

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 23 Apr 2024, 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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| 3301 EA8AK | 3208 K4PI | I4AVG | 3165 I4EWH | 3148 PA3FQA | 3130 I2AOX |
| 3277 HA0DU | 3206 IK4WMA | 3183 F6BKI | 3164 N3XX | 3145 NN4T UR0MC | 3125 IK8HJC JF2MBF |
| 3255 LZ2DF | 3205 OH2BU | 3182 K5UR | 3163 SM0AJU | 3144 JA3FYC | 3121 EY8MM VE3EJ |
| 3248 SP5EWY | 3204 W4DR | 3181 W3UR | 3162 SM6CVX | 3142 SP3E | 3120 W3YX |
| 3242 JA1BK | 3202 DJ6RX JR2KDN | 3180 W1JR | 3158 DL4MCF UT5UGR | 3141 JA5AUC K2TQC | 3119 HB9BGV OK3GU |
| 3240 CT1EEB | 3199 OH3SR PE5T | 3176 W9ZR | 3157 9A2AA | 3139 SP3EPK | 3118 GM3YTS N8DX |
| 3239 I4EAT* | 3197 KJ9I N4WW UX0UN | 3172 G0JHC W3LPL | 3156 9A7V JA5EXW | 3138 DJ2BW* OZ1BTE | 3117 I0WDX PY2XB SM3EVR |
| 3236 DF3CB | 3191 K8MFO N1DG W1NG | 3171 GM3POI IK1GPG JH4IFF | 3155 K5RK | 3137 K4CIA | 3115 IZ0AEG OG2M |
| 3230 UT7QF | 3188 EA6SX YU1FW | 3169 JA4DND OH1XX | 3154 JH4UYB | 3135 N4CC | 3113 JQ3DUE SV1FJA |
| 3228 4X4DK | 3187 IK4MGP | 3167 K5NA* | 3152 CT1APE JA4LKB | 3134 CT1EKY | 3112 VA3DX |
| 3223 OZ1LO | 3186 G4BWP | 3166 IK4DRY OE6IMD SM3GSK | 3150 WB9Z | 3133 IK4GME S58T | 3132 SV8CS |
| 3221 S50A | | | 3149 G3KMA | | |
| 3214 DJ9KG | | | | | |

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| 3111 OH1MA SM5CEU | SP7VC | 3070 SP9DWT | 3047 G0DQS G4PWA | 3030 G3ZSS | 3014 EA6NB HB9AMO K5DU S51DI UA4HBW UT5JAJ |
| 3110 DL7VEE OH1ND | 3088 AA7A IZ1ANU | 3068 N0XA W8UVZ WD5COV | 3046 JH2FXK OE2VEL UT7UJ | 3029 W4TO | 3013 R7LV SM6CCO |
| 3109 N0TB SM6CMU | 3086 EA5BM JG3QZN | 3067 IK6FWJ K3UA | 3044 K4XP N9IW | 3028 AG9S DL1AMQ G3TXF I4LCK T77C | 3012 K8PT |
| 3108 I5NPH K9QVB* SM3NRY | 3085 DK5PR JA2JPA | 3065 JA2VPO | 3043 DK5WL | 3026 OH5KW | 3010 OE1WEU |
| 3106 N2QT UT3UA | 3084 F6AOJ | 3063 N4JJ* NR1R | 3042 JA1UQP YO9HP | 3025 N4CH | 3009 F6EXV N0AT SM4DHF |
| 3104 OE3GCU | 3083 IK6DLK | 3061 SP6CIK | 3041 SP1S W5OZI | 3024 DL5DSM F6BEE JA2FBY N6AR SM5DJZ* SP8NR | 3008 IZ4BEZ* JA2JW JA2WYN RW2A |
| 3102 PA0WRS S59Z SP2FAX | 3081 9A2EU | 3060 KD5M YO3APJ YO5BRZ | 3040 DJ2YA K1CP K9CT | 3023 VK4MA | 3007 K0KX SP2GJV |
| 3101 DF3GY JE6KYA | 3080 9A1CCY KF2O W0BV | 3059 K4MQG | 3039 WK3N | 3022 AA6YQ DL2OE JA5AQC JA5MHD N4RJ OE5KE | 3006 UT7UW |
| 3099 G4CCZ LY2IJ | 3079 SM5AQD | 3058 GM0GAV SP5CJQ | 3038 W4PK | 3020 JA0DAI JR7VHZ W3CC | 3005 HA5WA K8SIX R4GM |
| 3094 IK5HHA | 3078 N3SL | 3054 W2YC W5ZN | 3036 SM5KNV | 3019 UT9FJ | 3004 DJ8NK EA1DR IV3JVJ |
| 3093 G3XTT JR3IIR W7UT | 3077 DF4PL | 3053 JR6EZE | 3034 N4BAA | 3018 JA3EMU | 3003 9A5CY OE2LCM OH2BCK |
| 3091 NJ6P ON4IQ W4DXX | 3075 IK4CIE K4DY SP9FKQ* | 3051 OE6MDF SV1RK | 3033 N2LT UB7K | 3017 KW9A OH1LEU | 3002 IK2YCW |
| 3090 EA3A JH1GZE | 3073 HB9BIN ON4AOI | 3050 VE1YX | 3032 UY5ZZ | | |
| | 3072 AA1V | 3048 JA1HGY N8RR UX1UA | 3031 N2TK W9RPM | | |

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| JA0UUA JR3GWZ UX0FF | 2987 N4MM | 2969 JA6BZI UA6A | 2951 K1ZZ | 2933 CT4NH DK2LO I8IGS | 2920 EA6VQ IK5ACO IV3ODE K1ST OE5NNN |
| 3001 G3SJX JA7QVI JF3KON N5KD SP7GAQ US4EX | 2986 N4KG* W1YY | 2968 F5NBU | 2949 DJ5FI K5EK N7RT OK1MP | 2932 HB9BZA JA1XEC RA3DX | 2919 DL1DUL K1AR K9NU |
| 3000 5B4AGN EI7BA F5II HA8IE I5KKW JH4ADV K2FF OK6DJ SP5DIR US5WE | 2985 VE2TZT | 2966 N3NT | 2948 JA0FSB K5EJ SP3RBG* | 2931 JA3PIS K5BG OH3BU UA3AB W7AO | 2918 KA9CFD |
| 2998 K4UTE | 2984 JA7MSQ K4QL | 2965 K3FN K4SV N4II NI0G | 2947 AA1QD FK8CP W3GH* | 2930 K4MWB | 2917 9A2NO IZ1BII |
| 2996 W4VQ | 2983 VE3XN | 2964 IK4DRR SP3DV | 2946 N5ZM | 2929 K9RX W3KX | 2916 EA3GP |
| 2995 UA4CC W3DF | 2982 K5KC K5XI | 2962 YV1DIG | 2945 EA5RM K2UO RZ3AM | 2928 DJ4PI JA2FJP RA7A W0VTT | 2915 JA0CRI W5XX |
| 2994 LA5IIA | 2980 JG1ULJ JJ2LPV N4XM | 2961 F6DAY JH1HGC MD0CCE | 2944 DJ0MDR | 2914 OM3DX | 2913 OE8RT ON4CD |
| 2992 DJ4AX DL7MAE | 2979 JJ3PRT N6JV | 2960 S53R | 2943 JA2DPC SP3CFM | 2912 K4HB | 2911 CT1ILT |
| 2991 PY2BW | 2977 K5ESW W4UM | 2959 K4IQJ UA3AKO W9IXX | 2941 N4JF | 2910 JH1TWT JL1SAM K4XO | 2909 F2JD JA0GJJ |
| 2990 AA4V G4OBK | 2974 OZ3PZ | 2958 JA1SYY | 2940 W1GL | 2908 HA1RW K8FL RW5C | |
| 2989 K4SO | 2973 K0IEA WX4G | 2956 KX4R | 2938 HB9RG K0EU OZ8BZ W6XA | | |
| 2988 CT1IUA | 2972 K1HTV | 2955 JH2UVL NO8D | 2935 R3OK | | |
| | 2971 N2WK | 2954 JH1IFS N8PR SP8AJK | 2934 JA0EOK JA2IVK | | |
| | 2970 JA2JNA JH0INP K9EL KY7M | 2953 W3LL | | | |

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|---|--|---|--|--|---|
| 2907 DL1EJA SM6CNN | 2892 N4NX W2IRT | UX1AA | 2864 A45XR | 2851 AB4IQ W3NO | W1DIG |
| 2906 OZ4O UA3TCJ WB6RSE | 2891 YO7LCB | 2876 SM6CTQ | 2863 AD5A DJ5AV JA1ANR WB4OSS | 2850 SP3CGK | 2837 DL6ATM VE1DX W9OP |
| 2905 PY5HOT W18A | 2890 OZ1AXG | 2875 AC4G | 2862 K3WW LA7JO R3AW | 2849 IK7NXM RY7G W9RN | 2835 K9YY UA1OIZ |
| 2904 K2UU PY5EW | 2889 JR4OZR K3WC | 2874 OH3JR RU3FM SM5CZQ | 2861 K6ND | 2848 N5UR | 2834 R7FK* R7NW SM3NXS |
| 2903 K2PLF* K9ZO W8AV | 2888 AB3CV N8JV VE3LYC | 2873 JE2LUN K3UL N4QS | 2860 IT9JNR | 2847 N2TU | 2833 LA4GHA |
| 2902 K3KO* | 2887 I3BUI IK6GPZ JA6LCJ JF1PUW | 2872 JA8EAT K4HGX | 2859 AA1ON HL3IUA JA1EOD N4HU | 2846 IK1YED KF0QR R7DX | 2832 JA1ADT K5ZK |
| 2901 IW1ARB JF8QNF | 2886 OH5VT | 2871 JA7JWF N2NL | 2858 SM6DHU | 2845 OH2BLD R9FM WA4FFW | 2831 CT1FMX JA9LJS |
| 2900 9A2F EU7A IZ1LBG W6UB | 2884 NK1K | 2870 W1RM ZS4TX | 2857 N4DB OH1TV R5AJ UA6MF | 2844 I1EIS JO7WXN K8ZTT UA4LY | 2830 K9EU UA3AP VE3EXY W5TCX |
| 2899 IZ8FFA K4UEE* W1CU | 2882 RZ1OA UX4UA* | 2869 EA3JL EA5BY JA2XYO JN7FAH SP6HEQ | 2856 K9NW N4PQX RA4CC | 2843 W8GC | 2829 4Z5CX DJ9HX JA1SJV W8OI |
| 2897 OZ1CTK | 2881 N5TY | 2868 K1UO N8BM | 2855 LZ2JE OE1ZL | 2842 JA2BDR JA4FKX JA9APS PY5EG | 2828 OK2ZU |
| 2896 9A3SM KG7H | 2879 G3LZQ JA5IU LA5HE OK1CF W4DKS | 2867 DM5EE K4CN S54E WA7NB | 2854 JI4POR KG4W RV3LO | 2840 EA1DFP | 2827 KV7K N5OK |
| 2894 RJ3AA | 2878 IV3YYK N8TR RW0LT | 2866 KN4F RY9C | 2852 IK0MHR K4ZYU W4FC | 2839 K2VV K3WA | 2826 AA4HP N5DG VE3FF |
| 2893 W0MHK | 2877 SM3VAC UR5WA | 2865 UA3DPM | | 2838 KC6AWX* SM4EMO | 2825 DL4CF |

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|--|---|--|---|---|--|
| JH1ECG JL1UXH K5XX | 2812 9A4T 9A8A SP1MGM | 2801 DK2NG JE1SYN | 2786 K6FG | 2773 HB9DHK | ZS6EZ |
| 2824 AB6QM EA1N IK1WGX JA4MRL K0DEQ RZ3DX W2SM | 2811 JR3VXR W7DO | 2800 JF2UPM NE1B | 2785 JA9RRH WB9CIF | 2771 JR2LJO K2CL PA3C UA3AGW UR5MID | 2758 JE8BKW PY2SP |
| 2823 JA2ZL NY0V | 2810 DK3DG N4DW SV1CNS | 2798 SP7HOV SV1JG W6OAT WA5VGI | 2784 K5AQ W7KNT | 2770 JF2XGF N0AV | 2757 UA3LAR |
| 2822 LA7AFA | 2809 DL6KR WA2VYA | 2797 K7ZV | 2782 IK0PEA SM6BZV | 2769 EA6ET F4BKV | 2756 JH3CUL RV3FT W1FJ |
| 2821 JF1WPB JO1WKO N4AH UA0ZC W1ECT | 2808 I4MKN IK2QPR | 2796 JS3CTQ | 2781 9A2JK AJ6T RN3QN | 2768 G0OIL JA4PXC | 2755 DL5AN SP6CES |
| 2819 HK3W | 2807 DK6WA W1TC | 2794 IK4PLW W2LO | 2780 K7NN N7US | 2766 HA7TM IK0FUX WA2WSX | 2754 KC9ARR |
| 2818 I6FLD JE2URF | 2806 G3SNN JS2LHI N9AU | 2793 RA3DA | 2779 HB9HFN JH1NYM NI6T | 2765 W9XY | 2753 W9AJ |
| 2817 AI9L JR3OEH LA7HJA S52F | 2805 5B4MF JF4VZT JI2KXK K1OA K6TA* WP4U | 2792 AA5AM SM0CCM UT2UB | 2778 VE3DZ W6SR | 2764 AI0O JA4DLP JA9FPI K2RW | 2752 AG4W SM4DDE |
| 2816 IK5DNF | 2804 DL5WW VA5DX | 2791 VE7IG* | 2777 DK5AD JR1XIS W0YG | 2763 F5PAC | 2751 UA4HAU UN5J |
| 2815 9H1SP E72A RL9F SV1DPI | 2803 EA3WD HB9DDO | 2790 SV1AVD | 2776 K8GG | 2762 9A1HBC DJ9VA | 2750 JA6VQA K6XT N8DJX |
| 2814 K5KLA KC7V | 2802 EA1YO IK0XBX JH4JNG | 2789 IK4HLU | 2775 JA7KY K1DG LB8DC | 2761 JL1RUC | 2748 JN1BMX W6RLL |
| | | 2788 JA8DNV N5ORT | 2774 JH3VNC W5XC | 2760 HB9ALO JA1DUH SM2OAN | 2747 G4IRN K0JGH N6ET |
| | | 2787 IZ5DKJ JA3RAR KN5O VE3BW W9MU | | 2759 IW0HEX | 2746 KP2A UY5AA |
| | | | | | 2745 W2LK |

