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News From HQ

With this issue, I'm stepping down as the editor of DX Monitor. My reasons are quite simple. In recent months, my job-related travel has increased to where I'm out of town 50 to 60 percent of the weeknights. That sort of schedule makes life difficult under any circumstances, let alone when you're putting out a weekly DX bulletin. In addition, after editing DX Monitor for ten years (as of this issue), I feel it's time to let someone else do it.

Fortunately, two very capable people have offered to take over publishing activities: Don Erickson and Ralph Sanserino of Riverside, CA. Neither is a newcomer when it comes to publishing DX bulletins. Don, as many of you know, published DX Monitor from 1966 to 1973. Ralph has in the past helped publish SPEEDX and ASWLC's bulletins, and is well known as the designer of several loop antennas. Between them, they have lots of time and energy to devote to publishing, and they'll do a wonderful job. For the first time in several years, all publishing, reprint, record keeping, and dues collection will be concentrated in one city, which should streamline our operations considerably.

Effective immediately, send all bulletin material (columns, articles, etc) and membership dues to Don Erickson, 6059 Essex Street, Riverside, CA 92504. Send all Goodie Factory orders to Ralph Sanserino, 11300 Magnolia #43, Riverside, CA 92505. Ralph has also requested that all Goodie Factory orders be made payable to him, in order to simplify banking arrangements.

Editing DX Monitor has been an interesting and enjoyable experience. My thanks go out to everyone who has offered their encouragement, appreciation, and constructive criticism. Please be sure to give Don and Ralph more of the same. 73. Bruce Portzer

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New Members

- Atsushi Masamune, Sendai, Japan
- Werner Funkenhauser, Guelph, ON
- Chuck Boehnke, Keaau, HI (rejoin)
- Gary Parker, Willowbrook, IL (rejoin)
- Jay Lemmons, Sacramento, CA
- Joe Smulevitz, Kitchener, ON

More News

The vote for the BoD runoff election was Rich Toebe 12 votes, Robert Wien 4. For the first time in club history, we have the same Board two terms in a row.

The *Almanac* is progressing well. See page 5 for more details.

The Sacramento convention was well attended and a lot of fun. Please contact Karl Zuk right away if you want to host next year's convention.

See page 16 for *Volume 27's Publishing schedule*. Don & Ralph will let you know their deadlines.

Also see page 23 for problems others (including Ernest Cooper) have had on classified ad responses.

The next DX Monitor will come out on August 12. The deadline in Riverside will be August 5.

broadcasting information

Editor: Geov Parrish, 1201 S. Court House Rd. #240, Arlington VA 22204
 Deadlines: 7/29, 8/26, etc. * * * compiled 7/3/89

A pretty slim outing this time - the FCC doesn't seem to be very interested in passing along information when it gets hot here, hi.

NEW STATIONS

<u>call</u>	<u>KHz</u>	<u>power/antenna</u>	<u>state/city</u>
KJCC	540	10000/500	DA02 CA CARMEL VALLEY target date was 7/1/89
WKIK	600	1000/950	DA-2 NY BROWNVILLE granted reinstatement of exp CP
new	610	1000/500	DA-2 PR PATILLAS new station granted
new	700	12500/1000	DA-2 WA CAMAS new station granted, to be religious
WERN	720	10000/250	ND FL HERNANDO on the air or on shortly
WKNV	810	1400/	DA-D VA DUBLIN applies for 600 w ND-D
EBUC	830	250/250	DA-1 TX CIBOLO granted extension of time
new	870	250/	DA-D VT BERLIN previous grant for new station has been rescinded
KOTE	880	500/250	ND CA DESERT HOT SPRINGS construction planned for September
KGGN	890	1000/	DA-D MO GLASTONE granted extension of time
WERE	890	250/250	ND PR CEIBA app. for reinstatement dismissed
new	1020	10000/2200	DA-2 FL KENDALL new application
WDFW	1020	1000/1000	ND PR ADJUNTAS on the air or on shortly
WDRS	1020	1000/	ND-D KY PLEASURE RIDGE PARK granted ext. of time
WHRP	1040	4700/1000	DA-2 NJ FLEMINGTON returned app. for new xmtr loc.
WLIH	1120	1000/	ND-D LA DENHAM SPS granted reinstatement of exp CP
WFLD	1120	1000/	ND-D SC FLORENCE granted reinstatement of exp. CP
WFWA	1160	10000/1000	DA-B AL MOBILE granted another extension of time
WROD	1190	1000/1000	DA-N FL ROYAL PALM BEACH reapplies for 890/1000 w
new	1340	1000/1000	ND DC WASHINGTON new stn app. vs. WYCB dismissed
EJSM	1520	20000/5000	DA-2 WA SEQUIM denied extension of time
KORE	1550	800/	ND-D CA APPLE VALLEY not yet on (as listed last month); target date is August

Two new Canadian allocations have been made: 1160 KHz, 10000/2500 w DA-2 in Peace River AB; and 1110 KHz, 10000/10000 w DA-N in Vegreville AB.

CHANGES IN EXISTING FACILITIES

<u>call</u>	<u>KHz</u>	<u>power/antenna</u>	<u>state/city</u>
FBPT	540	1000/250	DA-1 TX FREEBIE applies to move to DeSoto, TX
FLAH	620	5000/5000	ND AK HERANA applies for 2200/2200 w ND
WYFR	720	1000/	ND-D NC BREVARD granted move to Pisgah Forest NC (near Asheville), 10000 w days
WVUX	740	5000/1000	DA-N FL ORLANDO applies for 50000/50000 w DA-2
WTTH	920	1000/1000	DA-1 NJ TRENTON applies for 1400 w days
WRXV	1020	1000/	ND-D SC HOMEWOOD PARK granted 10000 w days
WDFL	1030	5000/	ND-D MI STEELING HEIGHTS granted new DA pattern
KBBR	1120	50000/5000	DA-2 ND BISMARCK granted move to 710 KHz
CHMP	1190	10000/	ND-D ON MISSISSAUGA granted move to 1320 KHz; 20000/2000 w, DA-2. When this moves, it will shut down the last Canadian daytime!
ELIF	1220	250/	ND-D CA FOWLER target date for move to 1210 KHz is now August
CHVO	1250	10000/5000	DA-2 ON OAKVILLE granted 10000 w nights
WHGR	1290	5000/5000	DA-2 MI HOUGHTON LAKE applies for 4600/4900 w DA-2
KBBE	1400	1000/1000	ND TX JACKSONVILLE applies for 450/450 w ND
KBBZ	1480	5000/1000	DA-2 TX DALLAS granted 1900 w nights
WTR1	1520	9300/	DA-D MD BRUNSWICK applies for 1400 w critical hrs
KGHT	1540	250/	ND-D AR SHERIDAN granted 50000 w days, 31000 w CH for CP on 880 KHz
KSCB	1540	50000/1000	DA-2 TX FORT WORTH granted move to University Park TX (Dallas), 5000 w nights
WQQW	1590	5000/5000	DA-1 CT WATERBURY granted new day DA
WARV	1590	5000/5000	DA-N RI WARWICK granted new day DA

CALL LETTER CHANGES

+ \$ means change accompanies a station sale; * check for format info)

WRCQ	910	CT New Britain	* WNEZ	WTRX	1330	MI Flint	\$* WDLZ
WSBY	960	MD Salisbury	* WLWV	WNYM	1330	NY New York	\$ WWRV
KICJ	980	LA Shreveport	KIOU	WSLE	1440	GA Bremen	\$ WBKI
WTPQ	1050	GA Conyers	\$ WPBE	WFRG	1450	NY Rome	\$ WPIG
KPHD	1140	TX Conroe	\$ KSSQ	KBSO	1490	MT Laurel	* KFBN
KPAK	1230	CA Redding	KLXR	KDVE	1510	TX Nederland	KQXY
KZZE	1240	TX Brownwood	KXYL	WRQK	1520	OH Canton	\$ WINW
KTYE	1260	CO Aspen	KSNO				

FORMAT CHANGES

call KHz state/city

KPUP 540 CA CARMEL VALLEY new, to be country (Hilliker-CA)
 WGAI 560 NC ELIZABETH CITY was SMN rock oldies, now Transtar ad. con.
 WELO 580 MS TUPELO was country, now Transtar rock oldies
 WHP 580 PA HARRISBURG was AC, news-talk, now all news-talk
 WAES 610 NC CHARLOTTE was local oldies, now SMN "Kool" rock oldies
 WTIx 690 LA NEW ORLEANS news-talk, adds BRN business news
 KGU 760 HI HONOLULU news-talk, adds BRN business news
 WSVG 790 VA MOUNT JACKSON was country // FM, now SMN rock oldies
 WLS 890 IL CHICAGO adult contemporary, talk & info, to drop all music
 WHNC 890 NC HENDERSON was black, now Transtar adult standards
 KOES 900 TX HAMILTON was KCLW, country, CHR, to be Spanish upon sale
 WNEZ 910 CT NEW BRITAIN was WRCQ, adult standards, now easy listening
 KDES 920 CA PALM DESERT was rock oldies, now adult standards again
 KBNA 920 TX EL PASO was Spanish ranchero, now Spanish contemp. // FM
 WADV 940 PA LEBANON was country, now adult contemporary/rock oldies
 WJDK 950 VA RICHMOND was WXGI, easy listening, now adult contemporary
 KZZY 960 CA APPLE VALLEY was KAVR, rock oldies, now soft adult contemp.
 WLWV 960 MD SALISBURY was WSBY, adult standards, now rock oldies
 WFIR 960 VA ROANOKE was adult contemporary, now news, talk
 KMIN 980 NM GRANTS country, adds BRN business news
 WHAW 980 WV WESTON was AC, country // FM, now TNNR satellite country
 KPHS 1010 CA THOUSAND PALMS was fine arts, now temporarily silent
 WNVN 1030 IL VERNON HILLS was Business Radio Network, adds travel information for Marriott's Great America amusement park from 0900-sunset (CLT)
 KBEQ 1030 MO BLUE SPRINGS was CHR // FM, to be SMN Z-Rock heavy metal
 KFIT 1060 TX LOCKHART was silent, returning as religious talk
 WVCG 1080 FL CORAL GABLES was Spanish, now brokered variety
 WQXM 1120 GA GORDON was AC // FM, now Transtar 41 soft adult contemp.
 KEZX 1150 WA SEATTLE was soft AC, jazz // FM, to be BRN business news
 WAIA 1170 FL ST. AUGUSTINE BEACH was country, now "Visitors Info. Radio"
 WHUM 1190 PA HUGHESVILLE was CHR // FM, now Transtar country
 KASY 1210 WA AUBURN was AC/oldies, now rock oldies // FM
 KSSC 1230 MO JOPLIN was adult standards, off the air since February
 WROV 1240 VA ROANOKE was adult contemporary, now rock oldies
 WSPR 1270 MA SPRINGFIELD news-talk, adds BRN business news
 WKHQ 1270 MI CHARLEVOIX was CHR // FM, now BRN business news
 KKAL 1280 CA AROYO GRANDE was CHR // FM, now country (again)
 WDEC 1290 GA AMERICUS was CHR // FM, now SMN "Heart & Soul" black oldies
 WLQY 1320 FL HOLLYWOOD was Spanish, now brokered variety
 WLEE 1320 VA RICHMOND was adult standards, now silent
 WDLZ 1330 MI FLINT was WTRX, talk, AC, now SMN "Z-Rock" heavy metal AoR
 WITS 1340 FL SEBRING was AC // FM, now Music of Your Life ad. standards
 KLID 1340 MO POPLAR BLUFF was adult contemporary, reported silent
 WZPQ 1360 AL JASPER was WWWB, CHR/oldies, now adult contemporary
 WBLL 1390 OH BELLEFONTAINE was WPKO, AC // FM, now TNNR sat. country
 KVOE 1400 KS EMPORIA was soft adult contemporary, now country
 KMLA 1400 TX TEXARKANA was country // FM, now CNN Headline News
 WRAK 1400 PA WILLIAMSPORT was SMN rock oldies, now CNN Headline News
 KATE 1450 MN ALBERT LEA was variety, now Transtar soft adult contemp.
 WJIT 1480 NY NEW YORK was Spanish contemporary, now Spanish talk
 WFBN 1490 MT LAUREL was KBSO, "Z-Rock," now FBN business nx (Johnson-MT)
 WBZI 1500 OH XENIA was country, now adult contemporary
 KZZI 1510 UT WEST JORDAN was silent, back as WNN motivational talk
 KFBK 1530 CA SACRAMENTO drops Talknet, adds ABC Talk Radio

WRKT 1530 PA NORTH EAST was WHYP, country, now all Beatles until a permanent format is announced (continuing WHYP's fine history as the most atrocious radio station in the U.S...)

