



DX News

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NUMBER 1

This issue of DX NEWS is dedicated to the memory of RALPH JOHANNNS, long one of the NRC's most active members and beloved characters. Ralphie's style was unique and will be sorely missed by all.

678
30
64
772

In This Issue

NRC Log Updater..... Convention Report..... NRC Membership ..41.....

Information on FEI AITAZIMUTA LOOP KITS..... broadcasting News Column

Info..... BCB Antenna Tuner article.....

(State of the NRC report held over until next time; DDXD skipped this week due to RK's move to Emerson College - DDXD resumed next issue)

.....
1969 DOMESTIC DX'ER OF THE YEAR..... Frank Waldron

1969 INTERNATIONAL DX'ER OF THE YEAR..... César Obispo

1969 CPC MEMBER OF THE YEAR..... Len Kruse
.....

SKED-

9/27, 10/11, 10/18 and then weekly until March.

UNMASTER! it's Thurs: AM and ERC's section has still not arrived - even though it was special delivery posted on MM. We'll have to go to press w/out Musings this time; we've made up the 15 pages budgeted to Musings this week with filler on a last-minute crash basis. Update ur Musings for next issue, please!

New Members!

Jim Chrislip, 4472 Barrington Dr., Youngstown, O. 44515
 Richard Clark, 144 N. Ditheridge St., Pittsburgh, Pa., 15213
 Mike Daniels, 226 E. Glendale Rd., Webster Groves, Mo. 63119
 Stan Garfield, 53 Glenwood Rd., Tenafly, N.J., 97670
 Chris Hambly, 47 Chessell St., Box Hill Nth, Victoria, Australia 3129
 Frank Johnson, c/o Hillside Home, 153 Main St., Belfast, Me. 04915 (Rejoin!)
 Mark Katz, 359 Mystic St., Arlington, Mass. 02174
 Robert F. Leamy, Jr., 4649 Eastway Ct. Apt. E, Columbus, O. 43213 (Rejoin!)
 Sheldon Swartz, 41 Pole Plain Rd., Sharon, Mass. 02067

Chris Hambly is our first DU airmail subscriber; we look forward to his reports! If you happen to live near one of our new members, why not give them a call and welcome them to the NRC?

LOOP KITS

on the volume of mail we're getting and the comments of the members at the Convention last week, it would seem that quite a few members would be interested in a FET Altazimuth LOOP KIT.

We have already carefully investigated the possibility of manufacturing this loop antenna on a commercial basis; the situation is the same as in the case of a MW DX receiver - there just aren't enough potential customers to make it a profitable venture.

We think that probably the best way to make this antenna available to as many members as possible is to produce kits containing all of the unusual and hard to make such as the tuning capacitor, Number 12 wire, mounting plates, etc.

As presently envisioned, we'd make up two different kits - one for the basic antenna frame without the FET amplifier; and one complete with FET amplifier kit. The only items omitted would be the wooden crossarms and center mast; would be easy to obtain locally that it's probably not worthwhile to go to the trouble and expense of shipping these rather large pieces all around the country.

Given the plans and the kit, a goodly number of members should be able to construct the antenna with little or no difficulty; once the membership begins to construct and use this antenna in fairly large numbers, those with working loops should be able to help their nearby fellow DX'ers build them too.

So in the absence of commercial manufacturing facilities, it would seem that the best way to make this antenna available to the membership as widely as possible is to provide a parts kit and rely on the cooperative spirit of the NRC membership to propagate the necessary expertise. We found it impossible to "health" this antenna (that is, give such detailed and explicit instructions that anyone could build one) - the plans would have taken at least 50 pages. And even health, which has vast experience in writing instruction manuals, gets an estimated high fraction of returns due to construction errors!

We think that the kits would be roughly priced at about \$15 for the frame and perhaps about \$12 more for the FET amplifier kit. The exact price depends on how many pieces we can buy at once. For this reason we need a good idea of how many members would be interested enough in loop kits to purchase them in the next few months - if you'd seriously be interested in purchasing a kit, please drop us a card and tell us so! Because of the relatively large amounts of money involved, we'll probably take advance orders. Please let us know if you're interested and whether or not we should go ahead with this project!

GOUGH!

Beginning in the September 27th issue of DX NEWS, the NRC will offer a new service to its membership - a digest of news of broadcasting obtained from newspapers, magazines, and official sources.

The editor will be Paul Gough, who earns his living as a medical-science writer in New Haven.

Reader response will be necessary for success of this venture, and it shouldn't take much effort to provide more than enough material for publication on a biweekly schedule.

News can be almost anything: Unusual happenings, new equipment, an FCC action, on the air early for another, or even the date of local elections may mean stations will stay on later than usual to report results.

The source of information can be your own DX'ing, or through reading of newspapers and magazines. Of special interest are items available only locally which could be of interest to the rest of the membership - if they heard of it.

Clippings, marked with name and date of publication will be returned if accompanied by a self addressed envelope (I'll provide the postage). If you submit an item yourself, please either type it or print in block letters - handwriting in script tends to increase the possibility of error.

Each item will have two credits: the name of the person who sent it in and the date and name of publication if from a published source. This is important so other may get additional information if they wish. Bear in mind that long items may have to be condensed into a few paragraphs.

There are no special sources of this type of information - only people like you. All the editor will do is collect the material and write it up so that all members may share it. Your support is needed - in fact this effort will depend upon it. If you share what you find with others, we will all profit.

Submit items to Paul Gough, Box 261, Wallingford, Conn. 06495. Sunday deadline.

FET ALTAZIMUTH LOOP ANTENNA

Response to the Altazimuth FET Loop plans published last issue has been very heavy - comments range from "The plans are so clear and explicit and detailed that even a complete neophyte like myself can build one..." to "You've got to be an engineer to build one...". I sympathize entirely with those of you who found the plans somewhat staggering when you first encountered them; this is the most advanced and sophisticated antenna of its type ever presented and I found it extremely difficult to draw an over-all sketch that would allow immediate visualization. The picture on page "C" is the most important - it shows the relative positions of the basic parts as well as the altazimuth (i.e., tilting and rotating) operation. I took great care to include as many details as possible; once the overall structure is sketched the actual construction should proceed smoothly. If you're having trouble picturing it in your mind, sit down and study the plans carefully; in particular, make up the lettered parts on page "C" with the various details shown on other pages. Any member who studies the plans for even 1% of the time it took to draw them ought to understand the antenna pretty well. If you're hung up on one particular part or detail, drop me a card and I'll try to clarify in the next issue. See elsewhere in this issue for information on FET LOOP KITS!

NRC CONVENTION 1969

Fifty-six DX'ers and guests gathered in St. Louis over Labor Day weekend for the NRC's 1969 Convention. A total of 22 states were represented, and two Canadian members also attended.

Members began arriving at the Parkway House on Thursday night and were greeted at the desk by the motel's mascot - a large green-eyed elephant. Registration and informal discussions were the order of the day on Friday.

Saturday morning a large contingent of NRC'ers visited the world's largest brewery: Anheuser-Busch in downtown St. Louis. After lunch members received the "red-carpet treatment" at the studios of WIL-1430 and KXEN-1010.

On Saturday evening the annual Convention Banquet was followed by a talk on DX'ing from Hawaii by Richard Wood. In the DX Quiz, John Gifford captured first prize, a Realistic tape recorder. The top winners in the door prize drawing were Chuck Rader who received a genuine Mississippi Log, and Bill Raczkowski who took home a Realistic transistor radio.

Also, during the program Ernie Cooper announced the Domestic DX'er Award winner: Frank Waldron, and presented the "Wayne Heinen Cup" to John Dailer. Monitor Reports editor Bob Foxworth announced the selection of *Monitor* editor as International DX'er of the Year. Jerry Starr presented the award plaque for outstanding CPC work to Len Kruse and Janette Edge awarded the Ray Dodge Memorial Trophy to Richard Wood of Hawaii. Gordon Nelson received the "Man of the Year" plaque from ANARC committee chairman Glenn Hauser.

Representing the Publishing Committee, Gordon Nelson gave a "State of the NRC" address and fielded member's questions and suggestions on club operations and the plans for the coming DX year.

The slogan became "Paramas" in '70 near the close of the business meeting, as Russ Edmunds presented a convention bid on behalf of the New York City area NRC'ers. Convention-goers voiced unanimous approval of the New York City area for the next Convention.

Following a Sunday morning sleep session, members gathered in the afternoon for a technical discussion led by Dave Fischer and Gordon Nelson. The discussion continued late into the evening, followed by slide presentations by Wayne Plunkett and Russ Edmunds. Picture-taking and other sundry activities also highlighted Sunday's schedule.

MM DX found several TA carriers penetrating to the mid-west (see DXD this week - GPN). Also, members logged a DX Test from "Jolly Roger Radio", a bootleg operation on 1580 transmitting from the Cincinnati area with a 11' foot vertical antenna; the Convention-goers put through a call to the announced number and were informed that the station had already received calls from Virginia, New York, and Massachusetts. DX'ing was done from the motel with a Collins 442B brought by Bob Gorsuch, used in conjunction with a variety of loops.

Under cloudy Labor Day skies, NRC'ers began saying their good-byes and headed for their homes with visions of a great DX season.

Here is the guest list for St. Louis '69: OHIO--Pat Flanagan, Bob and Gregg Seifort, Cincinnati; Dan Myers and Bill Raczkowski, Toledo; Jerry and Judy Starr, Youngstown; George Greene, Akron; and Ed Krejny, Middleburg Heights. NEW YORK-- John Javetski, Bob Foxworth, Ernie Cooper, Bob Stenger, and John Dailer, New York;

Chuck Rader, Hamburg; Jannette Edge, Buffalo; and Herry Bond, Rochester. MISSOURI-- Walt Breville, Rich Eddie, and Mike Daniels, St. Louis; Duane Giese, Columbia; and Bruce Reynolds, Warrensburg. NEBRASKA-- Ernie Wesolowski and Mr. & Mrs. Roy Wesolowski, Omaha; Dave Fischer and Marv Garber, Lincoln. ILLINOIS-- Dave Carlson, Chatham; Bob Grubbs, Rolling Meadows; John Gifford, Urbana; and Jack Hathaway, Champaign. IOWA-- Len Kruse, Dubuque; Bob Gorsuch, Cedar Rapids; Steve McIntire, Des Moines; and Bruce Collier, Council Bluffs. MASSACHUSETTS-- Gordon Nelson, Watertown; Phil Sullivan, Leominster; and Geoff Fox, Boston. INDIANA-- Don Eggert, South Bend and Roger Winsor, Valparaiso. KENTUCKY-- Ron Hays, Versailles and Dick Truax, Lexington. ONTARIO-- Wayne Plunkett, Weston and Jim Warner, Mt. Albert. VIRGINIA-- Alan Merriman, Fairfax. CALIFORNIA-- Don Kenney, Santa Monica. NEW JERSEY-- Russ Edmunds, Wayne. WASHINGTON-- Len Lockwood, Olympia. TEXAS-- Roy Varnell, Ft. Worth. RHODE ISLAND-- Warren Brown, Ashaway. MINNESOTA-- Bob Hostettler, Lake City. MARYLAND-- Bill Fiedt, Lanham. FLORIDA-- Jerry Conrad, Haines City. OKLAHOMA-- Lynne Brooks, Ponca City. COLORADO-- Glenn Hauser, Denver. WISCONSIN-- Rob Schneider. HAWAII-- Richard Wood.

On Behalf of the St. Louis Convention committee: Thanks to all of you for coming. We hope you had a good time, because we certainly did! ---Bruce Reynolds

(Those of us who were fortunate enough to attend would like to thank the Convention committee for all of their time and effort which went into making this Convention such an outstanding success; this was one of the largest and most smoothly-run DX Conventions in recent memory! GPN)

HOW TO LISTEN TO THE WORLD

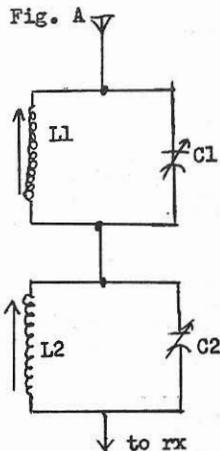
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This fine publication - undoubtedly the best of its kind ever written - is once again available to NRC at SPECIAL DISCOUNT RATES! These copies have already been delivered and are on hand for immediate delivery to NRC members; the dozen copies taken to the Convention were immediately snapped up. Price, \$1.25 for 1st class; \$3.60 for 1st Class delivery. Regular price \$3.95. ORDER TODAY FROM HQ!