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| 2744 K6KLY ON4GG RA3XDX | 2729 DK2JX G4PTJ K5UO W0UO | 2718 DF2UU DJ9ON HA9PP KZ2I OE6DK | OZ1ADL | 2697 KJ3L | 2682 KA9FOX N9FN |
| 2742 4Z5MU DL5ME KB0EO RU3QR WE9R | 2728 JA9TWN JJ3HGJ | 2717 I4KDJ NQ1K | 2707 DM2DXA G0BLB G5LP K3PA R5DT | 2695 W5FKX | 2680 JF7XKY |
| 2741 DF6PB JA1KQX | 2727 IU7QBB JA3AZD | 2716 UA9FAR | 2706 K5RT W1MK | 2694 N7RO PY4OY | 2679 EW2A K7PI |
| 2740 I1FQH JE1FQV VA2WA | 2726 RX4HZ | 2715 LA3MHA NN4X | 2705 JA5XAE | 2693 IK4ADE JA2LCP SP6M W0AW | 2678 DF2IS K6AM |
| 2739 SP3IBS | 2725 HB0CC JF0EHX R3VA WB4TDH | 2714 JI8DGO JR7WFC K0KT RA3QK W0DJC | 2704 K0JUH K5MC UT7UV | 2692 EA7TV | 2677 W4BP |
| 2738 EA7R JR7BDQ | 2724 JA3FGJ PA3EWP PY2YP | 2713 HB9DDZ JA5WIZ K1NU UA0CW | 2703 DL1YD IK0FVC K8EUR KA1R W0FLS | 2691 WE7K | 2676 HA1RB UN6T |
| 2737 JA3GN | 2723 I7CSB JA2KVD MM0EAX R7AA W1YM | 2712 F6HDH JR6FC | 2702 W8HW | 2690 OE1AZS SP7ITB W1SKU | 2675 9A2NA AA5C JH7XRG |
| 2735 DK0PM WT8C | 2722 NS4C | 2711 DL7BA SV1BTK | 2701 OE3EVA R6AF | 2689 EA2IA JE1LFX K5GKC K8AC W2KKZ W6VX | 2674 AH7C G4IYY |
| 2734 RD3K | 2721 AD1C DL9GFB | 2710 JA4OK JA6WJL KK2I | 2700 DJ9ZB G4GIR JA9PPC N9LB RA9CMO WA2HZO | 2688 JA0DIN | 2673 IW0SAF K1GG W5ADD W9NGA YS1RR |
| 2733 N5XZ | 2720 AB9V F6FXU ON4IZ SP2BMX US0KW UX3IW | 2709 HB9AUS JA8RJE R9TO | 2699 IZ8XQC JA1SVP K8WK RA0FF UT4MF YU1CC | 2687 W3AP | 2672 G3VKW |
| 2732 JA6CRP K1BD UT8IO W7OM | 2719 F5CQ W6YI | 2708 CT1BH JE2LPC K3RA | 2698 SP9JZU | 2686 N7NR | 2671 I0DJV* JE7JDL |
| 2730 JA2VQF SM5JE* UR5EDX | | | | 2685 JR1BAS | 2670 DL3ZA RW3RN SP9ODY YL2MU |
| | | | | 2684 DF2RG W5CIA | 2669 WB3AVN |

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| 2668 JA7MOL W9XX | 2656 K0JY LA5LJA | KE9ET VE6WQ | W6XK | 2622 K0KVR RA3ZH RZ4FO W4FQT | 2612 DL1DUO K4TT N5GH RL3FA |
| 2666 CT1BOL N7KA | 2655 HB9LCW UA3TT | 2643 WX2S | 2632 RA1QD | | |
| 2665 AJ9C N2BJ WA8WV | 2654 K9US SP6DNZ W8DCH | 2642 AA9A OE5FIN SP9RCL | 2631 9A1CAL JA7IC K0CA K9XD NV9L RX3AGD | 2621 EC3A JH8RZJ KD6WW W4WM | 2611 K2LS OH9MDV SP3CJS W2JU |
| 2664 K4SE W8TN | 2653 JA3APL S52DD | 2641 K8TL OE1WHC | 2630 K8GI NT0V* | 2620 AA5AU AJ3K | 2610 K6YUI LA3WAA N1SV NF9V NX7U |
| 2663 JH3VWN OE4PWW | 2652 AF9H LA8PT SK3PY UT5EL W5LT | 2640 DL6ZXG IV3RAV | 2629 HB9TKS JA2AHH OH6RX | 2619 JA2ATE JH6QFJ N6ED ND0N | 2609 JM1FHL K1KD K4WA WD8JJA |
| 2662 JE2OVG K7BG UW5ZM | 2650 DL6MRS JH1HHC W5AJ W8HC | 2639 K9IR | 2628 IT9ELD KF8UN PY2XU | 2618 W2QO W4TV | 2608 E73Y I5ZGQ JA2EPW VK3QI |
| 2661 W9ILY | | 2637 UA0FZ | 2627 G3WPH K2SHZ | 2617 N5LZ S52OT | |
| 2660 DJ4XA KB8VAO RM0F RW4NN SP3QDM | 2649 AD5Q IK8YTA | 2636 EA5GPQ F5HNQ K1LPS K3JGJ K8VFV N8KOL SM6CUK WJ4T* | 2626 IZ8VYU JN1GTG | 2616 EA3BS G3ZQH JG0CQK K4WS K9MM | 2607 JK1KSB KE8UN KU0A |
| 2659 IT9DSZ K8BCK KZ4V LA9AJA | 2647 JA1XCZ JE3GRQ KS1J | 2635 SM0NJO | 2625 G3SVD K2EP | 2615 DL5CW KG9N SP5IWA | 2605 9A4W JA4ITW N4TL |
| 2658 ON4ON UW2ZM W4QN | 2646 JF1UVJ | | 2624 DF9ZW G4OWT HB9SLO JH1QAX W2PK W7CT | 2614 DL1DA JA1WSX K8NVR WA1JMP | 2604 JA1GHH K7BV OH2FT YB5QZ |
| 2657 IK4BHO N3MN SV2AEL | 2645 JK1EXO JR2UBS SM5FUG | 2634 I5HOR S57AC | 2623 GM3PPE N1IBM N9RS | | 2603 K4XI |
| | 2644 4Z4DX DF3UB | 2633 K6GXO NS6C NU8Z | | 2613 EI6FR KK9DX N1NK | 2602 DL2KQ JA7JI |

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| W8TWA | 2590 EA8JF RW7M | 2579 I8JIT K6SIK KG8P KM1D | 2569 NN4SS RU6L | 2558 DL9MRF SM6BGG WB9EEE | K4JJW OH2ZZ SP1JRF |
| 2601 HA0UZ JA0IXW JH7RXU K7WP PA1CW WB8BPU | 2589 EA8AKN JQ6RUP JR1GJP K1LD RW0CF | 2578 SP9UPH W6NWS | 2568 RD3AW | 2557 DK3WW JA8EJO S55DX | 2547 IK0HFO K7XB YV5JBI |
| 2600 JH4ALY W4OX W7WM WX0V | 2588 N2TN | 2577 IK5BAF IZ8DFO N7XR VE3MWX W1KSZ WB8ZRL | 2566 DL3OH JA2VMU NC9T OE3SGU YO2RR | 2556 DL1KUR PA5TT W0VX | 2546 IK5PWQ JA4LXY K1DT SP6TRX W7MO |
| 2598 G4WFQ JA7MFL JM1XCW K5WK N1RR | 2587 DK8MCT JA7MA WC5N ZS1LS | 2576 JF6WTY SP9QMP* SV5DKL W0EWM* | 2565 F3SG N4QQ | 2555 CT3HF IK5RUN JA1WPX NN4R OZ1HX | 2545 DF9KF EA3BT SP3SLA UY5BC W9BF |
| 2597 JA2TBS JI1DHY NM6V | 2586 CU2AP JA1IZZ | | 2564 DL5EBE I1JQJ JA7BWT JI1LET VE3CFK W5BPT | 2554 AA5AT IT9DAA JA3RQ K0BJ W3BW XE1KK | 2544 HB9CEX IZ5EKV |
| 2596 K8IU WA3C | 2585 OM4EX RK4FD | 2575 CT1GFK N3KK N7IR RU6B | | | 2543 K0BBC K6FW K7ZA |
| 2595 JA3APU W2YJ W3GQ | 2584 JA3ENN | 2573 JA1GRM JA2FGL JA9NLE SP8FNA | 2563 JA1IOA UA6EX | 2553 RW4C W1YW | 2542 JA1WSK JA9CHJ JE3ENP W7LR WP4G |
| 2594 IT9PKO | 2583 G0BNR K1USA NX0I WB5JID | 2572 IZ3ENH K5VIP KD0Q SK0TM | 2562 DL5XJ PY2NQ | 2552 JA7LGE OE8HIK | |
| 2593 K1RO K4XD | 2582 G3NDC IV3IZU IZ0RVI JG4AKL W7BEM | | 2561 AA4R G3KWK JA1NWD NA5C W1YIF W9OL | 2551 KM4H | 2541 JF1KKV W3DRY |
| 2592 JK1OPL K5LJ | 2581 JE2EHP K8YTO W9YSX WA0MHJ | 2571 DL6CNG N8LJ | | 2550 HL2WA W3OA WB0TEV | 2540 EI9FBB KE4YD W6QUV |
| 2591 DK9KX DL4SZB | 2580 DK2GZ JA1VSL | 2570 CT3MD JA1CLW OK2QA RA1QY W6PJ | 2560 K3JT KQ8M | 2549 DL5CF SK7AX | 2538 JA9FAI SV1LK |
| | | | 2559 JA9AGN | 2548 9K2OD IW2FND | |

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| 2537 UW8SM | JA1LSP | W6ENZ WO7R YV5NWG | 2507 RU6M SM6NOC W6BJH | JA1TMG K8OM W6JRY W8KEN WA9PIE | 2492 JA1FGB JA6TMU |
| 2536 K0RS K6EID UN7LZ WO2T | 2525 AA4SC I8SAT W9FR | 2515 K2NV VA3LX W0LS WB8ZRV WO2N | 2506 DL1SMA K8FH N6RW RA1AOB W5ODD WD5K | 2500 4Z1UF 5B4AHJ EA5BRE HL3GOB I2MQP* IZ7FLP IZ8FWN IZ8IEV JE2DZC JJ1DWT K2UR K9MBQ N4QV N9BX RA3SS SQ1X VE3RA W3UA WA4LOX WD4LBR | 2491 WA3AFS |
| 2535 LA2PA WA6YEE | 2524 HB9CZR JA1RTX JH1AGU JH1EEB K0TT | 2514 AE5E G3TTJ R9OK R9SA SV3FUP | 2505 DF2TT JH1AJT* JH7IAJ JR4DSM K2TE K7EG LA2QM W1VT | | 2489 G3OAG W3RJW |
| 2534 DL2CHN N8PW R8TX | 2523 G8DX UN7TW | | | | 2488 AA6AA |
| 2533 JA4DEN JN1RQV N4RWG | 2522 K1HT | 2513 9A2X KB1EFS WT8V | | | 2486 W1AIM W2GG |
| 2532 W3JX | 2521 KM4HI | | | | 2485 JR1DUP |
| 2531 UA6YW | 2520 IT9XTP JA5BEN RA4CA | 2512 IK8EPC JA0DET RV9CX UT7UU | 2504 E72U EU1KY IK7XLU LU2NI UA9FGR | | 2484 EI2GLB K6RO |
| 2530 IZ5JMZ | 2519 CU2DX N4GN PY2KP R9AB RG5A RZ6BS | 2511 EV1R KR4F W6TC | 2503 CT1EAV DJ3AA EA5CRC K3NK RN8W SP6EQZ SP8HKT W1ZT | 2499 W1LW | 2483 JA1ELY K3XA K8BL LU3CQ N1LN |
| 2529 DF2GH HK4SAN K8QM RA3WDK UA1OMS | 2518 JA9CWJ JG3LGD K2PK VK3HJ | 2510 DK5AI LY1G N4PY | | 2498 K4JAF | 2482 XE2CQ |
| 2528 AD6W JM1CYJ LA5YJ N8OC | 2517 RN3OG W1OX W7AL | 2509 I2EOW JH0INE JR1BLX KI0KB NQ7R US3LR W4VIC | 2502 G4IUF JH1OAI KT8X RV1CC UN7JX W5ZG | 2497 JA7LMZ RZ3FW S51U | 2481 IZ5RVG JA2AH JR6LLN |
| 2527 IZ4GWE JA6BJV K9JF WS9V | 2516 CT1CJJ JG3IWL K4EM K5WAF | 2508 K7GEX OE8SPW W8RLS | 2501 EA3CJ G0EHO IV3GOW IZ3GOG | 2496 JM2RUV N6VR | 2480 JR9OPJ |
| 2526 IK2OHG | | | | 2494 K1ZN K2FU | 2479 K4MK W4RFZ W6RW |
| | | | | 2493 K8ROX NW7E W1BR WS6X | 2477 JJ1SKG SV1VS |