WSHN 1550 MI FREMONT was contemp. Christian, now TNRR sat. country // FM

WINV 1560 FL INVERNESS was adult contemporary, now TNRR sat. country

WELA 1560 LA SLIDELL switches from BRN to FBN business news

WYXE 1570 TN CENTERVILLE was WHLP, AC // FM, now country

WCCF 1580 FL PUNTA GORDA was country, now news, talk

KVGE 1590 KS GREAT BEND was adult contemporary, now country // FM

WZRY 1590 MS JACKSON was Aor // FM, now Music of Your Life adult stds

Also, Tim Hall notes that KVEG-840, in addition to its new FBN business news format, is running local talk after 2200 PLT, along with Las Vegas Stars baseball, and an irregular s/off time.

TRIVIA QUESTION OF THE MONTH

Answer to last month's question: the three westernmost AM "W" calls (by longitude) are WQAI-1200 San Antonio TX; WNAX-570 Yankton SD; and WKY-930 Oklahoma City OK. The three easternmost AM "K" calls, excluding KYW & KFEA, are KQV-1410 Pittsburgh PA (yeah, I know, a trick question...), KFIZ-1450 Pond du Lac WI, and KCHR-1350 Charleston MO.

The death this year of WLEE on both 1480 and 1320 in Richmond VA is the only time I can remember when a set of calls went silent on two different stations in the same year. The loss of WLEE was also notable for taking along with it shared time station WBBL-1480, which is now defunct as a result of WLEE's financial troubles. It wasn't as widely commented on, so it's this month's trivia question: when was the last time two shared time stations went off the air? What were the stations? (Hint: neither was in a large city...)

PROPOSED STATION SALES (* means check the format listings for more info)

KUCB 590 OR, WDDX 670 MI, KPHA 670 HI, WZLX 940 TN, WBSH-1020-AL (unbuilt CP), WIKZ-1030 TN, WTPO-1050 GA, WWMO-1130 NC, WJBO-1150 LA, KRZY 1230 ID, RDOV 1230 OR, WBOO 1260 TN, KESP-1290-CA, WAGF-1320-AL, WYCH 1340 DC, WHAT 1340 PA, WMLK-1350 CT, WRAP-1350 VA, KICX-1360-NE, KEBT 1380 HI (now silent), KRED 1390 MI, WZAZ-1400 FL, WCKT-1400-NY, WFTM 1410 TN, WBEX-1430 NC, WDOV 1440 MI, WRSL-1440 SC, WMLS-1490-GA, ETTT 1510 HI, WZLX 1510 NC, WDBS-1520 GA, WARD-1550 PA, WSHY-1560-IL, ERAR 1570 LA

STATION SALES THAT FAILED: KOBG-1360-AK (unbuilt CP), WKKU 1510-MA

MISCELLANEOUS NOTES: More format jollies: Transar is now distributing CNN's Headline News as a full time news format; several stations have already signed on. In CNN's initial days about 6 or 7 years ago a bunch of stations carried CNN news as a full time; it died, but now it's back. And WHPV 1030 Vernon Hills IL has broken new ground by leasing out most of its broadcast day to a nearby amusement park for parking & tourist information. The Six Flags programming, interestingly enough, is being produced through WGN 720. Lucky radio stations don't have to bother worrying about public interest any more.

It couldn't last: A couple months ago a statewide network with 68 affiliates in Pennsylvania went off the air. Now Pennsylvania Network, Inc., has set up a new network with about 60 affiliates thus far - presumably many of the same ones as the old network. Why don't we just outlaw local programming and get it over with?

After many delays, the FCC has finally authorized the NAB's experimental AM transmitter and non skywave antenna in the DC area. The station will operate on 1660 KHz from Beltsville MD, with calls KA2XXB, and may be on by the end of the year. With the FCC's virtual abandonment of co-channel interference standards, this long-awaited experiment qualifies perhaps as both a last hope and as too little, much too late for stations on overcrowded AM frequencies. What this system might do for (or to) nighttime DX is anyone's guess. Stay tuned...

* * * *



Eastern DX Roundup

Editor Ray Bauerhuber

141-12, 243 Street
Rosedale, New York 11422

DEADLINE: August 1st for August 12th Issue

- =====
- (WAW-RI) William Wyllie
95 Peck Street
Franklin, MA - 02038-2217
ALL STATIONS HEARD AT PRUDENCE ISLAND, R.I.
Fisher 418 w/built-in antenna
- =====
- 1200 UNid 5/9/89 at 2316 Noted ID: "The Station that Gives
Away Money and plays all the hits, Energy 1200."
(WAW-RI)
- 1240 WWCO CT, WATERBURY 6/10/89 at 6009 Rock music, noted
"WWCO - Hit Radio", poor signal; TA was too loud to
hear it. (WAW-RI)
- 1380 CFDA PQ, VICOTRIAVILLE 6/3/89 at (?) time FRENCH talk
with many mentions of Montréal. Fair to Poor signal.
Not noted before this. (WAW-RI)
- 1400 CJFP PQ, REVERE de LOPE 6/3/89 at (?) time FRENCH talk
Fady signal; not heard too often here.
(WAW-RI)
- 1420 CJMT PQ, CHICOUTIMI 6/3/89 at (?) time Strong signal with
sports in FRENCH. Not always heard here. (WAW-RI)
- =====

That's all for July folks...really slim pickens'. If you're on vacation, take a portable along and report what you've heard. I'm getting very lazy here and need work! I apologize for the poor quality of this column as I couldn't access the word processor. Next month's will be far better. I'm still looking for a reasonable priced GE Superadio (used + in working order)...so if anyone is sciling one please contact me. Till next month continued good DX and enjoy your summer!

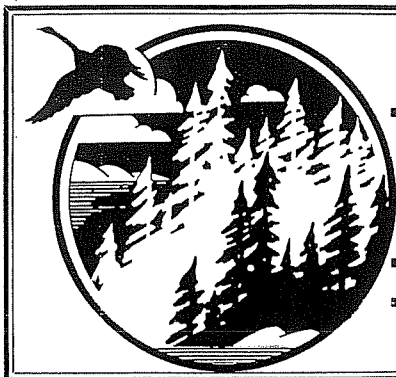
The IRCA Almanac

The Fifth Edition of the *IRCA AM/FM Almanac* is coming along nicely and should be done sometime in August. The *Almanac* will be a collection of features, lists, tables, and articles on AM and FM radio stations. It will include:

- + News networks, including affiliates and formats
- + Satellite networks
- + Syndicated programs, such as American Top 40
- + Sports networks
- + A list of slogans of AM stations
- + A list of all the station changes (call, power, etc) and new/proposed stations since the last Almanac
- + A list of TIS stations & beacons
- + Lists of foreign DX heard in western and eastern North America
- + Several articles on AM DXing

Most of the network and program lists will feature both AM and FM stations. Next to a station log, this is the most valuable book available for the AM and FM DX listener.

We're still taking orders at the discounted prepublication price of \$9.95 for US members, \$10.95 Canada and surface mail overseas, \$13.50 airmail overseas (This is a correction from last month's announcement). On July 31, the price will go up. Send your check or money order to PO Box 21074, Seattle, WA 98111.



WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

Next WDXR deadline: Monday, July 31

REPORTERS FOR THIS ISSUE:

- (TRH) Tim Hall-350 G St. #F-1-Chula Vista, CA 92010
ICF-2010, Radio West loop
- (GL) Gary Larson-DX'ing at work in Huntington Park, CA
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

- 540 (KKG) CA, Hesperia 6/19 per call to Cal Milner of KKG0-FM, AM is now off the air while new 25kw xmtr is being put in. Am hoping to read of date when they return, to tape sign on. (GL-CA)
- 1150 (KRVE) CA, Santa Rosa per call to KVRE, they changed calls to KRVE, but currently silent awaiting a new buyer (called 6/19). (RW)
- 1230 KLYR CA, Redding 6/19 0450 faded up over KWG et al with coupon book spot with local sponsors, mentioned "write to KLYR for your copy," faded out. Call change, ex-KPAK. (RW-CA)
- 1240 KLVJ ID, Mountain Home per call to KJCY, have changed calls to KLVJ. S/on now 0800 (forgot to ask if they have a new format!). (RW)
- *****
- 540 KPUP CA, Carmel Valley per call to KPUP, they are definitely coming on air 7/1. (RW-CA)
- KNAK UT, Delta Tu 6/20 0455 this is my unID with Larry King Show. ID "Providing central Utah with music, information, and more, we are KNAK Delta." Into Mutual News. Not heard in some time due to XEWA's recent surge in signal strength. (TRH-CA)
- 560 *KSFO* CA, San Francisco 6/19 0650 with OC. (RW-CA)
- 620 KCLQ CA, Hanford per call to KCLQ, they'll be changing calls to KIGS "any day now." Was supposed to change last week (6/20) but hadn't gotten official FCC approval yet. (RW-CA)
- 700 CKRD AB, Red Deer 6/5 0500 strong over KFAM with ID "Radio 7, CKRD." Rarely this strong except at sunrise. (RW-CA)
- 810 *KGO* CA, San Francisco 6/11 0440 with OC, TT. (RW-CA)
- 840 (KVEG) NV, N. Las Vegas 6/19 off after 0500 or maybe 0600. Little else heard. (GL-CA)
- 890 KDYU UT, St. George 6/5 0336 apparently AN this MM. (RW-CA)
- 950 KYGO CO, Denver Sa 6/24 0330 on top of the channel tonight with usual IRN. Local XEGM/XEKAM, which continues to broadcast 2 (1) satellite feeds on 3 (1) frequencies (890/950/1010) took a short SP. (TRH-CA)
- 1020 (KTNQ) CA, Los Angeles Sa 6/10 0320 totally off, leaving KYE on top of KWIQ & KDKA. This station seems to take SP's on just about any night EXCEPT MW's! Returned about 0545. (TRH-CA)
- (KCKN) NM, Roswell Sa 6/10 0320 also totally off, GREAT timing! Returned at 0509. (TRH-CA)
- KDKA PA, Pittsburgh Sa 6/10 0354 poor with local talk show hosted by man--topic was Pittsburgh's new city council. Phone number sounded like 333-9096. Several weather forecasts & a few IDs. Not enough for a report. New, PA #3. (TRH-CA)
- KWIQ WA, Moses Lake Sa 6/10 0447. Noted briefly under KYE/KDKA mix with usual C&W // FM. Male DJ. Very rare here, follow-up report still needed. (TRH-CA)
- KYIE WA, Selah Sa 6/10 0327-0507 on top of channel, fair-good at times with usual Larry King, IDs, & "Kicksy Country" slogans. (TRH) +6/24 0340 fair, level with KTNQ in KCKN null. Surprising to hear them with KTNQ & KCKN both on. (TRH-CA)