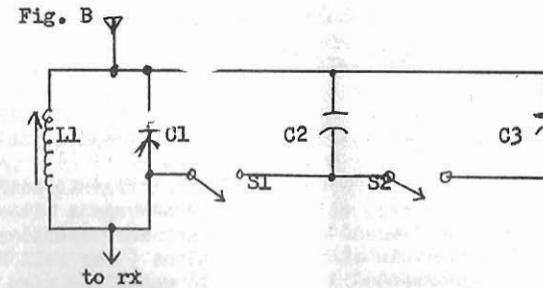
Although it has been established beyond any reasonable doubt that the loop antenna is the best suited for Broadcast Band DX, it still is necessary for many DX'ers, due either to a lack of space or insufficient technical knowledge to construct a loop, must make do with a longwire antenna system. As many DX'ers have noticed, the major problem encountered in the use of a longwire antenna is a means of trimming it electronically in order to produce selective peaks in the desired signals. While many manufacturers of communications receivers attempt to compensate for any mismatches that may occur between the longwire and the receiver, the greatly varying characteristics of each individual longwire make it impossible to build a trimming circuit capable of adjusting for any great quantity of variables. It is for this reason then, that many DX'ers have found it advantageous to investigate an external antenna trimmer which is best suited to their own particular longwire system.

In this article, we will explore some of the more common and most easy-to-assemble tuners. Probably the most versatile of all antenna trimmers is that shown in Figure A, which employs two simple trimming circuits, connected in series with each other. In each circuit (they are identical) we connect a 365 pf. variable capacitor in parallel with a Hi-Q ferrite loopstick antenna, and then connect the antenna to one side of circuit number one, the receiver lead-in to the opposite side of circuit number two, and then connect the remaining sides of the two circuits to each other. The only major consideration to be taken in the use of this tuner is to keep your hands clear of any metal parts while using the tuner, as body capacitance may prevent accurate tuning. The major benefit of this tuner is in its ease of construction and use, while still providing trimming for a great many different antenna lengths.



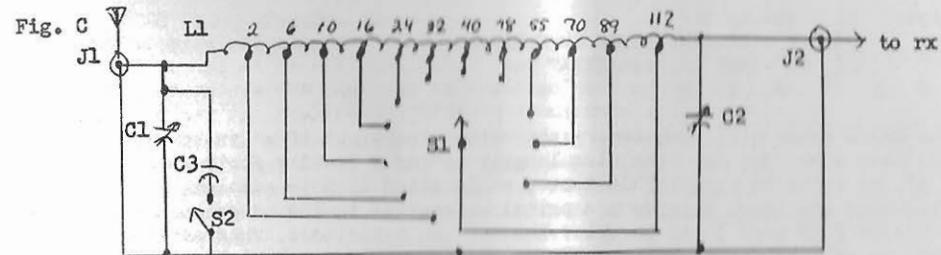
Another type of tuner for the longwire is one primarily used with longwires in excess of 125 feet in length, or where the longwire system consists of a continuous geometrical pattern. It was successfully used by the author for about three years with a triangular longwire array featuring forty-foot sides. This tuner, while slightly more complex, is based upon a principle similar to that used in the previous example. The schematic for this tuner appears in Figure B, below. Initially, we have the same basic circuit as before, with the 365 pf. variable capacitor and a BCB ferrite loopstick connected in parallel, however, we must add still more capacitance to compensate for the added inductance in the system. This is done by adding two fixed capacitors of equal value in parallel with the existing circuit. It will be noted here that these two capacitors should be as close in value to 365 pf. as possible, so that there will be no "dead spots" within the tuning range of the tuner. For this reason, if you are unable to get

fixed capacitors of a value between 360 pf. and 370 pf., it is suggested that you use values less than 365 pf. so that when adding these capacitors you will have an overlap rather than a "dead spot". By adding S.P.S.T. switches in parallel with the fixed capacitors, you create three separate tuning ranges.



Still another type of antenna tuner employs a coil which must be wound by the DX'er himself. This type of tuner is more complicated to build, but is well worth the effort. There are two tuners of this type, and as they are the most common ones, they will both be discussed herein.

The first is shown in Figure C, and features two variable capacitors, one fixed capacitor, the coil, and a rotary position switch. The coil, (L1) consists of 112 turns of # 18 guage wire on a coil form with a diameter of one and three-quarters inches and a length of four and five-sixteenths inches. The coil should be tapped as it is wound at 2, 6, 10, 16, 24, 32, 40, 48, 58, 70, 89, and 112 turns. Each of these taps is, in turn, connected to a different position of the rotary switch, while the tap at 112 turns is connected to the rotator (or pole) of the switch. The rest of the circuit is then constructed as shown. It is advisable to connect the metal chassis, should you use one, to ground.



- Parts List: C1 - 250 pf. variable S1 - Single pole 12 position shorting type rotary switch
 C2 - 365 pf. variable S2 - S.P.S.T.
 C3 - 270 pf. fixed

J1, J2 - RCA phone jacks L1 - see text

* * * * *

NOTE: For all tuners calling for BCB Hi-Q Ferrite Loopsticks, use either J.W. Miller part # 2001, Allied Radio part # 54 B 4390 or equivalent.

All S.P.S.T. switches should be either slide switches or toggles equipped with plastic handles to avoid body capacitance straying into tuner.

SUPREMACY RATINGS



Norm Maguire
1420 Columbia Drive NE
Albuquerque, N.M. 87106

<u>DXer</u>	<u>Location</u>	<u>T.V.</u>	<u>Ctys</u>	<u>For.</u>	<u>South America</u>	<u>Best</u>
L. Kruse	Iowa	4003	15	77	3 HCJB Ecuador	
W. Rutzhan	Pennsylvania	3095	46	369	36 LR1 Argentina	
N. Maguire	New Mexico	2837	52	390	16 HJ1AEN 1190 250w	
E. Johnson**	Illinois	2753	28	283	12 OAX4A Peru	
G. Allen	California	2680	54	486	30 HCJB 974 1kw	
S. Drake	Pennsylvania	2342	55	305	10 HCRG-1 1145 400w	
F. Wheeler	Pennsylvania	1594	23	180	8 PRF-3 Brazil	
R. Anderson	Virginia	1434	98	419	78 HC2LA	
A. Rugg	Quebec	1363	53	1182	43 CB-73 Chile 730	
D. Reynolds	California	1328	74	448	64 ZYX-9 1270 10kw	
C. Freeman	California	1282	60	320	26 PRG-2 1040	
A. Merriman	Virginia	1133	78	222	12 PRH-9 840 5kw	
H. Gustafson	Illinois	818	90	274	31 CB-138 5kw	
J. Starr	Ohio	814	41	148	26 PRH-9 840	
B. Reynolds	Missouri	755	24	95	3 LR-3 950	
J. Kadet	Maryland	703	12	41	—	
D. Whatmough	Ontario	626	8	545	1 PJB Bonaire 800	
F. Waldron	New Jersey	563	19	110	4 Trinidad 730	
D. Phillips	Alabama	549	25	40	9 HJKL 605	
A. Slater	England	534	130	524	44 ZP10 Paraguay	
G. Scrimgeour	Ontario	486	44	407	9 CP34 Bolivia 10kw	
D. Erickson	California	440	6	9	—	
B. Dangerfield	Pennsylvania	403	105	328	41 ZP-14	
B. Raczkowski**	Ohio	369	37	61	11 LT-10 1020 10kw	
R. Hays	Kentucky	353	20	37	4 YVLX Venezuela 560	
R. Wood	Hawaii	327	39	325	14 CW140 Uruguay 1400	
D. Carlson	Illinois	312	11	32	2 R. Trinidad 730	
M. Sorenson**	Ontario	310	7	235	1 PJB 800	
H. Wilkinson	California	301	55	286	64 HJCK 1395 1kw	
J. Neff	New York	280	28	84	4 R. Trinidad	
H. Robie	Massachusetts	254	82	140	14 LRA	
M. Northam*	Oregon	253	13	51	2 HJEL Colombia 840	
R. Edmunds	New Jersey	226	10	56	1 PJB	
R. Richman	New York	200	5	32	?	
D. Eggert	Indiana	191	8	19	?	PJB 800
J. Conrad	Florida	167	16	24	3 SRS Surinam	
P. Kilroy	Washington, DC	165	28	43	8 R. Hoyer, Curacao 1500	
W. Rogers**	Florida	158	12	22	?	OAX4U 1010 50kw
J. Renfrew	Connecticut	146	10	65	?	HJLQ 1520 2.4kw
J. Pejza	California	128	11	19	1 PJB 800	
C. Reno	Connecticut	93	22	58	10 SRS Surinam 725 50kw	
E. Floden**	Ontario	92	15	64	3 PZX-26 725	
R. Schneider	Wisconsin	29	3	7	—	

Welcome to Richard Richman. Held over several members who were listed ** last month. They will be dropped next month unless they update their standings. Had the pleasure of visits from Richard Richman and Ross Hansch this past month here in Hawaii. Next month, North American totals (exclusive of 48 U.S.A. states) and best veries. 73 and Aloha, Norm

Larry Addison, 150 Rickard Rd., Minneapolis, Minn 55432
William Alisuskas, Jr., 7 Avenue B, Paterson, NJ 07508
David Allaway, 44 Orchard Farm Rd., Port Washington, NY 11050
Eugene S. Allen, 134 Bret Harte Way, Vallejo, Cal 94590
Roger Anderson, 913 North Larrimore St., Arlington, Va 22205
H. Baldwin, 16 S. Farragut, Philadelphia, Pa 19139
Park Barton, PO Box 603, Atmore, Ala 36502
Milton C. Bay, Route #1, Brooksville, Ky 41004
George F. Beardsmore, c/o R.B. Demiston & Co., Ltd., PO Box 135, Dunedin, New Zealand

Andre Beaulieu, 5987 Boyer, Montreal, Quebec, Canada
Gerald Behoteguy, 10447 El Braso Dr., Whittier, Cal 90603
Raymond M. Bell, 413 Burton Ave., Washington, Pa 15301
Dave Bennett, 1034 #1 Rd., Richmond, BC, Canada
Lon Berman, 1511 Dieman Lane, East Meadow, NY 11554
Steve Bezilla, 307 2nd Ave., Osceola Mills, Pa 16666
Tom Birch, 17 Ritchie Rd., Binghamton, NY 13901
Bill Block, 1036 NE 80th, Portland, Oreg 97213
Rolf Blodorn, 6301 Allendorf, Postfach 26, West Germany
Martin Blumenthal, 10 Cutler St., Worcester, Mass 01604
Steve Bohac, 97 Shaler Ave., Fairview, NJ 07022
Jerry Bond, 121 N. Fitzhugh St., Rm. 439, Rochester, NY 14614
John E. Boocock, Jr., Mountain View Trailer Pk., Huntington, Vt. 05462
Robert W. Botzum, 1222 Pike Street, Reading, Pa. 19604
J. Alex Bowab, SN-B331885, OI-Div. USS Forrestal CVA 59, FPO New York, NY 09501

