

ARRL DXCC - DXCC Challenge

The ARRL DXCC is awarded to amateurs who submit confirmations for contacts with 100 or more entities on the ARRL DXCC List. As of 08 Apr 2025, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and RTTY awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

See the [ARRL DXCC FAQ](#) for details.

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|-----------------------|-------------------------------|---|---------------------------------|--|---|
| 3304 EA8AK | 3220 OH2BU | 3193 G0JHC | 3173 IK4DRY | 3156 9A7V | 3136 N4CC PY2XB |
| 3294 HA0DU | 3219 K4PI | 3191 W1NG | 3171 IK1GPG | 3154 JH4UYB PA3FQA S58T | 3134 CT1EKY GM3YTS IK4GME |
| 3264 LZ2DF | 3214 IK4WMA | 3189 W3UR | 3170 CT1APE | 3152 G3KMA | 3132 JR3IIR |
| 3255 SP5EWY | 3210 OH3SR | 3188 F6BKI GM3POI YU1FW | 3169 OH1XX | 3148 JA3FYC SP3E SP3EPK SV8CS | 3129 N0TB SV1FJA UT3UA |
| 3253 CT1EEB | 3208 PE5T | 3187 K5UR | 3167 SM6CVX | 3146 JA5AUC | 3127 IZ0AEG SM3EVR |
| 3250 JA1BK | 3207 N1DG | 3181 W1JR | 3166 JA5EXW | 3145 UR0MC | 3126 VE3EJ |
| 3245 DF3CB | 3204 KJ9I W4DR | 3180 W9ZR | 3164 N3XX | 3143 K4CIA OG2M | 3125 EY8MM IK8HJC JF2MBF |
| 3244 UT7QF | 3203 G4BWP | 3179 OE6IMD | 3163 SM0AJU | 3142 OE3GCU | 3124 JQ3DUE |
| 3243 4X4DK | 3202 DJ6RX | 3178 JH4IFF | 3161 WB9Z | 3141 HB9BGV K2TQC | 3121 I5NPH SM6CMU WD5COV |
| 3232 S50A | 3200 I4AVG | 3177 I4EWH | 3159 NN4T | 3138 OH1ND OZ1BTE | 3120 JA4LXY |
| 3223 OZ1LO | 3199 IK4MGP | 3175 JA4DND | 3158 DL4MCF UT5UGR | | |
| 3222 DJ9KG | 3197 K8MFO N4WW | 3174 W3LPL | 3157 9A2AA JA4LKB | | |
| 3221 JR2KDN | 3197 EA6SX UX0UN | 3174 K5RK SM3GSK | | | |

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| W3YX | 3101 AA7A DF3GY | YO5BRZ | 3055 K4XP SM5KNV W2YC | 3039 HB9AMO WK3N | N4CH N7NR |
| 3119 OK3GU | 3099 LY2IJ | 3077 DF4PL | 3054 JA1HGY | 3038 DL1AMQ W4PK | 3024 DL5DSM F6BEE LA5IIA |
| 3118 G4CCZ IK5HHA N8DX | 3097 GM0GAV JG3QZN JH1GZE | 3076 W5ZN | 3053 JR6EZE | 3037 F6EXV | 3023 JR3GWZ |
| 3117 I0WDX N2QT PA0WRS VA3DX | 3095 EA3A JA2VPO | 3074 KD5M | 3051 OE6MDF | 3036 JG1ULJ W9RPM | 3022 DL2OE OE5KE |
| 3115 NJ6P | 3094 SP9DWT | 3072 AA1V OE2VEL | 3050 K1CP K9CT VE1YX | 3034 I4LCK JA2WYN K2FF | 3020 JA0DAI N5KD W3CC |
| 3114 IK6DLK | 3093 W7UT | 3071 SL0ZG | 3049 N4RJ OH1LEU | 3033 EI7BA JA2FBY JA5AQC N2LT UB7K | 3019 JA7QVI UT9FJ |
| 3111 OH1MA SM5CEU SP2FAX | 3092 SM5AQD | 3068 N0XA W8UVZ | 3047 G4PWA | | 3018 JA3EMU |
| 3110 DL7VEE | 3091 W0BV | 3067 IK6FWJ | 3046 HA5WA JH2FXK SP1S UT7UJ | 3032 K0KX SP8NR UY5ZZ | 3017 R7LV |
| 3109 JA2JPA SM3NRY | 3090 SP7VC | 3065 N4BAA SV1RK | 3044 N9IW | 3031 AA6YQ G3TXF JR7VHZ K8PT N2TK | 3014 EA6NB K5DU UA4HBW UT5JAJ |
| 3107 W4DXX | 3087 ON4AOI | 3064 NR1R | 3043 DK5WL JA5MHD N6AR | | 3012 JF3KON K5XI N5DG |
| 3106 ON4IQ | 3085 DK5PR IK4CIE | 3062 K4MQG | 3042 F5II JA1UQP YO9HP | 3029 S51DI W4TO | 3011 DJ8NK SP5DIR |
| 3105 EA5BM IZ1ANU | 3082 YO3APJ | 3061 G0DQS UX1UA | 3041 HA8IE OH5KW W5OZI | 3028 AG9S SM6CCO T77C | 3010 F5NBU G4OBK JJ3PRT |
| 3104 JE6KYA | 3081 9A2EU HB9BIN K3UA KF2O VK4MA | 3060 G3ZSS | | 3027 IK2YCW | |
| 3103 F6AOJ G3XTT | 3080 9A1CCY | 3058 OE1WEU SP5CJQ | 3040 DJ2YA | 3025 KW9A | 3009 AA1QD K4SO |
| 3102 S59Z | 3078 N3SL | 3056 N8RR | | | |

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|--|--------------------------------------|--|---|---|--|
| N0AT SM4DHF | US5WE | 2979 N2WK N6JV | 2962 YV1DIG | 2947 K1UO OH3BU | 2932 EA1DFP |
| 3008 JA2JW RW2A | 2999 F6DAY | 2978 S53R | 2961 N5ZM | 2946 HB9BZA K9RX | 2931 F2JD IK5MEN JA3PIS |
| 3007 SP2GJV SP7GAQ | 2998 K4UTE | 2977 IV3ODE K5ESW | 2960 DK2LO W9IXX | 2945 W7AO | 2930 OH5VT |
| 3006 R4GM SP3CFM UT7UW | 2996 W4VQ | 2976 EA5RM | 2959 EA6VQ JA0EOK K4IQJ UA3AKO | 2944 K4MWB | 2929 JF8QNF |
| 3005 K8SIX KY7M | 2995 N3NT UA4CC | 2975 JF1PUW K5EJ W3LL | 2958 JA1SYY | 2943 I8IGS JA2DPC | 2928 DJ4PI IK5ACO IK6GPZ JA2FJP RA7A |
| 3004 EA1DR IV3JVJ W3DF | 2993 K9EL W4UM | 2974 KA9CFD OZ3PZ | 2957 FK8CP K2UO | 2942 K0SR W1TSP | 2927 EA4KD K1ST OZ4O |
| 3003 9A5CY CT1IUA OE2LCM OH2BCK PY2BW | 2992 DL7MAE | 2973 WX4G | 2956 NO8D RZ3AM | 2941 N4JF | 2926 DM5EE UA4CR |
| 3002 JA0UUA UX0FF W1YY | 2991 JA2JNA | 2971 IK4DRR UA6A | 2955 JH2UVL W0VTT | 2940 JA0CRI JH1TWT K5BG | 2925 AD5A HA5AGS N5AW |
| 3001 G3SJX US4EX VE2TZT | 2989 JH0INP | 2970 DJ5FI | 2954 N8PR SP8AJK | 2939 IZ8FFA | 2923 N9US OE5NNN |
| 3000 5B4AGN AA4V DJ4AX F5UKW I5KKW JA7MSQ JH4ADV KX4R OK6DJ SP3DV | 2988 K0IEA VE3XN | 2969 JA6BZI JH1IFS | 2953 W3KX | 2938 HB9RG K0EU OZ1AXG OZ8BZ UA3AB UR5WA W6XA | 2922 K1AR |
| | 2987 K1HTV N4MM | 2965 DK1FW JA0FSB K3FN K4SV N4II | 2952 IK6SNR | 2937 JL1SAM RA3DX | 2921 K9ZO W5XX |
| | 2986 K4QL NI0G RA3CQ | 2964 DJ0MDR JA2IVK K5EK | 2951 JA9CHI K1ZZ | 2935 R3OK YU3AA | 2920 I3BUI |
| | 2984 MD0CCE | 2963 JA1XEC | 2949 N7RT OK1MP* | 2933 9A3SM CT4NH | 2919 DL1DUL K2UU K9NU |
| | 2982 JH1HGC K5KC | | | | |
| | 2980 JJ2LPV N4XM | | | | |

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| 2918 WA7NB | W2IRT W6UB WB6RSE | 2889 IK0MHR JA1ADT JR4OZR K3WC | UX1AA | 2863 4Z5CX DJ5AV JI4POR WP4U | 2849 IK7NXM JA2LCP RY7G |
| 2917 9A2NO AB3CV IZ1BII | 2905 PY5HOT W18A | 2888 N8JV | 2876 HK3W SM6CTQ | | 2848 N5UR VE3LYC |
| 2916 EA3GP RU3FM | 2904 PY5EW | 2887 JA6LCJ JH1ECG | 2872 JA8EAT K4HGX K5MC RA4CC | 2862 E72A K3WW N4DB R3AW | 2847 N2TU |
| 2914 OM3DX RK4FD | 2903 RY9C | 2886 JO7WXN K6ND | 2871 N2NL | 2860 IT9JNR YO7LCB | 2846 IK1YED JA9FPI KF0QR R7DX |
| 2913 EA5BY OE8RT ON4CD SM6CNN | 2901 IW1ARB K4CN N8TR | 2885 JA1ANR | 2870 EA1YO JA9LJS ZS4TX | 2859 HL3IUA JA1EOD K4ZYU | 2845 K8ZTT R9FM WA4FFW |
| 2912 AC4G K4HB KV7K NK1K W1CU W8AV | 2900 9A2F EU7A IZ1LBG JF4VZT K3UL | 2884 AA1ON R7AA | 2869 JA2BDR JA2XYO JN7FAH LA7HJA SP6HEQ | 2858 K1DG SM6DHU | 2844 JA1SJV UA4LY |
| 2911 CT1ILT | 2899 OH3JR | 2883 SM5CZQ | 2868 AB4IQ IZ5DKJ LA4GHA LA7JO N8BM W4FC | 2857 JA4FKX UA6MF | 2843 W8GC |
| 2910 K4XO | 2897 OZ1CTK | 2882 JA7JWF RZ1OA | | 2856 JF2UPM K9NW OH2BLD W1ECT | 2842 PY5EG SM4EMO |
| 2909 JA0GJJ | 2896 KG7H | 2881 I1EIS N5TY | 2867 JA3RAR JH4JNG JL1UXH LZ2JE S54E W9RN | 2855 JR3OEH OE1ZL SP3IBS | 2841 JF1WPB K3WA NE1B |
| 2908 HA1RW JE2LUN K8FL N4HU RW5C | 2895 N4QS | 2879 G3LZQ JA2NDQ JA5IU K9YY LA5HE SP6CZ W4DKS | | 2854 KG4W RV3LO | 2840 DK2NG SV1CNS |
| 2907 DL1EJA OH1TV | 2894 RJ3AA | 2878 IV3YYK JA2ZL N4PQX RW0LT W1RM | 2866 JA9APS KN4F | 2853 JI2KXK | 2839 K2VV LA7AFA |
| 2906 EA3JL UA3TCJ | 2893 W0MHK | 2877 SM3VAC | 2865 G0OIL UA3DPM | 2851 W3NO | 2838 W1DIG |
| | 2892 N4NX WB4OSS | | 2864 A45XR | 2850 JR3VXR SP3CGK | 2837 DL6ATM G4IRN |
| | 2890 OK1CF R5AJ | | | | |

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|---|--|--|--|---|--|
| NY0V VE1DX VE3FF W5TCX W9OP | 2825 DL4CF K5XX SP1MGM | RL9F SV1DPI WA5VGI | 2803 EA3WD | 2788 F5PAC N5ORT | 2774 JH3VNC |
| 2836 W8OI | 2824 AB6QM EA1N IK1WGX | 2814 KC7V | 2802 IK0XBX KA9FOX UR5EDX | 2787 KN5O VE3BW W5XC W9MU | 2773 K0JGH |
| 2835 NQ1K UA1OIZ | JA4MRL K0DEQ RZ3DX W2SM | 2813 9A8A | 2800 IK0FUX RU3QR | 2784 K5AQ W7KNT | 2772 IZ8VYU |
| 2834 JA8DNV R7NW SM3NXS VE3EXY | 2823 AI9L JR1XIS | 2812 9A4T K7ZV UW5ZM | 2799 W2LO | 2783 N5FG | 2771 JA5XAE K2CL PA3C RU3DX UA3AGW UR5MID W1FJ |
| 2833 HB9DDO JE1SYN | 2821 IU7QBB JO1WKO N4AH SP6DNZ UA0ZC W7DO | 2810 DK3DG HB9HFN IW0HEX N4DW WB9CIF | 2797 IK0PEA JA1DUH | 2782 MM0EAX SM6BZV | 2770 JF2XGF |
| 2832 K5ZK N0AV | 2820 I4MKN JR7BDQ | 2809 DL6KR | 2796 JS3CTQ K7NN | 2781 AJ6T DK0PM RN3QN UA3LAR | 2769 F4BKV |
| 2831 CT1FMX | 2819 N9AU* SV1AVD | 2808 LB8DC | 2794 IK4PLW | 2780 CT1GFK N7US | 2768 HA1RB JA4PXC |
| 2830 K9EU UA3AP | 2818 AA5AM I6FLD JE2URF W6OAT | 2807 DK6WA JE2LPC W1TC | 2793 AG4W RA3DA | 2779 NI6T W6SR | 2766 G0BNR HA7TM K9US WA2WSX |
| 2829 DJ9HX N5OK | 2817 JH1NYM RU6B S52F | 2806 G3SNN JS2LHI K1OA W9XY | 2792 JH3CUL LA3MHA SM0CCM UT2UB | 2778 NN4X | 2764 AI0O JA4DLP K2RW |
| 2828 IK2QPR K5KLA OK2ZU | 2816 IK0FVC IK5DNF | 2805 5B4MF HA9PP SP9JZU | 2791 K6FG | 2777 DK5AD JA2VQF W0YG WE9R | 2763 RA0FF |
| 2827 9A2JK | 2815 9H1SP EA6ET JR2LJO | 2804 DL5WW VA5DX W9AJ | 2790 4Z5MU HB9ALO W0UO | 2776 JA6VQA JE8BKW K8GG | 2762 9A1HBC DJ9VA HB0CC K5RT |
| 2826 AA4HP ON4GG SM2OAN WA2VYA | | | 2789 HB9DHK I1FQH IK4HLU VE3DZ | 2775 9A2NA JA7KY | 2761 I4KDJ JL1RUC K6KLY |

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| 2760 UN5J | 2745 JA1SVP W2LK | 2732 JA6CRP SV2AEL UT8IO W7OM | NS4C | JH3VWN | 2701 OE3EVA R6AF SP3CJS |
| 2759 IK4ADE ZS6EZ | 2744 RA3XDX | 2731 DJ9ON NV9L | 2721 AD1C DL9GFB K9MK W9XX | 2711 IZ8FWN | 2700 DJ9ZB JH7RXU K7PI N9LB RA9CMO WA2HZO |
| 2758 PY2SP | 2743 RD3K | 2730 K1NU SP9RCL | 2720 K3PA ON4IZ US0KW UX3IW | 2710 EA2IA | 2699 IZ8XQC K8WK KB8VAO UT4MF YU1CC |
| 2756 RV3FT UN7JX | 2742 DL5ME KB0EO SP9ODY | 2729 DK2JX G4PTJ JA2KVD K5UO PY7DJ WB4TDH | 2719 EA7TV F5CQ G4GIR N7RO | 2709 AJ9C HB9AUS JA8RJE R9TO | 2708 CT1BH K3RA OZ1ADL PY4OY UN6T |
| 2755 DL5AN SP6CES | 2741 DF6PB JA1KQX SV1BTK | 2728 JA9TWN JJ3HGJ | 2718 DF2UU JE1LFX JK1EXO N9FN OE6DK | 2707 DM2DXA G0BLB JH1HHC | 2698 K8GI RW3RN WB3AVN |
| 2754 KC9ARR | 2740 JE1FQV R5DT | 2727 JA3AZD SP2BMX | 2717 JA5WIZ JA9NLE JF1UVJ | 2706 S52DD | 2697 KJ3L |
| 2753 AB9V | 2739 F6FXU IT9DSZ | 2726 K5GKC K8AC RX4HZ | 2716 DL7BA UA9FAR W8HW | 2705 EA3BS G5LP W5ADD | 2696 JE3GRQ JG0CQK |
| 2752 CT1BOL N5XZ SM4DDE | 2738 EA7R WX1S | 2725 DL6MRS EA8AKN JF0EHX R3VA | 2715 JA6WJL JI8DGO JR7WFC K0KT NX7U RA3QK W0DJC | 2704 JF7XKY K0JUH ZS1LS | 2695 W5FKX |
| 2751 UA4HAU | 2737 G4IYY JA3GN K1BD OH6RX UT7UV | 2724 HB9DDZ I7CSB JA3FGJ PY2YP | 2714 JA6WJL JI8DGO JR7WFC K0KT NX7U RA3QK W0DJC | 2703 DL1YD K8EUR KA1R NM6V SP6M W0FLS | 2694 AA5C |
| 2750 JA9PPC K6XT N8DJX | 2735 JA4OK K8NVR KK2I WT8C | 2723 SM5FUG W1YM | 2713 K1GG UA0CW W1MK | 2702 AH7C JH1RFR W5AJ WP4G | 2693 W0AW |
| 2748 JN1BMX PA3EWP W6RLL | 2734 JR6FC W6YI | 2722 JR1BAS | 2712 F6HDH | | 2692 K3JGJ PE1L |
| 2747 E72U KZ2I N6ET VA2WA | 2733 CU2DX | | | | 2691 CU2AP WE7K |
| 2746 KP2A UY5AA | | | | | 2690 JA1XCZ OE1AZS SP7ITB |