- 1050 KEYF WA, Dishman MM 6/5 0157-0226 fair with XED. Old radio drama hour, recorded ID by woman "KEYF Dishman-Spokane" on the hour, into ABC-E news. MYL/NCS/EBD music, lots of "KEY AM 10-50" slogans, also "all day every day, we play the classic hits." Needed for follow-up report. (TRH-CA)
- 1070 *KNV* CA, Los Angeles MM 6/26 0420 LOUD TT's. Didn't help me, since XEPRS-1090 was slopping from 1030 to 1130 tonight. (TRH-CA)
+6/25 0442 TT, OC, mentioned they'd be back on air at 0700 (4am PLP). CFAY strong as usual in presence, KFDI very weak in their null. (RW-CA)
- 1110 (KRLA) CA, Pasadena MM 6/5 0310 totally off, leaving XEVS/KFAB mix. (TRH-CA)
- 1170 (KCBQ) CA, San Diego 6/7 0558 totally off, perhaps only the first or second SP they've taken since picking up SMN a year or two ago. Unfortunately returned at 0604. (TRH-CA)
- 1210 KQVN OK, Guymon 6/7 0630 SEEMS to be the one here with IRN/Fred Sanders, unless I heard their ID on top of the IRN feed of another station. Now 24h operation? (TRH-CA)
- 1220 (KERT) CA, Santa Clarita 6/19 called station & was told "sometime soon" for first day on. (CL-CA)
KERT 6/22 0241 and around the same time on subsequent nights. Fair signal under KDFC. 70's & 80's AdCon music, DJ Maggie McKay, lots of "12-20 AM Stereo" slogans. Although Canyon Country was mentioned in a couple of IDs, the legal ID was for the real city of Santa Clarita. Sounded like RG, but quick s/off at 0308 said "that concludes our testing for this evening...". Thought this one would be hard to hear, but now looks as if it will be a bust. New, CA #210. (TRH-CA)
+still having xmtr problems and now looking at late July or Aug. target date. (RW-CA)
- 1330 KLAZ NY, Las Vegas 6/11 0525 looks like another format change here. Now Spanish "radio exitos," devotes much of its schedule to Spanish lessons and tips on how to gain U.S. citizenship! (RW-CA)
EX-C&W, OLD, BBD/MYL. (TRH-CA)
- 1250 (KQRT) CA, San Francisco 6/5 0454 OC. 6/19 0502 off. 6/26 0450 totally off, back on RG 0500. Apparently new MM SP at this time? (RW)
- 1300 KRPC WA, Seattle 6/7 0623 not bad mixing with KYNO. C&W music // FM TT. KAZH who? hi. (TRH-CA)
- 1360 KPOF CA, San Diego 6/29 0620 finally heard some Transtar "AM Only" RDB music here (used to run Talknet at this time). Station has been listed as a Transtar affiliate for months, but has not been using the service. // KPFI-1470. (TRH-CA)
- 1400 KHTZ CA, Visalia MM 6/5 0300 poor-fair with slogan/ID "Smokin' Oldies for the South Valley, 14-K, KHTZ, Visalia," into CBS News. Rare here, KEZC usually on top. (TRH-CA)
- 1450 KQWA CA, Santa Clara-San Jose apparently now NSP, noted AN now 2 MM's in a row. Carries local programming 0300-0600, then "Laboratorios Camachos" (ala XEPRS-1090) from 0600-0900. (RW-CA)
- 1450 KTFP CA, Porterville MM 6/5 0252 MYL & slogan "the music of your life on AM 14-5-Oh." Fairly rare, semi-local KQWA has dominated the past year after several years of KEST owning the channel. (TRH)
- 1470 KFOA CA, Sacramento 6/29 0625-0707 poor, fading under KPFI & XERON OC. BRN feed // KBJX-1500 including news, sports & a weather forecast for all the cities with BRN affiliates! Several IDs & "Business Radio 14-70" slogans. New, CA #211. Have been after this one for a long time. (TRH-CA)
- 1490 KMET CA, Banning MM 6/5 0244 fair with usual KBAS/KDB mix. Noted EZL/OLD format and slogans "1-49, music you remember, making your day just a little bit brighter." Although only 90 miles away, this station is rare--KBAS usually on top. (TRH-CA)
- 1530 KFBK CA, Sacramento Sa 6/10 0427 noted with BADLY distorted signal all night. They must have hired an engineer from XEGM. Problem was fixed the next night. (TRH-CA)
- 1610 WNPB405 CA, San Diego Tu 6/6 0106 new TIS signed on today (6/5) with tourist info for San Diego's Balboa Park. Taped messages updated each weekday morning list park events & predict parking availability. Also gives two phone numbers for park info--(619)238-5717 & (619)239-9628. Messages always begin with "This is the Balboa Park Travelers Information system, AM 16-10" and end with a call letter ID (95% sure of calls--the "P" could be an "S"). Male announcer some days, female others. Station REALLY gets out. New, CA #209. (TRH-CA)

UNIDs:

- 840 6/19 0704 unID faded up thru KOA/KGO-810 splash, while looking for KIKN-TX. Two ment. of "Montgomery" and one possible ment. of Mobile, "partly cloudy skies." Faded out rapidly, gone by 0710. Possibly WBHY Mobile, AL (their s/on in June is 0700 per LSR maps). Other ideas? (RW-CA)
- 1170 6/7 0600 unID during KCBQ SP with C&W music, USRN news on the hour. I don't show either KVOO or WWVA as having USRN news. ID garbled, but seems to have a "WV" in it. Maybe much-needed WWVA. Rats! (TRH-CA)
- 1180 Sa 6/10 0623 unID with BBD/NOS music. No ID heard. (TRH-CA)
- 1220 6/21 0312 unID with GOS, seemed to loop ENE. Way under KDFC. May be much needed KTSJ, but this will be hard to track down with KBET coming on. (TRH-CA)
- 1500 6/29 0722-0744 unID with entire album sides of 1980's AdCon, under KSJX/KUMU/XEAI mix. Maybe one of the Texas stations with a format change? Female DJ. (TRH-CA)

That's it for this month. Next time will be the final column of the volume, and with it the much-awaited listing of reporters for the past twelve months. ♡



Western DX Forum

★ ★ ★ ★

IRCA — The #1 Choice of the Broadcast Band DX'er

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8677

DEADLINES — 31 JULY - BALANCE TBA

□ □ □ □ □ □ □ □ □ □

JOHN C. JOHNSON, 979 NEPTUNE BLVD., BILLINGS, MT 59105-2129
 I want to thank everyone who voted to re-elect me to the Board of Directors. It looks like it will be an exciting time to be a board member. As always, your comments are welcome. Onward! Recent veries include KLAC 570, much wanted. Finally heard KLAC after many years of DX - KISN extra weak one morning. KWKA 680 also much wanted, KWKA is sometimes heard under KNBR faintly. And a verie from KDBM 1490 for MT #55. Local KBSO is currently off the air. KBSO will return at some point with new calls, KFBN and a business format. Apparently Billings is not a "Z Rock" city (we're thankful for that). Clearing up a comment in the 16 June issue "Broadcasting Information." KKUL 1230 Hardin, MT is currently silent as noted, however, at the time I sent the info to Geov, and at the time it appeared in print, KKUL was indeed on the air with KKUL calls and simulcasting theier FM and ID'ing as KKUL AM and FM. Sorry I missed the convention. Hope everyone had a ball. (We did!-RtH) 73 de John.

GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504
 Won't be able to make it to the convention due to work schedule. Hope all who go had a good time. Called two locals to inquire of air dates. KBET says soon so I imagine three weeks from 19 June, today. Talked to Cal Milner of KKG0. He says 540 is off now while new transmitter is being installed for 25 kw. I mentioned KSHO call and show music and he says on Sundays they'll have a program featuring that music. I can imagine the heat the engineers put up with at the site in the desert. Closest food or other services is 6 miles south in Lucerne Valley. (Huh?-RtH.) Told Milner I'd been to site twice in the past. I'm still impressed seeing 6 towers in a barren desert area. Spoke recently with GM of KBBV 1050 who is in touch with trades on industry changes but he hadn't heard of KOZR 1550. I'd like to know studio and transmitter sites. Just recalled 20 years ago when KJST 1420 Joshua Tree went on the air with 1 kw daytime ND with EZL format. Believe they went dark in '71. Currently, KSES is doing well there. Have noticed that KUTY 1470 has a better nighttime signal blocking Tijuana more. Am sure they're doing well in the Antelope Valley. Nothing new on 1500 Burbank. Have noted 970 Coachella using the KRCK calls. May contact the owner of KWOD who owns the 1500 Burbank assignment and find out what's going on. Also nothing new on 1050 KNOB Frazer Park, CA. Got a tip or want to talk? Number here is (818) 972-9411.

KARL JETER, 2115 SCARBROUGH RD., STONE MOUNTAIN, GA 30088
 It must have been some kind of luck that got David Reitz, Don Erickson, Floyd Perry, Robert Wein and I back down out of the hills east of Sacramento last night (02 July) from the DX'pedition! But we found our way out, leaving Ric and Neil Kazaross behind (hope they made it - it looked a lot different in the dark!). (Piece of cake, Karl. At least we didn't make a wrong turn, hi-RtH.) But it was a good ending nevertheless to one of the best conventions

I've ever attended! It helped no doubt that I was in CA for the first time, but mostly it was all the great IRCAnS in attendance and the hard work of Ric Heald and others who made it so enjoyable. The accomodations were excellent, as was the banquet, auction and tour of transmitter sites and just the general comraderie.///One of the best things of any convention is being able to attach faces to all those names you see in DXM and there are certainly some fine DX'ers out here. .too many to mention in this forum.///I'm kicking off a week of sightseeing now that I hope will carry me to many scenic places, such as Lake Tahoe, Yosemite, Reno and back to San Francisco before leaving on the 9th.///Thanks again to everyone who made the IRCA '89 Convention such a success and look for me in EDXF soon near you. (Hopefully with something DX-oriented to report.) 73 de Karl.

DAVID REITZ, 9332 FAIRGROUND RD., FERN CREEK, KY

Greetings from the 1989 IRCA Convention in Sacramento. This is my first time ever being on the West Coast and I must say I'm quite impressed with just about everything. The Convention has been really great, being able to attach faces with names familiar in the DXM makes the whole trip a success. It was also great to see several other eastern US DX'ers. This Convention was quite different than the '88 Convention in Louisville where only about 12 people showed up. (We had 34, David-RtH.)///I would like to thank Ric Heald for the great job he did in hosting the Convention. Thanks, Ric.///I'm leaving from Sacramento for Long Beach to see my brother. So hopefully I can do a little DX and send some tips to Nancy Hardy.///As Karl Jeter and I discussed, look for the two of us to start sending contributions a little more often to the columns. We both have been a little lax reporting as of late.///Once again, thanks to everyone who helped make the 1989 Sacramento Convention a tremendous success. 73 de David.

RIC HEALD, 9539 BELLAMY WAY, SACRAMENTO, CA 95828 Tele-Forum: (916) 386-8677 1700 to 2100 PLP & ppp

Greetings from Convention City! 34 attended a really fantastic Convention. Thanks to all of you who attended - you made the convention. And a special thanks to all those who volunteered their services. It was great having so many former convention hosts. You guys really helped to make the convention run smoothly.///But, the really bright spot was our speaker, who also gave us more than a "cook's tour" of KRAK, then met us again Saturday at the transmitter site (even to the, "watch this flourescent tube light up," you know, the one former pirates know all about, hi), and a fantastic presentation on AM radio, past, present and future at the banquet, by KRAK's CE, Jay Lemmons, our newest member. Welcome aboard Jay - and another member and DX'er in Sacramento! The hat - a KRAK hat, I might point out, hi - was passed, and dues collected. Thanks Jay for really going out of your way. I mean we even got a tour of KRAK's mobile unit (a large mobile home).///Neil and I scouted out a DX'pedition site in El Dorado County and found a place at about the 1,000 foot level, and a secondary site in case we might be looking down a couple of barrels, hi. Karl went up the hill for a view, and it was great: The Valley, Sacramento and the Coast Range. Three wires went out, SW, NW and NE. I used the NE on the FRG, and immediately got an ID from KNKK 800, while those using the SW wire only heard XEROK. It was great not hearing KSAC or KWG, hi. Did hear SS on 1240. Quien es? ///For those who didn't make it, you missed a really great time. Hats off also to the staff at Heritage Inn who never once bothered us and was great at bending over backwards to accomodate us.///The weather even co-operated; didn't break 90 until Sunday, and a dry front had gone through earlier in the week that cleaned up the air and afforded us spectacular views of the Sierras.///A new look to WDXF. Please try to keep your forums to 30 lines.///Will have deadlines for you as soon as Riverside lets us know. Until next month, best of DX and 73 de RtH. .

The AMazing AM



Jim Huttiker and Pete Faylor recently sent us some information on KPUP-540 in Carmel Valley, CA. The station had been planning to hit the air 7/1, but nobody heard them in Sacramento during the convention. So their target date may have slipped a bit. In any case they'll be operating with 10kw/500w from a 4 tower array near the Salinas airport. Same pattern day & night. They have been testing as early as 5/6. Format will be mainly modern country "plus artists of the golden age of rock & roll" 24 hours a day in AM stereo, per their rate card. They have two addresses: 1188 Padre Dr. Ste 302, Salinas 93901. (408)758-5400, and 720-A Capitola Ave. Capitola, CA 95010. (408)479-3555. Their fax number is (408)758-5446, which might be an interesting way to send a reception report, hi. I'm not sure which address is the studio, or the best address for reception reports. (Probably the Salinas address, since it's where the fax machine is, and it's closer to Carmel Valley). Anyway, if they're not yet on the air they will be soon. It will be interesting to see how well they get out. bp.

EASTERN DX FORUM

Richard C. Evans
Apt. 19
5104 N. Lovers Lane
Milwaukee, Wisconsin
53245

414-
469-8754

Deadlines: 7/29...