Gary Bowers, RR 5, Kirksville, Mo 63501
Joseph Brauner, R.D. #1, Box 61, Punxsutawney, Pa 15767
Walter Breville, 9127 Coral Drive, St. Louis, Mo. 63123
Eric Bristow, PO Box 734, Sebring, Fla 33870
Lynn Brooks, PO Box 253, Ponca City, Okla 74601
William Brooks, Mt. Morris, Pa 15349
H. Bartlett Brown, 68 Hawthorne Ave., Glen Ridge, NJ 07028
Russ Brown, 4100 Lake Shore Dr., St. Joseph, Mich. 49085
Warren D. Brown, Hillside Ave., Ashaway, RI 02804
Bill Brubaker, 150 NE 77 St., Miami, Fla. 33138
Robert Bruch, 4305 8th Ave., Kenosha, Wis 53140
Michael Bugaj, 197 Boston Rd., Middletown, Conn. 06457
Clarence F. Burnham, PO Box 372, South Norwalk, Conn 06856
John Callarman, 15 York Ave., Watertown, Mass 02172
Billy Campbell, 7503 Elbert, Houston, Texas 77028
Herbert Campbell, Box 35, R.D. 2, Athens, Pa 18810
Dave Carlson, 302 Bens Drive, Chatham, Ill 62629
Vincent Cavaseno, 111-20 124th St., So. Ozone, NY 11420
Kenneth Chatterton, R.D. 1, Mannsville, NY 13661
William Cheatham, 6900 Westmoreland Rd., Falls Church, Va 22042
Jim Chrislip, 4472 Barrington Dr., Youngstown, Ohio 44451
Ronald J. Christen, 30 Lucille Dr., Cheektowaga, NY 14225
Peter Clarius, 1583 Castleton Ave., Staten Island, NY 10302
Richard Clark, 144 N. Dithridge St., Pittsburgh, Pa 15213
Richard Cochran, Sweets Corner, Nova Scotia, Canada
Bob Condor, 1438 Cumberland Circle, Rockingham, NC 28379
Jerry K. Conrad, Box 952, Haines City, Fla 33844
Wayne Coombs, Jr., PO Box 2070, Sunnyvale, Cal 94087
Bob Cooper, Jr., 4007 B, Pennsylvania, Oklahoma City, Ok. 73112

Ernest R. Cooper, 438 East 21st Street, Brooklyn, NY 11226
 Richard H. Cooper, PO Box 223, c/o Electric Printery, Kittanning, Pa
 1620'

James E. Critchett, 1504 Glenwood Dr., San Diego, Cal 92103
 Bart Cronin, 2537 28th Ave. West, Seattle, Wash 98199
 John Daller, Box 462, Mahwah, NJ 07430
 Benjamin Dangerfield III, Sproul Estates, 202 Governors Drive, Walling-
 ford, Pa 19086

Mike Daniels, 226 E. Glendale Rd., Webster Groves, Mo 63119
 Kenneth Davis, 1 Severn Ridge Rd., Severnside, G-15, Annapolis, Md
 21401

G. Harley De Leurere, PO Box 233, Elk Garden, WVa 26717
 Gene DeLorenzo, 35 Sylvan Drive, Hyannis, Mass 02601
 Marc DeLorenzo, 132 Beacon Street, Box 53, Boston, Mass 02116
 Gerry Dexter, Robinson Hillside Subdivision, RR 1, Maple Road, Lake
 Geneva, Wis 53147

Mel Dilbeck, 174 Liberty St., San Francisco, Cal 94110
 Stewart Drake, 2108 S. Simpson St., Philadelphia, Pa 19142
 Edmond K. Drumm, Jr., 14 Dale Rd, Wethersfield, Conn 06109
 Bernard Duffy, 350 Richmond Terr., Apt. 1-P, Staten Island, NY 10301
 Robert S. Duggan, Jr., 1112 Mason Woods Dr., NE, Atlanta, Ga 30329
 Isaac Eaves, 10113 Pillot, Houston, Texas 77029

Richard T. Eddie, 152 West Rose, Webster Groves, Mo 63119
 Miss Janette Edge, 8 New Southgate Rd., Buffalo, NY 14215
 Russell J. Edmunds, Box 946, Wayne, NJ 07470

Don Eggert, 805 W. Main St., Apt. 2, Muncie, Ind. 47305
 Curtis Engberg, 80 Concord Rd., Wayland, Mass 01778

Donald E. Erickson, 6059 Essex St., Riverside, Cal 92504
 Donald E. Erickson, PO Box 2000, Riverside, Cal 92506

Donald E. Erickson, 24360 Myers St., Sunnymead, Cal 92388
 Dr. John Evans, 915 Edgemoor Ave., Kalamazoo, Mich 49001

Richard C. Evans, PO Box 718, Gary, Ind 46401
 Buddy Everts, 2030 Sunrise Blvd., Eugene, Oreg 97405

Walter Fair, Jr., H-120 San Jacinto, Austin, Texas 78705
 Norman L. Fallon, 600 W. 113th, New York, NY 10025

William B. Feidt, 9931 Glenn Dale Rd., Lanham, Md 20801
 Ronald Fenton, R. Route, Kempton, Ill 60946

Joseph Fela, Jr., 167 Goodwin Ave., Newark, NJ 07112
 Oliver P. Ferrell, 228 Capri Terr., Park Ridge, NJ 07656

Dave Fischer, Box 6256, Lincoln, Neb 68506
 Karl Fladzinski, 6536 Bricker, Yale, Mich 48097

Pat Flanagan, 4021 Sharon Pk. Lane, Cincinnati, Ohio 45241
 Eric R.K. Floden, 13 Parkside Crescent, Ottawa 5, Ont, Canada

Herbert W. Foster, 98 Smallwood Ave., Belleville, NJ 07109
 Howard Fountain, 1116 Park Blvd., Rome, Ga 30161

Geoff Fox, c/o WRYT Radio, 312 Stuart St., Boston, Mass 02116

Bob Foxworth, GPO Box 2111, New York, NY 10001

Roddy Freeman, 9029 Meadow Hts. Rd., Randallstown, Md 21133

Clarence Freeman, 1338 Lincoln Way, Auburn, Cal 95603

Arthur Fregeau, PO Box 934, Bristol, Conn 06010

Roger Gallant, 2623A Conn St., Ottawa, Ont, Canada

James Gangler, 2801 Chesterfield Ave., Baltimore, Md 21213

Marvin Garber, Jr., 2539 Kessler Blvd., Lincoln, Neb 68502

Stan Garfield, 53 Glenwood Rd., Tenafly, NJ 07670

John Garofano, Box 165, Raynham, Mass

Kermit Geary, RFD #2 - Box 298, Walnutport, Pa 18088

Roger Giannini, 110 E. Eighth St., Qtrs 213W, Scott AFB, Ill 62225

Duane Giese, PO Box 69, Columbia, Mo 65201

John Gifford, 1408 S. Grove, Urbana, Ill 61803

Larry B. Godwin, PO Box 9352, S. Denver Sta., Denver, Colo 80209

Charles W. Good II, 652 Shyrook Ave., Indiana, Pa 15701

Robert W. Gorsuch, 2509 D Ave NE, Cedar Rapids, Iowa 52402

Paul Gough, PO Box 263, Wallingford, Conn 06492

William Grant, 16 Goulding St., Worcester, Mass 01609

George Greene, 1527 Sunset Ave, Akron, Ohio 44301

Terry John Greenhill, 100 Hertingfordbury Rd., Hertford, Hertfordshire,
 England

Gordon Grey, Box 25, Silverdale, Wash 98383

Myron Grey, 1739 E. 26th St., Brooklyn, NY 11229

Robert M. Grubbs, 4403 Hoover St., Rolling Meadows, Ill 60008

Richard Gula, 56 Sears St., Middletown, Conn 06457

Hilding Gustafson, 3416 Brendenwood Rd., Rockford, Ill 61107

Chris Hambly, 47 Chessell St., Box Hill North, Victoria, Australia 3129

Ross Hansch, 5013 Rissor Rd., Madison, Wis 53705

Mike Hardester, 401 Birchwood Ct., Modesto, Cal 95350

Ross M. Harp, Jr., PO Box 1717, Boulder, Colo 80302

Paul K. Hart, 2105 Muse, Fort Worth, Tex 76112

Alvin Harvey, 12 Hamlet, Lawrence, Mass 01843

John Hathaway, 1912 Rebecca Drive, Champagne, Ill 61820

Wm. Glenn Hauser, Box C-8638, Lowry AFB, Colo 80230

Ron Hays, Route #3, Versailles, Ky 40383

Wayne Heinen, USCG Loran Sta., Sitkinat Is., Alaska 99615

William J. Higgs, 414 Ridge Rd., Rd. 9, Greenbelt, Md 20770

James E. Hill, 898 Jane Street, Apt. 405, Toronto 9, Ont., Canada

Paul Hoffman, 6721 Maysville Rd., Apt. 15, Ft. Wayne, Ind 46805

Robert Hoffman, 2102 Central Ave., Ocean City, NJ 08226

Henry S. Holbrook, 7211 Chestnut Street, Chevy Chase, Md 20015

Thomas L. Holmes, 21-2 Garden Lane, Waltham, Mass 02154

John H. Hoogerheide, PO Box 941, Marquette, Mich 49855

Roger S. Horie, CMR Box 1473, Mt. Home AFB, Idaho 83648

Robert Hostettler, 417 Irving St., Lake City, Minn 55041

Carlton Howington, 13880 Greenland Ave., Uniontown, Ohio 44685

Charles Hrinko, 2-3 30th St., Fairlawn, NJ 07411

John T. Hunt, 251 W. Bruceton Rd., Pittsburgh, Pa 15236
 William J. Hutchinson, 2412 Ellis Road, Baltimore, Md 21234
 Chuck Hutton, 1521 Fama Dr., NE, Atlanta, Ga 30329
 Glenn Jacobs, 7825 Stenton Ave., Philadelphia, Pa 19150
 Robert Jacoby, 556 E. Alvarado St., Pomona, Cal 91767
 John E. Janeicko, 51 So. Hills Terrace, Brownsville, Pa 15417
 John Javetski, 104-21-122 St., Richmond Hill, NY 11419
 W.A. Jeffrey, c/o Procter & Gamble Field Adv. Dept., Box 95, Cincinnati, 45201

Kenneth Jennings, 7117 Darien, Houston, Texas 77028
 Don Jensen, 5204 70th St., Kenosha, Wis 53140
 Everett Johnson, 504 16th St., Mendota, Ill 61342
 Steve Johnson, Box 145, Havre de Grace, Md 21078
 Joseph Josnes, 1805 Hettering Rd. APTON, Wilmington, Del 19803
 Leonard Jozwiak, 5999 Yorkshire Ave., Detroit, Mich 48224
 Douglas R. Juen, 1545 Huth Rd., Grand Island, NY 14072
 Jeff Kadet, 8047 Park Overlook Drive, Carderock Springs, Bethesda, Md 20034

Daniel Kahn, 100-19 Darrow Place, Bronx, NY 10475
 Randall Kane, 132 Beacon St., Box 72, Boston, Mass 02116
 Bob Karchewski, PO Box 3151, Daly City, Cal 94015
 Don Kaskey, Hotel El Rancho, PO Box 235, West Sacramento, Cal 95691
 Mark Katz, 359 Mystic St., Arlington, Mass 02174
 Richard Kawa, S-3296 Abbott Rd., Buffalo, NY 14219
 Jack L. Keene, 4902 Eppes St., Houston, Texas 77021
 George Kelley, 118 White Street, Belmont, Mass 02179
 Robert D. Kelley, 621 W. Appletree Rd., Glendale, Wis 53217
 Howard G. Kemp, 140 Court St., Laconia, NH 03426
 Don Kenney, PO Box 1668, Santa Monica, Cal 90406
 W. Paul Kilroy, 2113 Fort Davis St. SE, Washington, DC 20020
 Edward Krejny, 6538 Belmeadow Drive, Cleveland, Ohio 44130
 Leonard Kruse, 1675 Glen Oak St., Dubuque, Iowa 52002
 Joseph E. Kureth, Jr., 9233 W. Stayman Dr., Ellicott City, Md 21043
 John Kusko, 83 Allerton, Rd., Newton Centre, Mass 02159
 Frank LaBelle, 319 Beaubien East, Montreal 326, Quebec, Canada
 AlG Doug Lamerson, CMR 3 Box 6222, Travis AFB, Cal 94535
 Robert LaMotte, 1562 Silverwood Dr., Martinez, Cal 94553
 Walter LaRoche, 475 Morrison Drive, Pittsburgh, Pa 15216
 Robert Leamy, Jr., 4649 Eastway Ct., Apt. E, Columbus, Ohio 43213
 Michael Levintow, 2522 Warring, Berkeley, Cal 94704
 David Lewis, 3429 Forest St., Kansas City, Mo 64109
 Tom Little, 14403 Trisket Apt. 2, Cleveland, Ohio
 Christopher Lobdell, 149 Walnut St., Reading, Mass 01867
 Leonard Lockwood, 516 NE 36th St., Olympia, Wash 98501
 John Long, 73 Dorchester Ave., Waterbury, Conn 06714
 Carlton Lord, 12 Lower Drive, Corning, NY 14832