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| W1SKU | 2673 IW0SAF W9NGA YS1RR | W9ILY | 2651 AA9A JN1RQV | JA2CXF N4TL RW3XZ SV3DCX | 2627 CT1FCX G3WPH RW4C |
| 2689 EI6FR W2KKZ W6VX | 2672 G3VKW OH2FT | 2660 DJ4XA IZ3ENH JA7MFL RW4NN SP3QDM | 2650 G4OWT JH8RZJ W8HC | 2637 JG3IWL UA0FZ UN7LZ | 2626 WA1JMP |
| 2688 JA0DIN JA0IXW | 2671 JE7JDL K1KD W8TN | 2659 K0KVR K8BCK KZ4V LA9AJA | 2649 AD5Q | 2636 EA5GPQ K1LPS K8VFV N1SV N8KOL NN4R W2JU | 2625 G3SVD |
| 2687 W3AP | 2670 4Z4DX DL3ZA R8TX YL2MU | 2658 ON4ON UW2ZM W4QN | 2647 JE3ENP K2EP K9MM KS1J | 2634 I5HOR K1DT N1NK S57AC WC5N | 2624 DF9ZW KM1D LA7GIA |
| 2686 KD6WW RM0F | 2669 WX2S | 2657 N3MN RA1QD | 2646 JN1GTG | 2633 K6GXO NU8Z W6XK | 2623 GM3PPE IZ0RVI N9RS |
| 2684 DF2RG W5CIA | 2668 JA7MOL | 2656 DL5CW K0JY LA5LJA NS6C | 2645 JR2UBS W3JX W4TV | 2631 9A1CAL JA7IC K9XD RX3AGD | 2622 JA1IZZ K0BBC RA3ZH RZ4FO W4FQT |
| 2682 IK8YTA | 2667 K9IR | 2655 HB9LCW UA3TT | 2644 DF3UB N1IBM SM6CUK VE6WQ | 2630 JJ1DWT NA5C | 2621 EC3A JM1FHL W4WM |
| 2681 EA8JF | 2666 G4WFQ | 2654 DL4SZB SM6NOC W8DCH | 2643 OE5RLM W2PK | 2629 IV3IZU JA2AHH JA9CHJ W4OX | 2620 AA5AU AJ3K |
| 2679 EW2A | 2665 F5HNQ J11LET N2BJ WA8WV | 2653 JA3APL JA5NLN | 2642 OE5FIN SM0NJO W9BF | 2619 JA2ATE JH6QFJ N6ED ND0N | |
| 2678 DF2IS K6AM | 2664 K4SE | 2652 AF9H LA8PT SK3PY UT5EL W5LT W7CT WB0TEV | 2641 K8TL OE1WHC W2YJ | 2618 9K2OD DF2GH K7BV* W2QO | |
| 2677 IK4BHO JE2DZC N7KA W4BP | 2663 I5ZGQ JA3ENN OE4PWW | | 2640 DL6ZXG IV3RAV WA3C | 2617 DF9KF K4JJW K4WS | |
| 2676 WN6W YB5QZ | 2662 JA1WSK JE2OVG K7BG | | 2638 CX6VM | | |
| 2675 HB9SLO JH7XRG KE9ET | 2661 JE6TSP | | | | |
| 2674 HB9TKS JH1QAX | | | | | |

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| K5LJ N5LZ S52OT | JA2EPW VK3QI WA0MHJ | 2597 DL6CNG JA2TBS JA7BWT J11DHY | JA7MA JH4GJR | 2574 WA9PIE | JM1CYJ VE3CFK W5BPT |
| 2616 G3ZQH JA7LGE OE3SGU | 2607 JK1KSB KE8UN KU0A | 2596 K8IU | 2586 N8OC | 2573 JH3AIU SP8FNA | 2563 K7XB UA6EX |
| 2615 IZ3GOG K6SIK KG9N PA1CW SP5IWA | 2606 RN3OG | 2595 HB9CEX JA3APU NX0I W3GQ W7BEM | 2585 AA4R OM4EX | 2572 HB9CZR SK0TM | 2562 PY2NQ W5VY |
| 2614 DL1DA JA1WSX N8LJ | 2605 9A4W IK5MDF JA4ITW | 2594 IT9PKO JA1IOA JA5FBZ JH1AGU | 2583 WB5JID | 2570 CT3MD DL5EBE JA1CLW K6EID OK2QA RA1QY W6PJ | 2561 AA5AT EA1EAU G3KWK IK0AGU JA1NWD W1YIF W9OL |
| 2613 KK9DX | 2604 DK9KX HL2WA JA1GHH W3OA | 2593 DL3OH K1RO K4XD | 2582 G3NDC | 2581 JE2EHP K8YTO W9YSX | 2569 F3SG NN4SS RU6L |
| 2612 DL1DUO JG4AKL K4TT N5GH N7IR RL3FA WB8BPU | 2603 K4XI SV5DKL W8KEN | 2592 JK1OPL KG8P | 2580 BA4RF DK2GZ JA1VSL | 2579 I8JIT JA2FGL UA0SR W9FR | 2560 K3JT KQ8M |
| 2611 K2LS K5VIP KM4H OH9MDV W1KSZ | 2602 DL2KQ JA7JI KD0Q W8TWA | 2591 JA1GRM N4RWG | 2578 SP9UPH W6NWS | 2568 CT1FPQ RD3AW YO2RR | 2559 HB9CQK JA9AGN W0VX |
| 2610 K1USA K6YUI LA3WAA NF9V | 2601 HA0UZ K7WP | 2590 RW7M | 2577 IK5BAF IZ8DFO JA5BEN N7XR PY2KP VE3MWX WB8ZRL | 2567 JA3RQ PY5CC SV2BFN | 2558 DL9MRF JA1QOA SM6BGG WB9EEE |
| 2609 EI2GLB K4WA WD8JJA | 2600 JH4ALY W7WM WX0V | 2589 JQ6RUP JR1GJP K1LD RW0CF W6RW | 2576 IK5PWQ JF6WTY | 2566 AA6AA JA2VMU JG3LGD NC9T XE1KK | 2557 DK3WW JA8EJO K0BJ K4EM S55DX |
| 2608 E73Y | 2599 AA8CH | 2588 IK2OVC N2TN | 2575 JK1GOK N3KK | 2565 DL5XJ HK4SAN IK5RUN JA9NFO N4QQ WO2T | 2556 DL1KUR IZ5JMZ PA5TT |
| | 2598 JH1BZJ JM1XCW K5WK N1RR | 2587 DK8MCT EI9JF IK0HFO | | | 2555 CT3HF JA1WPX JR7FRW K8ROX |

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| OZ1HX SP6EQZ | 2542 W7LR | 2531 JA1ELY JM2RUV UA6YW | 2521 KD3CQ KM4HI | KR4F W6TC | 2504 EU1KY IK7XLU JH1QDB LU2NI N3RC |
| 2554 IT9DAA JA9CWJ W3BW | 2541 JF1KKV W3DRY W4VIC | 2530 AA4SC JR9OPJ K5WAF ON6AA | 2520 IT9XTP K6RO RA4CA | 2510 DK5AI IZ2AMW JR1DUP K7SP K9MBQ LY1G N4PY VK3GA | 2503 CT1EAV DJ3AA EA5CRC K3NK RN8W SP8HKT W1ZT |
| 2553 W1YW | 2540 EI9FBB KE4YD WA3AFS | 2529 IW0HQE K8QM RA3WDK UA1OMS | 2519 N4GN RG5A RZ6BS | 2509 DK1WB I2EOW JH0INE JR1BLX JR4DSM NQ7R US3LR | 2502 G4IUF JA1FQI JA8JTH JH1OAI KT8X N6RV RV1CC W4CK W5ZG |
| 2552 OE8HIK | 2539 RA3S | 2528 K9JF W6ENZ W8RLS | 2517 K2KA W1OX W7AL | 2508 HB9CXZ JF1KMC K7GEX OE8SPW OH6JD | 2501 EA3CJ G0EHO JA1TMG JH1OBS K8OM W2GG W4WT W6JRY |
| 2551 LA5YJ SP3SLA | 2538 DS1JFY JA9FAI SV1LK W2XI | 2527 IZ4GWE JA6BJV KA8SYV KB1EFS | 2516 CT1CJJ YV5NWX | 2507 I0JBL RU6M W6BJH | 2500 4Z1UF 5B4AHJ DL1HRN EA5BRE IT9CVO IZ7FLP IZ8IEV K1ZN K2UR K4MS K6EME KI5BLU N4QV N9BX RA3SS |
| 2549 DL5CF IK8GYS PC3T SK7AX W6QUV | 2537 JA2XCR JF2WGN UW8SM WO7R | 2526 IK2OHG JA1LSP N6VR | 2515 K2NV VA3LX W0LS WB8ZRV | 2506 DL1SMA JA2HYD K5FUV K8FH N6RW RA1AOB W5ODD W7YAQ WD5K | |
| 2548 EA1AF IW2FND OH2ZZ RC9F SP1JRF WA2BCK | 2536 K0RS | 2525 I8SAT JG8FWH K2PK UA9FGR | 2514 AE5E G3TTJ R9OK R9SA SV3FUP | | |
| 2547 JA0DET YV5JBI | 2535 AD6W EA1CP LA2PA WA6YEE | 2524 JA1RTX JH1EEB N5AO OH1XT | 2513 9A2X JE1PNX WT8V | | |
| 2546 SP6TRX W7MO WS9V | 2534 DL2CHN HL3GOB IV3GOW N8PW SM4AZQ | | 2512 IK8EPC JA5SUD JR2PMT KD0PO KI0KB RV9CX UA0CA UT7UU | | |
| 2545 EA3BT UY5BC | 2533 JA4DEN JH4HMG R9AB | 2523 G8DX UN7TW | | | |
| 2544 IZ5EKV LA9VFA | 2532 K0TT W3RJW | 2522 K1HT VK3HJ WO2N | 2511 EV1R | | |
| 2543 K6FW K7ZA | | | | | |

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|---|--|--|--|---|---|
| SQ1X VE3RA W3UA WA4LOX WD4LBR | LU3CQ N1LN | 2470 SV2DGH WW3S | 2457 IV3VBM N5KM | 2444 NA5DX S57AT | 2432 OH2IS ON4CAS |
| 2499 W1LW | 2482 JA7AUM XE2CQ | 2469 G4BUE | 2456 JG1WSC N5JB W8DX | 2443 G4DJX KS0DX | 2431 N7BT |
| 2498 K4JAF K9SM | 2481 IZ5RVG JA2AH JH1SJM JR6LLN VU2NKS | 2468 DL8ZAW IK5CBE N6DX OZ8SW | 2455 K9NR N5MOA N6PF | 2442 DL4CW | 2430 A65BR AF4HX GM3YOR HB9FMN JA9GPG KJ6P KT1J |
| 2497 JA7LMZ RZ3FW S51U | 2480 N1EN | 2467 W0GJ | 2454 LA9VDA N2JJ SM5GMZ W2OO | 2441 W5IF W8MJ | 2429 JH7BKN |
| 2494 K2FU W9XT | 2479 EA1RT K4MK LA3BO W4RFZ | 2466 CT3FT OH1NX ON5UE SV9COL W7FN | 2453 JA8KSF JI4WAO SV1GYG | 2440 EA5AT K5PS SM5CLE W5PF | 2427 JH3GCN LA0FA LX2A |
| 2493 NW7E W1BR WS6X | 2477 JJ1SKG SV1VS | 2465 N4LR | 2452 F5LVL | 2439 F3AT SP3PLD | 2426 EA3GHZ K1KA N4GG |
| 2492 JA1FGB JA6TMU WQ3X | 2476 9A4WY DL6JZ DS5USH | 2464 IK2VUC JA1IXY JA1VLK OH8LXT W6SZN WB2REM | 2451 KA2D UA0BA | 2438 DL9TJ KQ4AV W6TMD | 2425 DJ9RR HB9AZZ HL4CJG JA2FBC JE2HCJ ZS6WB |
| 2489 G3OAG N9RD | 2475 OZ2PBS WA1S ZL3JT | 2463 K6KO | 2450 IK0LNN IK4AUY JF1IRW K8RRT | 2437 W9OA | 2436 SP6A W0AWL |
| 2487 K5VWW | 2474 JA4EPE PY2VA | 2461 W4SO | 2448 JA1GHR K3VAT K7GM WA6F | 2435 JA1JAT K9ZM N3CZ | 2424 W2OIB |
| 2486 S52RZ W1AIM | 2473 DF3IS LB2TB | 2460 JA8BNP W8LGJ WD9DZV | 2447 JA4BXL | 2434 CT1DKS HB9BUN JE8TGI N5KO N9CK SM5CZK W9DC WA9CVK | 2423 DL2VPO KB1JZU W1EBI |
| 2485 OH2OT | 2472 DL1TRK SP7TF | 2459 K2AZ | 2446 K3FRK OH1ZK OK1DWC | | 2422 IZ4MJP WL7E |
| 2484 JH0BQX SV1QN | 2471 JA1HRQ | 2458 HB9RYZ JA1ADN JF3LOP N0KV | | | 2421 AA8OY |
| 2483 K3XA K8BL | | | | | |

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|--|--|---|---|---|--|
| 2420 CT1APN DF5AU DJ5JH JA7EPO VE6LB | 2407 JH6PFY ZL1BYZ | K2SX K9FN | 2385 DL8LE LA8HGA W2NO | W2LE | 2359 F6ECI KM3V OZ1IKY W4DC |
| 2419 IK2EGL JA1FNO KF7PG | 2406 JE8CLT K1LT K1UU N6HC W2AY | 2397 IZ5BAM JA1DOF | 2384 K7HP K8YSE KQ3F W8UV | 2371 GM0AXY K8UT | 2358 WF4U |
| 2418 N9ISN SV1IW | 2405 IV3KFB K6PJ NE9U OE2BZL OH4UI | 2396 HB9ICC JH1BNC N7TY PA3CSR | 2383 LU8EKC RK3QY | 2370 DL2UH IK6QOP OE2GEN | 2357 UN9L |
| 2417 JA6BEE | 2404 JA4FHE K1CA K5KV KS3F PY2DS SV9AHZ | 2395 AA7G W2GW WB7B | 2382 HB9BAT | 2368 JP1IOF | 2356 JA3BXF JR5JAX K1KO N1GC N6QQ US0YA |
| 2416 9K2GR IV3HYD OE6VIE RA3DNC SV1ACK | 2403 HB9IQB JG3SKK R0FA | 2393 JR4LNG | 2381 DJ8ES JL2JVX KJ9C | 2367 F5PBM HB9DHG HS1NGR OH1JP | 2355 9K2NO AA8R JA8FHM K8YC N6UK SM3LGO |
| 2415 WQ5W | 2402 N9JV W8MET | 2391 W7MEM | 2380 K1ESE ON4ATW W4UCK YB1UUN | 2366 4Z5AV BA4DW DL9FCY K9FD* | 2354 K0XB |
| 2414 I4ENO JA0AOO J11NJC KG6I | 2401 HA7UW N2NS | 2390 JA1TAA K9RS W4MAY | 2378 F5IL | 2365 EA3NP PY2MC | 2351 WB8K WD0DAN |
| 2413 CT1BWU KA8ZPE | 2400 IZ2FOS JA1ALT KM3T W8WEJ | 2389 JA1BPA JK1TCV | 2377 K1NTR ZS2DL | 2364 AA8LL LU4FPZ | 2350 DL3OI IK2SGB N6PSE N7DC W9EWZ |
| 2412 9K2HN I5OYY W1OPD WA0I | 2399 N5UL | 2388 G3VPW JA0VSH | 2376 HB9AAQ IK0HBN NE3F | 2363 K4ZO N8BJQ RA5BM VE3VHB W7ZJ | 2348 9K2GS DJ5JK DL8SCG K5KPE K7UA |
| 2410 I0YQV IK4MSV KJ0M N6TA | 2398 AA3B DJ4GJ | 2387 HP2AT K9YC | 2375 YO2CMI ZL4TT | 2362 IZ8DBJ JA7QFU JE2RDO | 2347 IZ3ETU PY2IQ XE2X |
| 2409 HA5AO | 2386 JF1RYU K4YMQ PA7RA W1EQ | 2374 I2YDX KA7T RN3RQ | 2373 JE1DXC K7ZD | 2360 N6MZ N8SNM | |