Mark Strickert, 3452 North Ogontz, Chicago, Illinois 60634
WHVR-1030 is now "Great America Radio" from 5990 to 6/488. As far as I can tell, the only tie-in with the amusement park is that they broadcast from inside the place. Very little info on "Great America", no obvious necessities like traffic and parking news, and the only ads so far seem to be "Business Radio Network" week-days and 10-second live spots for 410-7201? Music mix is classic AOR...All over the road...with Raydio Bayne followed by marching music, then a slick-cut set with Funk, Leslie King, Hugo Montenegro and Steve Earle. Such a "Secret" (if any) will likely not attract the same demographics as the amusement park deal. Even the dial, WOPA-1200 seems to have new owners that have their act together. This one on as of 6/13, but could be by the time you read this, ... Incredible, with Spanish-language (but format unknown). Seemed to have picked up the calls for their familiarity, for the won't be accommodating soon had good Arms Hotel like the old 1490. WLS-890, target of 10000 many critics, still pattering along with the oldies-laced yep. Latest recordings are then going either all-talk or "Z-rock", or some mysterious unknown, by 6-11-12, but can't believe anything until it happens, if even that, at the sound of Chicago. Turning to sports...I am in need of anyone to read the "DM" cities (Minneapolis, Miami or Montreal) who ran serious stations. Also, Monterey, Montego Bay and Market Street (Phillip or SF, CA). Are DM get-togethers a thing of the past? Used to be 3-4 a year (just around Detroit), and maybe as amny in the northeast, but they seem to have become extinct. (Mark, you missed a good one at Tim Noonan's place in April--yep.

Tom Jasinski, 419 North Raven, Shorewood, Illinois 60435

Greetings, Last time I mentioned being able to see the WATR-511 and antenna site 15 miles away from my back door. Several weeks ago when taking a late evening walk after sunset with a very clear sky I noted the strobe lites from an antenna to the north of my home. On Fathers Day weekend, I checked it out by car. This FM stack is 21 miles away on the east side of Aurora. At the antenna base are the three towers for WATR-1280, Aurora. Am not sure which Aurora station is using this tall tower. Also located the WKKD-1580 towers 1 mile west of the WATR site. Again for the trivia buffs the recent edition of the Chicago Tribune's Chicago Area Road Map still shows the WLS/WTRN xmit site as Hwy 1-80 and US41. On the local scene noted a new HWY info sign on I-80 on the east side of Joliet. The info sign reads "TUNE TO 530 KHZ FOR I&M CANAL CORRECTION INFORMATION". So a new TIS will be in operation locally. The news in fact. Another frequency down the drain. The local area is rich in I&M canal history and the local governments are trying to cash in on the tourist dollars. The new 1200 KHZ WOPA in Chicago has been noted testing a few weeks ago but not on as yet. This will knock out another frequency when they do come on the air. Recently purchased a re-conditioned W9FA DSK. Still checking it out. Noted with high RF gain settings the set will produce all kinds of RF noise/static. This occasionally occurs even after disconnecting my loop. Any comments from R390 owners? This set arrived in the middle of May and two weeks later my FR2-7 died. Was the mistake of leaving it on all day. Lightning struck a clock away. Came home from work to find the "lock" lite on all the time and no signal. Did some checking and it looks like the SN765148 chip is shot. Anyone know a source for a replacement? '73's.

Rick Evans, Apt. 19, 5104 North Lovers Lane, Milwaukee, Wisconsin 53215

I talked with Roger Winsor, of Hobart, Ind., the night of June 1987 and he told me he had heard WOPA-1200 testing the net on 48 yep. I'll have to give them a try. We've had enough thunderstorms lately (and one tornado that touched down less than three miles away from here) that the HQ has been unplugged more that it's been plugged. Apparently, WOKY-920 was the best station in the area the night the tornado touched down. I know, going to work that afternoon, WOKY was great for traffic and road conditions. Nothing else to say, so...83.

HEARING IT THRU THE

GRAPEVINE

SHAWN AXELROD
30 BECONTREE BAY 204-253-8644
WINNIPEG MB
R2N 2X9 CANADA BEFORE 2300 ELT

CONTRIBUTORS:

Shawn Axelrod 30 Becontree Bay Winnipeg MB R2N 2X9..SA
John Johnson 979 Neptune Blvd. Billings MT 59105..JJ
Rich Toebe 2972 Martin Ave. Pleasanton CA 94566..RT
Niel Wolfish 178 Florence Ave Willowdale ON M2N 1G4..NW

FREQUENCY OF THE MONTH 1180

SA	VOA	MARATHON KEY FL	SPANISH FORMAT RADIO MARTI GOOD AT SR
SA	WLDS	JACKSONVILLE IL	AC MX GOOD AT SR IN WINTER
SA	WXLA	DIMONDALE MI	NEWS FORMAT POSSIBLE AT SR IN WINTER
SA	WJNT	PEARL MS	NEWS FORMAT BEST RIGHT AT SUNRISE IN SPRING
SA	KOFI	KALISPELL MT	C/W MX OR LARRY KING BEST AT SR OR SS
SA	KKAR	BELLEVUE NE	NEWS FORMAT GOOD SOME DAYS AT SR
SA	WHAM	ROCHESTER NY	DOMINANT AFTER SUNSET
NW	WHAM	ROCHESTER NY	ADCON/TALK EASY ALL DAY AND NIGHT
NW	WLDS	JACKSONVILLE IL	RARE IN NULL OF WHAM AT SUNSET
NW	WJNT	PEARL MS	VERY RARE DURING AURORAL SUNSET CONDITIONS

PROVINCE OF THE MONTH QUEBEC

NW	560	KCN	SEPT ILES	OCCASIONAL SUNRISE IF CFOS IS OFF
NW	600	CFCF	MONTREAL	DIFFICULT RIGHT IN TORONTO
NW	690	CBF	MONTREAL	CBC FRENCH PROG.
NW	730	CKAC	MONTREAL	FRENCH ADCON MX GOOD AT NIGHT WITH XEX
NW	850	CKVL	VERDUN	FRENCH ROCK MX
NW	910	CHRL	ROBERVAL	USED TO EASIER BEFORE CKLY WENT 24HOURS
NW	920	CFLS	LEVIS	TOP 40 MX AT SUNRISE
NW	940	CBM	MONTREAL	CBC FORMAT DOMINATES THE FREQUENCY
NW	1060	CJRP	QUEBEC CITY	FF EZL/MOR MX WHEN CHUM OR KYW OFF
NW	1140	CJTR	TROIS RIVIERES	REGULAR IN WRVA SP
NW	1570	CKLM	MONTREAL	DOMINATES FREQUENCY AND SPLATTER ON 1580
NW	1580	CBJ	CHICOUTIMI	CBC FRENCH NETWORK THE WORST SUNSET SKIP RUINING PEST EVER
SA	690	CBF	MONTREAL	CBC FRENCH PROG. IF YOU CAN GET A CJOB NULL
SA	730	CKAC	MONTREAL	WAS EASIER IN DAYS WHEN CKDM HAD SP
SA	850	CKVL	VERDUN	FF ROCK MX AT SUNRISE IN KOA NULL
SA	900	CKVD	VAL D'OR	GOOD AT SUNRISE WITH LOCAL PROG.
SA	940	CBM	MONTREAL	GOOD AT NIGHT IN CJGX NULL
SA	1580	CBJ	CHICOUTIMI	GOOD MOST NIGHTS EASIEST QU. TO GET

SILENT PERIODS

NO INFO THIS TIME

MOST WANTEDS

NO INFO THIS TIME

BEST BETS

NO INFO THIS TIME

BA:ID SCANS

JOHN JOHNSON SENDS IN ONE FROM BILLINGS MONTANA

730	KURL	BILLINGS MT	REL PROG, CHRISTIAN MX DATTIMER PSSA EVENINGS
790	KCHL	BILLINGS MT	C/W MX SERVING BILLINGS FOR OVER 60 YEARS
910	KBLG	BILLINGS MT	NEWS/TALK, NEWS RADIO 91, NSP
970	KCTR	BILLINGS MT	C/W MX, CAT COUNTRY, NSP
1240	KUUS	BILLINGS MT	ROCK OLDIES, US-1240YOUR HIGHWAY TO CLAS_ SIC HITS, NSP
1490	KFBN	LAUREL MT	BUSINESS AND FINANCIAL EX-KBSO

RICH TOEBE PLEASTON CALIF SENDS IN A MAJOR SCAN:

540	KVIP	REDDING CA	RELIGIOUS, INS NX
550	KUZZ	BAKERSFIELD CA	C/W
560	KSFO	SAN FRANCISCO CA	OLDIES, OAKLANDS A's BASEBALL
570	KCNO	ALTURAS CA	C/W
580	KMJ	FRESNO CA	NEWS TALK TALKNET NBC NX
590	KTHO	LAKE TAHOE CA	OLDIES CBS NX

610	KFRC	SAN FRANCISCO CA	40's & 50'sHITS LARRY KING MUTUAL NX
620	KCLQ	HANFORD CA	SPANISH
630	KXDC	MONTERREY CA	EZL
630	KOH	RENO NV	NEWS TALK CBS NX
680	KNBR	SAN FRANCISCO CA	HITS, TALK GIANTS BASEBALL TALKNET
710	KFIA	CARMICHAEL CA	RELIGIOUS & BROKERED SEGMENTS
740	KCBS	SAN FRANCISCO CA	NEWS TALK CBS NX
770	KPLA	MODESTO CA	RELIGIOUS TALK GERMAN SAT MORN.
780	FRW	RENO NV	C/W ABC I NX
790	KOQO	CLOVIS CA	SPANISH
810	KGO	SAN FRANCISCO CA	NX TALK ABC I NX
830	KNCO	GRASS VALLEY CA	OLDIES TALK IN EVENINGS
860	KTRB	MODESTO CA	COUNTRY NBC NX
880	KKMC	SALINAS CA	RELIGIOUS
900	KBIF	FRESNO CA	RELIGIOUS
910	KNEW	OAKLAND CA	COUNTRY
920	KLOC	MODESTO CA	SPANISH
930	KKXX	CHICO CA	RELIGIOUS
940	KFRE	FRESNO CA	COUNTRY MX ABC I NX
960	KABL	OAKLAND	EZL
970	KOOK	MODESTO CA	OLDIES OAKLAND A"S BALL
990	KKIS	PITTSBURG CA	HITS MX
1010	KIQI	SAN FRANCISCO CA	SPANISH
1050	KOPY	SAN FRANCISCO CA	OLDIES
1080	KLRS	SANTA CRUZ CA	SOFT JAZZ
1100	KFAX	SAN FRANCISCO CA	RELIGIOUS
1110	KRCX	SACRAMENTO CA	SPANISH
1140	KRAK	SACRAMENTO CA	COUNTRY
1150	KVRE	SANTA ROSA	ROCK MX
1170	KLOK	SAN JOSE	SPANISH GIANTS BASEBALL
1190	KNBA	VALLEJO CA	COUNTRY
1210	KEBR	SACRAMENTO CA	RELIGIOUS FAMILY RADIO NIGHTS
1220	KDFC	PALO ALTO CA	CLASSICAL
1230	KWG	STOCKTON CA	OLDIES MUTUAL NX
1240	KNRY	MONTERREY CA	TALK,SUN RADIO NET,MUTUAL NX, OAKLAND A"S
1240	KSAC	SACRAMENTO CA	CLASSICAL
1260	KOIT	SAN FRANCISCO CA	SOFT HITS
1280	KJOY	STOCKTON CA	OLDIES, JAZZ,MUTUAL NX
1290	KAZA	GILROY CA	SPANISH
1310	KDIA	OAKLAND CA	URBAN CONTEMPORARY
1320	KGNR	SACRAMENTO CA	OLDIES, OAKLAND A'S BASEBALL
1330	KLBS	LOS BANOS CA	PO'UGUESE SPANISH
1340	KOMY	WATSONVILLE CA	MOYL SPANISH MUTUAL NX
1350	KSRO	SANTA ROSA CA	NEWS TALK ABC TALK RADIO NBC NX
1360	KASH	MODESTO CA	MONEY RADIO GIANTS BASEBALL //102.3 weekends
1370	KEEN	SAN JOSE CA	COUNTRY
1380	KSMJ	SACRAMENTO CA	OLDIES GIANTS BASEBALL
1390	KMIX	TURLOCK CA	COUNTRY MUTUAL NX
1400	KBFN	BERKELEY CA	MONEY RADIO
1420	KSTN	STOCKTON CA	HITS
1430	KNTA	SANTA CLARA CA	SPANISH OAKLAND A'S BASEBALL
1440	KVON	NAPA CA	TALK TALKNET ABC NX
1450	KEST	SAN FRANCISCO CA	RELIGIOUS,COMEDY P.M. DRIVE GERMAN SAT. MORN.
1460	KZXR	SALINAS CA	HEAVY METAL
1470	KXOA	SACRAMENTO CA	BUSINESS RADIO NETWORK
1480	KWUN	CONCORD CA	HITS
1490	KTOB	PETALUMA CA	OLDIES MUTUAL NX
1500	KSJX	SAN JOSE CA	BUSINESS RADIO NET.
1510	KTID	SAN RAFAEL CA	JAZZ,NEW AGE, SOFT ROCK, THE TIDE ID"S
1520	KMPG	HOLLISTER CA	SPANISH
1530	KFBK	SACRAMENTO CA	NEWSTALK ABC TALKRADIO NIGHTS
1550	KKHI	SAN FRANCISCO CA	CLASSICAL
1570	KCVR	LODI CA	EE/SS POP MX //97.7 KWIN NIGHTS
1580	KLOQ	MERCED CA	SPANISH
1590	KLIV	SAN JOSE CA	40-70's EZL
1600	KUBA	YUBA CITY CA	COUNTRY UPI NX
1600	KGST	FRESNO CA	SPANISH
1610	----	NEWARK CA	RADIO NEWARK TIS COMMUNITY INFO

Thanks to all that sent in info. In order to keep things going the next issue will be in September due to a busy summer schedule and a trip to Vancouver. Please have info to me by Aug 15 if possible.