This updater includes all items appearing in DX News (all sections) and Broadcasting Magazine, through 8/31/69. Please note the following additions to the Index on Page 2 of the Log:

FACILITIES:

D4 - Daytime only, directional during critical hours only.
 (3 stations: WBCA-1110; +WAGL-1560; & +WKBX-1500)

D6 - Daytime only, non-directional during critical hours only.
 (1 station: +WASP-1130)

550 #CHNO-On- po: 900 CFBR-On- (CP: 900)	660 WNBC-NY- SCH: NSP	890 WLS -IL- SCH: NSP
560 WMIK-Ky - LOC: Middlesboro CKCN-Qu- SCH: s/off 0100 (2300)	670 WMAQ-IL- SCH: SP MM 0200-	900 WEAS-Ga- ADD: Box 8346 WLMD-Md- ANT: D3; NET: Ac #CFBR-On- (PO: 550) CHNO-On- (CP: 550)
580 WRTY-WI- SCH: 0600-0200 (0100) #CJLS-NS- 10,000 U-4, po: 1340 CKPR-On- SCH: SP MM 0005- 0600 irr.	690 WCYB-Va- NET: delete WAGO-WI- On; ADD: Box 437 Zip: 54901	910 CKLY-On- PWR: 10000/5000 Uh; LIC. SCH: 24 hrs. off MM 0100-
590 WDLP-Fl- NET: delete	720 KAUI-Ha- SCH: s/off 0500	920 WMDG-Fl- SCH: NSP KDHL-Mn- SCH: s/off 0200 (0100) WMNI-Oh- SCH: s/on 0600 WMMN-WV- LOC: Fairmont #CKWL-DC- CP: 1000 U2, po: 1240 CKCY-On- SCH: MM s/off 0100
610 KDAL-Mn- SCH: SP SM 0400- 0700; MM 0100-0700 GHNC-Qu- SCH: s/off 0001	730 WFMW-Ky- NET: delete KKDA-Tx- ADD: Box 1889	930 *WIKO-PR- new call
620 WVMT-Vt- SCH: s/on 0500	790 KONA-Ha- delete	940 KAHU-Ha- SCH: SP MM 0400- 0900 WCIT-Oh- NET: delete WNAL-Oh- Is on KATQ-Tx- PRA: 12-45
630 *WVAL-DC- CP: 5000 Uh ADD: 7115 Green- tree Rd., Bethes- da, Md. WNEG-Ga- NET: delete KDWB-Mn- ANT: U3; ADD: Box 7630, St. Paul, 55119 WIRC-NC- NET: delete WMFD-NC- NET: delete	800 CJJC-BC- LIC.	950 WLOF-Fl- SCH: NSP +KLER-Id- CP: 1000 U2 KR3I-Mn- ADD: 4500 Excel- sior Blvd. +KLIK-Mo- CP: 5000/500 U2 WPEN-Pa- NET: delete (9/30)
650 #KYAK-Ak- CP: 25000 U2 KORL-Ha- SCH: SP MM 0500- 0900 WSM -Tn- SCH: SP MM 0000- 0445	810 WEKG-Ky- PSA: 500 WEDO-Pa- PSA: 500 KWDR-Tx- PSA: 30	
	830 TKKI-Ha- SCH: 24 hrs, off MM irr 0500	
	840 WHAS-Ky- SCH: s/off 0100	
	850 * -Ca- Thousar 91360, KHLU-na- ex KI	
	870 KAIM-Ha- SCH: 01 505	

960
 WFRY-Ky- LOC: Prestonsburg
 CKWS-On- SCH: 24 hrs. SP MM
 0040-

970
 WTBK-AL- PSA: 500
 KVMW-Az- PSA: 61
 KPVA-Ha- SCH: s/off 0500
 KYSL-La- NET: delete
 KQAQ-Mn- SCH: SP MM 0105-
 0555
 WJRZ-NJ- SCH: SP MM 0100-
 WWSW-Pa- SCH: SP MM 0300-
 0430
 WYPR-Va- NET: delete

980
 WFOT-FL- NET: delete
 WONE-Oh- SCH: 24 hrs. off MM
 KFRD-Tx- LOC: Rosenberg

990
 WHOO-FL- SCH: 24 hrs. SP MM
 *WBTE-NC- Windsor, 27983
 WDDA-WI- LIC. ZIP: 53965

1000
 WQTY-AL- ex WFMI
 *WREM-Ky- Jenkins, 41537;
 1000 DL
 WKBQ-NC- is on
 KXRB-SD- PSA: 46

1010
 KAWA-Ca- NET: delete
 WELK-Va- NET: delete

1040
 KHVH-Ha- SCH: AN Wed, Thu,
 Fri AM's only

1050
 WQMR-In- ADD: World Bldg.,
 8121 Georgia Ave.
 WYBG-NY- NET: delete
 WOKL-WI- ex WECL; NET: delete

1060
 CJRP-Qu- ex CJLR; SCH: 24 hrs

1070
 KNX -Ca- on w/ 50000 U5
 * -NJ- Stirling, 07980;
 250 DL
 #WCIR-WV- CP: 10000 DL (1060)po.

1080
 KYMO-Mo- ex KGCL

1090
 KNCR-Ca- ex KIXF-1280; LIC.
 NET: delete
 WSLG-La- LIC
 KEXS-Mo- PSA: 250

1110
 * -Ma- Pitsfield,
 01201; 1000 DL
 KFAB-Nb- SCH: NSP
 WTBQ-NY- Warwick, 10990;
 250 DL; is on
 * -Pa- Washington, 15301
 1000 D3

1120
 KCLE-TX- LOC: Cleburne

1130
 WMGA-Ga- 10000/250 U4-on
 WPHY-NC- on & LIC
 *WASP-Pa- CP: 5000 D6;
 1000 CH

1140
 *KRAK-Ca- CP: 50000 U3
 WCLW-Oh- LIC.

1150
 KYND-Ia- NET: delete
 KSEN-Mt- PSA: 400
 KOLJ-Tx- PSA: 500
 CKX -Ma- SCH: NSP

1170
 KUAD-Co- LIC. PSA: 500;
 ADD: 206 5th St.
 *WVLC-Ma- new call

1190
 KEZY-Ca- ANT: L2
 *WAVS-FL- Ft. Lauderdale,
 5000 DL
 +WSML-NC- CP: 500 D3

1220
 WFAV-Va- ADD: 161B Hill-
 wood Av., Tower
 Square
 +CFDA-BC- CP: 50000 U3
 CKSM-Qu- SCH: s/off 0002
 (2300)

1230
 WNUZ-AL- on w/1000/250 U1
 WONN-FL- NET: delete; SCH:
 24 hrs. SP MM
 0000-0500
 KBAR-Id- on w/1000/250
 SH-1
 WQUA-IL- SCH: NSP
 WJOB-In- SCH: NSP
 WBME-Me- LOC: Belfast
 KYSM-Mn- SCH: MM s/off 0100
 WISP-NC- NET: delete
 +KADA-Ok- CP: 1000/250 U1
 KISD-SD- NET: delete
 WNOR-Va- SCH: NSP
 *CKQR-BC- new call

1240
 WULA-AL- LOC: Eufaula
 +KVRG-Ar- CP: 1000/250 U1
 +KWAK-Ar- CP: 1000/250 U1
 KAKE-Ka- ADD: Box 1010;
 ZIP: 67201
 WJEJ-Md- LOC: Hagerstown
 WJIM-Mi- ADD: 2820 E. Sa-
 ginaw
 WSNJ-NJ- LOC: Bridgeton
 WGBB-NY- SCH: NSP
 WKSX-NY- NET: delete
 *WWWC-NC- Wilkesboro, 28697
 100 UL
 KTIK-Or- NET: delete
 * -Qu- Chibaugamau

1250
 KICM-Co- On
 KBRF-Mn- SCH: s/off 0200
 CHWO-On- PWR: 10000/5000
 ANT: U1
 CLJD-On- SCH: NSP; ADD:
 546 N. Christian

1260
 WWDC-DC- SCH: NSP
 WWOK-FL- ex WAME; SCH: 24
 hrs. off MM
 WFBM-In- SCH: 24 hrs., off
 3M 0130- & MM as
 listed
 WIXY-Oh- SCH: SP MM 0130-
 0400
 WWYN-Pa- SCH: 24 hrs.

1270
 KBYR-Ak- SCH: AN Su AM only
 +KGOL-Ca- CP: 1000 D3
 KNDI-Ha- SCH: s/off 0600
 KNWC-SD- SCH: 0600-0000
 KHEM-Tx- NET: delete

1280
 KJOY-Ca- NET: delete
 KIXF-Ca- delete
 KTLK-Co- ex KTLN
 WABK-Me- LIC
 WFYC-Mi- delete CP
 WONW-Oh- PSA: 500

1290
 WDEC-Ga- NET: delete
 KOIL-Nb- SCH: NSP
 WNEF-NY- SCH: s/off 2355
 WTYL-NC- LIC
 WHIO-Oh- SCH: 0459(0730)-
 0100

1300
 WAVV-Ct- SCH: 24 hrs, SP MM
 WLOW-SC- NET: delete
 WLOT-Wi- new call. On.

1310
 KUZN-Ca- NET: delete
 WBMK-Ga- NET: delete
 KNUI-Ha- LOC: Kahalul
 WORC-Ma- SCH: 24 hrs. SP MM
 0000-
 KNOX-ND- SCH: 24 hrs. SP MM
 WBNT-Tn- PSA: 500
 WIBA-WI- SCH: 24 hrs.
 CFGM-On- ADD: 50 Young St N.
 CP is on

1320
 WATR-Ct- NET: delete
 +KXLW-Mo- CP: 5000 D3
 WKAP-Pa- SCH: 0400(0600)-
 0000(2300)

1330
 WMEH-FL- NET: delete
 WKVO-NC- ex WUSM

1340
 WNHC-CT- SCH: MM s/off 0100
 KYLT-Mt- SCH: 24 hrs.
 +WIRY-NY- CP: 1000/250 U1
 (was U3)

1340 cont'd
 +KSGT-Wy- CP: 1000/250 U1
 CKFL-Qu- Lac Megantic; //
 CKLD
 CKGN-Qu- St. Anne des
 Monts, // CKBL

1360
 WOBBS-FL- CP: 5000 U2
 KHAK-Ia- NET: delete
 WWBZ-NJ- NET: Ac

1370
 KSUM-Mn- LOC: Fairmont

1380
 +WLTZ-FL- CP: 1000 DL
 WDAT-FL- NET: delete
 +WYNK-La- CP: 5000 D3
 KLIZ-Mn- NET: delete
 WIZO-Tn- LIC

1390
 WAVP-FL- is not on
 WROA-Ma- NET: delete
 +WJRM-NC- CP: 1000 DL
 WEOK-NY- ANT: D-3

1400
 +KQIQ-Ca- CP: 1000/250 U3
 +KRBO-Ca- CP: 1000/250 U1

1410
 KDTA-Co- ANT: U1
 WMGA-Ca- delete
 KLIN-Nb- NET: delete
 WOND-NJ- SCH: 24 hrs.,
 SP MM 2300-
 WICK-Pa- PWR: 1000/250
 KBYG-Tx- NET: delete
 WHHV-Va- ANT: U1

1410
 KERN-Ca- SCH: delete AN
 WGRI-Ga- NET: delete
 KWYO-Wy- SCH: s/off 0000

1420
 KJST-Ca- 1000 DL; is on
 KCCN-Ha- SCH: s/off 0500
 WOC -Ia- SCH: s/off 0155
 KPEP-Tx- NET: delete

1430
 KEGY-Ca- ex KGNU
 WLAK-Fl- SCH: 24 hrs; SP
 MM 0000-

1430 cont'd
 *KSTB-Ts- PSA: 250
 WKEX-Va- on. PSA: 500
 * -Wa- Clarkston, 99403
 500 DL