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|--|--|--|---|---|--|
| 2346 G3NKC JA9AA | K0VXU W5GAI | W6RS WF2S | W5GZ | 2306 BA4MY | 2295 EW1BA |
| 2345 K7LJ SM4CTI WA2NPD | 2335 DF7EE DL5XAT JR8AMF | 2326 K4PB | 2315 N5BO | 2305 K8CW N0RN NE8P W7AH | 2294 N6HY PY2RO RU3ZX |
| 2344 EA1AUS JA7PL RZ3DJ | 2334 HB9BYQ JA1SKE W0RX W2YE | 2325 BH4QYX JH8SLS K9GA W3IP | 2314 AI2N K1ZZI VU2CPL | 2304 JA8UIV OK5TK WB8CQV | 2292 RZ3DW W5VQ |
| 2343 JA8DKJ NA5Q W0TT | 2333 HA0HW SM7IUN W0HBH | 2324 IK1SOW JA2FSM JL1XMN JR9LKE K0TPP N3UA PZ5RA VE6AX | 2313 JA4VLK JA7BVH JA9GLW K5DHY SP6JIU | 2303 HL2CFY JH4ADK K4XR | 2291 JH1RGG SP3XR |
| 2342 IK8JVG | 2332 7K1PTT HA5VZ | 2323 JH4BTI K0CS | 2312 JA2KNW JA6CBG | 2302 I2VGW JA7CVL JG4BLW K4TEA W2WG | 2290 IZ4AIK JA3FHL W7CA |
| 2341 SM2GCQ VE3EK | 2331 AC0A K0QC K1IT KG9Z WA0RVK | 2322 SP9WZS | 2311 K8ME PP1CZ R3ST SM5CRV WC5M | 2301 JH0MXV JP1NWZ | 2289 AB5EB N9AW XE1MEX |
| 2340 DK7YY K2TWI | 2330 9A1AD IK2RPE K3TN W0GG | 2321 JA4ZA | 2310 JA5BGA JF1LMB | 2300 4L1MA IU0HDC JA8NFV OE5BWN W7HPW | 2287 K0VSH K5JC PA0ZH VE3YF |
| 2339 IZ8EDJ JF2WXS N5ZC SM3DMP | 2328 JA3EOP K1LI N2DPF WA1SXX | 2320 I8QJU W9BEA | 2309 HB9BXE HL2IFR | | 2286 JA1BOQ |
| 2338 FG5FR JE1AEX JH1CHU K8AJS OK1FED | | 2319 K7MTR UA3ECJ W5FI | 2308 IK6OIN IK7FPV IT9RYJ JA7ZP K4CMS N4TJ ZL2IFB | 2299 I5CRL | 2284 HK3X JA1PTJ OE2KHM |
| 2337 JA2BQX JH1LPF K0GD OH3NHF VE3CRG W8JRK | | 2318 KK1W S55SL | | 2298 HL3DE JA3BSL JO4CFV W9OO | 2283 JA4FM |
| 2336 EW4M | 2327 AB5A HK1MW JA2CEJ LB6KC N2LM S52TJ SM5ARL | 2317 JR3UIC K2XF | 2307 DL6UAA K8DV KD9HL N0RB SP3FAR | | 2282 ABOX IZ8GGF |
| | | 2316 EA1JO JH1IED K0GY | | 2297 HB9BOI LB5WB W3YY | 2281 I1NVU |
| | | | | 2296 SV1FJP | 2280 K6YRA |

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|--|--|--|---|--|--|
| 2279 KA1ERL W5SL | 2269 EA3AKY JA2IYJ JH0GHZ OH1NDA W9JA | 2259 UA6FJ UT3UZ W3RW | JE2JMV JH1XUM | K6SRZ K7TM | SM3CBR W5DNT ZL4AS |
| 2278 JF2ICB JH2IEE K4WNW N9RC W5JAY | 2268 K3SEW K9OW | 2258 CT3KN DF2NS JA3XNH K6DT | 2249 AB5C JH1VUO N2VW WP4EJH | 2239 JA0DWY W4ABW | 2228 JE1GWO W6UC |
| 2277 DL1WM IK1PMR | 2267 9A5N IZ1GLT WS7L YO9FNP | 2257 IK2SND JH4FEB K4NNX K8NKQ LA6UL | 2248 JF0CSK N5DD | 2238 JA0EII JA1CMD K5FZ | 2227 JG5RVQ K2EQ |
| 2276 IK8VRH RU1AB RU3SD VE1JBC | 2266 OH6NIO | 2256 JA9IFF KA4RRU | 2247 K4HMB W8CZN | 2236 AB0CT JH1APK K2FW S51NM | 2226 K7BTW NA9RB NT5V VE7BV W9FI |
| 2275 LA4PM | 2265 4X6ZK AA1AC IK0DWN WS5W | 2255 EA7SG HC1BI JA4HAW JH1BAM JN3SAC N4JQQ | 2246 HI8R PY7RP W8UN | 2235 I0OSI IK6BSN JH1IAQ K5JZ SV8CKM | 2225 IW1FGY W9HBH XE1RBV |
| 2274 W1SRD | 2264 JH3FHQ N4MHQ UR3EO UR5FEO W1OW W5ZPA | 2254 KE9L S57XX W9PZT YL2KF | 2245 FG8OJ VE1HQ W8OP | 2234 JA2JRG KX2A | 2224 AB1OC CU3EQ I5MPN KD6UO |
| 2273 K0AZ K4RG K8BN N7NG VU2PTT | 2263 JK1BSM ZS1A | 2253 JH1DGQ W1YRC | 2244 BA7IO VO1HP | 2233 SM7NDX | 2223 K1NY SM3PZG |
| 2272 KE1F N4XP | 2262 KE6FV OK1DH WA4JQS | 2252 OZ1LWT RN9N | 2243 K0LUZ K8NK NK0S W3MR | 2232 9M6YBG W8ZF | 2222 IK8UHA IW0HOU JK3GHE UN3GX |
| 2271 K9RR W0SZ W8LRO WA3F | 2261 F9XL IZ8EEL JR6IKD | 2251 N4TV W5ZO | 2242 JA3KGF JE2UFF NY2NY | 2231 DL4DZL JF2VAX OM2DX R9SG W8IQ | 2221 HL3AMO JA2DXD K9OT |
| 2270 EA3XP IZ8FDH JG1OGM KG2KJ UA4AZ W5WT | 2260 G3UHU N9UA W5PJR W8IW | 2250 DL1SP EA8BYR HI3T IZ2DLV | 2241 N4EFS NA2M NF1G OH1TX UA1ACG | 2230 JH3FUK K9MIE KJ6NZ PA0JSE WT4Q | 2220 EA9IE OZ7FOC |
| | | | 2240 9A2TN JJ1BMB K4MM | 2229 K2TK N4JT | 2219 DJ5EJ K4VIG KH2L |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| NW4V | IK3SWB | 2199 | 2189 | 2179 | 2169 |
| | KI4DLS | WB8B | AI6Z | DK0UB | JA3MF |
| 2218 | OZ4VW | | IK1ADH | IV3YIB | SP1DSZ |
| EU1U | W9JJB | 2198 | JA8CJY | JA0PE | |
| JH4CBM | WA1FCN | JH4DYP | KR2Q | JF1RPZ | 2168 |
| W6DR | | LA6OP | N4AL | LA9GX | F5UJK |
| | 2207 | W0QQ | N8NN | WA1PMA | HL2EIZ |
| 2217 | I5KG | | | | UT4EK |
| W0HT | | 2197 | 2188 | 2178 | |
| | 2206 | AC9EM | KL0S | K1GE | 2167 |
| 2216 | PA3ABH | SM5CBM | N4ZH | | DL1NKS |
| SV1HEP | | SM5ENX | RD3A | 2177 | IK6HRB |
| | 2205 | WV4TN | | EA4EER | JA2KVB |
| 2215 | DL2HYH | | 2187 | KT8Y | |
| KA2MGE | JA0UH | 2196 | IK4IYC | N3EN | 2166 |
| LA9FFA | JA8FFM | W2FV | JR1MLU | N6PE | LA2XPA |
| RA4FEA | NF4A | | K1NJ | NW6S | W2RQ |
| SM7CQY | W3XY | 2195 | RW4CY | | |
| SV2BOH | | EW1KP | W8BBQ | 2176 | 2165 |
| W9DX | 2204 | IK8BQE | W8MHW | DJ2SL | HL2KV |
| | AB4SF | JK1AJX | WE1P | DS3HWS | I0MWI |
| 2214 | K6ZZ | JR1NHD | | JA3OOK | JJ1LBJ |
| JA1DM | N4HID | K2CBI | 2186 | K4ZIN | K3EA |
| JR1WCT | WA4CEM | LY3W | ZS2EZ | W5DAW | N4PJ |
| K4FJ | | W1SSN | | | N5ET |
| RN1ON | 2203 | W6AEA | 2185 | 2175 | S54A |
| SM5SWA | GOVXE | W8KA | JA8ZO | JA4DHN | |
| | JA0GCI | | PY1KN | JK1UNZ | 2164 |
| 2213 | JA1KPH | 2194 | SM7GIB | W2CG | S55ZZ |
| JA8EOT | W8GNM | CT1DOF | YO3CD | | |
| K1YR | | DF2NU | | 2174 | 2163 |
| N4QWF | 2202 | K5PI | 2183 | HA5PT | N2WLG |
| | EA3EQT | N2WKS | 4X6KA | K5TT | UA1AIR |
| 2212 | I5MXX | WB3JFS | JA3UCO | W2OR | |
| N4RF | JA8JO | Z31RQ | JJ0DRC | | 2162 |
| | N1EVK | | NE6I | 2173 | RZ0AF |
| 2211 | UA0FO | 2193 | PA1H | G0DBE | S59ZZ |
| E21EIC | W2/CT1GIF | JA0EKI | | K2AU | W7AV |
| UX5UO | | K2RD | 2182 | LU5FF | YL2TW |
| W8KL | 2201 | | JA0CGJ | OE2SCM | |
| | G3TQZ | 2192 | JH1SOD | | 2161 |
| 2210 | JA6OXT | N3BNA | | 2172 | AA5JF |
| NF1O | K6MI | | 2181 | 4F2KWT | JA1OVD |
| | RM3DA | 2191 | IV3TMM | G3KMQ | JH1UBK |
| 2209 | RU0SN | EA6EE | W6SL | KK0M | JH1WJR |
| DL1SVI | W2TB | EA8TH | | | |
| N8MR | | IK2DZN | 2180 | 2171 | 2160 |
| UN7ECA | 2200 | JJ6DGP | 4Z5LX | UT3UY | HS0ZEE |
| W4BUW | CT1AGS | | IV3TDM | | I5REA |
| W6RFL | W2YR | 2190 | JA8BAR | 2170 | IK1CJO |
| | W9YE | K1EFI | RW3QM | JH1VHU | IK4HPU |
| 2208 | WE9V | N4SC | UN7FW | N7UN | JF3PNQ |
| DM5BB | | W3ABT | W5RQ | SV3AQR | JN7DOS |

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|---|---|--|--|--|---|
| K1PL | 2149 AA4FL IZ0NRG JA5NPV RW9QA | 2140 CT4GO G8AJM IW0GBU | W7QDM | 2121 A65CA IK2ILH K3SX KD4S W8JV | SM7BHH W4SK |
| 2159 4O3A DH2PC N1RJ VK3NX | 2148 CT1GPQ DL7UPN JA3LDH K4YYL K5GH | 2139 JF0JYR K2BLA K8BZ | 2130 EA8AXT IK0OPS K0DEW W6YOO | | 2113 JA1OVF |
| 2158 K4RO SM4OLL | | 2138 KV1J N6KZ | 2129 HB9G JH1BSJ N2AJ WB6EWM XE1H | 2120 JA1WTI SP8FB W1WC W6RKC | 2112 AE0P DK9HN UN2E |
| 2157 K0KG W6CYX | 2147 JH8SIT N3QE | 2137 K0DD K1SM NZ3O | | 2119 JA7XBG JA8LRG W2KA WB3LHD W18R YO3FRI | 2111 JA4FJL JH0MHR K3PP SM4DDS |
| 2156 N5PHT TA1CM | 2146 9A5TW EA5RD EA8MT | 2136 G3IFB IW3GJF IZ7AUH JN1NBU K7LV N1IX N7WS | 2128 KE9I RW4PU UN6P | | 2110 9A9CW F2NH HB9CRV JA8XQI JJ2WOC N6PM NA5Z RA1OD |
| 2155 WA5LFD | | | 2127 HB9AAL JH1ACA N2SQW OZ5HP W9VNE | 2118 JR6SVM OM5FM R3QW | |
| 2154 JG3FEA SP3V | 2145 DF5WA EC1A RQ3A RU6FZ | 2135 JA6GPR JA7BEW K4KAY KR6C | 2126 IK7YZG K7ACZ | | |
| 2153 EA3GHQ JE2VLG JH0RVY K2BA OH2BF S50R W4JS WW2DX | 2144 DK2OY G3UAS LU6ETB N4UOZ W4IS | 2134 JE1VTZ WB5TUF | 2125 IV3XNF JH3SIF K2AX | 2117 ER5DX G0FUV OM8FR W0CP | 2109 CT1BWW HB9MEJ JA2QXP |
| 2152 UA3O W6IGK | 2143 JA1CZI JA3VPA JF3SUL JH2SON K4NA W3FI W9RC | 2133 AJ4A JH2XQY RA3LO | 2124 CU3AA JA0LXP OE7FMH OZ5NJ W4GIW | 2116 F6DBX JA3QOS JE8LWZ K3OX KF2DT SM7HCW W5WTX WB2GAI | 2108 JA1AML JA1EMQ JA3NHL JA3WLN JA7HRM KW4V |
| 2151 N7IP SP1MWK WA8MCD | | 2132 HB9EFK JA1MZL JR1UFN K7UT W3TN | 2123 JR7GBL KZ8Y VK3BDX | | 2107 EA3DW G4DJJ K3PU |
| 2150 KU4XO N4UFO SM5FWW YB0COU | 2142 CT3DL K8KWT | | 2122 K1ZE KX4TT LA5SJA OH5LLR | 2115 DL3KZA EA1KY IK2ANI | 2106 JE3GUG VE2BR |
| | 2141 DL2AYK DL9RCF N1RK N6IE | 2131 K1RV RN3CT | | 2114 HI3Y IZ5NFD JA2VHO JH1DGJ KA2NDX | 2105 DS5ACV DS5TOS JF4EQJ |

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|---|--|---|---|--|--|
| 2104 DM5GG JA3KNN | 2094 IK2CHZ SV1FJF | SV1CQN YO3ND | 2072 K4JC R9SC SM4BZH W0JM W3BG | 2062 DH0GSU K9SG N6PEQ W2YK | 2052 K5TA OM7CA RA3TT UN7G |
| 2103 JK1ODA K2HAT WA9YYY | 2093 VE3ZZ W7YA | 2081 NA4EA | 2071 KF6HI PA0INA W3GG | 2061 AA4NC W1AO | 2051 JA2MNB JA8OW KJ7TEA LA7XK WV6E |
| 2102 AG1A CT1FUH DM2RM | 2092 N5AQ R1MA ZL2AL | 2080 JH1ORA KC6X N0AH ND4X W5LE W5QM | 2070 AA4M KK2M N0ABA ND5S | 2060 7M4AOE CS8ABF F6HLC JF1LZQ JR1IZM PA0TCA | 2050 AC9S JM1HJG K4JLD W8JH WB8FSV |
| 2101 EA6AJ HB9JOE JH7DFZ K1DC K7KB K8KS KM6HB WA3OFR | 2091 EB3CW G4XRV W1TO W2ZI W4RDX | 2079 JA1GVM K8AV KN4KL N1IW N5TJ PA0GMM VE3JV | 2069 KJ7M | 2059 DL6LIM JL3LSF N0IJ WD8PKF | 2049 JH2PWY |
| 2100 N4IQ VE3NI | 2089 IK0XEZ SM0MPV | 2078 K9DR N3KN N8EHW YO2DFA | 2068 K2SN KK4OK N4NW R3LA | 2058 IK2PZC JA1FJJ W1ZK | 2048 EA3EQS I5JFG K8NS NT2A SP5ES |
| 2099 EA8RR | 2088 WA2USA | 2077 XE1J | 2067 JA1NCZ JH8GEU NK4L | 2057 K5DC OH3NDH PY2FN W0TM | 2047 IZ0BVU JL2PQV JP7EIP K2AJY K9OR WQ6Q |
| 2098 EI8IU KI1U | 2087 JA1CJO JF2DND KB2FCV KF0LA | 2076 OZ0J | 2066 DL4LAM E70T W6KK | 2056 RN3D | 2046 AB4I EC1AIJ F5INJ |
| 2097 IZ5MOQ SV1MO | 2086 KS4S | 2075 JA8DSO KI4GE RA3FH | 2065 G3LUW JL1ARF K4ST | 2055 F5BOY JA1DDZ JA1UII JH6EJG PY2WC | 2045 JA1WWO K1FEV RK2FWA W2PP |
| 2096 F5NBX HA1DAE JA1QWT JA1XPQ VE3UZ W2JLK W5WP | 2085 DL5XL PA3GCV UR5WCW | 2074 DL8PG IU8FRE | 2064 DL3BRE EA3NY JH9DRL N4JR N4OA W8FIB | 2054 DS4AOW OH3OJ | 2044 UN7JID W5RF |
| 2095 JA4FCV K1UI KE4UW ON4RU | 2083 JA1JPM JL1OEC UR5ECW | 2073 DJ0MCH K9RT ND4V PY2GM RX3APM W9MJ | 2063 W7HR | 2053 EA3HRE JA8IUB | |
| | 2082 JM1GHT N7DED OH7TV | | | | |