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| 2476 9A4WY DS5USH | 2463 JA9NFO K6KO | 2452 KD0PO RC9F | 2438 DL9TJ K4MS W4CK | W9DC | 2414 I4ENO J11NJC KG6I |
| 2475 OZ2PBS | 2462 JF2WGN | 2451 UA0BA | 2437 DS1JFY W9OA WB2REM | 2425 DJ9RR JA2FBC JE6TSP K5VWW ZS6WB | 2413 DK1WB KA8ZPE |
| 2474 JA2XCR JA4EPE | 2461 K9IL* | 2450 IK0LNN JF1IRW K9NR W5VY | 2436 SP6A | 2424 WQ3X | 2412 9K2HN A65BR |
| 2473 DF3IS EA1AF K2KA | 2460 JA5FBZ JA8BNP JH1QDB W8LGJ | 2449 F5LVL W7YAQ | 2435 EI9JF JH4GJR N3CZ | 2423 DL2VPO W1EBI | 2410 I0YQV IK4MSV JA5SUD KJ0M |
| 2472 SP7TF | 2459 I0JBL K2AZ | 2448 JA1GHR K3VAT | 2434 JE8TGI SM5CZK WA9CVK | 2422 WL7E | 2409 HA5AO |
| 2471 JA1HRQ | 2458 EA1CP JA1ADN JF3LOP JH1BZJ N0KV | 2447 WA6F | 2433 DL6JZ IK4AUY LB2TB | 2421 AA8OY | 2408 JA1JAT KB1JZU |
| 2470 IK0AGU K9SM | 2457 JA3DY* N5KM | 2445 JA1FQI W2XI | 2432 KA2D KI5BLU ON4CAS | 2420 DJ5JH GM3YOR JF1NZW JH4HMG VE6LB | 2407 CT1DKS OH6JD ZL1BYZ |
| 2469 G4BUE | 2456 JG1WSC N5JB N6RV W8DX | 2444 JK1GOK VK3GA ZL3JT | 2431 BA4RF | 2419 IK2EGL JA1FNO | 2406 HB9CQK K1LT N6HC W2AY |
| 2468 N6DX OZ8SW | 2455 JA7AUM N5MOA WD9DZV | 2443 G4DJX | 2430 AF4HX KT1J | 2418 N9ISN SV1IW UA0CA | 2405 CT1FCX IV3KFB K6PJ OE2BZL |
| 2467 UA0SR W0GJ | 2454 K7SP LA9VDA N2JJ SM5GMZ W2OO | 2442 ON6AA | 2429 JR2PMT | 2417 JA6BEE | 2404 IK2VUC JA4FHE PY2DS SV9AHZ WA0I |
| 2466 CT3FT KD3CQ SV9COL | 2453 JA8KSF SV1GYG | 2441 K5FUV W5IF W8MJ | 2427 IV3VBM JH1SJJ JH3GCN LX2A | 2416 CT1FPQ IV3HYD N3RC SV1ACK WA2BCK | |
| 2465 OH1XT | | 2440 EA5AT S52RZ SM5CLE W5PF | 2426 EA3GHZ N4GG S57AT | 2415 JE1PNX WQ5W | 2403 JA1QOA JG3SKK |
| 2464 IZ2AMW JA1IXY JA1VLK PY2VA RA3S W6SZN | | 2439 F3AT IK5CBE | | | |

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|---|--|--|---|--|---|
| R0FA | K9RS KS3F | OH8LXT ON4ATW | BA4DW I5OYY | OH1ZK | JE1DXC W0TT |
| 2402 N9JV | 2389 SM4AZQ SV1QN SV2DGH | 2378 F5IL JA8JTH | 2365 EA3NP PY2MC | 2354 K0XB N6TA | 2342 DL8ZAW IK8JVG ON5UE |
| 2401 HA7UW JA2NDQ N2NS | 2387 HP2AT | 2377 HL4CJG IZ4MJP ZS2DL | 2364 AA8LL K9FN | 2353 JR7FRW N6QQ | 2341 SM2GCQ |
| 2400 IZ2FOS JA1ALT LA0FA LA7GIA NA5DX | 2386 JA1BPA JE8CLT JF1RYU K4YMQ KJ6P OK1DWC | 2376 HB9AAQ IK0HBN NE3F | 2363 K4ZO N8BJQ RA5BM VE3VHB W1EQ W7ZJ | 2352 N1EN | 2340 DK7YY K8YC XE2X |
| 2399 N5UL | 2385 DL8LE W2NO | 2375 JA0A00 | 2362 IZ8DBJ JA7QFU W2OIB WA1S | 2350 DL3OI IK2SGB N7DC OE5RLM VU2NKS | 2339 JI4WAO SM3DMP |
| 2398 AA3B DJ4GJ DL2FAG K2SX | 2384 DL4CW K8YSE KQ3F W8UV W9XT | 2374 KA7T RN3RQ | 2360 HB9IQB N6MZ W8MET | 2349 GM0AXY | 2338 FG5FR JH1CHU K8AJS OK1FED SP3PLD W7FN WW3S |
| 2397 IZ5BAM JA1DOF | 2383 IT9CVO LA9VFA LU8EKC RK3QY | 2373 K7ZD W2LE | 2359 K9YC W4DC | 2348 DJ5JK DL8SCG K7UA N9CK | 2337 JA2BQX VE3CRG |
| 2396 HB9ICC OE6VIE PA3CSR | 2382 EA1EAU IK2OVC PA7RA PC3T W2GW | 2372 K1NTR OH1NX | 2358 W0AWL WF4U | 2347 IW0HQE IZ3ETU PY2IQ | 2336 EW4M JA2HYD JE1AEX K0VXU KQ4AV W5GAI |
| 2395 N7BT | 2381 IK5MDF JL2JVX K8RRT KJ9C | 2371 HB9BAT K5PS K8UT | 2357 KF7PG UN9L | 2346 G3NKC JA9AA K0MN* K1ESE KS0DX | 2335 DF7EE JR8AMF |
| 2393 JR4LNG | 2380 EA1RT JA4BXL JA9GPG | 2370 DL2UH IK6QOP LA8HGA | 2356 K1KO K9ZM N1GC US0YA W6TMD | 2345 K7LJ SM4CTI WA2NPD | 2334 HB9BYQ W0RX W2YE |
| 2392 N2WB PA7TWO W4HG | | 2368 JP1IOF | 2355 9K2NO JA8FHM N6UK | 2344 EA1AUS JA7PL RZ3DJ | 2333 DL1TRK G3VPW |
| 2391 K5KV N6PF | | 2367 F5PBM HS1NGR PE1L RA3DNC | | 2343 DF5AU | |
| 2390 HB9CXZ JA1TAA | | 2366 4Z5AV | | | |

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|---|---|---|---|--|---|
| HA0HW JH1LPF W0HBH | 2321 JA4ZA WB7B | 2309 HB9BXE N5KO | 2299 I5CRL JA6CBG | 2287 K0VSH PA0ZH | 2271 K9RR W0SZ W8LRO WA3F |
| 2332 HA5VZ K6EME K6UM OZ1LCG W7MEM | 2320 CT1APN HB9AZZ HB9DHG I8QJU W9BEA | 2308 JA7ZP K4CMS N4TJ ZL2IFB | 2298 9K2GS LB6KC NA5Q W6RS W9OO | 2284 JA1PTJ OE2KHM | 2270 EA3XP IZ4DPV IZ8FDH KG2KJ UA4AZ W5WT |
| 2330 9A1AD IK2RPE N8SNM | 2319 JA7EPO N4LR UA3ECJ W5FI | 2307 DL6UAA JA3EOP K8DV SP3FAR | 2297 AC0A W3YY | 2283 AA8R JA4FM | |
| 2328 K1LI | 2318 JE2RDO JH3AIU S55SL | 2305 K8CW W7AH | 2295 EW1BA K7HP | 2282 AB0X IZ8GGF K5KPE | 2269 IW1QN JH0GHZ W9JA |
| 2327 AB5A N2LM N7TY S52TJ SM5ARL W0GG | 2317 K2XF WF2S | 2304 OH2IS OK5TK WB8K | 2294 N6HY RU3ZX | 2279 W5SL | 2268 4L1MA HL2IFR JA1BOQ K3SEW K9OW |
| 2326 K4PB | 2316 HB9FMN K0GY VE3EK W5GZ YO2CMI | 2303 JH4ADK SM3LGO | 2293 I2YDX K7MTR W4MAY | 2278 K4WNW K6YRA N9RC | 2267 9A5N IZ1GLT YO9FNP |
| 2325 BH4QYX JE2HCJ JH8SLS | 2314 AI2N K0GD K1ZZI | 2302 ER3DX I2VGW JG4BLW K3FRK K4TEA W2WG | 2292 K3TN RZ3DW | 2277 DL1WM HB9BOI | 2266 OH6NIO |
| 2324 AA7G IK1SOW JA2FSM JL1XMN N3UA PZ5RA VE6AX | 2313 JA7BVH | 2301 JA2CEJ JH0MXV JP1NWZ K4XR N0RB N4HB OH2OT W8JRK | 2291 JH1RGG K2TWI SP3XR W9EWZ | 2276 HL3DE KA8SYV RU1AB RU3SD | 2265 IK0DWN K1CA WS5W |
| 2323 JH4BTI JR9LKE K0CS | 2311 K8ME PP1CZ SM5CRV WC5M | | 2290 7K1PTT AA8CH HK1MW JA7CVL W7CA | 2275 IZ4AIK JA9GLW | 2264 IK8GYS JH1BNC N4MHQ UR3EO UR5FEO VE3YF W1OW W5ZPA |
| 2322 JG8FWH | 2310 JA5BGA K1KA OE2GEN | 2300 DJ8ES JA8NFV LU4FPZ W7HPW W8WEJ | 2289 AB5EB | 2273 K0AZ K8BN N7NG | |
| | | | 2288 HB9BUN PY2RO | 2272 DL1HRN KE1F N4XP | 2263 JK1BSM KA1ERL OE7FMH |

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|---|--|--|---|---|--|
| ZL4TT ZS1A | 2252 K5DHY RN9N | 2241 K1UU N4EFS NA2M OH1TX UA1ACG | K7GM K9MIE KJ6NZ PA0JSE W8CZN WT4Q | 2220 EA9IE JA9IFF | W5JAY W8OP |
| 2262 OK1DH WA4JQS | 2251 N4TV OH1JP W5ZO WB8CQV YB1UUN | 2240 9A2TN JH2IEE K4MM | 2229 K2TK N4JT SM3CBR W5DNT | 2219 DJ5EJ JA8UIV K4VIG KH2L NW4V | 2209 DL1SVI KX2A N8MR UN7ECA W6RFL |
| 2261 F9XL IZ8EEL JK1TCV W4UCK | 2250 DL1SP EA8BYR IZ2DLV JH1XUM JR3UIC | 2239 JA0DWY W4ABW | 2228 JA0Eiy JE1GWO | 2218 EU1U JH4CBM | 2208 DM5BB IK3SWB KI4DLS N4JQQ WA1FCN |
| 2260 G3UHU IZ8EDJ N9UA SM7IUN W5PJR | 2249 AB5C JH1VUO KE9L N2VW WP4EJH | 2238 JA1CMD N9AW WD0DAN | 2227 JA2KNW JG5RVQ | 2217 S51NM W0HT W3MR WX1S | 2207 I5KG |
| 2259 N0RN N6PSE UA6FJ UT3UZ | 2248 K0TPP WS7L | 2237 JO4CFV NK0S W1YRC | 2226 JA4HAW K7BTW NA9RB W3IP | 2215 LA9FFA RA4FEA SM7CQY SV2BOH | 2206 KM3T KM3V PA3ABH XE1RBV |
| 2258 CT3KN DF2NS K6DT | 2247 HL2CFY K4HMB | 2236 AB0CT DL9FCY HB9RYZ JH1IED K2FW | 2225 IW1FGY R3ST SP6JIU W8IQ | 2214 HK3X JA1DM K4FJ RN1ON SM5SWA | 2205 JA0UH JA8FFM |
| 2257 IK2SND JH4FEB K8NKQ | 2246 JH1BAM PY7RP W8UN | 2235 I0OSI IK6BSN JH1IAQ K5JZ WA0RVK | 2224 AB1OC K1IT KD6UO N2DPF | 2213 JA8EOT K1YR W3RW | 2204 K6ZZ N4HID |
| 2256 KA4RRU | 2245 EA1JO | 2233 SM7NDX | 2223 SM3PZG | 2212 N4RF VU2CPL | 2203 G0VXE JA0GCI LA6UL ZL4AS |
| 2255 EA7SG JF2WXS K9GA OE5BWN | 2244 BA7IO OH4UI | 2232 9M6YBG KG9Z | 2222 AA1AC CT1BWU IW0HOU UN3GX | 2211 UX5UO VO1HP W8IW | 2202 JA8JO UA0FO VU2PTT W4LSC* |
| 2254 JA2IYJ W9PZT YL2KF | 2243 K0LUZ K8NK | 2231 DL4DZL R9SG | 2221 JA2DXD K9OT | 2210 JA8DKJ NF1O SV1FJP VE1JBC | 2201 G3TQZ HI3T IU0HDC JA6OXT RM3DA RU0SN |
| 2253 JH1DGQ | 2242 FG8OJ JA3KGF NY2NY | 2230 JH3FUK | | | |