1440
 WHHY-AL- SCH: 24 hrs. SP
 MM 0100-
 WABR-FL- SCH: NSP
 WAYK-FL- ex WLEH
 KQRS-Mn- SCH: SP MM 0200-
 0600

1450
 * -Al- Jasper, 35501;
 100 UL
 KENA-Ar- Clar. State. PWR:
 1000/250 U1
 KOPO-Az- ex KOLD
 KAVA-Ca- LIC. Inc.
 KOBO-Ca- ex KZIN
 WOCN-FL- NSP
 KLWW-Ia- SCH: 24 hrs.
 WXVW-In- Clar. Call
 KOBB-NM- NET: delete
 +KRZY-NM- CP: 1000/250 U1
 +CHEF-Qu- CP: 10000/250 U5
 SCH: s/off MM
 2358

1460
 WPNX-AL- SCH: AN MM
 WJAK-Tn- NET: delete
 WRAC-WI- NET: delete

1470
 WMBD-IL- SCH: s/on 0600

1480
 KGCX-Mt- SCH: s/off 0100
 WAME-NC- ex WWOX
 +WUPR-Vt- CP: 5000 DL

1490
 KCTZ-Az- is on
 +WICH-Ct- CP: 1000/250 U1
 WTXL-Ma- SCH: 0530(0700)-
 0100
 +KDMO-Mo- CP: 1000/250 U1
 WFBG-NC- SCH: 24 hrs.
 WFLB-NC- SCH: NSP
 WBIT-SC- NET: delete
 WXTT-WV- ex WOKV

1500
 WFOP-DC- SCH: off MM
 WJBK-Mi- SCH: s/off MM 0200
 +WKER-NJ- CP: 1000 D3
 +WKBX-NC- CP: 10000 D4; CH:
 1000
 *WLWL-NC- new call
 KTXO-Tx- NET: delete
 * -NWT- Great Slave Lk.;
 40 40 U1

1510
 KSOM-Ca- LIC. 10000/1000 U4
 WMEX-Ma- SCH: NSP
 *KEMM-Mo- new call
 *KBJO-Ok- new call
 WLAC-Tn- SCH: s/off MM 0100
 KROB-Tx- PSA: 500

1520
 WHAG-Md- NET: delete
 WTTO-Oh- SCH: 24 hrs.
 WTGR-SC- NET: delete

1530
 WPNO-Me- NET: delete
 WCKY-Oh- SCH: SP MM 2330-
 0345
 WASC-SC- NET: delete

1550
 KQXI-Co- NET: As
 WCSJ-IL- PSA: 250
 WPDF-In- PSA: 250
 KQWB-ND- NET: delete
 WKYE-Va- NET: delete
 CBE -On- SCH: s/off 0010

1560
 WTAL-Fl- NET: delete
 WAFI-Ky- PSA: 500
 WDXR-Ky- SCH: s/off 0100
 * -La- Crowley, 70526;
 1000 D3
 KQYX-Mo- NET: delete
 * -NY- Brockport, 11420;
 1000 D1; ADD:
 Lester Bldg.
 WQXR-NY- SCH: s/off SM
 0020
 KRBB-Ok- is here. PSA: 230

1560 cont'd
 +WAGL-SC- CP: 10000 D4
 +WGGP-SC- new call for
 Clemson. Is on.
 CFRS-On- SCH: s/on 0600

1570
 KACE-Ca- on w/ 50000 D3

1580
 KLUV-La- on w/ 1000 D1
 WORV-Ms- on
 WPYB-NC- delete
 WLLA-Va- NET: delete

1590
 KLTV-Ca- on w/ 5000 U2
 WTBY-Ct- s/off 0100(2300)
 WALG-Ga- SCH: 24 hrs. SP MM
 0000-
 WEEZ-Pa- on w/ 1000 U2
 WMIM-Pa- LIC

1600
 WKEN-De- on w/ 1000/500 U2
 WKWF-Fl- SCH: s/off 2300
 WXVI-Fl- ADD: Box 1600; W.
 Palm Beach, 33402
 WINX-Md- ADD: 8 Baltimore Rd.
 WTRU-Mi- SCH: 24 hrs. SP MM
 WLLS-Ky- on
 WEPN-Pa- ex WHRY
 KYAL-Tx- on w/ 5000 D3

ADDENDUM:
1530
 * -NC- Chapel Hill, 27514;
 5000 D3
 * -NC- Wanchese, 27981;
 250 D1
 * -Tx- New Boston, 75570;
 1000 D1; ADD: Box
 366
 * -Va- Collinsville, 24078;
 1000 J3

NOTE: Network
 deletions of
 stations listed
 herein are effec-
 tive 9/20/69 un-
 less noted
 otherwise - RJE

Christopher Lucas, 89 Round Hill Rd., Fairfield, Conn 06431
 Relfe K. Luton, RFD #1 - Box 334, Elizabeth City, NC 27909
 Ken Lyon, 5155 South Newstead, Akron, NY 14001
 Dr. John P. MacDonald, Dept. of Education, Sir George Williams Univer-
 sity, Montreal 25, Quebec, Canada
 Leon MacGill, 105 South Hudson St., Arlington, Va 22204
 Frank S. Macolly, 102 S. Fifth St., Quakertown, Pa 18951
 Tom Mann, 7704-49th Ave., Kenosha, Wis 53140
 Michael J. Macken, 64 Court Road, Winthrop, Mass 02152
 Norman L. Maguire, 2877 Kalakaua Ave., Apt. 704, Honolulu, Hawaii 96815
 Rick Marr, 6912 W. Park Dr., Hyattsville, Md 20783
 Warren G. Martens, 101 Strawtown Rd., West Nyack, NY 10994
 John Marx, Scott Hall - Rm. 474, 625 Algoma Blvd., Oshkosh, Wis 54901
 Christopher Maslen, 84 Hendricks Blvd., Buffalo, NY 14226
 D. Gene Mattocks, 208 Gross Ave., Marysville, Cal 95901
 Stanley Mayo, 36 Greeley St., Portland, Me 04102
 Howard J. McClain, 3012 - 23rd Ave. West, Seattle, Wash 98199
 Gene McGahey, PO Box 1125, University, Miss 38677
 Duane McMurray, 501 South Main St., Maquoketa, Iowa 52060
 Morton D. Meehan, PO Box 214, N. Palm Springs, Cal. 92258
 Bill Menke, 923 E. State St., Ithaca, NY 14850
 Frank Merrill, Jr., 1790 Jewell Rd., Milan, Mich 48160
 Alan Merriman, PO Box 6, Fairfax, Va 22030
 Douglas Meyer, 34 Lewis Pl., New Rochelle, NY 10804
 H. E. Michel, 42 Revere St., Dumont, NJ 07628
 Roy Millar, PO Box 851, Everett, Wash 98201
 Robert Mitchell, RR 7, Belleville, Ontario, Canada
 Charles Mohr, Jr., 8 Fairfield St., White Plains, NY 10606
 Raymond S. Moore, 116 Walnut St., Walpole, Mass 02081
 Walter D. Moore, Jr., PO Box 217, Oneonta, NY 13820
 Robert C. Morris, 1108 S. Atlantic Blvd., Alhambra, Cal 91803
 Stanwood R. Morss, RFD #3 - Box 294, Bradford, Mass 01830
 Jay Murley, 1733 Candlestick, Newport Beach, Cal 92660
 Kenneth Murphy, 77 Colonial Rd., Glenbrook, Conn 06906
 Ronald J. Musco, 16 Chestnut Dr., Windsor, Conn 06095
 Dan Myers, Box 311, Toledo, Ohio 43601
 Richard Nall, 606 North Rite Ave., Louisville, Ky 40206
 Glen R. Neal, 1005 N. 5th St., Sayre, Okla 73662
 Robert Neal, Jr., Box 135, Forbestown, Cal 95941
 SPL James Neff, 64th Ord. Co., APO New York, NY 09144
 Dick Nelson, 18440 Halsted St., Northridge, Cal 91324

Gordon Nelson, 19 Irma Ave., Watertown, Mass 02172
 Alan Nissen, 336 Hillcrest Ave., Westwood, NJ 07675
 Frederick J. Nordquist, 302 Sandra Lane, N. Syracuse, NY 13212
 Michael B. Northam, PO Box 605, Beaverton, Oreg 97005
 Richard C. Northrup, 507 1/2 Kimball Rd., Iowa City, Iowa 52240
 David Norton, 602 S. Willis Ave., Champaign, Ill 61820
 Thomas A. Norton, Box 32, Vineyard Haven, Mass 02568
 Robert L. Nowak, 57 Beesley Ave., Chicopee, Mass 01013
 César Objio, Calle Hostos 38 -607-, Santo Domingo, Dominican Republic
 William Ochs, 155 Prospect Place, Pearl River, NY 10963
 David L. Osborn, 3111 S. 105 Ave., Omaha, Neb 68124
 Fred Osterman, 436 N. Forest Rd., Williamsville, NY 14221
 Gary Pall, 71 Hurlbutt St., Wilton, Conn 06897
 Richard Palmer, 1087 N. Linden Ave., Decatur, Ill 62522
 Carl E. Parsons, 76 Riverside Blvd., Thornhill, Ont, Canada
 Charles V. Pea, 2533 N. Talbott Ave., Indianapolis, 46205
 Fr. John P. Pejza, 12096 Ventura Ave., Ojai, Cal 93023
 Gary Peterson, 3705 N.W. 70, Oklahoma City, Okla 73116
 Dan K. Phillips, 3809 Thomas Rd., Apt. 3, Huntsville, Ala 35805
 Robert Pietsch, 255 Canal St. 33, San Rafael, Cal 94901
 Dennis Pimper, 540 N. 6th St., Brigham City, Utah 84302
 John Pinckney, 2903 School St., Alexandria, Va 22303
 John Pirnat, Boston College, Box H-60, Chestnut Hill, Mass 02167
 Joseph W. Plonka, Box 148, Chaplin, Sask, Canada
 Wayne Plunkett, 124 John St., Weston, Ont, Canada
 Jan Pochapsky, 29 Terrace Lane, Blauvelt, NY 10913
 David Prather, 1711 6th St. Nc. 14, Woodland, Cal 95695
 W. E. Bill Raczko, 3015 Lincolnshire Blvd. East, Toledo, Ohio 43606
 Charles Rader, 22 Robert St., Hamburg, NY 14075
 Addolph Rattay, PO Box 493, Warren, Ohio 44482
 Charles Reh, 34 Garrison Ave., Leamington, Ont., Canada
 Jim Renfrew, 30 Siwanoy Lane, New Canaan, Conn 06840
 Cliff Reno, 75 Parish Road, New Canaan, Conn 06840
 Bernard Reser, 6536 84th St., Caldonia, Mich 49316
 Louis Rewald, 211 Lewis St., Burlington, Wis 53105
 Bruce Reynolds, Route #2, Warrensburg, Mo 64093
 Don Reynolds, 19055 Hollyvale St., Glendora, Cal 91740
 Dr. John W. Richardson, 2460 Fairmont Blvd., Cleveland Hts., Ohio 44106
 Richard Richman, 14 E. Chesire Pl., Staten Island, NY 10301
 W. R. Ritayik, 1408 Valencia, Holly Hill, Fla 32017
 Harold S. Robie, 351 South St., Medfield, Mass 02052
 Mark Robinet, 357 McKay Ave., Windsor 11, Ont, Canada
 Earl J. Robinson, Box 189, Route 2, Knoxville, Md 21758
 Keith Robinson, Kapuka, No. 7 Rd., Invercargill, New Zealand
 Walter A. Rogers, 37 Crown St. 10, Nashua, NH 03060
 Harry P. Rosenbrock, 270 East 4th Street, Clifton, NJ 07011