FREQUENCY 1400
STATE FLORIDA

73 AND HAVE A GREAT SUMMER

Shawn

verification signers

Editor: Tim Hall, 350 G St. #F-1
Chula Vista, CA 92010-4559
Deadline: Last Friday of the month

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PROP	CALL	SIGNER'S NAME	TITLE	ADDRESS		WHAT	WHEN	WHO	
550	ONL550	WILLIAM D. JEWELL	DIRT. TRD STAFF	MD HWY ADMIN., BOX 3347	LAVALE, MD	21502	PLB+++ 10	DW	
		COLLEGEVILLE, PA	NOTE #1	W1 SVC FORECAST OFFICE					
		WETTEROLOGIST-IN-CHARGE		RM 302, WORLD WX BLDG.	WASHINGTON, DC	20233	P 20	DW	
550	WSAL	ADDRESS UPDATE		P.O. BOX 5595	WAUSAU, WI	54402		ARC	
570	WUAC	RENEE THOMAS, JR	OFF DIR.	P.O. BOX 7606	BURBANK, CA	91510-7606	L 8	JCY	
580	WELC	COM FACILITIES, EM			TUPELO, MS		LB 5	DW	
		WELLS BAILEY, ADPTS ASST.			AUGUSTA, GA		LMB+ 12	DW	
		ADDRESS UPDATE		P.O. BOX 58	WORCESTER, MA	01602		ARC	
610	WVBC	ADDRESS UPDATE		1257 N. RIVERSIDE, #10	MEDFORD, OR	97501		ARC	
640	WESB	ALLEN POWELL, JR	FRSE.		GREENVILLE, SC		LB+	11	DW
680	WMLA	RENEE ALENE		P.O. BOX 869	CLOVIS, NM	88101	L 14	JCY	
710	WTEB	JOHN WARR, PRES.		1200 17TH ST., #2300	DENVER, CO	80202	L 10	BN	
		BOB BLUM, CE			DENVER, CO		L 14	DW	
		ADDRESS UPDATE		P.O. BOX 2100	CHRISTIANBURG, VA	24065		ARC	
720	WVAL	WILLIAM BAUMGARTER, OWNER			CHARLESTON, SC		L 6	DW	
740	WVPI	ADDRESS UPDATE		652 BRASSE DR.	HUBSON, MI	54016		ARC	
790	WVHL	ADDRESS UPDATE		2070 OVERLAND AVE.	BILLINGS, MT	59102		ARC	
		PAUL MUELLER, EM			BLANDING, UT		L+	9f	DW
800	WVPM	TERRY HOWARD, PD			GREER, SC	29652	LF	8	DW
810	WVNC	ADDRESS UPDATE		508 WESTPORT RD.	KANSAS CITY, MO	64111		ARC	
		WILL BUBBEN, EM		P.O. BOX 1029	JACKSONVILLE, AL	36265	LB+	5	DW
820	WVFA	ADDRESS UPDATE		P.O. BOX 800	LARGO, FL	34649		ARC	
850	WVSM	ADDRESS UPDATE		P.O. BOX 1419	WALDPORO, OR	97394		ARC	
		ADDRESS FOR NEW STATION		U. TENNESSEE, RM 295, CUB					
				P-103 ANDY HOLT TOWER	KNOXVILLE, TN	37996		ARC	
880	WVAF	ADDRESS UPDATE		P.O. BOX 2356	CONROE, TX	77305		ARC	
		ADDRESS UPDATE		1990 OLIVE WAY #1550	SEATTLE, WA	98101		ARC	
890	WVLA	ADDRESS UPDATE		750 W. RIDGEVIEW DR, BOX 1890	ST. GEORGE, UT	84770		ARC	
910	WVSN	ADDRESS UPDATE		4700 SW COUNCIL CREST DR.,					
				P.O. BOX 9791	PORTLAND, OR	97207		ARC	
920	WVOR	ADDRESS UPDATE		101 CONVENTION CENTER DR.	LAS VEGAS, NV	89109		ARC	
940	WVOP	ROSEAN M. MATHEWS, MGR.			HOUSTON, MS		L 5	DW	
		WILLI EMMETT, CE			MACON, GA		Q 5	DW	
950	WVPI	ADDRESS UPDATE		P.O. BOX 777, WASHBURN RD	PRESQUE ISLE, ME	04769		ARC	
960	WVPA	ADDRESS UPDATE		209 N. ELM, P.O. BOX 960	SHENANDOAH, IA	51601		ARC	
		HUBBARD CHRISTIAN, EM			ATHENS, GA		LB 7	DW	
980	WVBC	ADDRESS UPDATE		P.O. BOX 1990	MANITOWOC, WI	54221		ARC	
		BRIAN HICKS, STN MGR.		P.O. BOX 866	HARTWELL, GA	30643	L 8	DW	
990	WVTV	ADDRESS UPDATE		5FFING LAKE RD.	WICHITA FALLS, TX	76705		ARC	
		ALTERNATE ADDRESS		P.O. BOX 787	WICHITA FALLS, TX	76707		ARC	
		ADDRESS UPDATE		80 N. TILLMAN, BOX 11829	MEMPHIS, TN	38111		ARC	
		ADDRESS UPDATE		311 WESTMINSTER MALL	PROVIDENCE, RI	02903		ARC	
		ADDRESS UPDATE		6711 YINGSTON PY	KNOXVILLE, TN	37919		ARC	
1010	WVRC	ADDRESS UPDATE		P.O. BOX 40588	PORTLAND, OR	97240		ARC	
		ADDRESS UPDATE		P.O. BOX 20987	ST. PETERSBURG, FL	33742		ARC	
1030	WVBC	PATRICIA JACOBSEN, OWNER		1160 MARGH ST., #197	SAN LUIS OBISPO, CA	93401	L 226	JCY	
1050	WVBA	BOB DAVIS, PRES.		1217 VALENCIA DR. N.E.	ALBUQUERQUE, NM	87110	L/LM B-10	BN/JCY	
1060	WVNA	ADDRESS UPDATE		5127 TIMBERWOLF DR.	EL PASO, TX	79903		ARC	



WRSQ 105 fm and 1380 am

FREQ	CALL	SIGNER'S NAME / TITLE	ADDRESS	WHAT	WHEN	WHO
1070	WCIR	[ADDRESS UPDATE]	21 AIRPORT INDUSTRIAL PARK	BEAVER, WV	25B13	ARC
1110	XERED	LIC. PEDRO GONZALES DE LA VEGA JR., DIR PROG.		MEXICO CITY, DF		PL+ 12 OW
1120	WADN	[ADDRESS UPDATE]	84 STATE, #920	BOSTON, MA	02109	ARC
1140	KRRR	[ADDRESS UPDATE]	3510 W. HACIENDA	LAS VEGAS, NV	89118	ARC
1150	WYNE	[ADDRESS UPDATE]	P.O. BOX 1035	NEENAH, WI	54956	ARC
1180	WHJM	[ALTERNATE ADDRESS]	P.O. BOX 2313	KNOXVILLE, TN	37901	ARC
1200	WOPA	[ADDRESS FOR NEW STATION]	10242 S. 87TH AVE.	PALOS HILLS, IL	60465	ARC
1210	KEBR	PEGGY RENSCHLER, PROD DIR.	3108 FULTON AVE.	SACRAMENTO, CA	95821	LH 214 JCJ
1230	KGHS	[ADDRESS UPDATE]	201 THIRD ST.	INT'L FALLS, MN	56649	ARC
	KKBR	[ADDRESS UPDATE]	P.O. BOX 9032	GRESHAM, OR	97030	ARC
	KWVZ	[ADDRESS UPDATE]	2917 PACIFIC AV, BOX 1230	EVERETT, WA	98206	ARC
1240	KALY	[ADDRESS UPDATE]	P.O. BOX 22062	ALBUQUERQUE, NM	87154	ARC
	KUUS	[ADDRESS UPDATE]	27 N. 27TH ST.	BILLINGS, MT	59101	ARC
	WARF	DAVID A. POUNDS, ANMCR.		JASPER, AL		LB+ 5 OW
1250	XBRF	[ADDRESS UPDATE]	728 WESTERN AVE. NORTH	FERGUS FALLS, MN	56537	ARC
	WKBR	[ADDRESS UPDATE]	650 ELM ST.	MANCHESTER, NH	03101	ARC
1260	KCVX	[ADDRESS UPDATE]	P.O. BOX 1099	MC MINNVILLE, OR	97128	ARC
	KWHK	[ADDRESS UPDATE]	P.O. BOX 1967	HUTCHINSON, KS	67504	ARC
1270	WJJC	GRABY COOPER, PUB REL DIR.		COMMERCE, GA		LMB 10 OW
	WKBF	[ADDRESS UPDATE]	P.O. BOX 3100	ROCK ISLAND, IL	61204	ARC
	WXYT	[ADDRESS UPDATE]	P.O. BOX 905	DETROIT, MI	48037	ARC
1290	KDIL	[ADDRESS UPDATE]	1108 DOUGLAS	OMAHA, NE	68102	ARC
	WCHY	MARTIN FOGLIA, CE		SAVANNAH, GA		LH 9 OW
	WMPV	[ADDRESS UPDATE]	4222 W. CAPITOL DR.	MILWAUKEE, WI	53216	ARC
1300	MSYD	DEBORAH COCHRAN, TFC MGR.		MT. AIRY, NC		LB 10 OW
1310	WKDK	YVETTE L. SHORE, PD	P.O. BOX 1125	KINGSTREE, SC	29556	LB 8 OW
1320	KSMX	[ADDRESS UPDATE]	6 E. ADLER ST.	WALLA WALLA, WA	99362	ARC
1330	KFH	[ADDRESS UPDATE]	P.O. BOX 1839	WICHITA, KS	67201	ARC
	KMBI	[ADDRESS UPDATE]	S. 5408 FREYA	SPOKANE, WA	99223	ARC
1340	WBBO	GEORGE D. WEISS, PRES.		AUGUSTA, GA	30913-2066	LB 7 OW
	WBAU	LARRY ENGLAND, OP MGR.		ATHENS, GA	30610-4799	LB 8 OW
	WOKE	CARISSIMA BAILEY		CHARLESTON, SC		Q 7 OW
1350	KRYT	PAUL T. JONES, CEO	P.O. BOX 293	PUEBLO, CO	81002	L 5 BN
	WXCL	[ADDRESS UPDATE]	3641 MEADOWBROOK RD.	PEORIA, IL	61604	ARC
1360	WGNH	RON LUCAS, GM	P.O. BOX 246	LAWRENCEVILLE, GA	30246	L 9 OW
	WZPD	RICK L. JONES, GM	P.O. BOX 622	JASPER, AL		L 8 OW
1370	WFEA	[ADDRESS UPDATE]	500 COMMERCIAL ST.	MANCHESTER, NH	03101	ARC
	WMMY	CLARENCE JONES, MGR.		ELLOREE-SANTEE, SC		LrM 8 OW
1380	KQKD	[ADDRESS UPDATE]	RURAL ROUTE 2, BOX 110	REDFIELD, SD	57469	ARC
	WKDM	[ADDRESS UPDATE]	570 SEVENTH AVE. #1406	NEW YORK, NY	10036	ARC
1390	WEGP	[ADDRESS UPDATE]	160 AIRPORT DR.	PRESQUE ISLE, ME	04769	ARC
1400	WMME	[ADDRESS UPDATE]	168 STATE ST.	AUGUSTA, ME	04330	ARC
1410	KBNP	[ADDRESS UPDATE]	400 S.W. BROADWAY	PORTLAND, OR	97205-3379	ARC
1420	KRIZ	[ADDRESS UPDATE]	P.O. BOX 22462	SEATTLE, WA	98122-0462	ARC
	WIMS	[ADDRESS UPDATE]	685 E. 1675 NORTH	MICHIGAN CITY, IN	46360	ARC
1440	WPEH	WENDELL F. STEPHENS		LOUISVILLE, GA		L+ 9 OW
	KJLO	TOM SNYDER		MORDE, LA		LB 9 OW
	KKXL	[ADDRESS UPDATE]	P.O. BOX 997	GRAND FORKS, ND	58206-0997	ARC
	WBCM	[ADDRESS UPDATE]	P.O. BOX 747	BAY CITY, MI	48707	ARC
	WROK	[ADDRESS UPDATE]	P.O. BOX 6186	ROCKFORD, IL	61125	ARC
1450	KFIZ	[ADDRESS UPDATE]	103 W. SCOTT, BOX 1450	FOND DU LAC, WI	54936	ARC
	KKYO	[ADDRESS UPDATE]	925 COUNTRY CLUB RD., #200	EUGENE, OR	97401	ARC
	KSGI	BOB WHITNEY, OP DIR.	P.O. BOX 819	ST. GEORGE, UT	84770	L 71 BN
	KSKR	[ADDRESS UPDATE - NOTE #1]	P.O. BOX 1060	WHITEFISH, MT	59937	ARC
	KUUD	[ADDRESS UPDATE]	125 MENDEN HALL	BOZEMAN, MT	59715	ARC
	KWBW	[ADDRESS UPDATE]	P.O. BOX 1036	HUTCHINSON, KS	67504	ARC
	WMSV	DALE VAN CANTFORT, GM	P.O. BOX 519	MILLEDGEVILLE, GA	31061	Lr+ 5 OW
1460	WBZN	[ADDRESS UPDATE]	2400 S. 102ND ST.	WEST ALLIS, WI	53227	ARC
1470	KERE	L.D. WINEGARDNER, CHIEF OP.	P.O. BOX *6*	ATCHISON, KS	66002	L 560f BA
	WOHD	[ADDRESS UPDATE]	P.O. BOX 167581	TOLEDO, OH	43616	ARC
	WRGA	MICHAEL MC DOUGALD, CED	P.O. BOX 1187	ROME, GA	30161	LB 5 OW
1480	KRRU	ROBERT N. TURNER, MGR.	4211 N. ELIZABETH	PUEBLO, CO	81008	L 20 BN
	WABB	JOHN P. BOWLER, OP MGR.	P.O. BOX 2148	MOBILE, AL	36652	LB 12 OW