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| 2043 IK0UTM JA0KJD JH6WDG K2UFM K6MKF K9TF NA9A W4ZYT | WE4S 2036 NU1O WA3I 2035 AA4VV JA7KE K9JU KE8KMX KM1C N9SF WB0O YB2DX 2034 AA3LX K3VN 2033 N3VA V51B 2032 HB9DOT IK2RZP IK5PWN JA1AFR KI6CG LZ2HN W7NN W7VY 2031 K5NZ W7IV 2030 K6IPM N3JT N6PAT UA6AUA 2029 N4IG 2028 DJ0UT KD2T NA2AA SM5AOG | 2027 F5OVQ JP1TRJ K3STX NI3P W6DE 2026 9A5F JA1PCM K1TZQ RT5A XE2D 2025 EA5OX JH6DUL JL2KEQ NO4J S52D WD8ANZ 2024 HB9FMT K5CD N1JP RT0F W5THT 2023 JR1EYB KB6CIO 2022 JA0KJE JR3REX K3BR OR7K SV2HXX UA3FF W3FOX 2021 JH4RUF M0CSD 2019 JA2MOG JI6IHG K1JIU SM5BMB W1ITU WC3W | 2018 K0EOO ON7TK SA0AQT W3ICM 2016 JA0LFV K4KGG RU9UC W1OP 2015 DK3GG IU0LFQ K9MMS RK7T YB1AR 2014 EA8DIB IZ1DFG K2AT N7TT 2013 G0MTN JT1BV N7ZO NP4G RA3QUA SQ7NSN 2012 JE0VJV VE3MV 2011 4Z5SG 2010 HL4GAV JH7CUO K2BB K6BV RA3BL W3BJ WB3D 2009 9A4SS AA0MZ JA0RCK | JH1FSB K2RU R3DG SP5APW 2008 K4EA KU5B LZ2XF N4QWZ ZS1J 2007 7M2PDT DK3UA JH1EDD K3WWT KV1E N6OJ VA3MO 2006 DG7RO DM3AZ F5VHQ GW3SFC JA3EJG KB4MRX 2005 DK5RL JH1NYN SM6CKU WA6JA WC2K 2004 DM1TT EA1DLU RA3ANL SP3QYQ 2003 F1RAF GU0SUP IU8HEP KE3D KH6M UA4PCM WB4YDL YO7NE | 2002 HB9DVZ JA6IVR JF2OZH K5FNQ KD8RQE KK9H N4CQ NJ3K SV3FUO VE4EAR 2001 BH4IGO DL6OCM JE4NAN K4YJ K6KZM N9TF N9XX NU1B VR2XMT W0YVA WV9L YO4DW 2000 AD8RL CT2FEY DK8MM DL2RUM DL2SWN I1WXY IK8GJR IW3SSA IW7DOL JH0AWC JH0NOS JH1ERJ JL1CNY JQ1TIV K8YYY KS4YT KV4T LA1K NG7M OE3HWC R5QA RD4A SQ5NRY VK4CAG W0IZ W3BNN |
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|-------------|-------------|-------------|-------------|-------------|-------------|
| W4KA | 1987 | 1977 | 1964 | WA1YTW | 1945 |
| W5VX | JM1SZY | WA0ROI | DJ7ZG | | DJ8NT |
| W8LKG | TZ4AM | | EI3IO | 1955 | |
| W8QZA/QRP | WC4H | 1976 | JA0CIU | K3FM | 1944 |
| W9ZCL | | DL5OCE | N9ZI | SP6EIY | IT9ODQ |
| WV8DX | 1986 | JJ2RCJ | | W1CSM | N4HN |
| YB2TX | F1ICS | KY6R | 1963 | | NE8Z |
| | K1ACL | | HB9DQV | 1954 | |
| 1999 | KZ5DX | 1975 | I8DVJ | DM2TO | 1943 |
| IK0CHU | N1UK | JO1LVZ | JA1BNW | G4FKA | W8TE |
| LA9OI | SV1FKZ | K5QX | JG3RWX | IS0AFM | |
| | W0SR | | W6AER | K8VC | 1942 |
| 1998 | | 1974 | W9SN | | CU3EJ |
| AC4TO | 1985 | AH0U | WB8ART | 1953 | G4NXG |
| HA5BSW | HB9CIC | GM4FDM | | JH1OGT | JA4EVN |
| K6NR | K6MM | K8FC | 1962 | K2BX | UA4SKW |
| KN6KI | | SV8DOU | CU3AN | K4WZ | W2CVW |
| RX4HW | 1984 | | HA5CW | N3KV | |
| W4RBO | 6K5YIA | 1973 | | W9IL | 1941 |
| | DJ9WH | DL2NOM | 1961 | | ND8L |
| 1997 | JE1HRC | JA4XH | DK1WU | 1952 | ON4ANN |
| AF2C | J11CQA | WS1L | EA7QW | K3NQ | W5LO |
| GI4DOH | JR7MAZ | | K5RJ | W2NK | |
| JA1QXC | N2FF | 1972 | K9ALP | | 1940 |
| NA2U | | DL3JPN | OE3KLU | 1951 | DL7UVO |
| W2NRA | 1983 | | | DF1ZN | K4WES |
| | DF2PI | 1971 | 1960 | IZ0BTW | N9YB |
| 1996 | | DF9PG | JA1CFZ | NA9Q | |
| OH1NPW | 1982 | K2SY | | | 1939 |
| WC6DX | DL1RWN | KB9DAK | 1959 | 1950 | AC6DX |
| | JA1SGU | | JR6CSY | JA2FCZ | JH8NBJ |
| 1995 | W3ACO | 1970 | K9JN | K4OY | N2NW |
| IK1IYU | | J11WLL | SM0DSF | N1ZZ | SM0BYD |
| | 1981 | | SM5CAK | N5UW | UA9CGL |
| 1994 | G4XEE | 1968 | | WA4DOU | |
| PA3GRM | W5GA | JR1VAY | 1958 | | 1938 |
| | | K6TAR | KE8UM | 1949 | KE1VT |
| 1993 | 1980 | OZ4AAL | N0ODK | JA1XRA | NA2P |
| K5SM | G3LDI | PY5IP | N5TW | W4DAO | |
| | IZ4DIW | | SP6AEG | | 1937 |
| 1991 | | 1967 | W5DM | 1948 | JH1MFN |
| HA5GN | 1979 | AA9RR | | N4TOL | K1RH |
| IZ2EWR | AA9GR | JM1TWR | 1957 | YV5OIE | K4MF |
| K2QPN | I8LWL | NS4P | IT9RTA | | |
| | JA1IAZ | | N2RJ | 1947 | 1935 |
| 1990 | SV2DCD | 1965 | NY3C | DL6XK | JA1DOT |
| N6MB | | IU8FRF | VK5GR | DS5DNO | N1KC |
| NH6T/W4 | 1978 | JA3HBC | | N4ENE | |
| | IZ8EJB | KA1J | 1956 | | 1934 |
| 1988 | N1QY | KB9VF | AA6RR | 1946 | DK4TP |
| JA4IXI | NY9H | KD5QHV | JF6XQJ | G3SBP | I2AOX |
| OM3IM | | N6NO | SP5MXZ | JH0OXS | JL3MCM |
| | | N7WO | SV8BHN | K5WBM | NA6L |

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|---|--|--|---|---|---|
| 1933 CU3AK JH8UQJ KK4OW W8FN WN6K | 1922 DL4RCK HB9AWS JE2PCY LY3UM N9KW | 1910 NC4RB | 1901 F5JSD JP1HDK | WW5G | 1879 DL3LBM RD9M |
| 1932 JA4QAD K9GWH | 1921 JA2KSP | 1909 EA1KP K9SE W7WZ | 1900 FG4NO JA7BSD JH2VVH JH7IMX KU8X N6ZN PT7ZT W1AW W5KI | 1890 N4PYI W8QID | 1878 K3NF K5AB K5KG K9AU K9UQN RA4WE |
| 1931 JF1IXE WA9GON | 1920 JJ2KDZ K9AW | 1908 I1YDT JE6HGL K5YCM KD4W KL7HBK SP5TT | 1899 KW4MM WB2BIN | 1889 N2ZZ | 1877 VE3YV W0FS WV2I YO3JF |
| 1930 IK8CNT | 1919 JA3MVI NR9J | 1907 DL4NBE DL5MHQ | 1898 DL8OH UN1L | 1888 IV3ARJ MM0BQN W4YCH | 1876 AA4AK WO2X |
| 1929 JA1OND JA7FWR JG6NGS RL3AA | 1918 N6NU | 1906 GW4BKG HB9IIO IK7WPC JA1HOM K1BZ KI4WCQ KQ4EE N3KS OE1SZW | 1897 G3XLF JR0QFA | 1887 DF6TC JE1BMJ K9DT KM3J | 1875 IZ8AJU K0LB |
| 1928 K6MW N5WA N6RK W5KK | 1917 7J1ADJ DJ3AS HL5BMX | | 1896 JA2EWE JA4CZM K2TER WB5AAA YO2KHK | 1886 JF1WLK KF7F WB2WPM | |
| 1927 EW1P JE1OHL S58J | 1916 AD5MN IV3AZZ W8HMK | | 1895 W0PSY W5JMW | 1885 DK6OR | 1874 DF3EC JA7VEI K6IPV LB2HG W1SLF WB6JJJ |
| 1926 IK2DUW JM1VRW RD3BD UA3FX W3SB WA6SCW | 1915 W2WC | 1905 JA6JEW SM1TDE | | 1884 HB9FBG IZ8EEI KZ9DX | |
| 1925 DM2HK HB9TOC JA0NZR W1NA | 1914 VR2CH W5GO | 1904 DF2UA DL1DAW K5TN K8EAB YO4AUL | 1894 JA0AXV K5OA W4HZ | 1883 IW0BYL W2PA | 1873 N9PGG WA4VA |
| 1923 IZ1JMN KF9UG | 1913 DL9IU IV3IXN N9JR | 1903 KZ1W N3NR NQ3A | 1893 K4JKB | 1882 DL6KO EA2AFV EA5RU JS6TWW NU4Y | 1872 AC4VM I0GOD JG1DUZ SM6CLU WY1G |
| | 1912 DL2RTL JA2ITK K4WM | 1902 AK5Q IK6GRT IU2ANW JA4KDT JQ1ALQ | 1892 CT2IUK K8QKY | 1881 JG3WCZ | 1871 JH7QLR K4EU K4JWA NU4E W9VG |

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|--|--|--|---|--|--|
| 1870 DF1KG I8OCA N6QI NV4B SM5FQQ | 1863 JA1PAH WO9S | 1852 W0QC | 1840 EI6IZ K2MP N8AYY W0KCJ W5UE | 1830 DL8FBD JJ1QUV K0OK | YV5LI |
| 1869 AA4DD JA0MRW JH0EQN JJ1TKN N2ZA RU1AO W4PNY WK7E | 1862 DJ5IO JA1GUC K2CIB W1KDA | 1851 JA1UTZ JA7GYP N6GP WA4QMQ | 1839 DJ8OG JI3BFC | 1829 KD1F | 1820 DL1TS JA3EY K8ZM W1DYJ |
| 1868 JA8AZN N6AX SV1OZ UA1ORK | 1861 JK1VXE N1AC WC4X | 1850 DL4FAP I0LYO IT9AAI JA2KTP JA7JPZ N3XM | 1838 DJ1TO EI7CC | 1828 JA1QIW OZ1HPS | 1819 K5UZ W1UK WB0N |
| 1867 JH8KFE N3ND RA4P RO1B | 1860 DL5KUA SP7ICE | 1849 IZ8MBW ZS6NJ | 1837 CX2CC EI2JD LY9Y SP3AU | 1827 HB9DDM JG1SWM N1IA N7GR UA9FFV | 1818 7K1CPT K0THN K3AJ YO9BXE |
| 1866 HB9MFM JA4HWX K1JB K1JD K9CS ND3L RA0BA RT3M | 1859 IK5FKE JR3XUH | 1847 AJ8MH VE1OP W1WLW W3TI WB4QOC | 1836 G3YQA K0SD N3OC | 1826 JA4SSM K5OT NJ7G YO3DDZ | 1817 N1API WA4BIM |
| 1865 AK5X DM2FX JG1HVC K3PT N4GU SK3BG SP6IEQ W0FK | 1858 EU1M I4JBJ N5QS NL7S SP3F | 1846 JA2XW | 1835 AA4LR IT9BLB JA6HQT K7GS PY2GG W0ZD | 1825 N2KI N5FF W1LE | 1816 4X1VE G3WW K0MD OK4YL S52FW |
| 1864 MU0FAL WQ5R | 1857 AA4U EA5B PA0JNH | 1845 WD8NVN WY6N | 1834 AG5W N6MXU W6WF | 1824 DL1HBT DL7APK IK0EFR JE7ETY JJ1KZZ W4DEE W8OM | 1815 IW0BCF K2IXQ W1PX W3KB WD4OIN |
| | 1856 AA6PW | 1844 K5IB N8SHZ | | | 1814 4X4MF AA9LC |
| | 1855 I4JEE JT1CO K4XU K5CWR | 1843 KK4CB N1MD | 1833 K5ZQ LU8ADX W8CD | 1823 DL5NO JA7QVK LZ2ZG NI5F SQ9OH | 1813 JI1LAT VK6LC WB4VAM WC7Q |
| | 1854 5B4XF W1EG WA5POK | 1842 HB9DQL NE9Z VA7ZT | 1832 JA1XEL JF7ELG | | 1812 JA2OLJ K3MSB W7CD |
| | 1853 EI2HY N7MQ W2RIJ | 1841 AB2E W0DD WB2AQC | 1831 SM3PHM VK3FM | 1822 HL2VA HL2ZN WB0TVY | |
| | | | | 1821 K3GT | |

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|--|---|---|---|--|---|
| 1811 HB9IJC IZ3BJK JH1FVE N8NA OH2RI | N5PR NK7C | 1790 IZ0GYP J13CJP SV8RX W9CSX XE1FAS | 1782 DG5LAC I4JED JJ1PFC SM0XBI | K4WY OZ7DN PY2SEX | UR4IOR UW7UA VA7RY |
| 1810 DL1DWT NM5Z NU7J VA7CRZ | 1800 K3GGN VE3YXO W2DXE W8NGA | 1789 IK2ZJN | 1781 DL1FKA IZ0CKJ JP7FSO K1DW W6TK | 1772 4X1SK K9PG KB1HY N4TD UW2ZO WA0SXV WB4GLI | 1763 IK4THK W9ZJ |
| 1809 K1XV NX8Y | 1799 JE1IBI JR0PJR W9MO | 1788 JA3HBF K0ARS KD8F KT2C LA1U | 1780 EA2AAZ HB9DVO IV3KCB JA7FAS JH1FNU K0GW N2GZ S50B W6OD | 1771 K3SV N7BD ZL3RJ | 1762 AB4GE JH2AJY K4GO K6ZP KF2T N9MR S53MJ SP5JXK TI5CDA |
| 1808 JH9AUB N3RW W0MU WB2NPY YL2CA | 1798 DL7KL EA3ELW K1IFJ KC5LK N7ELL S59DKR | 1787 K1OT K4MV KM7R ON8GT | 1770 EA4DL R3CR SM5YOC WY0V | 1761 HB9BOU NA4MM SM5BS | |
| 1807 JA9ESZ | 1797 N8PCN | 1786 AA7XT G4AFJ N2CG | 1779 JA6GIJ K5AV | 1769 KE4KY WC7N XE1VIC | 1760 DK0EE HB9TMW JR1EFG |
| 1806 JR6IQI KN4PPD PA0MBD | 1796 JF3DRI | 1785 JI8PDC JJ1CZR JL1BYZ K6UFO K7NK K9QFR R5DU W3UM | 1778 JG1LBN JH1ILX JR3QHJ | 1768 K7LAZ NE1F WA7BNG | 1759 W0VHF |
| 1805 CT1BXX JH7WQX W6BK | 1795 JR1DQK K5ZD KA9OKH SV3ICK WC4B | 1784 EA5DFV I2TZK IK1UGX JJ2ONH JM1LPN LA8AW W3MF | 1777 EA5AR JA7DYJ JA7MAD KL7TC | 1767 K0QQ VE3VC | 1758 KE4S KF2TI SM5GLC |
| 1804 JN1XNI K2RET | 1794 I2YWR IK3ITX PA0VLY | 1776 JA6JNF JR4LZX W8GEX | 1775 BA4TB I8YAV N3MK WA2UBK | 1766 LZ1MS N2KX SP5ELW TF3DC W6DX | 1757 JH4JLV JI2FBG JS1NDM SV1NJW |
| 1803 VE6KC | 1793 G4ZOY G7VJR JA1PPW JH5HDA | 1783 IZ0CBB K4SX KV4AA R9MJ WB8BZK | 1773 AJ7G JH1XEF | 1765 K7XC SP5LKJ UR4QFP | 1756 F6KOP G4FAL JK7LXU JP1LRT K5CR NE9R YL3DQ |
| 1802 JH7VTE K2MK KE5PO OE5TXF WK8A | 1792 DL3EA JH4RLY JR6GIM | | | 1764 DS5RNM HB9ZS | |
| 1801 IK0WRB | 1791 W3DM | | | | |