Jeff Ross, 125-12 Cronston Ave., Far Rockaway, NY 11694
 J. Warren Routzahn, 206 North Forrest St., York, Pa 17404
 David E. Roys, 7 Iler Drive, Middletown, NJ 07748
 Jay Rubin, 1733 Candlestick, Newport Beach, Cal 92660
 Sheldon Rubin, 10000 Rosewood Ct., Oak Park, Mich 48237
 Andy Rugg, 16 Lake Breeze Ave., Pointe Claire 700, Quebec, Canada
 Richard L. Russell, 36 Alice Ave., Lynn, Mass 01902
 Gene Rust, Box 707, Carrollton, Texas 75006
 Lars A. Ryden, 7-10, 3- Chome Mejiro, Toshima - Ku, Tokyo, Japan
 Chuck Sadoian, 382 Vermont Ave., Dinuba, Cal 93618
 John Sampson, 4148 Wycliff, Winston-Salem, NC 27106
 Fred Sawyer, Milford Bay, Ontario, Canada
 Dave Schmidt, 44 Green Lane, Green Ridge, Pa 19014
 Robert Schneider, 301 Franklin St., Waterford, Wis 53185
 Robert Schwarder, 4 Pinewood Circle, Corning, NY 14832
 Randy Seaver, 1071 Turquoise St., San Diego, Cal 92109
 Thomas N. Seay, 1605 Maywick Drive, Lexington, Ky 40504
 Robert Seifert, 5728 Charter Oak Rd., Cincinnati, Ohio 45236
 Carl Serres, Jr., 1339 Stanton Ave., Whiting, Ind 46394
 John H. Shannon, 478 E. High St., Kittanning, Pa. 16201
 David Shapiro, Box 353, Stanleytown, Va. 24168
 Robert Shaw, 234 Columbus St., Elyria, Ohio 44035
 Roy Shelton, 136-05 Sanford Ave, Flushing, NY 11355
 George B. Sherman, 104 Pinewood Circle, Rosemount, Minn 55068
 Ron Sibbit, 139 Floradale Dr., Cooksville, Ontario, Canada
 H. Lee Siddons, 657 Gaines Way, Winter Park, Fla 32789
 Michael Silvera, PO Box 39, Kingston, 8, Jamaica
 Hedley Simmonds, 148 Fairfield Ave North, Hamilton 27, Ont, Canada
 Samuel Simmons, 11685 Guertin St, Montreal 9, Quebec, Canada
 Pete Skinner, Box 534, Laramie, Wyo 82070
 James Smedley, 3837 Terka Circle, Randallstown, Md 21133
 Morris Sorensen, PO Box 93, Emsdale, Ont, Canada
 Ralph B. Sperry, 320 Warner Hill Road, Southport, Conn 06490
 S. Dexter Squibb, 8 Honey Drive, Asheville, NC 28805
 Sidney R. Steele, 2408 4th St., Charleston, Ill 61920
 Jerry Starr, WHOT Radio, Younstown, Ohio 44505
 Roger Steele, 2440 Meadow Lane, Woodburn, Oreg 97071
 Dr. Paul M. Steen, 350 Lenox Rd., Brooklyn, NY 11226
 Scott Stieg, 113 Crestwood Dr., Monticello, Ind. 47960
 Mahon F. Stillwell, 646 Ringely Ave., Annapolis, Md 21401
 Philip L. Sullivan, 152 3rd St., Leominster, Mass 01435
 Ross Tallentire, 55 Ajax St., St. Kilda Dunedin, New Zealand
 Mike Tannery, 1205 14th, South Houston, Texas 77587
 Page Taylor, Box 208, Butler, NJ 07405
 Peter Taylor, 3 Drive Mead, Coulsdon, Surry CR32BD, England
 Peter V. Taylor, 8 Endicott Rd., Arlington, Mass 02174

Ray Terlaga, 20 5th St., Ansonia, Conn 06401
 Charles A. Territo, Jr., 736 Market St., Paterson, NJ 07513
 Paul A. Thomas, 1694 E. Dunedin Rd., Columbus, Ohio 43224
 Dick Truax, 3472 Dixiana Dr., Lexington, Ky 40502
 John R. Tudenham, 4465 So. Troost St., Tulsa, Okla 74105
 John Tweedie, Box 103 Oakhurst, NJ 07755
 Ben Wm. Veio, 1466 Merry Lane, San Jose, Cal 95128
 Gaspar Veloso, 293 Vine St., Bridgeport, Conn 06604
 Dennis Vroom, 2923 Brockway, San Pablo, Cal 94806
 Jim Warner, 259 Edward St., Newmarket, Ontario, Canada
 Robert W. Warner, 900 Evarts St. NE, Apt. 2, Washington, DC 20018
 Eugene Wathen, 7517 Spring Lake Dr., Bethesda, Md 20034
 Ken Weir, 17 Ritchie Rd., Binghamton, NY 13901
 Watson Wendt, Hill City, Minn 55748
 Ernest J. Wesolowski, 1416 Pasadena Ave., Omaha, Neb 68107
 David Whatmough, 284 Main St., W, Hamilton, Ontario, Canada
 Frank Wheeler, 6589 Wattsburg Rd., Erie, Pa 16509
 John H. White, 3634 Montclair Dr., Jacksonville, Fla 32217
 Lewis White, 4 Mansfield Road, Trenton, NJ 06828
 Roberts Wilkins, Box 286, Berkeley, Cal 94701
 Henry J. Wilkinson, Jr., 6620 Beeman Ave., No. Hollywood, Cal 91606
 Dennis Williams, 1518 N. Green, Wichita, Kans 67214
 John F. Wilson, 305 S. Dupont Rd., Lancaster Village, Wilmington, Del 19805

Roger Winsor, 739 Juniper Dr., Valparaiso, Ind 46383
 Professor Richard E. Wood, Dept. of European Languages, Webster 301,
 University of Hawaii, Honolulu, Hawaii 96822

Clayton Woodward, Palmer, Alaska 99645
 Edward J. Wyman, c/o Mrs. Emmaline Giguere, 1716 Presque Isle, Marquette, Mich 49855

Albert Yves, 935 Vincent Massey, Laval, Quebec, Canada
 Joseph M. Zachenski, 3355 N. 14th St., Milwaukee, Wis 53206
 Matthew Zahner, 7224 Gough St., Baltimore, Md 21224
 Andy Zaremba, 64 Hillview Ave., Port Washington, NY 11050

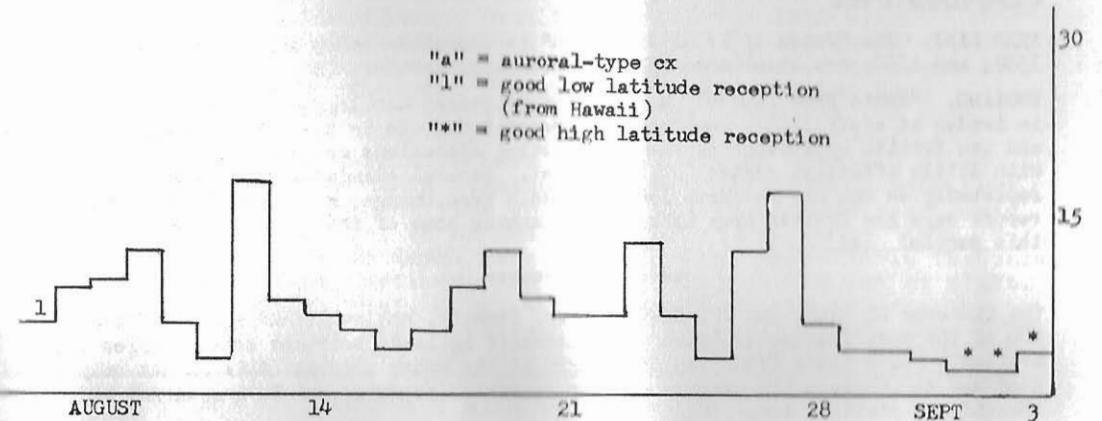
INTERNATIONAL DX Digest



Propagation & Features:
 Gordon Nelson, 19 Irma Ave.
 Watertown, Mass. 02172

DX conditions here in the Northeast have been remarkably good during the past few weeks. TA's have been remarkably strong for this early in the season many nights, and penetration into middle and Eastern Europe has been unusually good. On the MM of the Convention (9/1), the DX'ers in St. Louis were astonished to experience strong carriers from Dakar-764 and Nice-1554 although the receiver did have sufficient selectivity to split off the audio. On 1205, however, carrier from both Bordeaux and Sierra Leone was noted; some jumbled audio was noted, presumably from Sierra Leone based on very rough DF at the time. A letter just in from Ken Brownless in England reports that 9/1 and 9/2 were very exceptional nights there: KOMO-1000 was logged in England at 2330 on 9/1, and KFBK was noted at 2305 on 9/2. Reception of WCNA stations in England is very unusual - even during midwinter; for such receptions to have taken place as early as September 1st indicates truly exceptional conditions. Barring a sudden increase in auroral/geomagnetic activity, we should now be entering a period of extremely good TA conditions with even West Coast receptions possible. But you'd better get them quickly; a week of bad auroral activity and the high-latitude paths will again be wiped out as they were last year...

Regular readers of IDXD will not be surprised to learn that the recent run of highly unusual and unseasonable TA reception was the result of a long period of unexpected geomagnetic/auroral quiet. The exceptional solar quiet that was widely reported at the time of the Apollo 11 flight has essentially continued to the present time; as a result TA cx at the moment are much more similar to the 1963-1964 period than to recent years. The following graph of the ESSA Fredericksburg A index shows daily values of auroral/geomagnetic activity; high latitude MW paths are only open following a relatively long period of low values (e.g., less than about 15). To be more exact, this number represents the rate of production of high-latitude nondeviative absorption resulting from solar-induced charged particle precipitation into the ionosphere from the Van Allen radiation belts along lines of the Earth's magnetic field.



Reportedly in operation

* CAMEROON. A new, unlisted R. Yaounde outlet has been heard in South Africa on 998; believed to replace the 1106 channel from which we haven't heard a peep all summer. S/on in FF and EE at 2330 is a very good bet during next couple of months in North America. (SADXC)

* CANARY ISLANDS. Arctic reports that EFJ57, R. Juventud de Canarias was recently logged on 895 at s/off 1900; should be alone on the channel for ECNA!!

TANZANIA. According to SADXC, R. Tanzania, Zanzibar is now on 584, ex-600.

MALAWI. As predicted some time ago, Blantyre is now on 755 ex-764; Lilongwe is now on 593 ex-602. The move to 755 just about rules out any chance for this one in North America, alas. (SADXC)

RHODESIA. The 100 kw "National MW Transmitter" on 998 is not operating on a regular basis but only comes on the air on special occasions to relay English and African Services; tests on 1410 have ceased and this transmitter is now silent. (SADXC)

SUDAN. Chances for this very rare country, widely reported in Europe but as yet unlogged in North America, are currently quite good; the supposedly high powered Arabic-language outlets on 764 and 961 are currently sked 2300-1700; look for 764 at 2300 s/on - may be audible for a few minutes only due to dawn fade though. (WRB)

YUGOSLAVIA. R. Avala, the first commercial station in the Communist world, is definitely operating as per recent report in IDXD; frequency, unfortunately, is 1484 - the European Graveyard - and chances for reception in NA are about nil. (ARC)

LIBYA. During the recent revolution, MW outlets on 674, 1052, 1396, 1455, and 1484 were all hrd in Europe; broadcasting activity has still not stabilized at the time of writing. Nothing audible here in Watertown so far. (Ed)

SAUDI ARABIA. Jiddah has added French to the list of languages used and is currently testing on 1594 and 704 1500-1700; might possibly make it on the high-band channel come midwinter. (Ed)

From the European Monitoring Network (Exclusive in NRC!):

- 529 Ain Beida, Algeria, now operating w/600 kw.
- 587 Riyadh, Saudi Arabia, latest freq measured for the drifting superpowered transmitter nominally on 600.
- 783 Unid Russian outlet noted here; not Kiev-782.
- 1439 Two Russians on this channel; one Ukraine and other also in European area.