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|---|--|--|--|--|--|
| 2200 CT1AGS JH1APK N5BO W9YE WE9V | N4SC | PY1KN RW3QM W5RQ | 2168 F5UJK UT4EK | 2157 DL5XAT JF3PNQ JR1NHD K0KG W2TB W6CYX | 2149 AA4FL JA8ZO |
| 2199 WB8B | 2189 AI6Z IK1ADH N4AL N8NN | 2179 IV3YIB JF1LMB | 2167 DL1NKS IK6HRB N6PE S57XX WA4CEM | 2156 K2EQ N5PHT TA1CM W1OPD | 2148 CT1GPQ DL7UPN JA3LDH K4YYL K5GH |
| 2198 JH4DYP | 2188 N4ZH RD3A | 2178 JA1KPH JH7BKN K1GE | 2166 LA2XPA W2RQ | 2155 OZ7FOC WA5LFD | 2147 K1NJ N3QE |
| 2197 SM5CBM | 2187 IK4IYC IT9RYJ JR1MLU | 2177 EA4EER N3EN NW6S | 2165 I0MWI N4PJ N5ET S54A | 2154 JG3FEA SP3V | 2146 EA8MT K1PL |
| 2196 JN3SAC W9JJB | K6SRZ RW4CY W0AIH* W5VQ W8BBQ W8MHW | 2176 DJ2SL K4ZIN W5DAW | 2164 S55ZZ | 2153 4X6ZK DF2NU EA3GHQ JH0RVY K2BA NF4A OH2BF S50R W4JS | 2145 DF5WA EC1A RQ3A RU6FZ |
| 2195 EW1KP IK8BQE JA5NPV K2CBI LY3W W1SSN W6AEA W8KA | 2186 ZS2EZ | 2175 AD8P* JA4DHN N5DD | 2163 K5JC UA1AIR | 2144 DK2OY N4UOZ W4IS | 2143 JA1CZI JF3SUL JK3GHE K4NA W9RC |
| 2194 K5PI N2WKS NE9U WB3JFS Z31RQ | 2184 JA2JRG N5AO W2YR W4BUW | 2174 K5TT | 2162 RZ0AF S59ZZ W7AV | 2152 UA3O W6IGK WA1PMA | 2142 CT3DL JA0PE K8KWT KK1W |
| 2193 K2RD | 2183 4X6KA JJ0DRC W9FI | 2173 G0DBE K2AU LU5FF NF1G OE2SCM VE7BV | 2161 JA4VLK JF1RPZ JH1WJR | 2151 AB4SF JA3BXF N4QWF N7IP SP1MWK | 2141 DL2AYK DL9RCF I5MXX N1RK N6IE |
| 2192 N3BNA | 2182 IK1PMR JA0CGJ JA3BSL | 2172 HC1BI KK0M | 2160 HS0ZEE I5REA IK1CJO IK4HPU JN7DOS | 2150 JR1WCT KU4XO NT5V SM5FWW YB0COU | 2140 AC9EM DL2HYH |
| 2191 EA6EE EA8TH IK2DZN XE1MEX | 2181 IV3TMM W6SL | 2171 UT3UY | 2159 JA2KVB K1NY N1RJ | | |
| 2190 JG1OGM JH1OBS K1EFI | 2180 IV3TDM JA8BAR OH1NDA | 2170 JH1VHU SV3AQR | 2158 K4RO SM4OLL | | |

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| JE2JMV KT8Y W8KL | 2129 G3KMQ JE2UFF N2AJ WB6EWM XE1H | 2120 HL3AMO JA1WTI LA4PM SP8FB W1WC W2/CT1GIF W2OR W6RKC | 2112 AE0P UN2E | 2103 E21EIC JK1ODA W2FV W9DX WA9YYY | 2093 KE6FV VE3ZZ |
| 2139 CT4GO JF0JYR K8BZ | 2128 EA3EQT IW0GBU KE9I OZ1IKY OZ4VW UN6P | 2111 JA4FJL JH0MHR K3PP | 2110 DK0UB F2NH HB9CRV JA3XNH JK1AJX RA1OD | 2102 DM2RM JE2VLG | 2092 K3SX N5AQ R1MA ZL2AL |
| 2138 JR6IKD | 2127 HB9AAL JH1ACA OZ5HP W3ABT W9VNE | 2119 JA7XBG JA8LRG K6MI KR6C WI8R YO3FRI | 2110 DK0UB F2NH HB9CRV JA3XNH JK1AJX RA1OD | 2101 EA6AJ JA3VPA JH7DFZ JK1UNZ K1DC K7KB W9HBH WA3OFR YL2TW | 2091 EB3CW G4XRV HB9JOE W1TO W2ZI W4RDX |
| 2137 K5FZ NZ3O | 2126 4O3A JA3OOK K7ACZ W0QQ | 2118 JR6SVM OM5FM R3QW | 2109 CT1BWW UN7FW W6DR | 2100 DS3HWS DS5ACV JF2VAX WB2GAI | 2089 IK0XEZ KV1J SM0MPV SV1MO |
| 2136 G3IFB IZ7AUH K7LV N1IX | 2125 4F2KWT IV3XNF JH0BQX JH3SIF | 2117 ER5DX G0FUV IW3GJF K1SM LB5WB SM7GIB | 2108 9K2GR JA1AML KW4V WA8MCD WW2DX | 2099 EA8RR WA1SXX | 2088 F6ECI |
| 2135 K4NNX | 2124 OZ5NJ W4GIW | 2116 F6DBX K3OX SM7HCW W5WTX | 2107 EA3DW G4DJJ K3PU W8GNM | 2097 IZ5MOQ RW9QA | 2087 JA1CJO KF0LA W1SRD |
| 2134 WB5TUF | 2123 HL2KV IK7EOT KZ8Y W3FI | 2115 DL3KZA EA1KY KA2MGE | 2106 JA3NHL JE3GUG KX4TT VE2BR | 2096 CT1FUH F5NBX HA1DAE JA1QWT W2JLK W5WP | 2085 DL5XL HA5PT KR2Q PA3GCV |
| 2133 AJ4A RA3LO | 2122 K1ZE | 2114 G3UAS IZ5NFD JA2VHO KA2NDX SM7BHH W4SK WB3LHD | 2105 DS5TOS K7TM N4UFO SM5ENX | 2095 K1UI ON4RU | 2082 JM1GHT N7DED SV1CQN YO3ND |
| 2132 JA1MZL K7UT W3TN | 2121 A65CA IK2ILH JA0LXP JH2SON W8JV | 2113 JA1OVF | 2104 DM5GG HB9BHY* JA3KNN JA3UCO W2CG | 2094 IK2CHZ JH2XQY K1MAA* SV1FJF | 2081 KS4S NA4EA |
| 2131 JA0EKI K1RV N6KZ RN3CT W7QDM | | | | | 2080 JH1ORA KC6X N0AH W5LE |
| 2130 EA8AXT IK0OPS IK8UHA JH3FHQ K0DEW PA1H W6YOO | | | | | |

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|--|---|--|---|---|---|
| W5QM | 2070 CU3EQ ND5S | W1ZK | 2047 IZ0BVU JA0VSH JA1FJJ JP7EIP K2AJY K9OR N4AA* PA0GMM | 2040 JL1OXH K1DJ LA7WCA N7QT W8MK | 2030 N6PAT UA6AUA VE3JV |
| 2079 K3EA K8AV KN4KL N1IW N5TJ N7UN | 2068 JH1UBK KK4OK N4NW R3LA | 2057 K5DC NK4L PY2FN W0TM | | 2039 DK9CG UN3G VE3KI | 2029 N4IG SV1HEP WV4TN |
| 2078 K9DR | 2067 JA1NCZ JA1OVD K2AX N0ABA NE6I | 2056 JA1EMQ N6PEQ RN3D | 2046 EC1AIJ F5INJ I5MPN KM6HB | | 2028 DJ0UT JE1VTZ K8KS KD9HL SM5AOG |
| 2077 JA3WLN KL0S XE1J | 2066 E70T EA5RD N3KN W6KK | 2055 F5BOY PY2WC W3XY | 2045 IK6OIN JA1WWO RK2FWA | 2038 JJ6DGP KK2M WA5IPS | |
| 2076 KI1U OZ0J | 2065 G3LUW JL1ARF K4ST | 2054 DS4AOW OH3OJ | 2044 JH0NEC JH8GEU | 2037 DK2CC JA3MHA K2EK K9TF W7IU | 2027 F5OVQ NI3P |
| 2075 JA8DSO KI4GE LA6OP RA3FH SP9WZS | 2064 DL3BRE JH9DRL N4JR | 2053 EA3HRE EI8IU | 2043 HB9G IK0UTM JA3QOS JH6WDG K2UFM K6MKF NA9A | 2036 KD4S | 2026 9A5F JJ1BMB RT5A W7JY* XE2D |
| 2074 DL8PG JA4FCV N2SQW | 2061 AA4NC N8EHW W1AO | 2052 HL2EIZ K4KAY K5TA OM7CA RA3TT | | 2035 AA4VV JA7KE KF2DT KM1C N9SF | 2025 EA5OX JH6DUL JL2KEQ S52D W9MJ |
| 2073 DJ0MCH K9RT ND4V | 2060 CS8ABF JF1LZQ JR1IZM PA0TCA | 2051 JA6GPR | 2042 IK5BOH/2 K1RI KA6BIM NE0U | 2034 AA3LX JA2QXP | 2024 JR7GBL N1JP RT0F |
| 2072 JA8CJY R9SC SM4BZH W3BG | 2059 4Z5LX HI8RD JE8LWZ N0IJ WD8PKF | 2050 JM1HJG K4JLD N4IQ WB8FSV | 2041 DK9HN IK0OER IT9GSF JN3TRK LA7XK SP6AXW SV9GPV W4GE W7SX WE1P | 2032 HB9DOT IK2RZP IK5PWN JA1AFR JL2PQV KI6CG LZ2HN W2KA W7VY | 2022 JA0KJE JR3REX SV2HXX |
| 2071 JR1UFN KF6HI PA0INA W0CP W3GG | 2058 IK2PZC | 2049 IK8VRH JH2PWY | | 2031 W7IV | 2021 JH1DGJ M0CSD |
| | | 2048 I5JFG K8NS NT2A SP5ES | | | 2020 CU3AA JF2DND |

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|---|--|---|---|---|---|
| 2019 JA2MOG JI6IHG K1JIU SM5BMB W1ITU WA2USA | 2010 7M4AOE JA2MNB JH6EJG K2BB K2SN RA3BL UA3FF VE3UZ WB3D | 2003 AA5JF K4JC KE3D NA5Z OH3NHF UA4PCM W4ZYT YO7NE | VK3BDX VK4CAG W0IZ W4KA W5VX W6DE W9ZCL WA3I WV6E YB2TX | 1988 OM3IM RX4HW | 1976 DL5OCE JJ2RCJ KY6R |
| 2018 JA7BEW ON7TK SA0AQT W3ICM | 2009 9A4SS G8AJM R3DG | 2002 JA6IVR K5FNQ KD8RQE KE4UW N1EVK NJ3K SV3FUO VE4EAR W3FOX | 1999 DL4LAM K2BLA LA9OI | 1987 N2WLG TZ4AM WC4H | 1975 JO1LVZ K5QX ON4UN* |
| 2017 KB2FCV N4OA | 2008 K4RG | 2001 BH4IGO DH2PC DL6OCM IU8FRE JA8XQI JL3LSF K2HAT N9TF VR2XMT W0YVA YO4DW | 1998 AC4TO HA5BSW K6NR KN6KI SV8CKM W3BJ W4RBO WA6JA | 1986 K1ACL N1UK SV1FKZ W0SR | 1974 K8FC |
| 2016 JA0LFV JP1TRJ RU9UC | 2007 DK3UA DK5DC* KV1E N6OJ VA3MO | 2000 DL2RUM DL2SWN I1WXY IK8GJR IW3SSA JA7HRM JH0AWC JH0NOS JQ1TIV KJ7M LA1K N6PM OE3HWC R5QA RD4A SQ5NRY UN7G VE1HQ | 1997 AF2C NA2U W2NRA | 1985 JA1JPM K6MM | 1973 DL2NOM JA4XH OP4K |
| 2015 DK3GG IU0LFQ K9MMS RK7T YB1AR | 2006 DM3AZ HI3Y IK2ANI JA3EJG KB4MRX OM8FR W8JH WB0O | | 1996 GW3SFC OH1NPW WC6DX | 1984 JI1CQA JR7MAZ K8YYY N2FF | 1972 AB4I DL3JPN |
| 2014 AB4UF IZ1DFG JH1BSJ K2AT N7TT | 2005 DK5RL JA3FHL JH1NYN NU1O SM6CKU VE3NI | | 1995 JA1SKE K9SG | 1983 DF2PI HB9EFK JA1DDZ | 1971 K2SY KB9DAK |
| 2013 JT1BV ND4X RA3QUA SQ7NSN W7HR | 2004 DM1TT EA1DLU JH4RUF RA3ANL SP3QYQ SP5APW W4SO | | 1994 WD8ANZ | 1982 DG7RO DL1RWN JA1SGU | 1970 NA2AA WS1L |
| 2012 IK7YZG JE0VJV VE3MV | | | 1993 K5SM | 1980 AA0MZ IZ4DIW | 1969 SM4DDS |
| 2011 4Z5SG K3VN | | | 1992 K9SG | 1979 AA9GR I8LWL IK7FPV K0DD SV2DCD | 1968 OZ4AAL |
| | | | 1991 HA5GN | 1978 IZ8EJB | 1967 F1ICS JM1TWR N4QWZ V51B |
| | | | 1990 N6MB | 1977 JA1XPQ WA0ROI | 1966 HB9CIC |
| | | | | | 1965 JA3HBC K6IPM KA1J KB9VF N6NO N7WO NP4G |