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|--|--|--|---|---|---|
| 1755 K5TR | 1745 SM5ELV | 1737 DL9EO JM1ESG K1DX W3ML | 1729 DK4PE I7PXV JA2PTQ LA2GH XE1L | 1721 DM3ZF EA2J W0PR | 1713 HA7LW IZ5FSA ZS6UT |
| 1754 JR7XOD K8KI VK2CA W8RV | 1744 EA4DEI IZ1JLG JI2KUJ K8SL NA6O RX6DX | 1736 JA4GXS N7MB | 1728 JH2AQI OH1HB PB2A | 1720 HK3PJ IZ6CST KK0DX N4XYZ | 1712 JA1NRH K8SIA |
| 1753 RD8X | 1743 K0HD WA5NFC WB5NHL | 1735 JA5DBE K7FL KW9U RN9CM RU6K W3FJ | 1727 AG4Q IK7YTT IZ0MYH JA1KXT JE4CIL K4AR K4QE KR8T N7HN | 1719 AE4CW G0BBB W6SFK WA2MBP | 1711 W1KMA |
| 1752 AL7R BV1EK JF2HPA N8HRZ W3NS | 1742 DL7JRD K5ALQ N5PG | 1734 5B4ALJ JE0ART JE2KSM ZL1HD | 1726 DL9GTB IK3DVY K4VNY | 1718 K6CF ND3F NX2X WA6TLA | 1710 JE1HPM JG3KCX KG4CUY KS0M W4GP |
| 1751 KR0P LA5XGA | 1741 JA6AVT KW4CQ N0UN N7UVH | 1733 JQ2QHQ K2CYE N6WM | 1725 N6EE V31MA ZS2Y | 1717 K8ZZU SP7CVW SV1GRE | 1709 HB9HBZ JA7BME W8BLA WB6CJT |
| 1750 AL7TC N9AOL W3US W4CCS W8NN WC0W | 1740 CT2GLO DK5QK DL8SDC K4AV N1KDO N5EPA RC2A VK7CW W3HKK | 1732 DL8TV EU4A IK6EIW JA5JUG KA1DJ N4DWK | 1724 F5JY JA3CSZ VE3SKX WA3PTF YB1TJ YO3AIS | 1716 9A1CKH DK1EI IW9HII K5VR K7WE N3RD NO9E | 1708 IT9ZZO JA1SHE JH1SBE N8VV W5UHQ |
| 1749 7L1CYC JA3UNA K2JL N1NU N6BM | 1739 AD6ZJ CT1IZW EA3WL JH8OCV K1ZJA K4EB K6RG OE1ALW UN1O | 1731 JA9NUN JL1GYZ KR4W N2RR W6WA W9GXR WA9JWL | 1723 DL9OBY JA8EIA NA6JD VU2IBI | 1715 KK5OQ N1CGP OZ8X VU2DCC | 1707 AB2RF K9RE SM5CSS |
| 1748 DF7AP JG4NNS OZ1ACB RM6B | 1747 JA1ETN WX2U | 1730 AG7N JE3EDJ K5TIA WX6V | 1722 IK2GPQ KG8CW M0IKW N1WQ | 1714 DL5CL JA1VRU JR3VMJ K8JE LB7ZG N4PL N7KO | 1706 AC6HY IK4DKO JA4MMO OZ3SM PA3BWD W9BP |
| 1746 JE2EBT SM2DMU W1EL | 1738 F5RQQ N0STL | | | | 1705 K7GQ VU2CDP |
| | | | | | 1704 HB9CQL KF4ZZ N7FU |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| W3UL | W9GG | N2LQ | 1680 | 1670 | IK0XIH |
| W7FP | WW8W | N3TR | W1MR | N4BAF | JI1MNT |
| 1703 | 1695 | R6FFB | W4MA | 1669 | K8AO |
| HK4L | JA1FUI | W6GRV | 1679 | LZ3CB | KX8G |
| KO6KD | JH3HGH | 1686 | AH2O | WA5NOM | N0OK |
| NA2X | KF4VTT | AA8SW | JA4IYL | 1668 | 1662 |
| W9ROG | LX1DA | AC5AA | K9SO | 7K3QPL | DL6UNF |
| 1702 | 1694 | AG3V | 1678 | DL7UIO | JR0EQQ |
| JG3HBO | 4X6GP | F6DAM | 9K2BM | HA5LQ | K3LR |
| JK1SQI | K4KEW | JO4JDU | 1677 | HB9BNQ | N5PA |
| KM9E | UA1ANA | K6LRN | DJ3XG | JF3LGC | N8NB |
| W6FL | 1693 | LZ2HM | EA7BJ | JL6USD | 1661 |
| 1701 | EI9FVB | NA4M | KM4NS | K2DC | K7FEL |
| CT3CD | R1QA | 1685 | 1676 | NE3H | RL2A |
| 1700 | W2GS | K3XO | JE1PHH | VA7KO | TF4M |
| HB9VAB | 1692 | KE0A | K2RR | W5HD | 1660 |
| JA0ED | CT1ELF | VK6OZ | PA9M | W8NJR | AD4AA |
| KE5TD | JA3KZV | W1OG | PY6HD | W9KVR | LA4WJ |
| N9DR | K0KP | 1684 | VE1VOX | WA1ZIC | ZP5YW |
| VR2MY | K8OD | EW4C | 1675 | 1667 | 1659 |
| WB2RAJ | N4WE | JA3AVO | IV3AVQ | 4X6UU | AA6RE |
| 1699 | W0AD | LU4FW | 1674 | AE5B | AJ8B |
| HA2NA | W1UE | N9LJX | AA4UC | EC5A | JA1PBV |
| LA4YGA | W4LIA | W8UQ | JA1BNL | K9GS | 1658 |
| WA6G | 1691 | 1683 | KB1W | W9RXJ | DL2JIM |
| 1698 | JK1WSH | VE7SZ | ON6YH | 1666 | I2EAY |
| HL4CCM | KE5FXE | W1JA | VU2LBW | EA4UV | N0YY |
| JA0JPD | N6KK | W4JVN | W1JQ | F5CT | VE1JS |
| K5PC | NS3L | WA2UUK | XE1R | JA1TD | VR2KW |
| KF7NN | 1690 | 1682 | 1673 | JR2PZX | 1657 |
| W8SAX | DJ6NI | JA9RBZ | EA7DUD | K7AWB | SM6AOU |
| 1697 | N4FN | K3MD | NU4I | OH2LHE | 1656 |
| 9A1R | W6RFF | K4MIJ | WT3Q | W7IUO | DK3QM |
| AD5WB | 1689 | WR2K | 1672 | 1665 | F5BEG |
| JH1IZR | JA6ENL | 1681 | G3YBO | JR4CZM | N2CQ |
| K9QJ | K1AJ | JA1JYE | K4WW | SM2EJE | UY2IZ |
| KK9T | K9ARZ | JJ0NSL | W1FA | UA0SC | W0KEU |
| WA4MIT | W4GMY | K9MUF | WB4KTF | WA4MME | 1655 |
| 1696 | 1688 | KC2SST | 1671 | 1664 | GW4MVA |
| HB0WR | AA0ZP | OK1DX | AC0X | AD3C | JA1HSF |
| IZ5YHD | K5MT | RL3AW | W7QHE | IK1MEG | NF3R |
| JM1JZN | 1687 | W4UEF | WA9BZW | IQ2VA | UA3AKI |
| N4AOE | EC6AAE | WB6L | 1663 | WE2N | W0BBI |
| NA6MG | JA7NLW | WF1H | GW4TSG | 1663 | W0JMP |
| RA0R | | YO3FGO | HB9ERU | HB9ERU | WF8R |

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|---|---|--|---|---|---|
| 1654 JE7RJS RN3OA SM4CTT | GM0VRP IK4HLO K2QB R7HF R9JX W9MR | KW1DX NA3F OH1WR | 1629 JH2BNL KW3W OT1A | KC9FFV SM5OJH VE1JF W7YW WB4DNL | 1612 DH3KM JE1CTA KM2E SV2CLJ |
| 1653 K8ZT/QRP KD3HN KU2C SE2T | 1644 EA4DB EA5HM JL1WQO JR7ILA KG5UZ VE3MM W0BM WA3FRP | 1636 NZ5O RN6AJ | 1628 N4MEC N8GP NW4M SV1BYI VE1RGB VE1SK | 1619 DL5AVJ JH7IQQ ND7J W0SD | 1611 G4FTC IV3TMV JN1NOP K4CGY K6LPO W2UDT |
| 1652 GM3WIL K3WI KC6JAM KU4BP N4FY N4ZR VA2IG | 1643 HB9HIT K4FX KK8MM PY2DV | 1635 AA4A JA1DCK N7GCO NY1V YP3A | 1627 EA4EPY G4NBS N8AGU W0ZS W2RA WA4NUF | 1618 AD4Z KF4MH UA0FDX W8WVM YO9CEB | 1610 JA1GVT JR1JGA LA2IR W2GFF WP3R |
| 1651 JA1FVE K7GA N7VPN | 1642 DL1EK W1HEO | 1634 CT1BOY F4FLF F6GCP JA7MYQ JL3DGI JM1JIV N7RD US8UA | 1626 KF1C W4AG | 1617 JG3KLF K0CF KM8AM WB2HJV | 1609 JA1CCO JH1XFR ON6KE WJ2R |
| 1650 CT1AHU K0SRL | 1641 DJ7JC JA4HXF K3WGR | 1633 KI6X RA6AAW RW9SG VE3IQ W7JW | 1625 RV4LC W3OOU | 1616 HK1X HK4EI I5FLN JJ2VLY K1LEC LA7EIA W6OUL | 1608 AA4FU EA5K I0KDF JA2CUS JF1MTV R3IS W5ZE |
| 1649 W0JW WD8KND | 1640 K6XM KE6V N4XMX | 1632 AA3TH KN7Y N1LID N4NR S51MA WF4G | 1624 JR1WYW K5HK K8YE N8WRL UA9CNX | 1615 JI1HNC K4OCE VU2MSA | 1607 N9AKR ON6NR SM3DXC WB1EAZ WB6BFG |
| 1648 JA6BZA K9EXY N5MT | 1639 I5XFD JH2GZY JQ1YIW JR0AMD | 1631 JG1BKX K6UNE K7CMR PT7DX SM5BNK SP5UAF | 1623 IK2QEI W1OK W7CP | 1614 IK7HDY LX1CW OK2ZA UA4PK W5WLA | 1606 K3KY W7VS |
| 1647 DL4UCS JA5QAH OE1PMU YV5KTM | 1638 JA1NLX KR4BD LU1FAM N9TK | 1630 JR1CAD K7HC W5BK W6KGP | 1622 KF4NEF NW7M WI7P | 1613 IW5AB JA2ODB K1FT K5EWJ W7LGG | 1605 SP5GQ V51YJ WF5E |
| 1646 HL1AV IZ5EBL JO3WHB N0AMI YO3VU | 1637 DK3BK JA9RT KK9M | | 1621 K2SD W6CUA | | |
| 1645 DL1USB | | | 1620 9A6ST I7LGM | | |

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| 1604 KC8RP N9IO W6ZQ WB5STU | 1596 AC9O AF4CD CT1ESO N8DUY N9JCS YO9FQT | KE9U KZ7N NK7Z | KJ9X XE2YWH | 1573 DL2HRT EA5ZR WA3GNW | W0FG |
| 1603 D2UY NP3CW W5NUT WT2P | 1595 DK5HZ NU2Q WA6EZV | 1588 DL7UGO ER0FEO FM5CD KE3X N3ZOM | 1580 F5LIW OE6CLD WA6POZ | 1572 G4AYU JM3GXU | 1564 IK4TVP N6RFM UT6UA W4KK |
| 1602 K0COM K3VAR NO0B NY4I PT7YV VR2XYL | 1594 E74A JJ6WZS KD0AA SK0QO | 1587 JG1OWV KF2OG RO7T | 1579 JF1AGB K2ZD NA1DX W9BS | 1571 DK3PZ G4DYC HL5FBT JJ3FRB | 1563 IV3BSF N9DD W2DEN W4AEJ W4NBS W9QO |
| 1601 KY9KYO SP4K YL2TD | 1593 HB9AAA JA3EEM K3GW W1ASB XE1YD | 1586 IZ8EKL K4GK KT4AC SV8LMQ W7TSQ | 1578 DL6GBM JH1AQN K4QD K7LY ZS1DX | 1570 JR3ADB K1KI K2WJ K3DFL W9HP | 1562 IK5QPS YB0NFL |
| 1600 JR5VHU K4AB KB2XJ OZ1RE W4QK W6BCQ WA1EHK | 1592 DL5RDI KU2A VE7CV VR2XLN | 1585 JF3SFU KE4SCY KN4JX KW4J W8PI | 1577 JA4ICR JL1ELQ JM2QWQ K8DE W6HDG WS9W YV5AM | 1569 CT1HHP JH2KMK K6BZS RL3BZ UA1TAN | 1561 E73W IN3EQZ JF3GFH JL1VAL K9CJM W8JA |
| 1599 K08SCA | 1591 F4WDL JA8ECS JF1WQC K5QR UT5URW VE6SH W5VU | 1584 I1PLX N6WT | 1576 EA1T K7CU W5WI | 1568 DL6DQW JA0CVC W3OU WA2BOT YO3GOD | 1560 K0NV KG6D ND1Y UA1CKC |
| 1598 CT1ELC IV3FFI IZ0ADG KB5UNX KI8L N4XX W7TUS | 1590 JR3TOE K4KL SM5HJZ W8MIL WB7QXU | 1583 JH3KAI K4WFM KJ5PQ KL7TS N5EE N6DHZ W5SJ | 1575 DD3KF JA1NQU K0PC K7LFY UR4CWQ | 1567 DK5JI F6DHI IS0MVE IU8IYE | 1559 JG1LFR JH0AHI ON4ACG |
| 1597 I8MTQ K3IE K6EGF W5RYA XE2MX | 1589 AA3AZ F6FYD IZ4AIB JA2HNP | 1582 F4GVO LU2BA N0KK NZ6E W4UFO Z32ZM | 1574 AB0RX JA1XUY N9CO NM9P PT2ADM RU3A W7/DL1UF WD5BJT YV4DYJ | 1566 E77S HB9GWJ IK8YFU N1KX N4MI | 1558 KI4TZ N6VS N8IL |
| | | 1581 JR4VMS | | 1565 JF1OSL JH7HIQ KE1B | 1557 7M4CLF OE3JAG VK3KE W1JGS YV5KAJ |
| | | | | | 1556 JA6GMC |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| K5RKS | RD9U | IZ6ERS | JR0RBY | W3WST | LY3BY |
| N7TM | | JA2ACI | KE7W | W7BEB | N9LEO |
| R3DL | 1550 | KC4HW | N7TR | WA8LRW | NV4A |
| RA3M | G8BCG | KS4XQ | RZ3EM | | W3KHZ |
| W3IZ | JA8RRF | N6NR | VE3OTL | 1529 | W8WM |
| WJ3A | N6EM | W7JET | W4OV | EA1P | WR7Q |
| WW0E | W9LN | | W6DCK | I1CMA | |
| | WA4USA | 1543 | WW1V | JA9IWR | 1523 |
| 1555 | | K4IE | | JL3JRY | EA3ESZ |
| EA4D | 1549 | N5CQ | 1536 | K4MY | JJ1OKK |
| IK0ZIO | AC6BW | RZ6DX | DL5ZB | S59SV | |
| KA6A | DL3NSM | SM5ACQ | EA5GHD | VA7DX | 1522 |
| KK7YC | IK0TUM | UA6J | IK4FNF | W1HS | CT7AUP |
| VE4YH | IK7AGT | VE6BMX | W5FPT | | DL2RD |
| VK3TC | JJ1JMZ | | W7FI | 1528 | DL8DXF |
| | K1CBK | 1542 | | DS3EXX | JA7GAP |
| 1554 | K5AC | JD1AMA | 1535 | JA0FLL | KP3AH |
| AA6K | K8LO | MW0CBC | AA5N | N7JP | KP4AA |
| DL4MM | PY4AZ | N1EK | JE1GGI | SP9TPZ | NR0P |
| KE9S | W5SUM | W2GB | K0IS | W5RZ | SP3WKW |
| N6VNI | W9WO | | UR5WIF | ZL3AL | UA9LAO |
| W0PE | WA9DU | 1541 | W4UDH | | WB2ZAB |
| | | IK2RGT | WA8A | 1527 | |
| 1553 | 1548 | IK4YCQ | | JA8EJZ | 1521 |
| G1VDP | JG2CNZ | JA1XPH | 1534 | K1EO | SM6VR |
| HL3ERJ | KD4SN | JG1ULT | DF2WF | N3AO | WA5UA |
| I8KHC | N2ZN | W4NE | DJ2VO | R7LP | |
| JA9APM | SP7QHR | W8BI | K2OP | WX0Z | 1520 |
| JP1SRG | W5MO | | SV1XV | | 4X1UF/M |
| JR1AIB | | 1540 | VA2LM | 1526 | DL2CC |
| KE4BKL | 1547 | IW7EBE | W6JZ | DS2BGV | G4RGK |
| SV2BXA | CE3BT | J68HZ | | G4DXW | GU4YOX |
| SV3KH | IW2ETR | N5OHL | 1533 | JH1CML | KN9P |
| W4CSW | JH2AYB | OZ1BXG | 9A0W | K8JJC | KY5I |
| W7BQ | K6QU | | JH2KXN | UA9AGX | LA3PK |
| | N7OJ | 1539 | KI7AO | | N6WIN |
| 1552 | WA3GFM | HL4CBX | | 1525 | SP3EPG |
| JA1MLY | | HL4XM | 1532 | CT7AUK | WA3WZR |
| JH8JYV | 1546 | K6ME | HK3CW | EW2DZ | |
| M0VAA | JE1LPZ | KC4HN | K8ROK | G7SSE | 1519 |
| NE0DX | JK1MZT | KF9AF | OK1FMX | KE8G | K7DSE |
| NW7US | OZ2RH | N5ID | UT2AB | NU4B | ND4DX |
| RA9SC | | PY2RN | | UT3UX | UY2UZ |
| WN7J | 1545 | VE2BWL | 1531 | W8VI | W8AKS |
| WQ7B | EA4DUT | WB4CW | KM7DX | | WA8CDU |
| ZL3TE | I2DMI | | VE7XT | 1524 | WB4SON |
| | JK1JAS | 1538 | WS4C | DJ7WG | YO9BLY |
| 1551 | JL3OUW | CU7AA | | DL5KUT | |
| IK1ZOF | K8DP | JA4RED | 1530 | DM5JBN | 1518 |
| JA0NPQ | KX7DX | | 5T5PA | JE4FNC | HK6K |
| JA6GXP | | 1537 | IONUM | K0IL | IK1DFH |
| KD4POJ | 1544 | AD5MD | JA1DFK | K2CS | J11VVB |
| N5VR | 7L4VYK | JH1RVQ | K7CMZ | K6FM | JK1UVP |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| K4HQK | EI8GS | K4SAF | K7PT | YL2BR | 1491 |
| RK9UN | HB9FBM | N0VVV | KB1YNT | YO8CRU | I8NHJ |
| 1517 | IZ0FUW | W0ELT | KC9K | 1499 | K0JN |
| JE3MDQ | JH6WMJ | 1506 | KJ4YLO | EA4TX | XE1ILI |
| K1FE | NV1Q | CE3FZ | KU1T | K5LY | 1490 |
| K4PKM | RA9LT | DL1MEV | N3ZP | KF6A | JA6HUG |
| W0ANZ | UW2XW | I2YPY | NK5B | N7ZA | JE1NVD |
| 1516 | VE7VF | K5DV | NR2C | SM5APS | VE3QAA |
| DJ6TF | W1ZS | N6DNU | ON5GQ | VE6TL | W4PG |
| EA5KA | W5FL | WR2G | R0QA | 1498 | W5SWV |
| K0AU | W6GJB | 1505 | R2DO | K4AU | 1489 |
| VE1DUN | W6ZO | JH3PAS | UA1OM | KA2CYN | F9CI |
| WB1DX | WA2MCR | K3HW | W5DXQ | N4SV | JR2BJE |
| WT9U | 1511 | NC2Y | WB9PNU | ON4LG | K1EDG |
| 1515 | AD4ES | PP7LL | WF7T | 1497 | N6YEU |
| 9A3MA | DK8UH | W4WN | YB0MWM | JR2IMJ | W1LY |
| CU7MD | JA5JGY | WK9U | 1500 | K5YG | WB8IZM |
| DL1MDZ | JP1GUW | ZS1C | AA4US | K8LY | 1488 |
| DL6NDW | N1PM | 1504 | AA8KY | K9AQ | CU2CE |
| JG2LGM | UU7JM | DL9DRA | AE4AN | 1496 | K8AJR |
| JG6MQI | 1510 | JK3NQV | DF8FT | E73M | KC4GL |
| K5DB | DM3PYA | TF3JB | EA2AA | JA8FKO | W6JTI |
| N1ZJ | N2YBB | W4UAT | I4KYO | JH1LAH | YO8RSL |
| W1XV | PY2OP | 1503 | JA4DNC | SM2OTU | 1487 |
| W4PGM | WN9O | IK0PCJ | JF2SQB | 1495 | LA8WG |
| WA0WWW | YE9BJM | JQ1EST | JH2HHJ | JR1LZK | N3AIU |
| WB1AEL | 1509 | K8MN | K1VI | ON7DR | N5UE |
| 1514 | K0VM | SQ7FPH | K4RDU | W8LR | N6IG |
| IW8CGX | K4TXJ | UT7EC | K5EWS | 1494 | W4PGC |
| KJ4R | KB8GAE | WB0OQV | N1BZ | G4AFU | 1486 |
| M0TTB | KG5VK | YB0DJ | N4MIK | KI4TWA | DF7FC |
| 1513 | LA2DS | 1502 | N5VYS | N4KM | DK8IZ |
| AB1J | R3BM | JJ2NWI | N7QU | W1GF | JA6NEJ |
| AG1I | UA9MC | K6JJ | NU0C | 1493 | N7JB |
| DL6DCD | W1MJB | K9LCR | OH3FVP | IK5ZUK | N8XI |
| JA7BAL | W4REX | KB5HC | OK8DD | JA3CMD | W7HUY |
| K8EB | YB2TS | KN7K | R5AK | M0URX | 1485 |
| KA5V | YU3MAY | N2PK | SM0HEV | 1492 | DF9HI |
| N9CDX | 1508 | NN2D | UT2VC | IZ0COK | DM9EE |
| R7IA | DL0WW | YB4IR | VA7QI | JA2QVP | HP3TA |
| UA3DK | IK4DCX | 1501 | W4DTA | JE3PCP | 1484 |
| VE4EA | IW7DVM | AA5TA | W4HY | K5NOF | DL4FDM |
| VE7UF | N3PS | HB9AGO | W9PDS | M0HIH | IK7YCE |
| WA7HQD | NN6K | HL2DBP | WA0JZK | WW8RT | K0MFI |
| WQ1H | WV4V | JJ1DJW | WJ0T | 1499 | LA9VBA |
| 1512 | YL2EC | JR1SLU | WO5I | EA4TX | |
| AC2G | 1507 | K2SHA | WW7Q | K5LY | |
| | EA7DAP | | WY7FD | KF6A | |
| | | | YB1RUS | N7ZA | |
| | | | YB1TQL | SM5APS | |
| | | | YB4CHP | VE6TL | |