CLANDESTINES

NEAR EAST. The "Voice of Iraqi Kurdistan" is currently being hrd on 1645, 1590, 1537, and 1280; how about some direction-finding, Arctic? (Ed)

ENGLAND. "Radio Free London", a rather high-powered bootlegger on 1330 has been hrd in Sweden at s/off 1845. Due to a bureaucratic dispute in the U.K. between the BBC and the British equivalent of the FCC, bootleg operations are currently operating with little effective control at the moment. Several clandestine operations are reportedly on the air in North Ireland (Radio Free Orange, etc.), and one press report says the British Army is actually jamming some of these stns. Any info on this people? (Ed)

The Cimberer DX Club, Box 27, DX-9600 Kars, Denmark, has published a list of some 800 of the most frequently heard advertisements in Latin American Radio; copies are available for 2 IRC's from Ivan Stensgaard at the above address; this is not only a good way to increase the quality of your reception reports, but is a material aid to identifying stations too. (Ed)

IDXD Monitor Reports

Members' Loggings:
Bob Foxworth, GPO Box 2111
New York, N.Y. 10001



Telephone Tip No.: 212-582-0844. All Times are Eastern Standard.

- 640 Cuba. CMQ w/mx, gal ancr 2305 7/27, s-4 signal. (Rogers, NH)
- 690 Cuba. CMBC hrd 0030 7/15 w/LV de Cuba ID. (Pall, Conn.)
- 725 Surinam. SRS at s-2 2215 7/28, some QSB and static. (Rogers)
- 730 Mexico. XEX w/ SS version of "Both Sides Now" 2345 7/27 (Pall)
- ** 738- Macau. Emissora Vila Verde, Macau. Traditional CC mx 1050 on 8/2 and evident s/off 1100. Fair to quite good, seemed to be equidistant between Pyongyang-735 and Peking-740 on the dial. Country #54 hrd. (Wood, Hawaii) (They used to be a good verifier when John Alvares, ham CR9AH was their CE. Believe he has since moved to Hong Kong. Hope Vila Verde still verifies. Saw them in 1965, use a RCA BTA10-F xmtr, very modern studio)
- 750 Nicaragua. YNX mixing w/WSB 2223 7/28. (Rogers)
- 760 Cuba. CMCD atop WJR w/nx and Reloj Nacional IDs 7/27. (Rogers)
- 820 Guatemala. TGTO, Radio Internacional ID in mx pgm 2325 7/27.
- 825 Costa Rica. TIOS nightly around 0015, US hit tunes, was good on 7/28 & 7/29. (Kilroy) unID w/instr mx 0030-0100 8/31, very weak and much QSB. (Rugg, Que.) (Very likely TIOS, Andy-Ed.)
- 834 Br. Hond. BHBS presumably the unID, instr mx pounding in at 2100 8/29. (Rugg, Que.)
- 1000 Nicaragua. YNT, Radio Mil, u/WCFL OC 0001/0008 7/14. (Rogers)
- 1015 unID. Weak SS here 0125 9/1, presumed to be YSC. (Kilroy)
- 1025 Colombia. unID here at 0110 9/1 w/Drama; La Hora de Mundial at 0130, presumed HJER altho no specific slogan hrd. (Kilroy)
- 1040 Colombia. HJAI, Radio Tropical w/best level so far this season 0155-0300, good for tape report. (Kilroy) (no date, in July)
- 1090 Hawaii. KHAI, Honolulu: From a letter from L.D. Griffith (President of KHOB, Hobbs, N.M.): "I have purchased KHAI in Honolulu and hope for FCC approval by Sept. 1st." (Wood, Ha.)
- 1100 Neth. Ant. PJL-3, Radio Caribe, mx u/WKYC 2237 7/28 (Rogers)
- 1160 unID. Enough SS to read but no ID 2300-2305 7/16, would guess HJCK or YVSD. (Rogers, N.H.)
- 1190 So. Korea. HLKX, Inchon, talk in Russian 1045 8/2. (Wood, Ha)
- 1200 Dom. Rep. HIDV is semi-reg here most evenings. (Rogers, NH)
- 1240 Japan. JOTK, Matsue. 1000 NHK network ID 8/1, musical IS then local station ID; 1000 is one of the 2 times during local evening when local stations give their own IDs and not just NHK.
- 1290 Cuba. CMKS, Guantánamo, Ote. hrd nightly at 1800 with a ½-hr news and commentary in EE. Also gives ID in EE as CMKS. I also hear strong signals on 950 and 1130 here, my Jones'67 log no longer accurate. (Alex Bowab, USN, at Gitmo Bay)
- ** 1300 China, P.R. Radio Peking FB outstanding 1000 8/1, in Urdu to 1028 s/off. S/on again at 1030 in Urdu and repeats the same pgm. Probable move here ex-1295. (Wood, Honolulu area)
- 1340 Guantanamo Bay. AFRS station here is now sked 0600-2400 (but do they use daylight time there?-Ed.) with a variety of music types. Use of WGBY is banned; station only known as "AFRS, Guantanamo Bay" these days. Here in this area, WGBS-710 is the only US signal here daytimes, and the only listenable one at night. Can hear WLCY, WCKY, WSRF, WRDW, WTOP, WINZ and WBT poorly
- 1345 Thailand. HSKU, Radio Thailand, "Por Chor Sor Ubon", Ubon bowab Ratchathani at 1045 8/2 good level w/Thai string mx. (Wood, Ha)
- 1430 China, P.R. Radio Peking Taiwan Svce. 1015 8/1 w/Mao talk in standard CC (Mandarin) at good level. // 1510. (Wood)
- ** 1470 Fiji. FBC, Rakiraki. New station, previously listed as a future plan only, noted for first time 0845 7/28, carries

- 1470 (ctd.) Indian pgms // 890 and w/WLS evidently NSP, this might now be the best bet for Fiji MMs on the mainland. Very good, peaked at s-9+20 db. Rather pleased to discover this one, believe not hitherto reported active. (Wood, Hawaii)
- 1480 China, P.R. Unknown location, w/Home Svce (not Taiwan svce) at 1010 8/1 and was // 1575, etc. (Wood, Hawaii)
- 1530 Uruguay. unID Uruguayan 0410 7/28 w/Tangos. This was heralded by a good signal from my usual guide to DSA reception, CX140, another station, either Uruguay or Argentina, noted 1510. (Wood)
- ** 1536 So. Viet-Nam. Logged 0955 8/1 YL ID between guitar strums, as usual, and now drifted 1 kHz lower. ID as "dai la tieng noi ...phat..." and definitely included the word "phat", hence, not the 50kW Pleiku 1580 listed in IDXD 7/5 (listed FBIS-Ed.) as unique in that it did not include "dai phat thanh" in II. (Wood, Hawaii) (According to "Vietnamese-English Dictionary" by Nguyễn Đình-Hoà, pub. Chas E. Tuttle Co., the expression "dây là tiếng nói" means "This is the voice of". The expression "đài phát-thanh" means "broadcasting station" as the verb "phát-thanh" is "to broadcast." "Máy phát-thanh" is "transmitter". "vô-tuyến" = "wireless"; vô-tuyến-truyền-thanh" = "radio broadcast." Thus, the expression VTN stands for "Radio Vietnam". The VoA is: "Tiếng nói Hoa-Kỳ". The FBIS slogan for Pleiku-1580 referred to above, "tieng noi cua quan dan mien nam tu do" is possibly inaccurate and in any event cannot be translated exactly as the diacritical marks are missing in the logbook; "quan dan" is possibly a proper noun, "tieng noi cua" could be "voice belonging to...", "mien nam" is "southern region" and "tu-do" is "freedom"...providing the diacritical marks are exactly as shown. Which I can't be sure of, as FBIS omits them-Ed)
- 1550 Colombia. HJAX briefly o/u CBE 2320 6/29, not hrd after 2330.
- 1586 W. Germany. WDR, Langenberg 2220 7/27, mx, GG. (Rogers Waldron, nj)

Verification Section

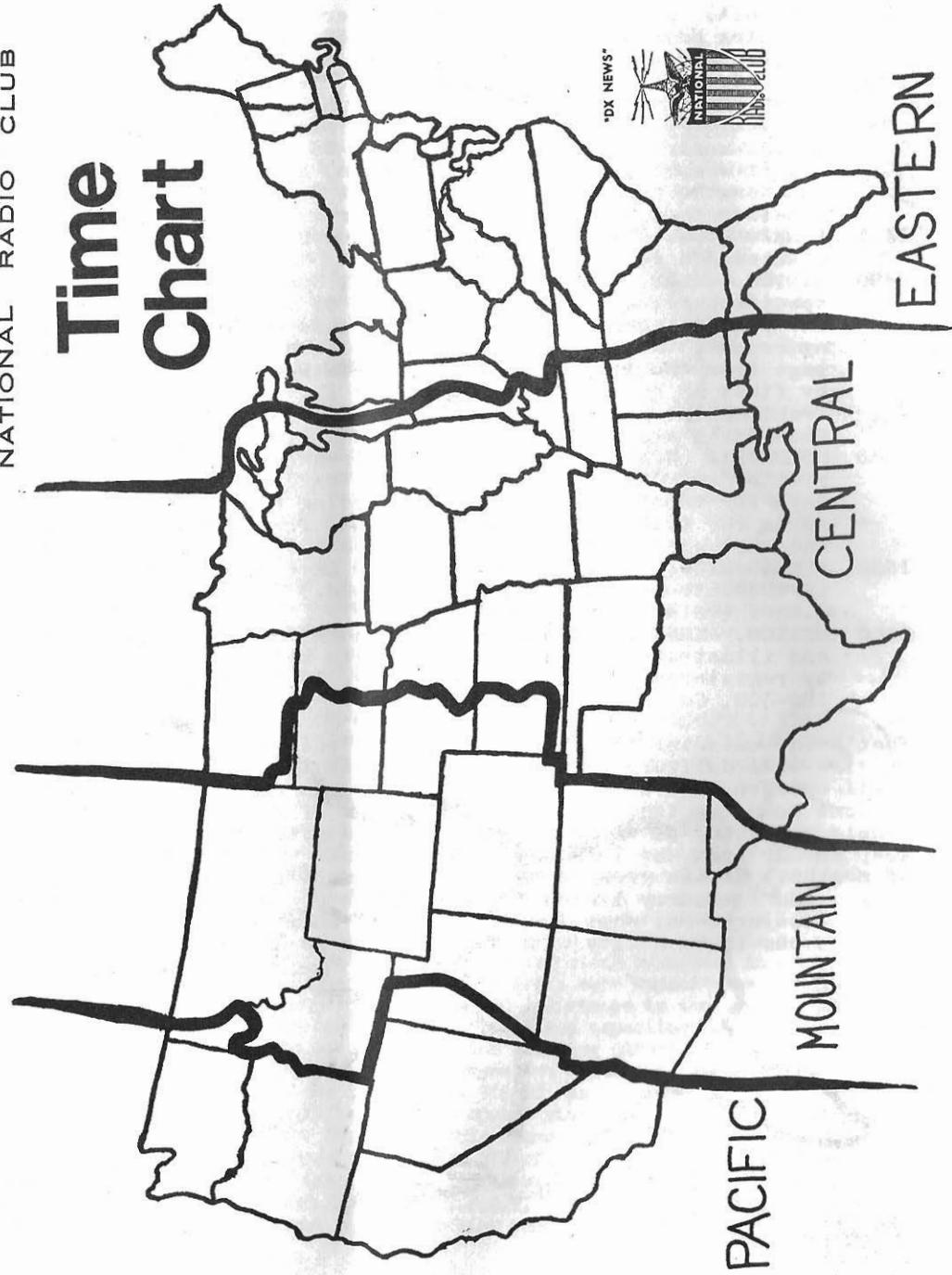
- 550 AUSTRALIA. 2CR, Orange, NSW v/q, sked and list of all Aussie stns, from state HQ in Sydney. (Wood)
- 580 PUERTO RICO. WKAQ v/1 in 10 days for tape report, also decals and survey, v/s: Reinaldo Royo, Jr., Stn Mgr. No. 1 tune was "Ay Querida" by Marco Antonio Muniz, however, Supremes had 2 records in the top 50. (Kilroy)
- 705 ST. VINCENT. V/q from Kingstown in 7 months, unreadable v/s. Sent from Broadcasting House, St. Georges, Grenada. (Cooper, NY)
- 750 ALASKA. KFQD, Anchorage, standard v/q, long and narrow w/tall red letters, from R. Robinson, GM and Stephen Godwin, CE (Wood)
- 770 COLOMBIA. HJJX, Radio Tequendama sent v/1, card and pennant for 5/29 report, out appx 2 months, v/s Enrique Perez Nieto, director. (Roys, NJ)
- 833 BR. HOND. Attractive map v/q from L. H. Young, Radio Engineer, Broadcasting Dept., Radio Belize, after f/up, states freq as 830. (Wood, Hawaii)
- 850 HAWAII. KHLO, Hilo. First v/1, I believe, for this new stn from John C. Hooker, G.M. Slogan is the "Big Island Welcome Station", carries 20-20 nx, sports, volcano reports, Jap pgms, but mostly music. (Gee, Richard, have they ever said, "When the boom sounds, the next eruption will be at sixteen-thirty hours?? hi/Ed.) Address is P.O. Box 1497, Hilo, Hawaii 96720.
- 1010 URUGUAY. CX24, La Voz del Aire, Montevideo. V/1 from Chelita Fontaina de Ruvertoni, same as CX16-850. (Wood, Hawaii)
- 1190 PUERTO RICO. WBMJ, v/q all in EE, v/s illegible, specifies date and time and even mentions for no apparent reason, their 20-20 news. Pgm is all-EE. (Waldron, NJ)