FREQ	CALL	SIGNER'S NAME / TITLE	ADDRESS	WHAT	WHEN	WHO
1490	KDBM	LARRY CHAFFIN, OWNER	P.O. BOX 950	DILLON, MT	59725	L 6 JCJ
	KXAR	MARK KEITH, OP MGR.		HOPE, AR		P 9f OM
	KXRE	DELL HUBBARD, TFC SEC'Y	2812 W. COLORADO AVE, #200	COLORADO SPR'S, CO	80904	L 8 BN
	NGEZ	[ADDRESS UPDATE]	1610 PUBLIC AVE., BOX 416	BELDIT, WI	53511	
	WNLS	JOHN STILL, ANCR.	P.O. BOX 1154	MONROE, GA	30655	LB 10 OM
	WTUP	B.J. CRABB, ENG.	P.O. BOX 2439	TUPELO, MS	38803	LB 5 OM
1500	WEAC	ED ELLIOTT, STN MGR.		GAFFNEY, SC		LB+++ 6 OM
	WLOV	[ADDRESS UPDATE]	29200 VASSAR DR.	LIVONIA, MI	48152	
	WTOP	[ADDRESS UPDATE]	3400 IDAHO AVE., N.W.	WASHINGTON, DC	20016	
1520	KOMA	[ADDRESS UPDATE]	P.O. BOX 6000	OKLAHOMA CITY, OK	73135	
	KSDO	[ADDRESS UPDATE]	4614 S.W. KELLEY AVE.	PORTLAND, OR	97201	
1540	KNZS	[ADDRESS UPDATE]	8 HARRIS CT., #5-B	MONTEREY, CA	93940	
1560	WQXR	[ADDRESS UPDATE]	122 FIFTH AVE.	NEW YORK, NY	10011	
	WWMG	JACK HUNTER, PD	P.O. BOX 12040	NASHVILLE, TN	37212	L+ 9 OM
1580	KNUS	WILLIAM H. PACE, CHIEF OP. [ALTERNATE ADDRESS]	P.O. BOX 25166 1309 SAN PEDRO	ALBUQUERQUE, NM ALBUQUERQUE, NM	87125 87110	Lr 34 BN ARC
1590	QDXK	[ILLEGIBLE]		SPRINGDALE, AR		P 19f OM
1600	WFIS	STEVE BLAIR, GM	P.O. BOX 156	FOUNTAIN INN, SC	29644	L 7 OM
1610	KIE718 & KIE723	MARCUS LITTLE, E.T. NATIONAL PARK SERVICE	GREAT SMOKY MTS. N.P. RADIO SHOP	GATLINBURG, TN	37738	PH+ 28 OM

WHAT was received: Q=QSL card, L=Letter, P=Prepared card, Lr=prt used as verie, B=Buamperstickers, M=Map.
WHEN did the reply come: Number of days elapsed. f = Follow-up (report / phone call / visit) was necessary.

- NOTES:
- JOHN'S VERIE WAS FOR THE TIS AT SUGAR LOAF MOUNTAIN, MD., BUT JOHN SUSPECTS THE ADDRESS MAY WORK FOR OTHER NATIONAL WEATHER SERVICE STATIONS AS WELL.
 - TRX: INTERESTING -- WHEN I DROVE THROUGH WHITEFISH IN 1987, I FOUND KSKR'S STUDIO ABANDONED AND UP FOR SALE. STATION HAS BEEN SILENT FOR AT LEAST TWO YEARS. MAYBE COMING BACK ON ?!

Thanks this time to the ARCTIC RADIO CLUB for a very comprehensive set of address updates.

Another month flies by ! No reports out here, as I worked overtime all through June. Hope to send some follow-ups out later in July after the workload dies down a bit. See you next month ! 73, Tim

FCC OKs Filing of Dial Hop Petition

by Charles Taylor

Westland MI The FCC said it will allow daytimer WNZK-AM here to apply for a waiver that would authorize the station to broadcast on 690 kHz with increased power during the day and switch to 680 kHz at night.

The unusual move, which has not occurred since 1950, originally was rejected by the Commission when the station petitioned to change its facilities from daytime-only to unlimited time, increasing daytime power from 1 kW to 5 kW, and operating at 2.5 kW on the adjacent 680 kHz at night. Such a change

would violate FCC rules, the Commission said.

WNZK, which provides an "ethnic" format with programming in 24 languages, resubmitted its request for exception, arguing that it provided a unique foreign language program to minorities in the Detroit area.

The station also explained it could not operate full time at 690 kHz because of severe protection problems toward CBF radio in Montreal. It could not move full time to 680 kHz because of interference that would result with CFTR radio in Toronto.

Birach Broadcasting Corporation,

licensee of the station, found that at night CFTR employs a different antenna directional pattern that would allow a nighttime operation on 680 without interference in the Detroit area.

The FCC responded that "granting Birach's waiver request would not undermine the policies underlying its allocation plan," particularly policies that underlie its decision to restrict AMs to a single channel.

Daytime operation on 690 kHz and nighttime operation on 680 kHz would "enable WNZK, as a full-time station, to provide better service," the Commission said.

The station now is subject to normal FCC administrative procedure in applying for the allocation, according to Kathleen Levitz, an FCC staff attorney.

"It's a function of whether petitions to deny are filed, whether somebody comes in and decides to file a competing application for that frequency," she said.

The Commission added that if similar requests were triggered by this waiver, it would examine whether it should relax its policies against split frequency operation. So far, however, it's too early to tell if Birach's request is a one-time situation, Levitz said.

"It's hard to answer the question right now, because I really don't have a feel for whether Birach is just a corporation that chose to come in and ask, where others decided that the request wouldn't be granted so they didn't try," she said.

For more information, contact Kathleen Levitz at the FCC, 202-254-3394.

Vol 27 Publishing Schedule

1	Sept 9	15	Jan 6	30	May 5
2	30	16	13	31	26
3	Oct 14	17	20	32	Jun 16
4	21	18	27	33	Jul 14
5	28	19	Feb 3	34	Aug 11
6	Nov 4	20	10		
7	11	21	17	Above dates are masthead dates.	
8	18	22	24	Article from Radio World, 6/26/89, via John Johnson	
9	25	23	Mar 3		
10	Dec 2	24	10		
11	9	25	17		
12	16	26	24		
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14	30	28	Apr 7		
		29	21		

THERE IS SAFETY IN NUMBERS BY SHAWN M. AXELROD

Over the years many people have written articles about safety. This article however is about a different aspect of the subject. I do not intend to deal with grounding, torn wires, potential shock hazards etc. The safety I am talking about has to do with the security of your equipment. All of us in the hobby have equipment that is valuable. Granted some of us may own equipment that is worth upwards of \$10,000 or more, while others have equipment worth only \$100. But all of it is valuable. I fall into the lower end of the scale myself HI!!!

Last year I started to protect my household valuables, including my radio equipment by using what our local Police Dept. calls "Operation Identification". This is a program by which home owners or apartment dwellers go through a three part identification process to protect their valuables. First of all you take pictures of every room in the house, the garage & shed etc. This way you have a record of how everything looked before a fire flood break-in etc. You can take separate pictures of such items as stereos jewelry and radio equipment for a close up view of the goods. You could also use a video camera if you have access to one.

Secondly you record the Model and Serial numbers of all of your goods. This is where you really get to know what you have in your radio room. I have the Model and Serial numbers of everything from my ICOM R-70 to my Mini Tun-3 and Clock recorded. This list along with the pictures is kept in a secure place such as a Safety Deposit Box. This secure place should be out side of the home as in case of a major fire or tornado the information would be safer elsewhere.

The third section of Operation Identification is to mark all of your valuables. They recommend that you use a number that nobody else has, so I used my SIN number. This is my Social Insurance Number, in the USA you could use a Social Security** Number. These are never duplicated so your markings will be unique. I bought a cheap \$8.00 electric engraving pencil at the hardware store and engraved my SIN number on all valuables. The idea behind this is it makes it (A) harder to "fence" marked goods, (B) easier to identify your goods when the police recover them.

Now you have the pictures of all of your valuables, You have the Model & Serial Numbers of them listed out and they are marked. Some Police Departments with this type of program will give you stickers to put on doors and windows saying you are part of the project and your home is protected by it. Our local police claim homes under Operation Identification are far less likely to hit by thieves than those homes not in the program. This combined with an alarm system is a good step to keeping your radio room and household valuables safe (A Pit Bull would be a nice touch, but I do not like them HI!!!)

One final thing to consider is the insurance you have. Should you have a major disaster of some kind, will your insurance company replace every thing. I now have Replacement Value Insurance. This means that the insurance company will replace my valuables with new identical units. If you have older radio equipment and your insurance company says although it was worth \$1500 new the devalued price is \$500 you are stuck for the other \$1000 to replace it. Replacement Value Insurance or any other name it may go under, means that my insurance company buys me a brand new ICOM R-71 if mine is lost or stolen. I do not have to come up with a few hundred dollars on my own to replace it. If you have a lot of equipment and furniture you could find yourself with not enough insurance to cover the costs of replacing your goods. Add up the replacement costs of all of your household goods and equipment in today's dollars and then go out and get that amount of insurance. By the way you should remember to up the amount of insurance you carry every two or three years to make up for new goods and to cover inflation costs.

Well enough said about that. By the way I am not an Insurance salesman, but I have seen people find out they were not covered the way they thought they were. Now it is up to you to do what you think is best. I figure for the cost of an \$8.00 engraver, a couple of rolls of film and a few hours of time it is some of the best safety measures you can take in your radio room and or home.

By the way one other little side benefit of all of this marking is if you are out on a DX'pedition with a bunch of people you sure can tell which is your equipment in a most easy way, because there is safety in numbers.

Good luck and may you never need to make a claim after you have done all of this hard work.