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| 1964 EI3IO W5THT | W1CSM | 1943 W7NN W8TE | 1931 JF1IXE N7WS W0JM WA9GON | 1920 K9AW OH3NDH | 1910 NC4RB |
| 1963 DH0GSU I8DVJ JA1BNW OZ1LWT W9SN | 1954 DM2TO IS0AFM K8VC | 1942 CU3EJ G4NXG UA4SKW W2CVW | 1930 K9FZ* | 1919 DJ9WH HB9DQV JA0CIU JF2OZH N7ZO NR9J W8QZA/QRP | 1909 EA1KP NU1B |
| 1962 HA5CW VE3CV* | 1953 K2BX K4WZ N3KV | 1941 ON4ANN | 1929 DL7UVO IK8CNT IU8HEP JA1OND JA7FWR RL3AA | 1917 HL5BMX K2XB* K9JU | 1908 AG1A DJ3AS K5YCM KD4W KL7HBK SP5TT W6UC |
| 1961 K5RJ K9ALP W8LMG ZS1J | 1951 IZ0BTV | 1940 K4WES ND8L | 1928 N5WA N6RK W5KK | 1916 AD5MN JR1VAY W5GA W8HMK | 1907 DL4NBE DL5MHQ |
| 1960 JA1CFZ JA1QXC K3BR NY9H | 1950 AF5CC JA2FCZ K4OY N1ZZ N5UW WA4DOU | 1939 JH8NBJ K1FEV SV8BHN UA9CGL | 1927 EW1P JE1OHL | 1915 6K5YIA G4XEE JA8OW JH1ERJ NY3C PA3GRM W2WC W5RF | 1906 AC6DX GM4FDM IK7WPC JA1HOM K1BZ KV4FZ* N3KS OE1SZW W2YK |
| 1959 JR6CSY K5NZ NO4J SM0DSF SM5CAK | 1949 G3LDI JA1XRA W4DAO | 1937 K4MF | 1926 IK2DUW JE1HRC JM1VRW RD3BD UA3FX W3SB | 1914 IZ0NRG K4YJ W5GO | 1905 JA6JEW JJ2WOC OE3KLU OH5LLR |
| 1958 KE8UM N5TW | 1947 DL6LIM DL6XK DS5DNO JF4EQJ K9WX KK9H N4ENE | 1936 K2RU N1QY N9ZI | 1925 KS4YT KV4T W1NA W9IL | 1913 K9FD | 1904 DL1DAW K8EAB |
| 1957 IT9RTA K1VW* N2RJ WC3W | 1946 DF9PG K5WBM | 1935 N1KC | 1923 IZ1JMN | 1912 DL2RTL F6HLC HB9KNY JA2ITK JH3GFA W8FN | 1903 K6BV NQ3A |
| 1956 AA6RR KD2T SP5MXZ WA1YTW | 1945 DJ8NT NH6T/W4 | 1934 9A9CW DK4TP NA6L | 1922 DL4RCK JE2PCY LY3UM N9KW | 1911 JH1RFM UT7KF | 1902 IU2ANW JA4KDT JQ1ALQ |
| 1955 K3FM SP6EIY | 1944 NE8Z | 1933 CU3AK CU3AN JN1NBU KK4OW WN6K | 1921 JA2KSP | 1901 F5JSD IK1IYU | |

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|--|---|--|--|--|---|
| S58J W8FIB | 1890 DF1ZN EA3EQS W8QID WB2BIN | 1878 K5AB K5KG K9AU K9UQN N2NW YO2KHK | 1868 G3SBP SV1OZ UA1ORK | 1858 EU1M GI4DOH I4JBJ JH1FSB NL7S SP3F SV8DOU | JA4CZM WO2X |
| 1900 JA7BSD JH7CUO K9JN N6NU PT7ZT W1AW W5KI WE4S | 1889 IK6GRT | 1877 EA7QW N4HN OH7TV W0FS | 1867 JH8KFE N3ND RA4P RO1B | 1857 AA4U JH1OGT PA0JNH W7WZ | 1847 JH0OXS N5ZC VE1OP W1WLW WB4QOC |
| 1898 DL8OH PY5IP UN1L | 1888 JH1EDD MM0BQN W4YCH | 1876 AA4AK | 1866 HB9MFM JA1GVM JE1BMJ K1JB K1JD K9CS RA0BA RT3M | 1856 K4EA | 1846 G4FKA JA2XW |
| 1897 GU0SUP KI4WCQ KW4MM WB8ART YO2DFA | 1887 DF6TC F5VHQ JA0KJD K9DT KM3J | 1875 AH0U IZ8AJU VE7TK | 1865 JJ1TKN K3PT SK3BG SP6IEQ W0FK | 1855 JT1CO K5CWR PY2GM | 1845 WY6N |
| 1896 JA2EWE N3VA WB5AAA | 1886 WB2WPM | 1874 JA7VEI JM1SZY K6IPV | 1864 MU0FAL N0ODK NV4B WQ5R | 1854 KJ7TEA W1EG WA5POK | 1844 KZ1W N8SHZ |
| 1895 LA5SJA SP6AEG W3ACO | 1885 OZ3SK* | 1873 K5TN WA4VA | 1863 JA1PAH WO9S | 1853 JA3MVI K3WWT N7MQ W2RIJ | 1843 KK4CB N1MD N4TOL |
| 1894 JA0AXV K5OA W4HZ | 1884 IV3AZZ IZ8EEI KZ9DX SM7EH* US1CT | 1872 AC4VM SM6CLU | 1862 DJ5IO JA1GUC K2CIB YO3JF | 1852 AK5X JA4EVN | 1842 HB9FMT NE9Z VA7ZT |
| 1893 K4JKB NG7M | 1883 IW0BYL WQ6Q | 1871 DF3EC DK6OR K4EU W9VG | 1861 N1AC VE3YV WV2I | 1851 JA7GYP N6GP N6ZN WA4QMQ | 1841 AB2E JF6XQJ NA9Q NS4P W8ZF WB2AQC |
| 1892 K8QKY | 1882 EA5RU JI1WLL | 1870 IV3IXN JH8SIT N6QI | 1860 DL5KUA | 1850 DL6KO I0LYO JA2KTP JA4QAD JA7JPZ | 1840 EI6IZ K2MP W0KCJ W5UE |
| 1891 DK1WU K6XN LA9TY W6AER | 1880 W1OP WB2KSK WX0B YO4AUL | 1869 JH0EQN K6MW K9SE RU1AO WK7E | | | 1839 DJ8OG I0GOD |
| | 1879 DL3LBM RD9M | | | 1849 IZ8MBW | 1838 DJ1TO EI7CC N3XM |

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|---|--|--|---|--|--|
| 1837 CX2CC EI2JD HB9IIO LY9Y | N1IA | 1816 G3WW HL2ZN K5OT S52FW | 1807 K3NF | 1796 K2IXQ | JG6NGS K0ARS K4WM KT2C LA1U N5FF NU4Y WB6JJJ |
| 1836 5B4XF K0SD | 1826 K3STX N6AX YO3DDZ | 1815 IW0BCF W1PX W3KB WD4OIN | 1806 DF2UA JR6IQI PA0MBD W1KDA | 1795 JR1DQK K0MD K5ZD KA9OKH RC3FL VK3NX W5JMW WC4B | 1787 AA9RR KM7R ON8GT |
| 1835 JA6HQT PY2GG W0ZD | 1824 DL1HBT DL7APK HL4GAV IK0EFR IU8FRF JJ1KZZ W4DEE | 1814 4X4MF AA9LC DL9IU HB9FBG K4XU | 1805 CT1BXX FG4NO JH8UQJ W6BK | 1794 I2YWR I8OCA IK3ITX PA0VLY SM0BYD W4PNY | 1786 AA7XT G3YQA G4AFJ N2CG |
| 1834 AG5W | | | 1804 I1YDT | | |
| 1833 IT9AAI K5ZQ LU8ADX W7IB W7YA W8CD | 1823 LZ2ZG NI5F SQ9OH W6WF WA6SCW | 1813 EA8DIB JI1LAT K4JWA KB6CIO VK6LC W1DYJ | 1803 VE6KC | | 1785 AA6PW JI8PDC JL1BYZ K9QFR R5DU W2DXE W3UM |
| 1832 JA1XEL JF7ELG JS6TWW W0DD | 1822 WB0TVY | 1812 I4JEE IV3ARJ K3MSB W7CD | 1802 JH7QLR KE5PO N6MXU | 1793 DL1TS G4ZOY G7VJR JA0EVI RA4WE WY1G | |
| 1831 KD5QHV SM3PHM VK3FM | 1821 K3GT W0PSY YV5LI | 1811 IZ3BJK N8NA OH2RI | 1801 KF7F N5PR | 1792 DL3EA EA2AFV JH4RLY JR6GIM K6TAR | 1784 EA5DFV I2TZK JJ2ONH JM1LPN LA8AW W3MF |
| 1830 DL8FBD IT9BLB K0OK | 1820 JA3EY K8ZM KQ4EE | 1810 DL1DWT NM5Z NU7J VA7CRZ | 1799 JE1IBI K7GS W9MO WC7Q | 1791 JA2OLJ W3DM | 1783 IZ0CBB K4SX R9MJ UN7JID |
| 1829 JA1UTZ KD1F | 1819 AA4DD K5UZ SP7ICE | | 1798 DL7KL GW4BKG K1IFJ KC5LK N7ELL S59DKR | 1790 JI3CJP SV8RX | 1782 SM0XBI W1UK |
| 1828 JA1QIW JL3MCM | 1818 7K1CPT K0THN K3AJ | 1809 CT1DOF VK5GR | | 1789 IK2ZJN JI3BFC JK1VXE | |
| 1827 HB9DDM JG1SWM | 1817 W8LKG WA4BIM | 1808 EA5B N3RW W0MU WB2NPY | 1797 KH6M KU8X | 1788 HB9TOC JA3HBF JA4HWX | 1781 DL1FKA JP7F5O K1DW W6TK |

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| 1780 EA2AAZ IV3KCB K0GW K1XV K5CD K7NK N2GZ N4PYI W6OD | 1771 K2MK N7BD W8OM | 1762 JH2AJY N1API S53MJ TI5CDA | 1752 AL7R JF2HPA LU6ETB N8HRZ W3NS | 1742 DL7JRD KE8KMX | 1734 5B4ALJ |
| 1779 JA6GIJ K5AV | 1770 EA4DL JA1UII K3SV R3CR SM5YOC | 1761 HB9BOU RX3APM | 1751 KR0P LA5XGA OZ1HPS | 1741 K1RH N0UN ND3L | 1733 JA5DBE N6WM |
| 1778 HB9AWS JA1IAZ JF1WLK JG1LBN JH1ILX JR3QHJ K6UFO S50B | 1769 7J1ADJ WC7N XE1VIC | 1760 DK0EE HB9TMW JA8IUB JR1EFG K4WY | 1750 AL7TC JH6PFY W4CCS W5DM W8NN | 1740 CT2GLO DK5QK N1KDO RC2A VK7CW | 1732 DL8TV IK6EIW JA5JUG KA1DJ KW4CQ N4DWK |
| 1777 JA7DYJ JL1CNY | 1768 K7LAZ NE1F | 1759 JA0NZR JA0RCK JE4NAN | 1749 N3OC N6BM | 1739 AD6ZJ CT1IZW EA3WL IZ2EWR K4EB K6RG OE1ALW UN1O | 1731 JA0MRW JH1FVE KE4KY KR4W N2RR N5EPA W6WA W9GXR WA9JWL |
| 1776 JJ1CZR W8GEX | 1767 K0QQ VE3VC W1SLF WK4Y* | 1758 K2PF* KE4S SM5GLC | 1748 DF7AP DL5NO DM2HK JG4NNS K2RET OZ1ACB RM6B | 1738 F5RQQ N0STL N3MK N4GU NA6O | 1730 AA4LR AG7N JA6JNF JE3EDJ K5TIA WX6V |
| 1775 BA4TB I8YAV | 1766 JG1DUZ LZ1MS N2KX N5QS SP5ELW TF3DC WC4X | 1757 JH4JLV JI2FBG JS1NDM ZS6NJ | 1747 JA1ETN K4LM* | 1737 DL9EO K1DX SV1NJW SV3ICK W3ML | 1729 DK4PE I7PXV LA2GH XE1FAS XE1L |
| 1773 AJ7G JH1XEF K0EEO OZ7DN PY2SEX WB4YDL WD8NVN | 1765 K7XC | 1756 DF1KG F6KOP JP1LRT K5CR NE9R SM1TDE W9NIO* | 1746 N9JR SM2DMU | 1736 N7MB | 1728 JA8AZN OH1HB |
| 1772 AJ8MH K9PG UW2ZO WA0SXV WB4GLI | 1764 DS5RNM HB9ZS UR4IOR UW7UA VA7RY | 1755 JH9AUB | 1745 SM5ELV | 1735 JA1DOT K3NQ K7FL KW9U N4CQ RN9CM RU6K W3FJ WA2UBK | 1727 JE4CIL JR5JAJ K4AR KR8T N1NU N3ME* N7HN |