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|---|--|--|--|---|--|
| 1483 4X1RU JA3WMS JE2VFX KM4HQE RU3UN S57UX W0OGH | 1475 G0SYF JE3FOR J11UHZ K7QBO LX2SM | DL5CT DL6RA N9LQ W1FC WD6T | 1457 IK5EKB PY3VB | 1449 DM5EM IW5EIJ KP4DS KQ5M | 1442 EA1AZ K3VPZ K4NC KO4PY KP4N NN6L SP7UWL WA8RCK WT1L |
| 1482 DL3IAC I0GKP NG0G | 1474 AA5TL IK6ZDC K1ROA W2GDJ | 1467 K8LN | 1456 K4RW LU2AH PB9FN W1EBM W5MF W5RDW W7VAS | 1448 NR0T | |
| 1481 DL4FCJ KC5PL SM0NUE W2TX WB1ASL | 1473 DL0AVH KT8O LX1KC NX4TT VA7DXX W9NJY | 1466 EI4CF JA3MIO N9OY UA7T W3DQS | 1455 AK6A ES1FB JH1XXB K2KIB N9MB UT5IP YO3GJC | 1447 AF3X IK0WMJ JA1PVX K9KDS KC2STA WA3GM WM4AA | 1441 DL2VFR SP9GFY |
| 1480 AA1M K0XN K8ZH PY2CP W4UW ZL3PAH | 1472 CT1BOH JH1APZ KM2O LU2DSL N6AWD N9LF W4WG | 1465 AB9M DL2RPN K5YU K7VC N4UFP YB2MM | 1454 JA1UPT ZL2CC | 1446 DS4NPL IU0ICA JA1BON JA8ANQ K3SF KH6U N9HF YO9IKW | 1440 CT1DSV HB9FAI JA8BOV JA9KRO NE5S |
| 1479 EI1DG JJ1KXB VA3AYA VE3UTT W0YK WA3SKQ YL2CZ | 1471 4X4JU EI4BZ | 1463 IW0AFS N5XE W5LUA WB0ULX | 1453 KD2SC WA4TII | 1445 EA1PP K2HT KJ4UZU NJ5N OZ9XU | 1439 AD7L DL1VDL KJ6Y KN7D N2XQM XE1EE |
| 1478 A71AM | 1470 IZ8DUD JQ1PCX K8GT KF0RQ WS1F | 1462 AL7LO DJ1OJ F4BDG JA7DPC JG1LRE TF3VS VA3HP WB3BFC | 1452 EC7B KB4CRT KB7V W2SKI | | 1438 DF1IR JA3IWB JK1DDG K1TKL RZ1OK |
| 1477 HB9HVG K0BRO W0IKD WB1S | 1469 DL8DWL HB9CYV K8AJK K9DY KE5BR SM6WET XE1MW | 1461 K6KR N6FS | 1451 JA2XLV K4IA KU9S | 1444 DL2MIH HL1VAU JA0BOV JR4ABB K1KNJ N3AE W4QG W5FK W6SIY | 1437 G4PVM VE3BZ W0ZR |
| 1476 E70A JK1EBA N2BI | 1468 AK7O DC8TS | 1460 N6VH | 1450 DJ5DT IW4CIL JA2BUR K2QMF K5OVC KI2D KT8D W4TUN W6FEL | 1443 JA1ERB N5DT PV8DX TF3Y W8TM | 1436 KK4CLY KT4O NY4G |
| | | 1459 HA5UK K8JRK S50U | | | 1435 A92IO JH1DSF K1WO KM4VI NM1G |

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| VE3FRR W3WH W4GF WA9PWP | W9UM WC1M | JH6WHN JR6DM LA9PJA N7KDT W6SHY | N1RP W1PR W5KFT | JA0HWF UA0SE | 1394 JH2MYN PY2DY W1DAR |
| 1434 BA7NQ CU3BL JH8WXF KE1R N4ST OZ6EI WC2C | 1426 9H1EJ SM4GVR WA5KBH | 1418 TG9AJR W5GJ | 1408 EA2AGV G3VQO JA6XE | 1401 JA1DXA JP3OIK K0LU W4LEW | 1393 NB3R WA7HR |
| 1433 JA6SRB K1OYQ K3MM K7ORK W4HOG W6OPO | 1425 DL6NW F4DSE JA3BKP JH3PRR K0XR KB2ZPB KI9A W2EQ | 1417 DL4ZAB NX9T PY3SB W8HB | 1407 JA4FKO K3ATO N3WD S59DJK | 1400 K7RAN OE1HHB W7NP | 1392 EA1BLA KA1CRP VE3CX WQ8T YB3MM ZS6IR |
| 1432 JG1JPE K0PX K2CYS KO4PRE PS8ACL | 1424 A61BK G3PSM | 1416 AA9D G0THF W2CQ | 1406 3A2MW DL1QQ I0EKY KB0V N4VN N5TF W6DPD | 1399 F5AQB JR4VEV N2ED N4UA NA8W ON4EB WH7W WZ8P | 1391 K4MIL K7VV NI5G SP5GQX VK2GR W7AJ WB8FIW WX8C |
| 1431 K5OO K8MVZ W4AO | 1423 K4MQM K7CTV N3FG N4NQ W5AP | 1415 VK2AAH | 1405 F5IYJ JN4FNZ K6XJ LB5GI N1WON N8HO WN7S | 1398 K0SQ K8WHA VK2HV | 1390 DM3CW JL1BDI K4TR N8II |
| 1430 WX0E | 1422 I4ACO KB4CL VK8DR W9SE | 1414 IZ5EKW JH5RXS NN5E W4AXL | 1404 AB6CF DD0VE HK3J JH8KIY KB1DMX KB7AK RN3QO | 1397 HB9BMY JR2PAU N9BVA WI4T | 1389 DL6KWU I5YDO K5LC K7JH N0TR ON4CCN |
| 1429 AA4ZK EA7AN JJ1LID OZ2ABI TA1L W4HGW W4WJ | 1421 CT1ETE CT1IW DJ4KW HB9DQD JA3AYU K0IO N0TK | 1413 JA5XPD LU3VA N6XT RX3BP WA2VQV WB5ZAM WC2L | 1403 9H1AE AJ4F DL5KW JR1TNE N7RVD ON8VM | 1396 DJ8WD KF8PD NG6R YO6HOY | 1388 CT7ANG KG4USN |
| 1428 DL9MEN N3HBX | 1420 IW9DNI KM2L ON4CN UN7BY | 1412 K7PO LA4JGA | 1402 5Q2J I2KBD | 1395 DH4JQ JG2TSL JH3HTD JI8XLD K2DH KS4V VA3IC W5EC W7KW | 1387 JF1KML |
| 1427 JF2SKV JK1NIU | 1419 A92AA AE4M | 1411 AD0K AI9U | | | 1386 DL2VWR EA3HDZ JI3KHV KE4FW |
| | | 1410 NS4X VU3CAU | | | |
| | | 1409 JH1HLC | | | |

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|--|---|---|---|---|---|
| N7TP W0SHL W1GY | N0IW N5HC | 1371 EI5KO JH8LEY K3JWI K4JPD K6JW N2DXJ SM2LKW VE3TKI WB8EJN | W7PAQ W9GE WA8LOW | 1356 IK2GOQ IK3GBG JA7OBO K5HTE K9SUH TF3SG | W4ATL |
| 1385 8P6SH K6VV K8WVA KG4JSZ N4QM W6BBS | 1378 JA3PRM UA1CEI | K6JW N2DXJ SM2LKW VE3TKI WB8EJN | 1363 9A3NM DJ8SN JA9CGW NX1P OE1TKW TA1AL | K5HTE K9SUH TF3SG | 1349 EI5JL K2QL N3AF W4QNW |
| 1384 JJ1BDX JK1LUY NF7D RW3SU SV1IXK UN7BK W3DIY | 1377 IK8OZV KC1ERO PV8ABC W4DN W4PRO | 1370 KP3V | 1362 DL2TOS JA1TOU K3SUI PT7CB R3BB UR9IDX W4RQ | 1355 HA5KFV HL3EHK K8EJ KI7HO WA6URY WB2KSP | 1348 AA7UN AK3E EA3NG JA1ITJ |
| 1383 F5EOT JA2JID JI1DMH K0YL K4DET NU1T OE1JIS OZ7AM WA0PFZ WB2CLL | 1376 EA2BFM GI4OWA JA2LHG N0YO NA2R ND7K ON6ZV RA3CO | 1368 N4LV PA5A SM0EUI W1GQ XE1GLL | 1361 KM4A KM4VJW N8TFD OH6OK TA6N | 1354 F5MZE IT9JPS IZ2EIH KC2THY W4DCY W4WX W8SET WA5TXY | 1347 GW0ANA JR7COH K3BZ K7CO K8VD |
| 1382 E73D HB9ESS NR4M W0RXL | 1375 IZ7GXB JA7SFD JH8XVT KD2GC NI4Y OV5O | 1367 G3VAO JA6HOZ K0FF K5TU KB9AIT SV2DSJ W6ZPL W7AAD | 1360 4Z5IW JA6FEG JI1QIO N7UJJ RU3UR | 1353 HB9EXQ W3DVY | 1346 JA6JPS K5DCW N9MW VU2ABS WA6KHK WD4IKI |
| 1381 DK3TL JA2LWD KK4XL W8SP | 1374 AA2DT DJ9SO NI7F W0MS W9VQ | 1366 HB9BEM JA2KQE K8GWU PY2HH | 1359 K1XE OD5YA WA1NXC | 1352 JI0VIF K2CDJ KA1API KA3CRC NC4AA S57AL W1RH WS4H | 1345 JG1IEF R7FF SP5DL W7XZ ZL2AO |
| 1380 KB9LIE W4DWS | 1373 K1TWF N7WI TF5B W2PS W4TNX | 1365 G3KAF HA5OLA HB9ODP N2FY OE7FMJ ZL1ANH | 1358 EA8TK JH2NWP K7STO WX5L | 1351 KD5R | 1344 IZ3GOO JA3BG K9HQM LU2JCW N5KA PY2ADR VE3TM WA8VSJ WX2CX |
| 1379 I5GKS JA8EKU K6UXO | 1372 AB6Z AC4BT OE6VHF XE2B | 1364 AF6PK EA1NK G4ZWY JA1UOA JA2CGH K1LTJ N3KR | 1357 7L2QAD IK6RFQ JA1VRY K4RM K5CQT W9ZT | 1350 AG6HE EU7X EW4A IK2HDF JA0NFP JA7JM JI1CYX K0QB KA9J | 1343 AA4EA AC6DD G4VMX JK3GWT K1OR |

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|---|--|--|--|--|---|
| K4GHS W6HYI | JA7FVA VU3WEW W8VK | EA4S JR2ATZ K3LA N0RR NI3K OH3TY WA9JOQ | 1323 AK9B EA7LS WO7V | N1SZ SM0W VE6SV | 1310 IK0PRP JR6GHN VA6JV WB7BBQ |
| 1342 AA8M DK8FS HK6P IK0PRG JF1JTQ VA3VET W6VNR WB2GOK WD9Q | 1335 DM1HR I1SOP NC4MM SV1CIB WY4I | 1329 K1APJ KE4WI W0GN W6HGF | 1322 DL6KVA G6NHU IT9CMU IZ4VSD JA1BWA JA9FO JG1BOK JI1QZQ K2OO W4DVG W5JE | 1316 AB2DP EI7GY GM0VIT JF7NNI K2JK K4IU WA2QAU | 1309 K1WY K8ARY NJ0F UB3A W1JMM YV5JGO |
| 1341 CU2AF JA7QQQ JS2GFA R9HBF W4UT WD8LTM | 1334 4X6KJ JH1CJQ JH1OVY JI1EIX K7RR SM7DXQ W5TFW W5WS WW1L | 1328 F5NTV KE4KMG OH3PYY SP3CMA W1NR | 1321 DJ5EY HK3CQ K4LQ K4NST K7EKD R3QX | 1315 K2OGD K4JUJ N2BT VA3CW WB7VNY | 1308 DL1SVA HC8N JL8IPF N4HGZ N9RV WD4IXD |
| 1340 GM4YMM HB9JNM IK5LSQ IT9IPQ JJ2PIK KB0EL W4TE | 1333 IZ0GVZ K5GM KY4G ND6S S57A YO3HOT | 1327 BX5AA DG1NPM JA1PUK JH1EVD K8MRT N1HO UA0APV W0IJN WR5Y | 1320 JA1FVS JA2DLM JG3KMT K3JM KB8DRK PY8WW W1RG | 1314 AC0W EI3CTB G4IDL K8ZR VK5CE W2FCR W5WZ W8AF | 1307 JH3LCU N1BY VA2LC |
| 1339 HB9PUE IK1NLZ KM5VI KP4DKE | 1332 DJ6BN JG3WJN JH1HRJ K4KAL K9BO KA3GWD NA5S W8PAT | 1326 JE7JZT N1QAE NT9F W3TC | 1319 9A6T DL3ZH EA1EA IZ7EVZ RN5AA VE7VV ZS2I | 1313 AG5CN JA1DCO JH2PWM K4ZA KP3R TF8GX | 1306 AI2S BH4SYG CT1FJK DJ4PT HB9FAX IK8MRD N2MEE W2FB W5UQ |
| 1338 HA7GN K5MO KD4OS SM2HWG WE8L | 1331 AC0B G4DDL HB9TKB JA3KWZ JL1BTJ RA3SD RW4WD WZ4RC YB0AZ | 1325 AF8C JH6IMI SM1NJC SM5AKS W3NRJ | 1318 K0HQW | 1312 AD0TR N0ACH N4GBK NC7B NS7K W4PV | 1305 AA6PI K0TV SP3FYX WD0EVR |
| 1337 IK0CNA IW1PUR K6DJ OH1ECQ W1WV | | 1324 HI8CJ JI1JPJ KI7M SM7BHM SP6OUQ | 1317 EA1KE JH1CTV K7WK KD1AB KR4U | 1311 I4UUL NA5YO VA7XX W2GR W4HM W6DVS | 1304 4Z5GV DL5JS IZ8DEO JA3DAY KI3O WG0G YB0MZI |
| 1336 AB5YI | 1330 DL3ANK | | | | |