- 1210 COLOMBIA. HJFF, La Voz Amiga, Periera. V/1 from Rocio Grajales Hoyos, Secretaria. Enclosed postcard, history of Periera and a nice 45-rpm record of folklore music. (Wood)
- 1400 URUGUAY. CX140, Difusora Zorilla de San Martin, Tacuarembó. Very specific v/1, QSL card and pennant from Luis S. Dini, Radioemisor, who, uniquely among LA station managers, shows a real understanding of Medium wave DX propagation. A recent report was received from New Zealand, but I believe I am farther. He declares I am their most distant listener. I consider this to be my best verie from Hawaii. (Wood)
- 1480 PUERTO RICO. WMDD, Fajardo, v/q from C. Soto Perez, CE, country #38 verified. (Wood, Hawaii)
- 1490 MEXICO. XEDR, El Vocero de Guaymas, Guaymas, Son. Extremely specific v/1, all details plus page of station log covering the period I heard them and pointing out details I noted in my report. Signed by Lic. Victor Alcaraz O., Gerente; the page from the log signed by Jose Luis Robinson Coppel, Locutor. My first XE graveyard; I must say I am impressed by the professionalism and care in verification, in recent times, from such Latin stations as this one and CX140. (Wood, Hawaii)
- 1550 COLOMBIA. HJAX, La Voz Portena, Barranquilla sent a v/q similar to HJKA (same map and veri text) and a pennant in 11 days for tape report of 8/3. Regarding the letter César Objío wrote the station: The time, date and freq were typed onto the card along with: "TKS tape prove 100% our QSL" (Allaway, NY)
- 1550 PUERTO RICO. Same v/q pix card, in EE (same as the WBMJ card is the intended meaning, I believe-Ed.) from Charles Cordero, G.Mgr. (Waldron, N.Jersey)
- 1560 MEXICO. XEJPV, Radio Chamizal, Ciudad Juarez, Chih. Nice v/1 and illustrated booklet from Humberto Solis Cardell, Gerente, by registered airmail. Address: Av. 16 de Septiembre 329-308, Cd. Juarez, Chih. (Wood)

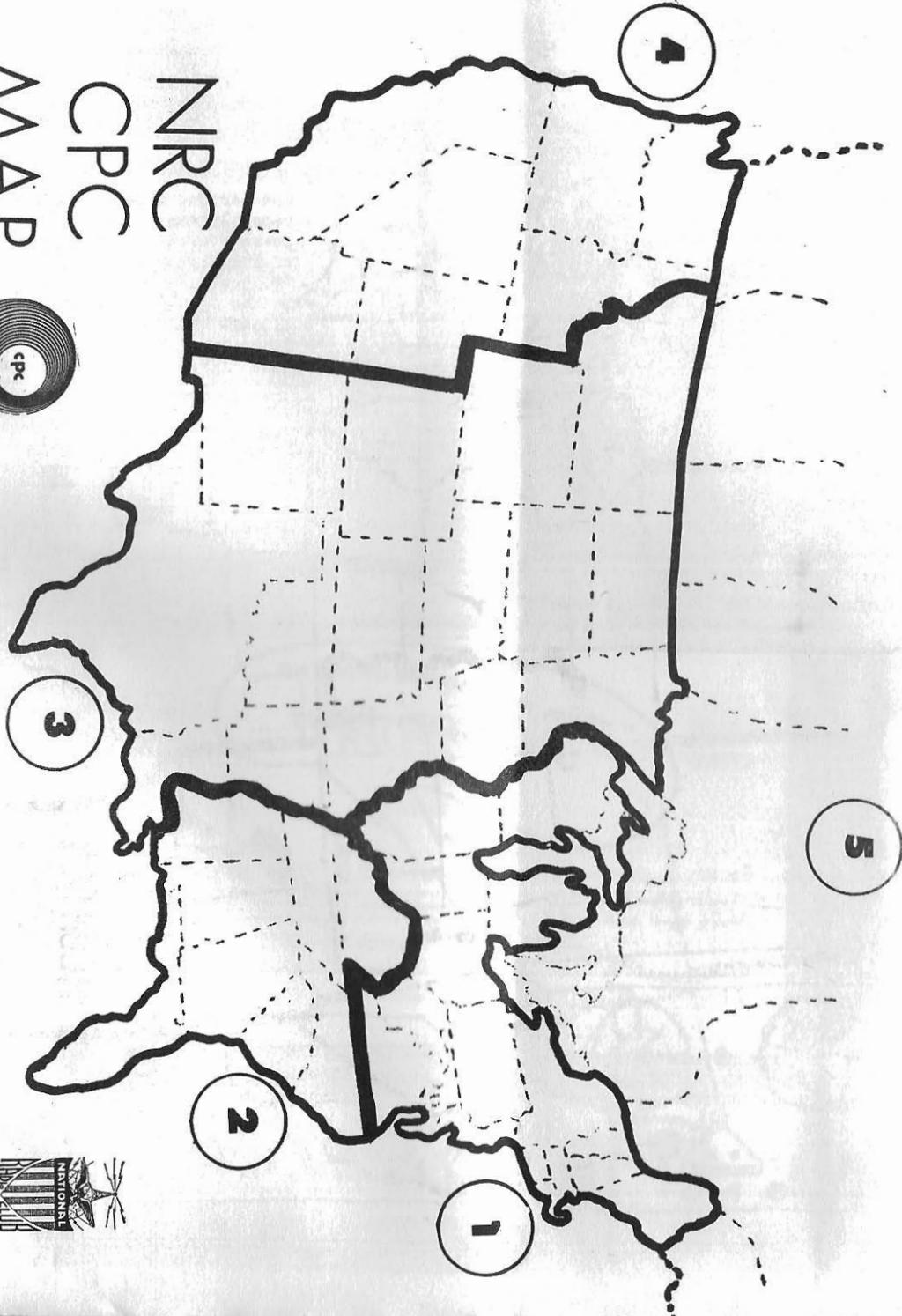
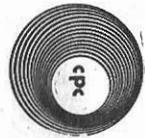
That's the material for the 8/23 issue as well as this one. Thanks to slow mail delivery we were left out last time, but hopefully we'll operate with a bit looser scheduling in future to take into account such eventualities. The beginnings of real TA activity should be taking place about the time this gets into your hands... keep an ear open, as TA's should be at their best for the next couple of months. It was great to be at the Convention and see everyone there, and I'm sorry I didn't have time to contact many WC DXers the following week, when I was in S.F. .. amazing how fast time can go when one is in a city with as many bars as San Francisco has, hi.

73 Bob

Time Chart



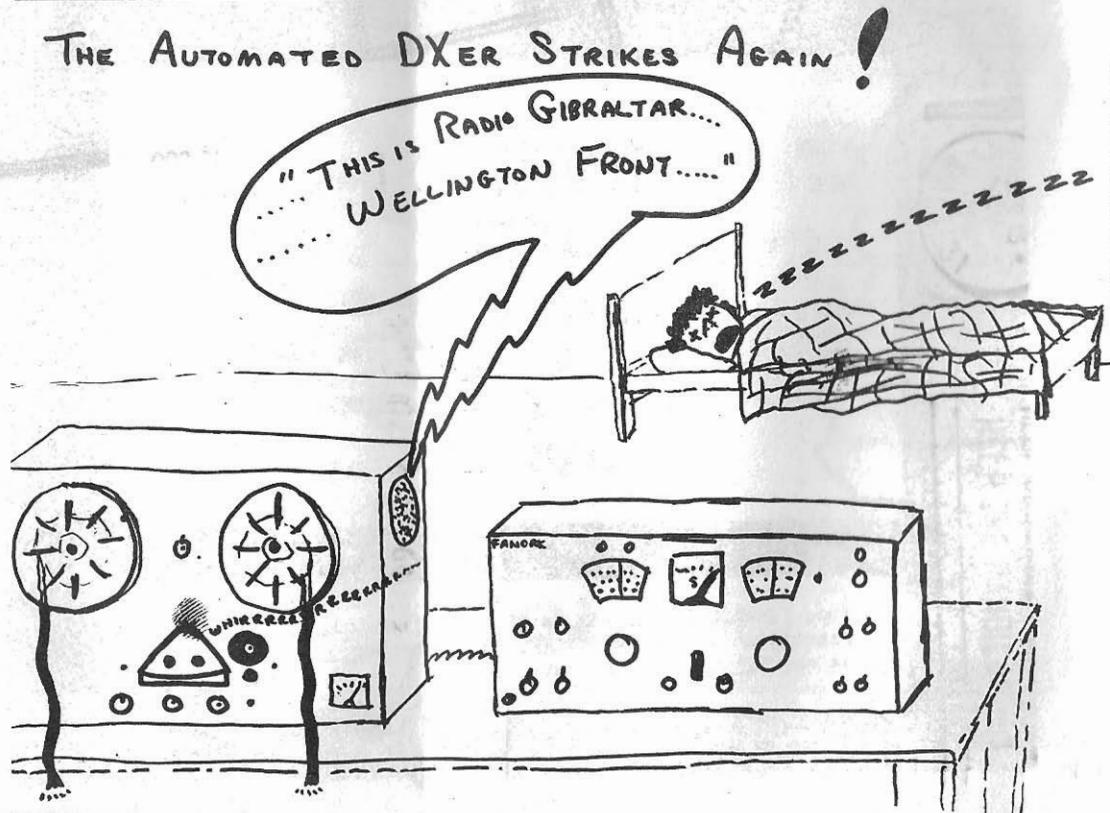
NRC CPC MAP





The cartoon on the left was recently sent to HQ by Alex Bowab, - with no indication of its history. Maybe "Quincy" was an NRC'er back in the Good Old Days? Any clues?? Below - A Jerry Starr original!

THE AUTOMATED DXER STRIKES AGAIN!



DX SHOWCASE

NEW ZEALAND BROADCASTING CORPORATION

STATION **4YA**



Location: DUNEDIN
 Time: 8.25pm Date: 10.2.64.
 Freq.: 780KC Power: 20KW

Thank you for your report on this station's transmission. On checking against our log we are pleased to verify your report.

S. Williams
 Manager.

1140 KC

KGEM

10,000 WATTS

P. O. Box 4158
 BOISE, IDAHO

This is to verify reception of K-GEM on Sept 23 1963
 Thank you for your report. You're a long way off, Jerry!
 Our 1st letter from Kentucky, too! Best wishes and good listening.
 Chief Engineer: Bill Daniel

Date Sept 27 1963

Top: New Zealand's 4YA as QSL'd by Ben Dangerfield in Pennsylvania. Below: KGEM, QSL'd by Jerry Conrad while he was DX'ing from Lexington, Ky.