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|---|--|--|---|--|---|
| 1726 DL9GTB IK3DVY JP1HDK K4KGG K4QE K4VNY | 1717 N7GR SP7CVW SV1GRE W9CSX | IT9ZZO JA1SHE JA4IXI JH1SBE N8VV W5UHQ | KE5TD NA4MM WB2RAJ WC2K | W4LIA | KE0A W1OG |
| 1725 JH1FNU N6EE V31MA | 1716 9A1CKH AA4M DK1EI N3RD NO9E | 1707 AB2RF SM5CSS | 1699 CT2IUK | 1691 JR0PJR K5TR KE5FXE N6KK N7UVH NS3L NX8Y WV9L | 1684 N9AOL N9LJX |
| 1724 F5JY JA3CSZ VE3SKX YB1TJ YO3AIS | 1715 JG3WCZ K2CYE KK5OQ N1CGP N4TD OZ8X | 1706 AC6HY IK4DKO PA3BWD W9BP | 1698 HL4CCM K5PC KF7NN SM5API* W8SAX | 1690 DJ6NI IK0WRB JH7IMX W6RFF WB5NHL | 1683 N3NR SM5BS VE7SZ W1JA WA2UUK |
| 1723 JA8EIA | 1714 DL5CL K8JE N7KO | 1705 K7GQ K8SMC* W3US WY0V | 1697 9A1R AD5WB JH1IZR KK9T | 1689 K8KI KF2TI KL7TC W4GMY WA6G | 1682 AG4Q K4MIJ WR2K |
| 1722 IK2GPQ JA3UNA M0IKW N1WQ W6PBI* | 1713 HA7LW K5ALQ ZS6UT | 1704 KF4ZZ LB7ZG N7FU W7FP | 1696 HB0WR N4AOE NA6MG RA0R W9GG | 1688 AA0ZP IK1UGX JG1HVC K5MT | 1681 JA1JYE JJ0NSL K9MUF N5PG OK1DX RL3AW W4UEF WB6L WC0W WF1H YO3FGO |
| 1721 DM3ZF EA2J LA9GX | 1712 JF1KMC K8SIA | 1703 HK4L JE6HGL NA2X W9ROG | 1695 JH3HGH KF4VTT LX1DA | | |
| 1720 HK3PJ KK0DX N4XYZ | 1711 W1KMA | 1702 JG3HBO JH1MFN JH5HDA KM9E N2ZZ N9PGG | 1694 4X6GP K4KEW N9DR UA1ANA | 1687 EC6AAE HB9CQL KU5B N2LQ N3TR R6FFB W6GRV | 1680 K8ZZU W1MR |
| 1719 AE4CW G0BBB W6SFK YL2CA | 1710 EU4A JE1HPM JG3KCX KG4CUY KS0M N8AYY W4GP | 1701 CT3CD JA7FAS ZL3RJ | 1693 EI9FVB R1QA W2GS | 1686 AG3V F6DAM JA1NRH JA6AVT K6LRN LZ2HM NA4M | 1679 7L1CYC JA4IYL JK7LXU K9SO W3UL |
| 1718 IZ1JLG K6CF ND3F NX2X W0PR WA6TLA | 1709 JA7BME | 1700 IZ5FSA JA0ED JH2VVH K9RE | 1692 4X1SK BV1EK CT1ELF JA1FUI JA3KZV K0KP W0AD W1UE | 1685 JE2KSM K3XO | 1678 9K2BM |
| | 1708 DL9OBY HL2VA | | | | 1677 DJ3XG EA7BJ KM4NS |
| | | | | | 1676 JE1PHH |

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|--|--|---|--|---|---|
| JE2EBT K2RR PA9M VE1VOX | 1666 EA4UV F5CT JA1TD JR2PZX K7AWB | VE1JS VR2KW | 1647 DL4UCS JA5QAH SP7QHR YV5KTM | JQ1YIW N4FN WA2MBP WB0N | K7CMR PT7DX SM5BNK SP5UAF |
| 1675 IV3AVQ | | 1657 SM6AOU | | 1638 KR4BD LU1FAM N9TK | 1630 JR1CAD K7HC NK7C SP5JXK W5BK |
| 1674 JA1BNL JA7NLW KB1W N2ZA W1JQ | 1665 JF3LGC JR4CZM K3MD K9GS SM2EJE UA0SC WA4MME | 1656 DK3QM F5BEG N2CQ W0KEU W8BLA W8NGA | 1646 HL1AV IZ5EBL N0AMI YO3VU | 1637 AH2O DK3BK JA9RT NA3F | 1629 DL7UIO KW3W OT1A YL3DQ |
| 1673 EA7DUD HB9DQL KV4AA N8PCN NU4I W8UQ WT3Q | 1664 AD3C DL8SDC IK1MEG WE2N | 1655 GW4MVA HB9MEJ JA1HSF NF3R PB2A UA3AKI | 1645 IK4HLO JJ1QUV N1BCL* R7HF R9JX W9MR | 1636 G3YBO RN6AJ | 1628 N4MEC N8GP NW4M SV1BYI VE1RGB |
| 1672 DG5LAC K4WW | 1663 GW4TSG IK0XIH JI1MNT | 1654 JE7RJS RN3OA SM4CTT | 1644 EA4DB JL1WQO KD8F KG5UZ N9YB VE3MM W2PP W6FL | 1635 AA4A JA1DCK KB1HY YP3A | 1627 EA4EPY IW9HII KF9UG N8AGU W0ZS |
| 1671 AC0X W7QHE | 1662 DL6UNF IK7YTT JR0EQQ N8NB | 1653 K8ZT/QRP SE2T | 1643 K4FX PY2DV | 1634 CT1BOY F6GCP JA7MYQ JM1JIV K3LR N7RD US8UA WW8W | 1626 W2RA W4AG WB8BZK |
| 1670 N4BAF | 1661 K7FEL KF2T RL2A W1EL WA7BNG | 1652 GM3WIL JA3AVO K3WI KU4BP N4FY VA2IG | 1642 DL1EK W1HEO | 1633 KI6X RA6AAW RW9SG VE3IQ W7JW | 1625 I2EAY JA4SSM RV4LC W3OOU |
| 1669 JH2AQI | | 1651 N4ZR | 1641 DJ7JC JA4HXF JA9NUN KC6JAM | 1632 AA3TH K4GO KN7Y S51MA WF4G | 1624 HB9DVO HB9DVZ JR1WYW K8YE N8WRL TF4M UA9CNX VR2CH WA5NOM |
| 1668 7K3QPL HA5LQ K2DC NE3H VA7KO W8NJR WA1ZIC | 1660 AD4AA IZ6CST LA4WJ ZP5YW | 1650 CT1AHU | 1640 IZ5YHD JA1VRU K6XM N4XMX WA3FRP | 1631 I5XFD K6UNE | |
| 1667 4X6UU AE5B EC5A W9RXJ | 1659 JA4GXS K8AO | 1649 N5PA | 1639 JH2GZY | | |
| | 1658 AJ8B DL2JIM | 1648 JA6BZA K9EXY N5MT | | | |

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| 1623 AC5AA IK2QEI K1AJ K5IB W1OK W7CP | 1615 JI1HNC W7IUO | R3IS W5ZE | 1599 K08SCA W0QC W4MA | K0BX* K4KL SM5HJZ W8MIL WA4FLZ* WB7QXU | KJ5PQ WA6EZV |
| 1622 EA3ELW JH2BNL KF4NEF NW7M | 1614 LX1CW OK2ZA UA4PK W5WLA | 1607 N9AKR ON6NR SM3DXC WB1EAZ WB6BFG | 1598 CT1ELC IV3FFI KI8L N4XX W7TUS | 1589 F6FYD IZ4AIB JA2HNP KE9U KZ7N | 1582 F4GVO JA3EEM LU2BA N0KK NY4I SM5FQQ SP3AU W4UFO Z32ZM |
| 1621 K2SD W6CUA | 1613 JA2ODB JL1GYZ K5EWJ K8OD NZ5O W6OUL W7LGG WX2U | 1606 JJ1PFC K3KY VE3YXO W7VS | 1597 I8MTQ K3IE W5RYA XE2MX | 1588 ER0FEO FM5CD KE3X N3ZOM N9MR | 1581 HA2NA JR4VMS KJ9X VE1ZZ* |
| 1620 9A6ST I7LGM KC9FFV SM5OJH VE1JF W7YW WB4DNL | 1612 DH3KM G4FAL JE1CTA KM2E SV2CLJ WA4MIT ZL1HD | 1605 V51YJ WF5E | 1596 K3WGR K9ARZ N8DUY N9JCS YO9FQT | 1587 JA9ESZ JG1OWV NU4E RO7T | 1580 AA3AZ F5LIW JH8OCV OE6CLD W1FA WA6POZ |
| 1619 I4JED ND7J ON6YH W0SD | 1611 EA5AR G4FTC IV3TMV JA1PCM JN1NOP W2UDT | 1604 AA8SW KC8RP WB5STU | 1595 DK5HZ YO9BXE | 1586 IZ8EKL JE7ETY K4GK W5DM* W7TSQ | 1579 KE6V NA1DX NP3CW W9BS |
| 1618 AD4Z KF4MH UA0FDX W5LO W8WVM | 1610 JA1GVT N7VPN OE1PMU W2GFF | 1603 K6KZM W5NUT WT2P | 1594 E74A JH7VTE JJ6WZS KD0AA KN4PPD SK0QO | 1585 7M2PDT AB4GE K9QJ KE4SCY KN4JX WD8KND | 1578 AA6RE JH1AQN K4QD K7LY KB5UNX |
| 1617 JG3KLF JR0QFA JR7XOD K0CF OZ3SM WB2HJV | 1609 IW5AB JA1CCO WJ2R | 1602 HB9BNQ K4OCE K5HK N9IO VR2XYL | 1593 HB9AAA | | |
| 1616 I5FLN JJ2VLY N4ZY* | 1608 EA5K I0KDF JA2CUS KU2C | 1601 JE0ART K0SRL KY9KYO SP4K W4WT YL2TD | 1592 DL5RDI KU2A VE7CV VR2XLN | 1584 JR0AMD JR4LZX N6WT VR2MY ZS2Y | 1577 JA4ICR JL1ELQ K2QB K8DE W6HDG WS9W YV5AM |
| | | 1600 JR5VHU K4AB KB2XJ VU2CDP W4QK W6BCQ WA1EHK | 1591 JF1WQC UT5URW W5VU | 1583 JI2KUJ K1OT K4WFM | 1576 JA8ECS K1FT |

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|---|--|--|---|---|--|
| K2ZD K7CU N1LID W5WI | W0BBI W3OU YO3GOD | N0OK ON4ACG | 1552 JA1MLY JH8JYV M0VAA NE0DX RA9SC WN7J WQ7B ZL3TE | OZ2RH | N5ID OZ1RE PY2RN VE2BWL YB2DX |
| 1575 AC9S JA1NQU K0PC K7LFY UR4CWQ | 1567 DK5JI F6DHI IS0MVE VU2LBW | 1558 K2WJ KC2SST KI4TZ N6VS N8IL | | 1545 EA4DUT I2DMI JQ2QHQ NU2Q VE1SK WP3R | 1538 JA4RED JA6ENL K2JL |
| 1574 AB0RX G3LAS* JA1XUY ON6KE RU3A SV8LMQ W7/DL1UF WD5BJT YV4DYJ | 1566 E77S IK8YFU JL6USD N4MI | 1557 7M4CLF VK3KE W1JGS YV5KAJ | 1551 JA0NPQ JA6GXP JG3RWX KD4POJ LU4FW RD9U | 1544 7L4VYK JA2ACI JR3VMJ KC4HW KD4SN N6NR PY6HD | 1537 JH1RVQ KD3HN KE7W N7TR RZ3EM VE3OTL W4OV W6DCK WW1V |
| 1573 DL2HRT K3VAR WA3GNW | 1565 KE1B W0FG | 1556 G4DYC JJ2KDZ JR3XUH KK8MM N7TM R3DL RA3M WJ3A | 1550 JA8RRF K1ZJA N6EM W6KGP WA4USA | 1543 N5CQ RZ6DX SM5ACQ UA6J UR5ECW VE6BMX | 1536 DL5ZB EA5GHD IK4FNF K4CGY OK4YL W5FPT W9KVR |
| 1572 JM3GXU VU2IBI | 1564 EA5HM IK4TVP JF3SFU JK1WSH K3GW K4MV N6RFM UT6UA W6DX | 1555 EA4D IK7HDY IZ0ADG JL1OEC KA6A KK7YC VK3TC | 1549 AC6BW DL3NSM IK7AGT K1CBK K5AC K8LO PY4AZ W9WO | 1542 JD1AMA JL3DGI MW0CBC OH2LHE W2GB | |
| 1571 HL5FBT JJ3FRB KK9M KO6KD XE1R | 1563 IV3BSF JM2QWQ LZ2XF W9QO | 1554 AA6K CT1ZW* DL4MM KE9S | 1548 JG2CNZ K0COM K4AV K6ZP N2ZN | 1541 IK2RGT IK4YCQ JA1XPH JF1MTV JG1ULT K5RKS N6VNI W4NE W8BI | 1535 K0IS N6DHZ UR5WIF W4UDH WA8A |
| 1570 N7GCO W9HP | 1562 YBONFL | | | | 1534 DF2WF DJ2VO JF1AGB K2OP VA2LM W6JZ |
| 1569 AC9O K6BZS SP5LKJ UA1TAN | 1561 E73W JL1VAL K9CJM W8JA | 1553 AK5Q HB9VAB HL3ERJ I8KHC JP1SRG JR1AIB KE4BKL SV2BXA SV3KH W4CSW | 1547 JH2AYB JR1JGA K6QU N7OJ WA3GFM | 1540 IW7EBE OZ1BXG W2DEN | 1533 9A0W IQ2VA JH2KXN KI7AO KZ5DX XE1YD |
| 1568 DL6DQW JA0CVC JR7ILA | 1560 KG6D ND1Y UA1CKC | | 1546 G8BCG JE1LPZ JK1MZT | 1539 HL4CBX HL4XM | |