**In the US, you should use your driver's license number (plus the two-letter postal code for your state). Social security numbers are supposedly confidential, so police departments don't have access to them. bp/

A GLOSSARY OF PROPAGATION TERMS

- a INDEX. A 3-hourly "equivalent amplitude" index of local geomagnetic activity; "a" is related to the 3-hourly K INDEX according to the following scale:
- | | | | | | | | | | | |
|---|---|---|---|----|----|----|----|-----|-----|-----|
| K | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| a | 0 | 3 | 7 | 15 | 27 | 48 | 80 | 140 | 240 | 400 |
- A INDEX. A daily index of geomagnetic activity derived as the average of the eight 3-hourly a indices.
- ACTIVE. Geomagnetic levels such that $15 \leq Ap < 30$.
- ACTIVE DARK FILAMENT (ADF). An ACTIVE PROMINENCE seen on the DISK.
- ACTIVE LONGITUDE. The approximate center of a range of heliographic longitudes in which ACTIVE REGIONS are more numerous and more FLARE-active than the average.
- ACTIVE PROMINENCE. A PROMINENCE displaying material motion and changes in appearance over a few minutes of time.
- ACTIVE PROMINENCE REGION (APR). A portion of the solar LIMB displaying ACTIVE PROMINENCES.
- ACTIVE REGION (AR). A localized, transient volume of the solar atmosphere in which PLAGES, SUNSPOTS, FACULAE, FLARES, etc. may be observed.
- ACTIVE SURGE REGION (ASR). An ACTIVE REGION that exhibits a group or series of spike-like surges that rise above the limb.
- AFRED. Abbreviation for the A INDEX for Fredericksburg.
- ANGSTROM. A unit of length = 1.0E-08cm.
- Ap INDEX. An averaged planetary A INDEX based on data from a set of specific stations.
- ARCH FILAMENT SYSTEM (AFS). A bright, compact PLAGE crossed by a system of small, arched FILAMENTS, which is often a sign of rapid or continued growth in an ACTIVE REGION.
- ASTRONOMICAL UNIT (AU). The mean earth-sun distance, equal to 1.496E+13cm or 214.94 solar radii.
- AURORA. A faint visual phenomenon associated with geomagnetic activity, which occurs mainly in the high-latitude night sky; typical auroras are 100 to 250 km above the ground.
- AURORAL OVAL. An oval band around each geomagnetic pole which is the locus of structured AURORAE.
- AUTUMNAL EQUINOX. The EQUINOX that occurs in September.
- BARTEL'S ROTATION NUMBER. The serial number assigned to 27-day rotation periods of solar and geophysical parameters. Rotation 1 in this sequence was assigned arbitrarily by Bartel to begin in January 1933.
- BRIGHT SURGE ON THE DISK (BSD). A bright gaseous stream (SURGE) emanating from the CHROMOSPHERE.
- BRIGHT SURGE ON THE LIMB (BSL). A large gaseous stream (SURGE) that moves outward more than 0.15 solar radius above the LIMB.
- BURST. A transient enhancement of the solar RADIO EMISSION, usually associated with an ACTIVE REGION or FLARE.
- CARRINGTON LONGITUDE. A system of fixed longitudes rotating with the sun.
- CENTIMETER BURST. A solar radio burst in the centimeter wavelength range.
- CENTRAL MERIDIAN PASSAGE (CMP). The passage of an ACTIVE REGION or other feature across the longitude meridian that passes through the apparent center of the solar DISK.
- CHROMOSPHERE. The layer of the solar atmosphere above the PHOTOSPHERE and beneath the TRANSITION REGION and the CORONA.
- CONJUGATE POINTS. Two points on the earth's surface, at opposite ends of a geomagnetic field line.
- CONTINUUM STORM (CTM). General term for solar noise lasting for hours and sometimes days.
- COORDINATED UNIVERSAL TIME. By international agreement, the local time at the prime meridian, which passes through Greenwich, England. Therefore, it is also known as GREENWICH MEAN TIME, or sometimes simply UNIVERSAL TIME.
- CORONA. The outermost layer of the solar atmosphere, characterized by low densities ($< 1.0E+09/cc$) and high temperatures ($> 1.0E+06deg.K$).
- CORONAL HOLE. An extended region of the CORONA, exceptionally low in density and associated with unipolar photospheric regions.
- CORONAL RAIN (CRN). Material condensing in the CORONA and appearing to rain down into the CHROMOSPHERE as observed in H-ALPHA at the solar LIMB above strong SUNSPOTS.
- CORONAL TRANSIENTS. A general term for short-time-scale changes in the CORONA, but principally used to describe outward-moving PLASMA clouds.
- COSMIC RAY. An extremely energetic (relativistic) charged particle.
- CROCHET. A sudden deviation in the sunlit geomagnetic field (H component; see GEOMAGNETIC ELEMENTS) associated with large solar FLARE X-ray emission.

D REGION. A daytime layer of the earth's IONOSPHERE approximately 50 to 90 km in altitude.

DARK SURGE ON DISK (DSD). Dark gaseous ejections visible in H-ALPHA.

DIFFERENTIAL ROTATION. The change in SOLAR ROTATION RATE with latitude. Low latitudes rotate at a faster angular rate (approx. 14 degrees per day) than do high latitudes (approx. 12 degrees per day).

DISAPPEARING SOLAR FILAMENT (DSF). The sudden (timescale of minutes to hours) disappearance of a solar FILAMENT (PROMINENCE).

DISK. The visible surface of the sun (or any heavenly body) projected against the sky.

Dst INDEX. A geomagnetic index describing variations in the equatorial RING CURRENT.

E REGION. A daytime layer of the earth's ionosphere roughly between the altitudes of 85 and 140 km.

EMERGING FLUX REGION (EFR). An area on the sun where new magnetic flux is erupting.

ERUPTIVE PROMINENCE ON LIMB (EPL). A solar PROMINENCE that becomes activated and is seen to ascend from the sun.

EXTREMELY LOW FREQUENCY (ELF). That portion of the radio frequency spectrum from 30 to 3000 hertz.

EXTREME ULTRAVIOLET (EUV). A portion of the electromagnetic spectrum from approximately 100 to 1000 angstroms.

F CORONA. Of the white-light CORONA (that is, the corona seen by the eye at a total solar ECLIPSE), that portion which is caused by sunlight scattered or reflected by solid particles (dust) in interplanetary space.

F REGION. The upper layer of the IONOSPHERE, approximately 120 to 1500 km in altitude. The F region is subdivided into the F1 and F2 regions. The F2 region is the most dense and peaks at altitudes between 200 and 600 km. The F1 region is a smaller peak in electron density, which forms at lower altitudes in the daytime.

FACULA. A bright region of the PHOTOSPHERE seen in white light, seldom visible except near the solar LIMB.

FIBRIL. A linear pattern in the H-ALPHA CHROMOSPHERE of the sun, as seen through an H-alpha filter, occurring near strong SUNSPOTS and PLAGE or in FILAMENT channels.

FILAMENT. A mass of gas suspended over the PHOTOSPHERE by magnetic fields and seen as dark lines threaded over the solar DISK. A filament on the LIMB of the sun seen in emission against the dark sky is called a PROMINENCE.

FILAMENT CHANNEL. A broad pattern of FIBRILS in the CHROMOSPHERE, marking where a FILAMENT may soon form or where a filament recently disappeared.

FLARE. A sudden eruption of energy on the solar DISK lasting minutes to hours, from which radiation and particles are emitted.

fMIN. The lowest radiowave frequency that can be reflected from the IONOSPHERE.

foEs. The maximum ORDINARY MODE radiowave frequency capable of reflection from the SPORADIC E REGION of the IONOSPHERE.

foF2. The maximum ORDINARY MODE radiowave frequency capable of reflection from the F2 REGION of the IONOSPHERE.

FORBUSH DECREASE. An abrupt decrease, of at least 10%, of the background galactic COSMIC RAY intensity as observed by neutron monitors.

GAMMA. A unit of magnetic field intensity equal to $1 \times 10.0E-05$ GAUSS, also equal to 1 NANOTESLA.

GAMMA RAYS. High energy radiation (energies in excess of 100 keV) observed during large, extremely energetic solar FLARES.

GAUSS. The unit of magnetic induction in the cgs (centimeter-gram-second) system.

GEOMAGNETIC ELEMENTS. The components of the geomagnetic field at the surface of the earth. In SESC use, the northward and eastward components are often called the H and D components, where the D component is expressed in gammas and is derived from D (the declination angle) using the small angle approximation.

GEOMAGNETIC FIELD. The magnetic field observed in and around the earth. The intensity of the magnetic field at the earth's surface is approximately 0.32 gauss at the equator and 0.62 gauss at the north pole.

GEOMAGNETIC STORM. A worldwide disturbance of the earth's magnetic field, distinct from regular diurnal variations.

Minor Geomagnetic Storm: A storm for which the Ap index was greater than 29 and less than 50.

Major Geomagnetic Storm: A storm for which the Ap index was greater than 49 and less than 100.

Severe Geomagnetic Storm: A storm for which the Ap index was 100 or more.

- Initial Phase: Of a geomagnetic storm, that period when there may be an increase of the MIDDLE-LATITUDE horizontal intensity (H).
- Main Phase: Of a geomagnetic storm, that period when the horizontal magnetic field at middle latitudes is generally decreasing.
- Recovery Phase: Of a geomagnetic storm, that period when the depressed northward field component returns to normal levels.
- GEOSYNCHRONOUS. Term applied to any equatorial satellite with an orbital velocity equal to the rotational velocity of the earth. The net effect is that the satellite is virtually motionless with respect to an observer on the ground.
- GMT. Greenwich Mean Time. (See COORDINATED UNIVERSAL TIME.)
- GRADUAL COMMENCEMENT. The commencement of a geomagnetic storm that has no well-defined onset.
- GRANULATION. Cellular structure of the PHOTOSPHERE visible at high spatial resolution.
- GREEN LINE. The green line is one of the strongest (and first-recognized) visible coronal lines. It identifies moderate temperature regions of the CORONA.
- Greenwich Mean Time. See COORDINATED UNIVERSAL TIME.
- GROUND-LEVEL EVENT (GLE). A sharp increase in ground-level COSMIC RAY count to at least 10% above background, associated with solar protons of energies greater than 500 MeV. GLEs are relatively rare, occurring only a few times each SOLAR CYCLE.
- H-ALPHA. This ABSORPTION LINE of neutral hydrogen falls in the red part of the visible spectrum and is convenient for solar observations. The H-alpha line is universally used for patrol observations of solar flares.
- H-component of the Geomagnetic Field. See GEOMAGNETIC ELEMENTS.
- HIGH FREQUENCY (HF). That portion of the radio frequency spectrum between 3 and 30 MHz.
- HIGH LATITUDES. With specific reference to zones of geomagnetic activity, "high latitudes" refers to 50° to 80° geomagnetic.
- HIGH-SPEED STREAM. A feature of the SOLAR WIND having velocities that are about double average solar wind values.
- HOMOLOGOUS FLARES. Solar flares that occur repetitively in the same ACTIVE REGION, with essentially the same position and with a common pattern of development.
- HYDR FLARE. A FILAMENT-associated TWO-RIBBON FLARE, often occurring in spotless regions. The flare presumably results from the impact on the CHROMOSPHERE of infalling FILAMENT material.
- INTERPLANETARY MAGNETIC FIELD (IMF). The magnetic field carried with the SOLAR WIND.
- IONOSPHERE. The region of the earth's upper atmosphere containing a small percentage of free electrons and ions produced by photoionization of the constituents of the atmosphere by solar ultraviolet radiation at very short wavelengths (<1000 angstroms). The ionosphere significantly influences radiowave propagation of frequencies less than about 30 MHz.
- IONOSPHERIC STORM. A disturbance in the F REGION of the IONOSPHERE, which occurs in connection with geomagnetic activity.
- K CORONA. Of the white-light CORONA (that is, the corona seen by the eye at a total solar eclipse), that portion which is caused by sunlight scattered by electrons in the hot outer atmosphere of the sun.
- K INDEX. A 3-hourly quasi-logarithmic local index of geomagnetic activity relative to an assumed quiet-day curve for the recording site. Range is from 0 to 9. The K index measures the deviation of the most disturbed horizontal component.
- KELVIN. A unit of absolute temperature.
- Kp INDEX. A 3-hourly planetary geomagnetic index of activity generated in Göttingen, Germany, based on the K INDEX from 12 or 13 stations distributed around the world.
- LEADER SPOT. In a magnetically bipolar or multipolar SUNSPOT group, the western part precedes and the main spot in that part is called the leader.
- LIGHT BRIDGE. Observed in white light, a bright tongue or streaks penetrating or crossing SUNSPOT UMBRAE. The appearance of a light bridge is frequently a sign of impending region division or dissolution.
- LIMB. The edge of the solar DISK.
- LIMB FLARE. A solar FLARE seen at the edge (LIMB) of the sun.
- LOOP PROMINENCE SYSTEM (LPS). A system of loop prominences associated with major FLARES.
- LOW FREQUENCY (LF). That portion of the radio frequency spectrum from 30 to 300 kHz.
- M 3000. The optimum HIGH FREQUENCY radio wave with a 3000 km range, which reflects only once from the IONOSPHERE (single hop transmission).

MAGNETIC BAY. A relatively smooth excursion of the H (horizontal) component (see GEOMAGNETIC ELEMENTS) of the geomagnetic field away from and returning to quiet levels.