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| 1303 DL1SDH K0ABC K6GFJ W9RB WX3P | W3KHQ WX4F | 1288 HB9FAZ I5SDG K6RC N0ATQ | N4WD | 1272 EA5GXI HB9DRS JE4WOK K4FDP KB3LIX NA5NN RX3X SM5BFJ | 1266 GM1BSG K1TU K4ZNC KB2S NG4C RU3U US5CB |
| 1302 JE1CSW K2MHE KC2LSD LA5LT N9AVY W5HMK | 1295 G3GAF G4SGX PA3FWV SP6DVP W2NY WB9DLC WR7T | 1287 CT3BX DS4DRE EA6AZ JH3GRO KC4AA | 1280 JA3MNP K5DNL LB2EG NJ0U W7GA | 1271 DL7ACN ND6G W5GVP | 1265 JH8NQV NN9X |
| 1301 AA4MM M0OIA OK2RZ | 1294 DK3FB K9UWY KN6H NC6RJ PF7M VK3OT W1PY | 1286 DJ2RB K2DF N5TU W3/NH7C | 1279 DJ4JZ JA4VUQ K4GN K9KEU WA2ALY ZS1EL | 1270 DL2AMD I0YR JA6JYM K7MO R3QJ RU3OW WM9Q YB1BML ZP6CW | 1264 DL7AA HB9HHH HB9Q IW2BZY JH8MZF JP1EWY K0UU K8CR N5FEE W2EJG WG9L WO4D |
| 1300 9A2GA JE6UWU KJ7NO KO6LU WU4B | 1293 IK2WPO JA1XQC JE7BUH SM2YIP YO2LLL | 1285 7Z1SJ AC8TO K8LBT KG6B N4ANV W4CMM | 1278 AA5SH F5DBT JA7KQC K6LD KC2WUF PA7MM W9OSI WF4W | 1269 RN0C W0ZT | 1263 HB9FAN JR2HRR R6MO YO2BS |
| 1299 CT1AUO HB9ECS | 1292 N9NM | 1284 JA1TGO K1PTF K5FXB N6DVR Z34K | 1277 JS6QOM K5GZR K7EV K7MY N3ER W2HDI | 1268 EA5XV F1JKJ I8PND K5VG LB2TG PY2XAT ZP9MCE | 1262 7J1ABD IC8SQS M3DFW NR8Z W0UVC |
| 1298 CT3BD N2SG N9OF OH1LR UA3GT YB1AYO | 1291 AE6Y K3GO K9ZG W8FAX W9MAK | 1283 DM6MA EA1AUO K8DJC W1DXH W2OL | 1276 F5TMJ I2LXA NY6C NZ0O WA9IVH WB8RFB | 1267 DK1KW G3PLP JA4HDO JH0CLK K0GEO K3TRM K4ZMV OK1ADM W2XX W5IO YU1FJK | 1261 IK5BSC K3TLP WB8Y TZ |
| 1297 AB6L DK3HV JA7JND JA9BEK K9JDP TA2RC UN7TX | 1290 BG8PA DJ2UU EI3ISB K9JP UA1CGS VR2VAZ WB2UFF | 1282 A71EM EA1K JL1IHE JR2BYJ K9MX WW4LL | 1275 JA3UOQ UA4PT ZS5LEE | | 1260 IK2GAJ JE1CPB JK1PEC K8OS K9GY W2NWU WC6Y |
| 1296 CE3EEA JE3OUW OE7SEL PT2ND | 1289 KN9N NN1SS OZ7QB | 1281 DJ9CW KB5IY KC9G | 1274 JL4CVG K1BZM W2UB | | |

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| 1259 DF3FJ G3HSR JA6ATL JA6SQR K0RAR LA6ZFA N0RC OK1MBW UZ1WW | K2RNY KB4KBS LU5FCI MU0GSY SM4BNZ | KH6XT KQ5U N7RP VA3NXM W0CK W4ARK W4EJG | SQ8J W4MPY | KA9UVY KC9WPS SA3CAT | KF5WCP OH2ID WA0BZA |
| 1258 F4CPF JA2CPD JF7RJM | 1251 EA1WX HL4RBR K2GLS NG9J S51AD UA2CZ VE3VV W8LIG XE2AU | 1244 A65BD AA5B AA7X IZ2MHT NN7X | 1238 4X1VF DL7BO JA0AVS LZ1XL VR2PX VU2TMP W6PG WA5SOG WC4V | 1232 JE4RAL JS2KWL K3CWF N8NH SM6CGI WB6AXD | 1226 DL3BUE EA7AZH HA5FA HB9DLE HP2NG K1PT PJ4LS |
| 1257 4Z5FL IK8TEM IT9VDQ JA7DOT K1GND S50N S51DV | 1250 AA6XV JH0AKV KB8U KK8X R4FAN SM3CZS WB9ZNY | 1243 F4GTB IK2LOL IZ4ORF JA1IHD K8RCT WA7RLL | 1237 EU4T IZ2USP KC4PX KR0O N8RF PY2AB VA3OKG | 1231 G3YSX IK8PGE JA1PLT KJ5Y LB8OH W2FKF W8YV | 1225 AK4PR DL6WT |
| 1256 IZ0FYW K1WNT VE3PJ | 1249 JA4CSJ KK6T | 1242 G6GA JA1AKL JA8DBU JK2VOC W1MRH W4AVY WA8Y | 1236 EI5GM JA1UBZ JA6MWW K4EQ KV7N N8KU OM0AST R2AB | 1230 DJ4DN JA1QOQ JA4OPW K0ZR KX9X N9QQK SP7MOC W2IZN WA2C | 1224 AB4FH JH4ADF NX4D OK1UU |
| 1255 JG1AID JH1SWD JH4VDP NE5W W3HER | 1248 NZ0T SV3RKM W8MRL | 1241 G6AD JH4CPC JL3JTD K1JX K5NV VE7VZ W1NT | 1235 EW7A JI2EMF K9AAN W6IZT | 1229 EA1AHA JA1IFD K3PH K4MQ LA7QI N0FCD N7TK W3JXP WA3IIA | 1223 AE9DX EI7JZ JA1CPU JM1CMA K9IA W4DSM |
| 1254 EW1LM KE5MMT TA1PB W2FS WQ5T | 1247 AA0FT JF1MUI N6ORB UA6XT | 1240 AF2D JA1SZN KX6C W2OSR | 1234 IK0OZD JA4MEM JH0LME K4LRX K6RR KD0S W9GM YO3IPR | 1228 JA3BLN KB8KIM OH1XFE UR7CQ W2KNG W7YED | 1222 EA7/LA9DL K4NTO K5SES W5RY YO8PS |
| 1253 EA4XT JH8CFZ OH1LAR PY5VC | 1246 AB6BT DJ9BX I2XIP N0VD W1ECS WA8EQP | 1239 CE3CT DL5MM N6GR N7TW N9EAJ | 1233 DL4HRM JH0LQD JR3MTO | 1227 JA9EEH | 1221 JA1QVR JA3AOP KF8HR PR7AB |
| 1252 AB9KZ K0KO | 1245 9J2BS K2SZ K6EI | | | | 1220 HA3OU JG1IIF KJ9B OH2TA WA1HEW ZL3NB |

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|--|--|--|---|--|---|
| 1219 CU3HN KD3UY KQ9J WA4TMJ | 1212 AA2IL DJ0AH F5VML JO1QNO UU2JQ W0MAN W1UU | 1204 G3CWW JA0GZZ JR4PMX SP6MAA ZS6RJ | N9XG WE2K | K7QA WB3AVD | JH7RTQ KS0JD OH1TSM |
| 1218 AD6DK AD7XG JE6AVT K4VZ | 1211 I4FTU IZ3KNK K3XC OH3KAV WX0Y | 1203 JF7DZA JH8DBJ KA7CVJ N4WMB ON4AGX SP1NEN W9JOE | 1198 IW0AGX JI1FXS KA5VFU PU2POP SP9IZV | 1192 AJ4HW DJ0IF IW1CAB JF1CPH JF2QNM KI0KN LU5OM NC6K OH2BC | 1185 AB1QB JA1EYN JA9LSZ K0XM N5YY N6KJ |
| 1217 EA5IAG VK7ZE W0VD YB0EIN | 1210 G0FWX JA4ONP JL4BSE LA1CO N6XG | 1202 IK2ULM IW4EII JE7LHT K2RSK N8WD WP4CQ | 1197 DS4DBF HB9ACC K4GM K4OP N4TZ NW6V RU0A W4BH W4IDX | 1191 DL8OK LU9DO NZ3M OZ9GA W0SA W7VP | 1184 DL6ZBN HA8FW JA7MNF JH8BOE K4JGR K7YZO LU2DX |
| 1216 DF2QC HI3R LA6FI N2WM WB9B WF4B | 1209 DF7GG EA5BD N5OP N6MA OK2FB | 1201 5P5Q HL5YI IS0/YO3RA JR6PGB KV8P PW7T W4GH W6CN W7CQQ W7RN WA4YYM | 1196 DL1ECG EW3CW GM5YTT JA6WIF JE2RBK JK1BIB W3ATV W4CIR W8QXR WA8IQF WB4M | 1190 DD1JN HL2FDW IV3BBR K8ESQ VE3GYL W1BYH YT7T | 1183 F8AMV IS0EBO K4RP N0LD N2RD N8WXQ VE3VGI W7LEA W9FXA WA9MAG YO9FLD |
| 1215 CT3DZ JA1JMF NY7T W1MO | 1208 KN4OK | | | 1189 AA9AA AF3K G4YCS K8TS | 1182 HB9EBM KI5T N5KUC WA3WNT WM5H |
| 1214 EA4EJP JA0BES JL1JVT K6VVA K7HV N5RZ WB9IWN | 1207 DJ3CQ JJ1REU JL1MWI K1QN NS4F WB8EKG | 1200 AB5GU DD0VU GM4KHE JH6RTO N6DW ND0C/QRP OH5XB ON6MX | 1195 JA7FSB KE2M LA8PDA UN8GA W2ZQ | 1188 JG6CDH K9XR KO1H N3HYB RW5CW SP3UY | 1181 EA6BB HR5/F2JD K4RMM K9BQL KD4EE N9IXD SM0BSO W4NF W5XU |
| 1213 AA5H G0OSK JH4GNE JH8JWF JI1BJB N9FH S57TA SM7WVZ VE4GV W4NK | 1206 ES2IPA K7SO KL2R W4UR W5SV | 1199 EI9E JA0TEA KF3N N2ZL N3RR | 1194 DF5DH K2RKJ N6VI N8DC R2ARR R5AA W9KB | 1187 G3EKJ JF1QQK KL7NW SP2DW | |
| | 1205 CT1END GM7NZI | | 1193 EA5FCW IK5IFH | 1186 CT1EPJ | |

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|--|---|--|---|---|--|
| 1180 G8APB IK6DEN JA2QPY JR1KBJ K0AFN K2SG KD9ZR N5EKO N5WNG WO3Z | LB7Q N8QQC NT5A W6NK 1174 IK6CAC JA2AYH K6AWR N4LSJ N9AZZ W4SKW WE9A 1173 DJ3GW DJ3XD JA6CM JF1KIG VE3FAC VU2DED | ES4AW JE2VYM JS6SCC K2FJ K2HJB VE3XB 1168 IK4RQJ NE1RD NT5O ZS6NK 1167 9A4BL I1FBJ IK2GAO K1RM K4CSB NA4CW 1166 DJ6TK F8EZE W5CWQ 1165 CT7AKW JT1CS PA5CW W4DFU 1164 JA2CKK JR1FHP OZ9U 1163 EA3HSO HL5FEI JA3EUB K6UIP N3PV N7FF N8IK NI8Z VE3NJC W9FF YO4NA 1162 DL9GOA IZ8EYN | N5RN YO9GJY 1161 AA4OC N7GVV UN2G W7BJN 1160 AG5Z DM1DK F1OBJ F6FFR K0FD KB8ZUN VE2NGH 1159 JF3VEC M0MCV N6TV NT6AA RA3LAL S51DD 1158 DD9WG JA2AXB JA3AAW JA3VUI JH1BUO J11SVY JJ1IRS K1YT K6SY W6IS WA7YAZ 1157 A71XX DH5JG DK1AX F5VMN JA5CDL JA7GDU K6OJ K6VHF KS8W N7NW WD1M WU2G ZL3REX | 1156 F6BLP K1VSJ K3WJV KM8V PH7A 1155 AC0DQ K6ASK K7JY N2CJ SP7ASZ W4RS WA1NLG 1154 I0KRP JN3ONX K5CKS K9UO NC1M UA9OR WB9WHQ 1153 EA1WH IT9YOZ IZ0LNP JA1ILA KD8FO N1FOJ VA3YP 1152 GM0NAI IK0FUR IK5ZAJ JA8NSF KP4JRS KP4P VK4BUI WA8NLX 1151 JH1AWJ KA5M N5CR 1150 JA8WGX JH8CXW N4UP | N4VG RM4C W7MD 1149 AC9A IT9DDS N8AID SP5AMN SP5NON WB2AA 1148 OM2AGN WB4KTC 1147 DL4DW IZ1JIZ JG1WNO J11DCW K0JJR K0UBR K4ZXV K5WQG KA5SYP N0AB SV7CUD UX7VA W1RCR 1146 DF3VG LA3DV NG3J ON7LX R0SR W3KN WA7AVL 1145 DH5MM JA5BZL K4HEB K9QA KN8F YU1JF 1144 EA5DKU F6IMB JA3RAZ JE2FJI |
| 1179 EA2RY IU4CHE JA2HIJ JR6LDE N2TC UA3NFI UA6FZ W4GHW | 1172 DJ9FK EI8KN JA4BUA KB7QFE W1FZ W2FDJ W4HVV 1171 6K5AQY DG5DBT JA1DIO KA3S W4ASE WU7X ZL2LW 1170 IW2CAM K3SW KB9S KK5J LZ1CY N0SL N2YF PA2R WN0L 1169 7N4OBV | 1178 4F3BZ AA9WO AC6T IK6IJF K1IB KT5V NC7M NR0Q WA6QGH 1177 JH1EIG WO5D 1176 CT1DIZ DL0IV IK2WSO IZ3XEF JA4DEY OZ1DSD VE7ON W9LQI 1175 CU7AJ DL7XU JH3EQP JH8LLE LA1J | 1156 F6BLP K1VSJ K3WJV KM8V PH7A 1155 AC0DQ K6ASK K7JY N2CJ SP7ASZ W4RS WA1NLG 1154 I0KRP JN3ONX K5CKS K9UO NC1M UA9OR WB9WHQ 1153 EA1WH IT9YOZ IZ0LNP JA1ILA KD8FO N1FOJ VA3YP 1152 GM0NAI IK0FUR IK5ZAJ JA8NSF KP4JRS KP4P VK4BUI WA8NLX 1151 JH1AWJ KA5M N5CR 1150 JA8WGX JH8CXW N4UP | N4VG RM4C W7MD 1149 AC9A IT9DDS N8AID SP5AMN SP5NON WB2AA 1148 OM2AGN WB4KTC 1147 DL4DW IZ1JIZ JG1WNO J11DCW K0JJR K0UBR K4ZXV K5WQG KA5SYP N0AB SV7CUD UX7VA W1RCR 1146 DF3VG LA3DV NG3J ON7LX R0SR W3KN WA7AVL 1145 DH5MM JA5BZL K4HEB K9QA KN8F YU1JF 1144 EA5DKU F6IMB JA3RAZ JE2FJI | |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| JR1KAG | K8POM | KK4MA | 1126 | OG1R | PY5JO |
| K0KV | LA4RT | N2WPT | JR1HYA | YO9FFX | WJ1B |
| NA7RH | N3YZ | UA9JLL | KO6UW | | WO6T |
| OH3DP | N5UM | | N2BSA | 1120 | |
| OH7LZB | W4ATM | 1131 | W4KVS | JH1LZU | 1114 |
| W8GU | | IZ5GST | W5HY | W0UY | 4F1OZ |
| | 1137 | SV1IZY | | W1RZF | JA0HXV |
| 1143 | K7VL | YO5OEF | 1125 | | JA4DLF |
| EA5BZS | KZ2R | | 7N2JZT | 1119 | KA4H |
| ER1LW | NN5G | 1130 | F8GB | AB4H | KE1IU |
| N6TR | RA0LQ | F6FNA | I2DJX | HC1HC | KK4BZ |
| R8IA | | IK2CMN | JA5ICH | OH8JK | |
| TF2LL | 1136 | IK6CGO | JH1BHW | SP6BXZ | 1113 |
| UA9AEU | AD4EB | K3RWN | JP1GVC | W4AFB | DK4MX |
| W6MYN | CP6XE | KG2GL | JR1FCS | WN1M | DU1KT |
| | JO1ABS | KJ6MBW | N2IC | | JA7PPK |
| 1142 | K8CC | NR5R | NZ7Q | 1118 | LU1HLH |
| JH1HGI | LZ1MDU | W3XX | SK5PZ | DL1MAJ | N8JS |
| JH9OSX | N1RM | W4CC | W6LZ | JA1CC | NT9E |
| KS4WA | RN3A | W8TOM | | JM3XZC | PA0QRB |
| OH2DW | SP5ZCC | | 1124 | JR0GXA | UA4CX |
| VU2NXM | VR2IL | 1129 | EA8TZ | N1DC | W4PJW |
| W1ES | WB9MSM | AK6I | K0MP | N4VAN | W5TUF |
| WA5YOM | | BD4SX | N1AAM | W0ZX | WF7B |
| | 1135 | DF2UH | VE7NY | | |
| 1141 | DJ3ZF | DH8GV | W1ATV | 1117 | 1112 |
| JA1SHC | EA7LL | HL4GHT | W6AYC | AA2WC | DL6DH |
| JA7MWC | HB9FUX | JA2THS | W8WRP | AB9YC | JL7BRH |
| KZ1X | HC1HN | KB4EE | WB4PWZ | N5JEY | JM7TKK |
| OM3CND | JA8KAW | N3OUC | | | K4SBZ |
| WA1LAD | N2WN | N5BA | 1123 | 1116 | KN4FO |
| | RN7G | UA3LIU | AC7ZG | DJ7AO | N6RVI |
| 1140 | VA2MM | VE3AJ | G4VWI | F5JGA | W5SG |
| DL1DH | WA3YZD | W7AM | I1LGR | IT9ABN | |
| HB9TJG | | WM1G | JE2SOY | IZ4COT | 1111 |
| JH8FIH | 1134 | | K4VAC | JA4OIJ | K0MLD |
| K1BG | IK0UUM | 1128 | PY2FZ | JA8ALB | K2IE |
| N9RE | JF2ERJ | AK4AO | W9AP | JG2KKG | W4CZ |
| NW8U | K4ODL | DS5JMG | | K9KU | |
| WQ5C | KO1I | JG8NKJ | 1122 | N5QZ | 1110 |
| | N3GS | K7KJ | DD0ZN | RJ6J | DL1CF |
| 1139 | VE3KKB | KB8DID | E20YLM | US3IZ | JA4GCF |
| AI4QQ | W7VV | NR5O | JG7AMD | | JR1KEI |
| JP7SOZ | W9HZ | W4MC | K3HPA | 1115 | NB2P |
| K9YZ | | WS7I | KI0HA | EI4HH | PT7NK |
| LA9L | 1133 | | SV1AOZ | HK3VHZ | |
| SP9PRO | AD4RE | 1127 | UA4ARL | IZ5BYJ | 1109 |
| W5MJ | SV3EXP | DL7LX | YB9AY | JE1COB | K3FT |
| WA9LEY | W4GHD | DS3EXT | | KD3TB | NS0Q |
| | WA4AFE | G3YFE | 1121 | KG6WIK | RT2O |
| 1138 | | N9ATF | IK0XKP | KI6MQX | RW6MBC |
| EA1IO | 1132 | VE9VIC | KI2Y | KJ2U | W9LU |
| I8DPP | JH1GNU | | KR4DA | LA7MFA | |