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| 1532 HB9HBZ HK3CW K8ROK UT2AB | LA7EIA OM2DX UT3UX W8VI | NZ6E UY2UZ WA8CDU WB4SON YO9BLY | DD3KF DL6DCD JA7BAL K8EB KA5V N9CDX R7IA UA3DK VE4EA VE7UF WQ1H | R3BM UA9MC W4REX | 1503 G3XLF JQ1EST K8MN LZ3CB PT2ADM SQ7FPH UT7EC WB0OQV |
| 1531 DL5AVJ VE7XT WS4C | 1524 DJ7WG DL5KUT K0IL K2CS K6FM LY3BY NV4A OE3JAG W3KHZ W8WM WR7Q | 1518 AA5N CT7AUP HK6K JG1BKX JI1VVB JK1UVP K4HQQ RK9UN WA4NUF | 1512 CU7AA EI8GS HB9FBM JH6WMJ NV1Q RA9LT UW2XW VE7VF W1ZS W5FL W6GJB W6ZO W7FI WA2MCR | 1508 DL0WW IK4DCX IU8IYE IW7DVM K5QR N3PS NN6K WV4V YL2EC | 1502 JA4MMO JH7IQQ K6JJ K9LCR KB5HC KF1C KN7K VU2DCC WK8A YB4IR |
| 1530 5T5PA AA4UC JA1DFK K7CMZ W3WST W7BEB W7BQ | 1523 EA3ESZ HK1X IK0CHU | 1517 JA8EJZ K4PKM N0YY W0ANZ | 1511 AD4ES DK8UH JA5JGY JA9RBZ JP1GUW KL7TS N1PM UU7JM W4ID* | 1507 IN3EQZ N0VVV SV1XV W4NBS WB4KTF YB2TS | 1501 DL7UGO F5UKW HB9AGO HL2DBP K2SHA KC9K KJ4YLO KU1T NK5B NR2C ON5GQ R0QA R2DO UA1OM W5DXQ W8PI WA5CMI* WA9BZW WB9PNU YB0MWM |
| 1529 EA1P I1CMA J68HZ JL3JRY OH1WR S59SV | 1522 DL2RD DL8DXF G1VDP JH3KAI K0LB KP3AH NR0P UA9LAO W5RZ WA2BOT WB2ZAB | 1516 DJ6TF EA5KA G4RGK K0AU K0GSV* VE1DUN WB1DX | 1510 F1RAF N9CO W3TI ZS1DX | 1506 CE3FZ CT1ESO I2YPY JA9APM K5DV LA2IR N4NR N6DNU W5SUM WR2G | 1505 DM3PYA JE3MDQ JH3PAS KF2OG KT4AC WK9U YU3MAY ZS1C |
| 1528 DS3EXX SP9TPZ | 1521 SM6VR WA5UA | 1515 9A3MA CU7MD DL1MDZ JG6MQI N1ZJ N9LEO W1XV WA0WWW WB1AEL | 1509 JE4FNC K0KL* K0VM KB8GAE KG5VK N2YBB NJ7G | 1505 DM3PYA JE3MDQ JH3PAS KF2OG KT4AC WK9U YU3MAY ZS1C | 1500 AA4US AE4AN DF8FT IZ0MYH JF2SQB K1KI K1VI K4RDU |
| 1527 K1EO N3AO R7LP W1ASB WX0Z | 1520 DL2CC GU4YOX KY5I N6WIN SP3EPG WA3WZR | 1514 HB9ERU IZ0CKJ KJ4R M0TTB W9LN | | | |
| 1526 DS2BGV G4DXW JH1CML K8JJC OE5TXF UA9AGX | 1519 AA4FU G4AYU K7DSE ND4DX | 1513 AB1J AG1I | | | |
| 1525 EW2DZ G7SSE JF2ICB K4MY KE8G | | | | | |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| K5DB | 1495 | N3AIU | VA3AYA | 1470 | W5MO |
| K5VR | AK1N* | N5UE | VE3UTT | IZ8DUD | WB3BFC |
| N2KI | ON7DR | N6IG | W0YK | K8GT | |
| N5VYS | | W4PGC | WA3SKQ | KF0RQ | 1461 |
| N5XJ | 1494 | W8AKS | YL2CZ | NU4B | IZ0FUW |
| N7QU | G4AFU | | | W1LE | JA7GAP |
| NU0C | KI4TWA | 1486 | 1478 | WS1F | KN9P |
| OH3FVP | XE2YWH | DF7FC | A71AM | | |
| OK8DD | | DK8IZ | PY2OP | 1469 | 1460 |
| R5AK | 1493 | N7JB | | HB9CYV | K4TXJ |
| SM0HEV | JA3CMD | N8XI | 1477 | JM1ESG | |
| UT2VC | M0URX | W7HUY | W0IKD | K8AJK | 1459 |
| VA7QI | W4AEJ | | | K9DY | HA5UK |
| VE6SH | | 1485 | 1476 | KE5BR | K8JRK |
| W0PE | 1492 | DF9HI | LA4YGA | SM6WET | S50U |
| W2PA | JA2QVP | DM9EE | N2BI | XE1MW | W0VHF |
| W9PDS | K5NOF | HP3TA | W7IAN* | | |
| WA0JZK | N4PGL* | | | 1468 | 1458 |
| W17P | W1GF | 1484 | 1475 | DC8TS | K8CQ* |
| WJ0T | WW8RT | IK7YCE | G0SYP | DL5CT | |
| WO5I | | K0MFI | J11UHZ | N9LQ | 1457 |
| WV8DX | 1491 | LA9VBA | K7QBO | W4DTA | HB9HVG |
| WY7FD | DK3PZ | | LX2SM | WA7HQD | IK5EKB |
| YB1RUS | I8NHJ | 1483 | | | K6KR |
| YB1TQL | JG2LGM | 4X1RU | 1474 | 1467 | PY3VB |
| YL2BR | K0JN | JA3WMS | AA5TL | K8LN | |
| YO8CRU | XE1ILI | JE2VFX | IW2ETR | | 1456 |
| | | K6LPO | W2GDJ | 1466 | LU2AH |
| 1499 | 1490 | RU3UN | | EI4CF | PB9FN |
| JJ1OKK | JA6HUG | S57UX | 1473 | JA3MIO | W1EBM |
| K4IE | JE1NVD | W0OGH | DL0AVH | N9OY | W5MF |
| K5LY | VE3QAA | | K0BRO | UA7T | W5RDW |
| KF6A | W4PG | 1482 | KT8O | | W7VAS |
| N7ZA | | DL3IAC | LX1KC | 1465 | |
| SM5APS | 1489 | I0GKP | NX4TT | AB9M | 1455 |
| VE6TL | F9CI | W4KK | W9NJY | K5YU | AK6A |
| | IZ0COK | | | K7VC | ES1FB |
| 1498 | JR2BJE | 1481 | 1472 | KC4HN | JH1XXB |
| K4AU | N5OHL | DL4FCJ | CT1BOH | N4UFP | K2KIB |
| KA2CYN | N6YEU | SM0NUE | JH1APZ | N4WE | UT5IP |
| ON4LG | PT7YV | W2TX | JK1EBA | YB2MM | |
| | W0JMP | WB1ASL | LU2DSL | | 1454 |
| 1497 | W1LY | | N6AWD | 1463 | JA1NLX |
| JR2IMJ | | 1480 | W4WG | IW0AFS | JA1UPT |
| K5YG | 1488 | K0XN | | W1FC | KW4J |
| K8LY | CU2CE | K8ZH | 1471 | WB0ULX | W3IZ |
| | K8AJR | KX1A* | 4X4JU | | |
| 1496 | W6JTI | W4UW | DL4FDM | 1462 | 1453 |
| E73M | YO8RSL | ZL3PAH | DM5JBN | AL7LO | D2UY |
| JA8FKO | | | EI4BZ | DJ1OJ | G0MTN |
| JH1LAH | 1487 | 1479 | W8LR | JG1LRE | KD2SC |
| SM2OTU | JR7HAN | EI1DG | WB4VAM | NG0G | N4MIK |
| | LA8WG | JJ1KXB | | VA3HP | W5QP* |

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|---|--|--|---|---|---|
| WA4TII | 1445 EA1PP KJ4UZU NJ5N OZ9XU | WW5G | CT7AUK EA7AN JJ1LID OZ2ABI TA1L W1MJB W4HGW W4WJ | 1422 I4ACO KB4CL KM2O W9SE | 1413 DL6NDW JA5XPD LU3VA N6XT RX3BP WA2VQV WB5ZAM |
| 1452 EC7B KB4CRT KB7V W2SKI | 1444 DL2MIH JA0BOV JR4ABB K1KNJ KW1DX N3AE W4QG W6SIY | 1437 G4PVM TF3Y VE3BZ W0ZR ZS6KR* | 1428 DL9MEN N3HBX | 1421 CT1ETE CT1IW DJ4KW HB9DQD JA3AYU K0IO | 1412 K3DFL K7PO OK1FMX WN9O |
| 1451 AK7O JA2XLV JR3ADB K4IA KU9S LA3PK | 1443 N5DT PV8DX W8TM | 1436 AD7L DF1IR KK4CLY KT4O NY4G | 1427 EA2AA JF2SKV KF9AF N9DD W9UM WC1M WT9U | 1420 KM2L ON4CN UN7BY | 1411 AI9U |
| 1450 DJ5DT JA2BUR K2QMF K5OVC KI2D KT8D W4TUN W6FEL | 1442 EA1AZ K3VPZ K4NC KO4PY KP4N NN6L SP7UWL WA8RCK WT1L | 1435 A92IO IK5ZUK JK1JAS K1WO VE3FRR W3WH W4GF | 1426 9H1EJ JH1XFR M0HIH SM4GVR WA5KBH | 1419 A92AA JH6WHN JR6DM LA9PJA N7KDT W6SHY | 1410 JA1BON VU3CAU |
| 1449 DM5EM KP4DS KQ5M | 1441 DL2VFR K3HW K7PT* UR4QFP | 1434 CU3BL JH8WXF KE1R N4ST OZ6EI TF3JB WC2C | 1425 DL6NW HK4EI JA3BKP JH3PRR JO3WHB K0XR UA9FFV W2EQ | 1418 TG9AJR W5GJ | 1409 W1PR W5KFT |
| 1448 HB9GWJ K1IED* | 1440 CT1DSV JA8BOV NE5S | 1433 JA6SRB K1OYQ K3MM K7ORK W4HOG W6OPO | 1424 A61BK G3PSM JA1ERB N9LF | 1417 DL4ZAB NX9T PY3SB W8HB | 1408 EA2AGV G3VQO JA6XE JE3PCP JH7WQX W5SJ |
| 1447 AF3X IK0WMJ K9KDS W5SWV WA3GM WD6T WM4AA | 1439 DL1VDL KJ6Y N2XQM XE1EE | 1431 K5OO K8MVZ W4AO W5LUA | 1423 AA1M IK0ZIO K4MQM N1BZ N3FG N4NQ W5AP | 1416 AA9D JH1SOD JL3OUW JM1JZN N0TK | 1407 K3ATO K4SAF KM8AM |
| 1446 DS4NPL JA1PVX JA8ANQ K0QC K3SF KH6U N9HF YO9IKW | 1438 JA3IWB K1TKL NC2Y | 1429 AA4ZK | | 1415 AC2G VK2AAH | 1406 I0EKY KB0V KN7D N3WD N4VN N5TF NO0B W6DPD |
| | | | | 1414 JH5RXS W4AXL | 1405 AF4CD IK0TUM K6XJ |