MAGNETOGRAM. Solar magnetograms are a graphic representation of solar magnetic field strengths and polarity.

MAGNETOPAUSE. The boundary layer between the SOLAR WIND and the MAGNETOSPHERE.

MAGNETOSPHERE. The magnetic cavity surrounding the earth, carved out of the passing SOLAR WIND by virtue of the GEOMAGNETIC FIELD, which prevents, or at least impedes, the direct entry of the solar wind PLASMA into the cavity.

MeV. Mega (million) electronvolt. A unit of energy used to describe the total energy carried by a particle or photon.

MEDIUM FREQUENCY (MF). That portion of the radio frequency spectrum from 0.3 to 3 MHz.

MICROWAVE BURST. A radiowave signal associated with optical and/or X-ray FLARES.

MIDDLE LATITUDES. With specific reference to zones of geomagnetic activity, "middle latitudes" refers to 20 deg. to 50 deg. geomagnetic.

MOUNT WILSON MAGNETIC CLASSIFICATIONS.

Alpha. Denotes a unipolar SUNSPOT group.

Beta. A sunspot group having both positive and negative magnetic polarities, with a simple and distinct division between the polarities.

Beta-Gamma. A sunspot group that is bipolar but in which no continuous line can be drawn separating spots of opposite polarities.

Delta. A complex magnetic configuration of a solar sunspot group consisting of opposite polarity UMBRAe within the same PENUMBRA.

Gamma. A complex ACTIVE REGION in which the positive and negative polarities are so irregularly distributed as to prevent classification as a bipolar group.

NANOTESLA (nT). A unit of magnetism 10.0E-09 tesla, equivalent to a gamma (10.0E-05 gauss).

NEUTRAL LINE. The line that separates longitudinal magnetic fields of opposite polarity.

PENUMBRA. The SUNSPOT area that may surround the darker UMBRA or umbrae. It consists of linear bright and dark elements radial from the sunspot umbra.

PERSISTENCE. Continuation of existing conditions. When a physical parameter varies slowly, the best prediction is often persistence.

PHOTOSPHERE. The lowest layer of the solar atmosphere; corresponds to the solar surface viewed in WHITE LIGHT. SUNSPOTS and FACULAE are observed in the photosphere.

PLAGE. An extended emission feature of an ACTIVE REGION that exists from the emergence of the first magnetic flux until the widely scattered remnant magnetic fields merge with the background.

PLAGE CORRIDOR. A space in chromospheric (see CHROMOSPHERE) PLAGE lacking plage intensity, coinciding with polarity inversion line.

PLASMA. Any ionized gas, that is, any gas containing ions and electrons.

POLAR CAP ABSORPTION (PCA). An anomalous condition of the polar IONOSPHERE whereby HF and VHF (3 - 300 MHz) radiowaves are absorbed, and LF and VLF (3 - 300 kHz) radiowaves are reflected at lower altitudes than normal. In practice, the absorption is inferred from the proton flux at energies greater than 10 MeV, so that PCAs and PROTON EVENTS are simultaneous. Transpolar radio paths may still be disturbed for days, up to weeks, following the end of a proton event.

POST-FLARE LOOPS. A LOOP PROMINENCE SYSTEM often seen after a major TWO-RIBBON FLARE, which bridges the ribbons.

PROMINENCE. A term identifying cloud-like features in the solar atmosphere. The features appear as bright structures in the CORONA above the solar LIMB and as dark FILAMENTS when seen projected against the solar DISK.

PROTON EVENT. By definition, the measurement of at least 10 protons/sq.cm/sec/steradian at energies greater than 10 MeV.

PROTON FLARE. Any FLARE producing significant FLUXes of greater-than-10 MeV protons in the vicinity of the earth.

QUIESCENT PROMINENCE (FILAMENT). Long, sheet-like prominences nearly vertical to the solar surface.

QUIET. A descriptive word specifically meaning geomagnetic levels such that $A_p < 3$ (see A_p INDEX).

- RADIO EMISSION.** Emissions of the sun in radio wavelengths from centimeters to dekameters, under both quiet and disturbed conditions.
- Type I. A noise storm composed of many short, narrow-band bursts in the metric range (300 - 50 MHz).
- Type II. Narrow-band emission that begins in the meter range (300 MHz) and sweeps slowly (tens of minutes) toward deka-meter wavelengths (10 MHz). Type II emissions occur in loose association with major FLARES and are indicative of a SHOCK wave moving through the solar atmosphere.
- Type III. Narrow-band bursts that sweep rapidly (seconds) from decimeter to dekameter wavelengths (500 - 0.5 MHz). They often occur in groups and are an occasional feature of complex solar ACTIVE REGIONS.
- Type IV. A smooth continuum of broad-band bursts primarily in the meter range (300 - 30 MHz). These bursts are associated with some major flare events beginning 10 to 20 minutes after the flare maximum, and can last for hours.
- RECURRENCE.** Used especially in reference to the recurrence of physical parameters every 27 days (the rotation period of the sun).
- RIOMETER** (Relative Ionospheric Opacity meter). A specially designed radio receiver for continuous monitoring of COSMIC NOISE. The absorption of cosmic noise in the polar regions is very sensitive to the solar low-energy cosmic ray flux.
- SECTOR BOUNDARY.** In the SOLAR WIND, the area of demarcation between sectors, which are large-scale features distinguished by the predominant direction of the interplanetary magnetic field, toward or away from the sun.
- SHORT WAVE FADE (SWF).** A particular ionospheric solar flare effect under the broad category of sudden ionospheric disturbances (SIDs) whereby short-wavelength radio transmissions, VLF, through HF, are absorbed for a period of minutes to hours.
- SMOOTHED SUNSPOT NUMBER.** An average of 13 monthly RI numbers, centered on the month of concern.
- SOLAR COORDINATES.**
- Central Meridian Distance (CMD). The angular distance in solar longitude measured from the central meridian.
- SOLAR CYCLE.** The approximately 11-year quasi-periodic variation in frequency or number of solar active events.
- SOLAR MAXIMUM.** The month(s) during the SOLAR CYCLE when the 12-month mean of monthly average SUNSPOT NUMBERS reaches a maximum. The most recent solar maximum occurred in December 1979.
- SOLAR MINIMUM.** The month(s) during the SOLAR CYCLE when the 12-month mean of monthly average SUNSPOT NUMBERS reaches a minimum.
- SOLAR SECTOR BOUNDARY (SSB).** The apparent solar origin, or base, of the interplanetary SECTOR BOUNDARY marked by the larger-scale polarity inversion lines.
- SOLAR WIND.** The outward flux of solar particles and magnetic fields from the sun. Typically, solar wind velocities are near 350 km/s.
- SPORADIC E.** A phenomenon occurring in the E REGION of the IONOSPHERE, which significantly affects HF radiowave propagation. Sporadic E can occur during daytime or nighttime and it varies markedly with latitude.
- SUDDEN COMMENCEMENT (SC, or SSC for Storm Sudden Commencement).** An abrupt increase or decrease in the northward component of the geomagnetic field, which marks the beginning of a GEOMAGNETIC STORM.
- SUDDEN IMPULSE (SI+ or SI-).** A sudden perturbation of several gammas in the northward component of the low-latitude geomagnetic field, not associated with a following GEOMAGNETIC STORM. (An SI becomes an SC if a storm follows.)
- SUDDEN IONOSPHERIC DISTURBANCE (SID).** HF propagation anomalies due to ionospheric changes resulting from solar FLARES, PROTON EVENTS and GEOMAGNETIC STORMS.
- SUNSPOT.** An area seen as a dark spot on the PHOTOSPHERE of the sun. Sunspots are concentrations of magnetic flux, typically occurring in bipolar clusters or groups. They appear dark because they are cooler than the surrounding photosphere.
- SUNSPOT GROUP CLASSIFICATION** (Modified Zurich Sunspot Classification).
- A - A small single unipolar SUNSPOT or very small group of spots without PENUMBRA.
 - B - Bipolar sunspot group with no penumbra.
 - C - An elongated bipolar sunspot group. One sunspot must have penumbra.
 - D - An elongated bipolar sunspot group with penumbra on both ends of the group.
 - E - An elongated bipolar sunspot group with penumbra on both ends. Longitudinal extent of penumbra exceeds 10 deg. but not 15 deg.

F - An elongated bipolar sunspot group with penumbra on both ends. Longitudinal extent of penumbra exceeds 15 deg.

H - A unipolar sunspot group with penumbra.

SUNSPOT NUMBER. A daily index of SUNSPOT activity (R), defined as

$R = k(10g + s)$ where S = number of individual spots, g = number of sunspot groups, and k is an observatory factor.

SURGE. A jet of material from ACTIVE REGIONS that reaches coronal heights and then either fades or returns into the CHROMOSPHERE along the trajectory of ascent.

TWO-RIBBON FLARE. A FLARE that has developed as a pair of bright strands (ribbons) on both sides of the main inversion ("neutral") line of the magnetic field of the ACTIVE REGION.

TYPE I, II, III, IV. See RADIO EMISSION

U BURST. A fast radio burst spectrum of a FLARE. It has a U-shaped appearance in an intensity-vs.-frequency plot.

ULTRA HIGH FREQUENCY (UHF). Those radio frequencies exceeding 300 MHz.

UMBRA. The dark core or cores (umbrae) in a SUNSPOT with PENUMBRA, or a sunspot lacking penumbra.

UNIVERSAL TIME (UT). See COORDINATED UNIVERSAL TIME.

UNSETTLED. With regard to geomagnetic levels, a descriptive word specifically meaning that $7 < \text{the Ap INDEX} < 15$.

VERY HIGH FREQUENCY (VHF). That portion of the radio frequency spectrum from 30 to 300 MHz.

VERY LOW FREQUENCY (VLF). That portion of the radio frequency spectrum from 3 to 30 kHz.

WHITE LIGHT (WL). Sunlight integrated over the visible portion of the spectrum (4000 - 7000 angstroms) so that all colors are blended to appear white to the eye.

WHITE LIGHT FLARE. A major FLARE in which small parts become visible in white light. Such flares are usually strong X-ray, radio, and particle emitters.

WOLF NUMBER. An historic term for SUNSPOT NUMBER. In 1849, R. Wolf of Zurich originated the general procedure for computing the sunspot number.

X-RAY BACKGROUND. A daily average background X-ray FLUX in the 1 to 8 angstrom range. It is a midday minimum designed to reduce the effects of FLAREs.

X-RAY BURST. A temporary enhancement of the X-ray emission of the sun. The time-intensity profile of soft X-ray bursts is similar to that of the H-ALPHA profile of an associated FLARE.

X-RAY FLARE CLASS. Rank of a FLARE based on its X-ray energy output. Flares are classified by the order of magnitude of the peak burst intensity (I) measured at the earth in the 1 to 8 angstrom band as follows:

Class	(in Watt/sq. Meter)
B	$I < 10.0E-06$
C	$10.0E-06 \leq I \leq 10.0E-05$
M	$10.0E-05 \leq I \leq 10.0E-04$
X	$I \geq 10.0E-04$

ZURICH SUNSPOT CLASSIFICATION. A sunspot classification system that has been modified for SESC use.

This article originally appeared on the HAM-NET Computer BBS located in San Diego California. The telephone number of the HAM-NET Computer BBS for those interested is (619) 279-3921. The article was copied and sent to IRCA by Albert S. Lobel of San Diego California. It was sent in its entirety. The only changes made were to add page numbers where appropriate to the original document. Any-one copying or otherwise using this document MUST give full credit to HAM-NET Computer BBS located in San Diego, California, IRCA and Albert S. Lobel, San Diego California!!

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We have received numerous inquiries about Michael T. Kirby, K4VFX, P.O. Box 4282, 1600 W. 10th St., Panama City, FL 32401. Readers report that they have received postcards from him offering items for sale that they had listed in wanted ads. Letters requesting more information were unanswered; his phone number is "nonpublished at the customer's request." A subscriber, sending a check in mid-January, had not yet received his items as of March 10th. Other more recent orders also have not been received.

Antique Radio Classifieds, via John Sampson, via Ernest Cooper

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The file on Mike Kirby of Panama City, Fl. (see A.R.C., April and May pages 3) is growing:

- Summary of reports so far:
- Persons receiving quotes:44
- Persons sending money:27
- Persons receiving refunds:18
- Refund checks which bounced:9
- Bounced checks not yet replaced with a money order:4
- Persons receiving merchandise:0

Several readers report that a strong letter requesting a refund resulted in their receiving a prompt money order refund. Please keep A.R.C. up-to-date on the status of your orders.

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1650 KHz). "DX Monitor", the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. "DX Monitor" contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

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