costs $157 and the jack itself, J305 isn't available. Does anyone have a source of parts for the connect board? Thanks.

Patrick Martin <nw5d@webtv.net>: This reminds me of my old boom box that has the phone jack on the board and I cannot get that replaced either. I have tried to get to the jack but it is impossible.
I was going to include the handful of NFL network lists that I have, but at the last minute Bob Karchevski sent me this URL: http://www.monitoringtimes.com/mt-bball.html which is "The Baseball Listener’s Guide 2001" - compiled and edited by Ken Reitz (ks4zrOfirshia.com). I retrieved this web page on 09/20/2001. This web page has 28 network lists for the Major League Baseball teams. I have no idea what the sources are for Ken’s page, and I did not have time to send him e-mail. Below are the network lists that I did not previously have. I still need many of the National Football League network lists.

### Atlanta Braves 2001
Skip Caray, Pete Van Wieren, Don Sutton, Joh Simpson

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Jim Hunter, Fred Manfra

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### Professional Barry S. Finkel
10314 S. Oakley
Chicago, IL 60643-2409

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### Musings of the Members

**Dave Schmidt**
P. O. Box 3111
Scranton, PA 18505-0111

**Times are local per MUSE, submit double-spaced only.**

Ray Arruda - 47 Burt Street - Acushnet, MA 02743-1939

Another DX Season is upon us, with summertime and the NRC 2001 Convention behind us. Time flew by this year. Arlene and I had a great time in Pittsburgh and would like to publicly thank the host JOHN MALICKY for an excellent convention from start to finish. His thoughtfulness, thorough planning and attention to detail made this years GTG enjoyable for everyone! It was nice to see all of our many good friends, especially some of our long time NRCer’s... Mr. & Mrs. KERMIT GEARY and Mr. & Mrs. BEN DAININGFIELD. Enjoyed a nice Sunday Riverboat ride in perfect weather with Bob & PATTI STONER and BILL & BRENDA SWIGER and JERRY & BONNIE STARR. We did wander to the Baseball Hall of Fame and The Football Hall of Fame for the first time and were both very interesting visits. We then returned home the Wednesday after Labor Day with some very fond memories of an excellent trip. For those who inquired about ERNIE COOPER at the convention...I have spoken to him via a private line. He has slowed up just a bit but is still in good health and hoped everyone had a good time in Pittsburgh. He is still enjoying reading DXING and listening to classical music but no longer DXing. With the onset of cooler weather, I am looking forward to trying for some of the DX Tests, checking in to The NRC Net more often, and your yearly visit to ERC on Cape Cod. 73

John Tudenham - 2824 Missouri - Joplin MO 64804

To introduce myself, I turned 70 and have been an NRC member since 1958. Helped host the AMRA convention in 1961. I attended several conventions the last being Denver in 1995. Will not make the NRC this year, but plan to make the IRA in St Louis. This will be my first ever IRA convention. Crowded up in St Louis I try to keep up with the radio scene there. Actually I started DX-ing with a crystal set when I was 9 years old. In those days St Louis only had 6 full time stations, and they all signed off by 1 AM, most by midnight. They were KSD 550, KMOX 1090, WIL 1200, KXOK 1250, KWK Mutual. One cold winter night after local stations were off I actually tuned in KSD 550, which is "The Baseball Fan's Network" and was able to pick up 82 stations of the 1000 they listed. I retrieved this web page on 09/20/2001. This web page has 28 network lists for the Major League Baseball teams. I have no idea what the sources are for Ken’s page, and I did not have time to send him e-mail. Below are the network lists that I did not previously have. I still need many of the National Football League network lists.

**Anahiem Angels 2001**
Mario Imperati, Darrin Sutten

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**Arizona Diamondbacks 2001**
Greg Schulto, Rod Allen, Thomas Brennan, Jim Halar

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**Dックス**

**Back issues on audio cassettes:**

**DXAS**

**Back issues on audio cassettes:**

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