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|--|---|--|--|--|--|
| 1108 AB7RW AC8L AD4XV AJ4IM DL3NM W3UTD | DJ5KL IK5XLB IK6WEZ JL1QDO NM4SH RN3TT SM6TKG | LA3SG N0RQ PF1MO 1098 CT1EGW DJ3EJ E72AD IZ2CSX K2UT K4OTV K5YAA KA8YYZ N2MFT PA1MVL SP8MVC SV4FFL | YO8OY 1093 DK1MM EA3CWK EI6AL I0BJV KD2BS SV1JSN 1092 DJ2TG G0UII KD2OV KS4Q ON4VT 1091 G3XVF JA4XHF JA7LMU JH6JMN K4YL W1MI 1090 AA2VG CT3FN DJ6HR DU1IVT EI6JK K3IXD K4WJ KM4GZI UN6TA 1089 AC6ZM IK4SBR JA8AWR JI2UDK JM1GAW JR1QLM KK4TKJ N9AI UR6QA W2GGY W3MS W7KKC 1088 EA7OH G0HSA | JA1DJO K0OB K4AVU KS4L MM1PTT 1087 JA1GFD JA3DBD K4AEN KA1BQP KI4YY N3NO N7LAN NK4R SM3DTR 1086 AA4QE ER2RM JA8DRK JG1EIQ KE9UA LZ2TWY RA3FY W4JDS W7WRJ 1085 AI7W DL9SAD LA2LI N8PE NN8L TA3J W4OWY WA9IVU WB0RUR 1084 DO4DXA IZ4IRO K3DQB KB4FB KJ7WY KO9V KX4I VE2OWL VE3SMA W5QZ W9MDB | 1083 DL1ASA DL9ABM HG6IA K0TI UX7IN 1082 4Z4OQ CP6UA JE1WBA JE2DJC K4FK KD8MQY N4QK OR4K UA4HAD UA4HDB W6MVW W9BWR W9GFB WB8YJF 1081 HB9HFM K0FG K8FB KM4CQG MM0BQI NZ6N SM5CCT W7JWM WW1WW 1080 EI9CN HB9FBA JK3NSD K6EV KG7CW N6JM NR2D W7PC 1079 AD7KG IC8TEM IK6IHN JL3RNZ KV2S LU7DW N5MI VA1SEA |
| 1107 DK2GP EA1AA JF3AHI K6IRA KE3ZT N4KEB VE7ACN | 1102 DS4CNB F8DZY K3NW PA5O VK4OQ | K5YAA KA8YYZ N2MFT PA1MVL SP8MVC SV4FFL | | | |
| 1106 G3PMR K0KM K2UF K7IA K8CJY KL7KK LA9KY PA2TMS RT0Q VE3EDY W0QD | 1101 AB5RM IT9RDG IZ3DBA IZ6ELF JH1URT LU7HN N2SU NO2C W1XK | 1097 AD6KQ AG8L JE3CYW JH7XPW K0YY K5TDA N1UZ N9EN R3LO | | | |
| 1105 AJ6V DJ3AK IK7MXB IV3NVB IW7DHC JN1RFY LB8CA UN7ED VR2ZXP W9VA WB5TOI | 1100 DL1DCT I0ZUT IK1ZNM IK8IPL IV3IYH JA3KKE K4IJQ K7PTC KG8V KH6DX N4DE SV1HAK VO1NA W3MRL WA5YNB XE3E YO8DHA | 1096 AD9DX JA0EBV K4CA RG7G WW5L XE1RCS | | | |
| 1104 K7MH N7EO OZ6TL TF1A W0HBK W9BB | 1099 F5VHJ IK8WCA IZ7GIT JH0IEW JH1FRW K2GW KK4ODQ | 1095 A35RK HA1AC K3UW TA2AD W0QL W9KX | | | |
| 1103 AK1P | | 1094 8P6ET IZ0HTW KC2NJ LU1FM N5RP W0CO W0YBS | | | |

| | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| XE2W | WA4VJK | N1BKB | 1062 | W5MT | 1050 |
| | WB6RAB | N5DI | JH3MHI | W6PH | JA1JYS |
| 1078 | | UA0LDW | W1WEF | | J11SAI |
| DL4KUG | 1073 | | W4BR | 1056 | JR2BNF |
| EI4DQ | G3VSQ | 1067 | W4KCM | K0GK | K0MB |
| IK4DCW | JA1UWB | JA7EU | W7SYK | KC4LZN | K0SON |
| JA2SEQ | JF2UEE | K9WZB | W8ZR | N0PFE | KX2B |
| SM7CZL | K2TA | KC3D | | N5JC | NJ4V |
| YB1IQE | NE3K | KS0T | | OH2BUA | NO3U |
| | RA6WF | LU4DXU | 1061 | ZS4JAN | SV2SIF |
| 1077 | W1DDD | N9JF | EI6GF | | W4IEE |
| JA2HOL | | SM5AFU | F8DQL | 1055 | W8RHM |
| JA8BZL | 1072 | W1TYQ | G0MMI | I8NLC | |
| JF1CZQ | DL3NCR | W4MBD | JH0NBN | JG1GJH | 1049 |
| K4BBH | IZ8BRI | W8WV | KA4LBD | LA4URA | AA3R |
| K5MMH | JH3LIB | | LA9SN | UU5WW | K5UN |
| K7BWC | K0HB | 1066 | NF4J | WD4NGB | N3COB |
| N6ER | LZ1JZ | AC7JM | | | PY2BT |
| W1JFK | RV3DB | IT9RWB | 1060 | 1054 | W3EP* |
| W1USN | W5PD | K1TO | EI9HX | EA4OR | WV1X |
| W4WNT | ZS2ACP | OK1DO | G4GEE | JA0CRG | YO8WW |
| W7IMU | | ON6LY | IK4PKL | JA4EII | |
| WD4EGF | 1071 | W3ZQI | IZ1EPM | K8BB | 1048 |
| YS1RS | DL1AN | | W5IP | KB3KJ | EI8IQ |
| | KJ4FZ | 1065 | W9IM | N4NM | G8CRB |
| 1076 | KX5U | DL1ZBO | | WA1F | IZ1POF |
| AG4TO | LA2RZ | EA4BHK | 1059 | | JK2XJE |
| HA2ESM | M0VCB | IK4GRF | DL0UM | 1053 | KH6CQH/W7 |
| JK7IKU | ND9M | K8YFM | K5AX | 7N3IJT | N1GFV |
| KB5CSQ | NK9O | N4DJT | KI0G | EI5GSB | SM7GXR |
| OZ3ABU | VK3MB | N4UW | LA1FH | K6OHM | W4ZV |
| W1ZZ | WI4R | NJ1Q | R2OB | KY6AA | |
| | | NK9R | SV1PIZ | V47JA | 1047 |
| 1075 | 1070 | W4MOT | YL2CB | | DM2DXG |
| AC4CA | JA7GZM | | | 1052 | K0GVT |
| DL5SDB | N3PPH | 1064 | 1058 | IC8XIL | K3ZK |
| JA5XWB | NJ9C | DS5WQT | 9A5MI | IK2QPO | KD5RBU |
| JJ2SEE | OZ7BQ | ES2BL | JA2BL | IK2RLS | KF6E |
| K1TN | | IK1AAS | JF2RSF | K9WMS | LA2RR |
| N7NF | 1069 | JA1DHY | K0WK | KC4EZN | M0PCB |
| NN4DF | N0HJZ | N6XI | K8TE | N4IDH | N4UC |
| PA5KT | SM3OMO | VK2DAG | N6JOJ | W3PT | N6IBP |
| WB9W | UA9UX | WU8T | SP5U FK | YB2BOB | OH2ECG |
| YB2IQ | W4GV | | SP6FX Y | | V31MD |
| | W4HPW | 1063 | SP6QM | 1051 | VE3GFN |
| 1074 | YU1NR | JF7PHE | V31CQ | AK0MR | WA4WR |
| JA5ALE | | KB3MXK | W6QO | EI4GNB | |
| JE0EHE | 1068 | NR3Z | W6RA | G3VXJ | 1046 |
| KC2ATK | BW2/JP1RIW | VE6PL | WM4D | K9JJR | AB4EJ |
| M0IFT | CP4BT | W5CJF | | K9NS | DL2MWB |
| N7PIB | JA3EGE | WN9Q | 1057 | KB0FHP | JN7DIY |
| W1WN | KB8NTY | | JA5IBP | | KU4GC |
| W8EOG | LA7NO | | LA2XNA | | N8JK |
| | | | OL1HQ | | |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| R6AZ | AE4VJ | IV3DXW | LA6VQ | W6WRT | DL7VSN |
| W4ALF | DK4SR | JA8DIV | N6MG | WX4W | DL9ZAL |
| W6INO | K0ARM | JE1TNL | NU0Q | | F5ELL |
| 1045 | K4LCP | K4TMG | SV1DVX | 1025 | F5TJC |
| IZ1UKF | M0NGN | KA9JCP | | AC1O | JN1RKE |
| JA1JQM | NC8I | KR0I | 1029 | AE5FM | K4VX |
| N1GNB | UT4ZX | NC4RY | CQ0ODX | DS5BRE | K6SS |
| WB8TGY | W2RDS | RI1FJ | DL6SAK | G0KRL | KC0V |
| | 1039 | W1CDC | DL7UCX | NT5EE | NA9L |
| | 3W3B | W3TA | IK7XNA | RL8C | OH6JKW |
| 1044 | 9A3QO | W6VIO | IZ6IOC | RV6ARZ | W2YWC |
| DL1TPY | CT7ABD | | JR3RIU | YB9WZJ | YB2BNN |
| HA8UT | JK1NPH | 1034 | KH2X | YV6BTF | |
| K4ZW | K9IO | DL2DCX | NH6L | | 1020 |
| M0AQM | KX5M | K9AAA | OH8NW | | E70X |
| UA3EAY | NF8J | LZ1PM | VE3ZN | 1024 | JE0HUR |
| W2BCC | NQ4A | WA1HXX | W2GHD | CT2GZE | JH3FCF |
| WD5IYT | PT2BW | | W2LPL | DK6WL | K2KNB |
| | W6KAP | 1033 | W6HB | HL1MKT | K2WR |
| 1043 | | AA2T | | IZ8DDP | K4BNF |
| DF1TJ | | AE0MO | 1028 | JA2LMY | KE7BMG |
| G4WGE | 1038 | AE4WG | EI2FG | JI5RPT | LA4EI |
| HL1XP | KT1V | EI2II | EI8JX | JP1QDH | S53X |
| JA1HQG | R3QF | JA1VDJ | IK1RKN | K6PBF | VE2ACP |
| JH4Eiy | VA1CHP | JR4DHK | K5WE | N4GOA | W2PD |
| K1GW | VU2SWS | K4FW | K6GCN | N9GKE | WA8JBG |
| K1XH | W0ZA | KC4ES | N2CR | W3OP | |
| KC3AK | W1HQ | KU4A | W4SW | | 1019 |
| N6ZM | W7GSV | M0RTP | WA6APQ | 1023 | DK6BT |
| NT4K | YE1AR | W9COS | WB9TFH | 4X1EL | G3AKU |
| SK6QA | | | YB3OSE | AC2RL | G3WKL |
| VK4CC | 1037 | 1032 | ZS6X | F6FFA | I8DKR |
| | IK5SRF | 9A1A | | IN3TWX | JE6PJP |
| 1042 | JA1MOH | G4DYA | 1027 | IU4AZC | JH8UGL |
| AA6IO | JA7JAA | IK3XJP | 4K9W | JA1MZM | JJ0PJD |
| AB4ZT | N4CO | KB3IFH | DJ9HQ | JA1QDB | JL2ULM |
| AG2J | NE6V | LA8ZAA | KG4VPC | JE4KCN | KB1AWM |
| JA9LX | W4GKR | W0NBC | KK7L | KI6PG | NX3A |
| K1ETA | YU1LD | | LZ1QN | N7YQ | P40P |
| S52R | | 1031 | W5AAJ | RA3T | |
| W7BC | 1036 | 4O7CC | W5XG | WI9WI | 1018 |
| YL/RG5A | DL2UR | HB9MXY | WD4OHD | WU1U | DK1NAL |
| | JP1LVI | JH1OCC | | | K4HR |
| 1041 | K2QE | JO3MXH | 1026 | 1022 | K8UHL |
| A92BE | KU9Z | K1JE | AA3I | EW3MM | KO4IBL |
| IU8GNY | NN5O | NX7K | DS2GOO | G4CWD | N3BK |
| JG2NLN | UN5GM | OZ1NF | JA5OP | I0LTX | N3GTG |
| N7WR | UY0MM | WQ9N | KA5OWI | K4BYN | NL8F |
| NI0K | VU3NXI | | N3DV | KF1P | OZ4RT |
| | WB3LGC | 1030 | UA4Q | N9AVC | R3LC |
| 1040 | | JA6COW | UX4UM | W6OZI | VR2CO |
| 8P5A | 1035 | K6VVK | VE2WY | | W4LLP |
| AA0BH | IU8LMC | K7WA | W2WGK | 1021 | |
| | | | | DL1SWN | |

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|--|--|--|--|--|--|
| 1017 IZ0COI JA1GLE JA3ALY K6VWE KT6AA N2GM RA3AOS | 1012 HB9WDF JA1UXV JH1KIM JL1OZI K7LAY RA3AA RD3BZ UU1JA VU2OT | JG4GZK K9CHP KL7XO RA9SAS SM0DGW W3GP W3LJ W6LJS W9VOB WB5KSD WX2K XE1V | KN4WOJ KR9A N3EEN N6MM NJ6K PA3AIN UA9AM UT9LC W6DOE | HB9FKK I0ZYA IN3FCK JJ1HLL JS1MRA KB9REV KJ7KOJ KX7L N1AH N2UO N4WOT N4XC N8KOJ SV3AGT VE8EV W6JH W9CY WX4B YB1MIG | 1000 AA4IB AB4BJ AD5ZA AI1W AJ6X DB9CR DL1DV E25KAE EA3AGY EA3HPX EA4EQD HB9ARK HB9CAT HI3I HS8KAY IK6TOT IK8NIM JA0RWF JA1VZO JA1WIO JA2KAK JA9KA JE2DOD JF3KOA JG1EBU JG1TFC JH4MJO JK8VMB JR3PKO K0AL K2RAS K7LOL K9DUR KA5JSM KA6RWL KB3HHA KB7PKC KD0BQS KG4OJT KW1X KZ5D LA9DL N2YU N4GRC N4LS N4PAJ N8BK N8YO N9APK N9NFT NA9J NG4DX |
| 1016 DS4AKP EW4DX F4GDI HB9DPO K2KQ K9RZ N5ZY W2FDM W2PSU | 1011 JA1PLL JH4NYG JR3DXJ K3OK N5XUS OH1HAQ W0OVM WW6G | 1007 7Z1CQ EI4KX K1UM K2TTM K4RWP K5XM KA2F KR7RK N3JON N8YQX RN4AM VE3MDX W9EBO WA0GOZ WF5W XE1SAX | 1004 CX9AU GM0SCA JQ2NBX K0AIZ K4LD K7UW K8JRM K9IJ K9MRD KC3RKW KE4GFE LU7HF N2JT OH2CLX S53BB VU2AE W5EW W9KM WA3KVN WE3J | 1001 DB2WD DH2ID EA1BP HB9GZE HS8HEX IX1CLD JA1ASO JA1CCG JA5RVN JN1SUT K1IG K3ORC K6DLB KB7AZ KB8YTD KF0QS KG4URP KO3F LA8IB N3AS N3DD N9ATD PY2RF VA2KI VE3FK W2/F2YS W7GTF W9MB WM6Q WV8EDU YL2CP | |
| 1015 JA2QCX K4NI KB1OIQ KI4FSI N4NT N6TW VE3VEE W7CB | 1010 CT1CQK EA9AM HZ1GW JA6CMQ JA6SUY K1QQ K4EZY K7UPJ KA9JAC N2BEG WI0E WQ5N | 1006 DJ9KV G3YBY JK1OTP K5AR KB5WWW KF5BA N5KDV NH6Y OH4KRN PV8RR RW4NJ W7RJR | 1003 AF4Z DF5BX E29TGW EU1TT IK1RLI JL1EEI KG5NP LA4HC N1BRL NC3O NK2H OK2MDC RA0AM W6ELI WA8COB WB8QZM | | |
| 1014 DK6CQ DL9QJ EA9LZ K1NOX KG5EG NW8F PT2CSM UT3KW WB2MKX | 1009 9M8DEN IZ7QSS JE4MHL JL1KBS K4DXA K5WL N1XL N2IFA R3TKM W7SMW WD9FLI WM5DX | 1005 DJ3CJ DL8XDA FM5FJ GI4SJQ JN3XEZ JP7WJA K5FO | 1002 7L1UVF AE4S | | |
| 1013 AF6O HB9RE IZ0GKB JK1DDQ K5HX KA5IAU N9MSG NA6XX PY2YW R7KW VR2CC | 1008 9A1CZZ EI2IP HB9MZI | | | | |

NT4TN
OH7HM
ON5UJ
PA5X
PP6ZZ
PV8AAS
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RM6LW
RT3I
UA3DUJ
VA3EJN
VK7AP
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