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|---|--|---|---|--|---|
| LB5GI N1WON | 1396 DJ8WD IK1ZOF NG6R YO6HOY | 1389 DL6KWU I5YDO K5LC N0TR | K7WE KK4XL | 1372 AC4BT OE6VHF WB8IZM XE2B | 1365 G3KAF HA5OLA HB9ODP JA1PBV N2FY |
| 1404 AB6CF JH8KIY RN3QO | 1395 IU0ICA JG2TSL JH3HTD JI8XLD K2DH KS4V VA3IC W7KW | 1388 CT7ANG N1EK | 1380 KB9LIE N5XE | 1371 E70A EI5KO HB9ESS JH8LEY JJ1BDX K3JWI K4JPD K4RW K6JW K8WHA N2DXJ SM2LKW VE3TKI WB8EJN | 1364 G4ZWY JA1UOA JA2CGH K1LTJ N3KR W7PAQ W9GE WA8LOW |
| 1403 9H1AE AJ4F DL5KW JR1TNE | 1394 PY2DY WW7Q | 1387 JF1KML W5EC | 1379 F5IYJ I5GKS JA8EKU K6UXO N0IW N5HC ZL2CC | 1378 K9JE* UA1CEI | 1363 9A3NM K6EGF NX1P TA1AL |
| 1402 5Q2J IZ5EKW UA0SE W5FK | 1393 KC5PL KM4HQE NB3R RL3BZ | 1385 8P6SH JH1DSF K8WVA KG4JSZ N4QM WB4CW | 1377 PV8ABC PY2CP S59DJK W4DN W4PRO | 1370 KP3V | 1362 DL2TOS JA1TOU K3SUI K6JAT* PT7CB R3BB UR9IDX W4RQ |
| 1401 JA1DXA JP3OIK K0LU W4LEW | 1392 EA1BLA KA1CRP KB1DMX VE3CX WQ8T YB3MM ZS6IR | 1384 IK6ZDC JK1LUY RW3SU SV1IXK UN7BK | 1376 EA2BFM JA2LHG N0YO NA2R ND7K ON6ZV RA3CO | 1369 IONUM IW5EIJ K1ROA W4PGM | 1361 KM4A TA6N |
| 1400 OE1HHB W7NP | 1391 IW9DNI K2HT K7VV NI5G NY1V SP5GQX VK2GR W7AJ WB8FIW WX8C | 1383 F5EOT K4DET N7TP NU1T OE1JIS OZ7AM PP7LL | 1375 IZ7GXB JA7SFD KD2GC OV5O | 1368 N4LV NM1G PA5A SM0EUI W1GQ | 1360 4Z5IW DL1QQ HB9HIT JA6FEG JI1QIO RU3UR |
| 1399 F5AQB JR4VEV N2ED N4UA N9RD NA8W ON4EB WH7W WZ8P | 1390 DM3CW JL1BDI K4TR N8II WB1S | 1382 E73D JA4FKO KM7DX ON8VM W0RXL | 1374 AA2DT DJ9SO NI7F W0MS | 1367 G3VAO K0FF KB9AIT N4XU* NR4M SV2DSJ W6ZPL | 1359 OD5YA WA1NXC |
| 1398 HL1VAU K0SQ KC2STA KX7DX NW7US | | 1381 DK3TL | 1373 K1TWF W2PS W4TNX | 1366 HB9BEM JA2KQE K8GWU | 1358 EA8TK |

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| 1357 AB6Z CE3BT IK6RFQ JA1VRY K5CQT KC4GL W9ZT | 1350 AG6HE EI2HY EW4A IK2HDF JA0NFP JI1CYX K0QB K5EWS W4ATL | 1343 AA4EA AC6DD EA3HDZ G4VMX JK3GWT K4GHS TF5B W6HYI WF8R | K7CO SM2HWG | WZ4RC YB0AZ | WA3PTF |
| 1356 IK3GBG K5HTE K9SUH | 1349 K2QL N3AF W4QNW | 1342 AA8M DK8FS HK6P IK0PRG JA0JPD JF1JTQ VA3VET VK2HV W6VNR WB2GOK WD9Q | 1337 G4NBS IK0CNA K6DJ KD4OS KF8PD KG4USN | 1330 DL3ANK EA4S JR2ATZ K3LA OH3TY | 1322 DL6KVA DM1HR G6NHU IT9CMU IZ4VSD JA1BWA JA9FO JG1BOK JI1QQZ NR0T W4DVG W5JE |
| 1355 DL1USB HA5KFV HL3EHK K8EJ KI7HO WA6URY WB2KSP | 1348 AA7UN AK3E DL2VWR JA1ITJ | 1341 CU2AF I2KBD JA7QQQ JS2GFA PY2HH R9HBF W4UT WD8LTM | 1336 AB5YI KP3V* VU3WEW W3DQS W8VK | 1329 K1APJ KA1API KE4WI N4KM OE7FMJ W6HGF WY4I | 1321 DJ5EY HB9FAI K4LQ K4NST K7EKD K7PT KE4KMG R3QX |
| 1354 AA8KY DJ8SN F5MZE I1PLX IT9JPS IZ2EIH W4DCY W4WX W8SET WA5TXY | 1347 GW0ANA IK2GOQ JR0RBY K3BZ K6ME K8VD | 1340 GM4YMM HB9JNM IK5LSQ KB0EL N6VH | 1334 JH1OVY K7RR SM7DXQ W5TFW W5WS YB0DJ | 1327 BX5AA DG1NPM JA1PUK N7UJJ UA0APV W0IJN WR5Y | 1320 AF6PK DH4JQ JA1FVS JA2DLM K3JM PY8WW W1RG W6BBS |
| 1353 3A2MW HB9EXQ KG8CW W3DVY | 1346 EA3NY JA6JPS K5DCW VU2ABS | 1339 HB9PUE IK1NLZ K1OR KM5VI KP4DKE | 1333 IZ0GVZ K5GM KY4G ND6S S57A YO3HOT | 1326 AC0B JE7JZT W3TC | 1319 9A6T DL3ZH EA1EA IZ7EVZ RN5AA VE7VV ZS2I |
| 1352 JI0VIF K2CDJ KA3CRC NC4AA NZ9Z* S57AL WS4H | 1345 JG1IEF K7JH R7FF SP5DL W7XZ ZL2AO | 1338 9A9L* HA7GN IT9IPQ JA2JID | 1332 DJ6BN JG3WJN JH1HRJ K4KAL KA3GWD NA5S | 1325 OE1TKW SM1NJC SM5AKS W3NRJ | 1317 EA1KE F4WDL JH1CTV K7WK |
| 1351 HB9IJC | 1344 IZ3GOO K9HQM LU2JCW N5KA N5VR PY2ADR WA8VSJ | | 1331 G4DDL JA3KWZ JL1BTJ RA3SD RW4WD | 1324 K4MIL KI7M N0RR SM7BHM SP6OUQ W4WN | 1318 K0HQW |
| | | | | 1323 IW4CIL | |

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| KR4U N1SZ SM0W VE6SV | WB7BBQ 1309 JA3PRM JH2PWW JN1XNI K1WY K8ARY NJ0F OH1ECQ UB3A W1JMM YV5JGO | WG0G YB0MZI 1303 DL1SDH JH2NWP K0ABC K6GFJ W8PAT W9RB 1302 4X6KJ JE1CSW JH8XVT K2MHE LA5LT N9AVY W5HMK 1301 AA4MM JE3FOR JN4FNZ M00IA NA6JD OK2RZ 1300 EI7GY JE6UWU KJ7NO WU4B 1299 CT1AUO N1KX 1298 CT3BD N2SG N9OF UA3GT YB1AYO 1297 AB6L JA7JND JA9BEK TA2RC UN7TX WA6KHK ZL1ANH | 1296 CE3EEA KP4AA N0ACH NE8P W3KHQ WX4F 1295 G3GAF G4SGX N8TFD PA3FWV W2NY WB9DLC WR7T 1294 DK3FB KN6H PF7M W1PY 1293 IK2WPO SM2YIP YO2LLL 1292 F4DSE K8MRT N9NM 1291 AE6Y JH1EVD K3GO K9ZG W8FAX W9MAK 1290 BG8PA DJ2UU EA3NG EI3ISB N9MW UA1CGS VR2VAZ W1DAR 1289 KN9N | OZ7QB W0ELT 1288 HB9FAZ I5SDG JA1XQC K6RC K9JP KC2THY W8MSP* 1287 CT3BX DS4DRE EA6AZ JH3GRO KC4AA WX5L 1286 DJ2RB K2DF K6VV N5TU VU2MSA W3/NH7C 1285 7Z1SJ K0NV KG6B N4ANV W4CMM 1284 JA1TGO K0YL K1PTF K2CYS K5FXB N6DVR NN1SS Z34K 1283 EA1AUO K8DJC W2OL 1282 A71EM JH3LCU | JL1IHE JR7COH K9JDP K9MX N4SV VE4YH WW4LL 1281 DJ9CW KB2ZPB KB5IY KC9G KM4VI W0BM 1280 AD5MD JA3MNP JR2BYJ LB2EG NT9F W7GA 1279 EA7LS IK0PCJ JA3BG JA4VUQ K4GN K9KEU WA2ALY ZS1EL 1278 G0THF HK3CQ JA7KQC K6LD PA7MM W9OSI 1277 K7EV K7MY N3ER OE7SEL W6DVS 1276 F5TMJ I2LXA NY6C |
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|-------------|-------------|-------------|-------------|-------------|-------------|
| WB8RFB | JA9IWR | 1263 | W8SP | 1249 | 1242 |
| | JQ1PCX | HB9FAN | | CT1HHP | G6GA |
| 1275 | RN0C | IW7DOL | 1255 | EW7DK | IC8SQS |
| JA3UOQ | TF3VS | R6MO | JH1SWD | JA4CSJ | JA8DBU |
| OH1LR | W0ZT | WA7HR | JH4VDP | KK6T | K7RAN |
| UA4PT | W5WZ | YO2BS | NE5W | RZ1OK | NR8Z |
| ZS5LEE | WA9PWP | | W3HER | | W4AVY |
| | | 1262 | | 1248 | W9XQ* |
| 1274 | 1268 | 7J1ABD | 1254 | NZ0T | WA8Y |
| IK8OZV | EA5XV | JA9CGW | EW1LM | SV3RKM | WX0E |
| JL4CVG | F1JKJ | K1FE | K0UU | W8MRL | |
| K1BZM | GI4OWA | M3DFW | WC2L | | 1241 |
| K8LBT | I8PND | W0UVC | WQ5T | | JF3DRI |
| KB7AK | LB2TG | | | 1247 | JH4CPC |
| W2UB | PY2XAT | 1261 | 1253 | AA0FT | JL3JTD |
| | W4DWS | IK5BSC | EA1NK | JP1EWY | K1JX |
| 1273 | WF7T | K3TLP | JH8CFZ | N6ORB | VE7VZ |
| DL6RA | ZP9MCE | VK3OT | OH1LAR | UA6XT | W1NT |
| F4BDG | | WB8YTZ | PY5VC | W1DXH | |
| JS6QOM | 1267 | | WA9JOQ | WB2UFF | 1240 |
| OH3PYY | G3PLP | 1260 | | | JA1SZN |
| W3HKK | JA4HDO | IK2GAJ | 1252 | 1246 | K2FL* |
| | JH0CLK | K4IU | AB9KZ | AB6BT | KO6LU |
| 1272 | K3TRM | K9GY | K0KO | DJ9BX | KX6C |
| EA5GXI | K4ZMV | W2NWX | K2RNY | I2XIP | |
| HB9DRS | KC1ERO | | K5DNL | N0VD | 1239 |
| JE4WOK | OK1ADM | 1259 | KB4KBS | W1ECS | CE3CT |
| K4FDP | W2XX | DF3FJ | LU5FCI | | DL5MM |
| KB3LIX | YU1FJK | G3HSR | MU0GSY | 1245 | JG1JPE |
| NA5NN | | LA4JGA | SM4BNZ | 9J2BS | N9EAJ |
| SM5BFJ | 1266 | LA6ZFA | | JJ1JMZ | W4MPY |
| | GM1BSG | OK1MBW | 1251 | K0GEO | |
| 1271 | K1TU | SP3FYX | EA1WX | K2SZ | 1238 |
| DL7ACN | K4ZNC | UZ1WW | HL4RBR | KH6XT | 4X1VF |
| ND6G | KB2S | | JA7DPC | KQ5U | DL7BO |
| NS4X | NG4C | 1258 | K8OS | N7RP | JA0AVS |
| W5GVP | RU3U | F4CPF | K9BO | N7WI | KD5R |
| | US5CB | I4UUL | S51AD | VA3NXM | LZ1XL |
| 1270 | | JA2CPD | UA2CZ | W0CK | VR2PX |
| AA5SH | 1265 | JF7RJM | VE3VV | W4ARK | W6PG |
| DL2AMD | 9A2GA | K1XE | W8LIG | | WC4V |
| I0YR | AB2DP | | XE2AU | 1244 | WX3P |
| I4KYO | JH8NQV | 1257 | | A65BD | |
| JA6JYM | N2MEE | 4Z5FL | 1250 | AA5B | 1237 |
| R3QJ | | IK8TEM | AA6XV | AA7X | EU4T |
| RU3OW | 1264 | IT9VDQ | JA0HWF | IZ2MHT | IK2LOL |
| WM9Q | DL7AA | JA7DOT | KB8U | JR1EYB | IZ2USP |
| YB1BML | HB9Q | S51DV | R4FAN | NI4Y | K7STO |
| ZP6CW | K8CR | | SM3CZS | NN7X | KR0O |
| | W2EJG | 1256 | UR5WCW | | N8RF |
| 1269 | WG9L | AE4M | W4TE | 1243 | PY2AB |
| AF8C | | JE1CPB | | WA7RLL | |
| I1SOP | | VE3PJ | | | |

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|--|--|--|---|---|---|
| 1236 EI5GM JA6MWW JA7FVA N8KU OM0AST R2AB | JA1QOQ JA4OPW K0ZR KX9X N9QQK SP7MOC W2IZN WA2C | OK1UU W4EJG | HI3R KF5WCP N2WM WF4B | 1209 DF7GG EA5BD EW4C N6MA OK2FB WA9IVH | 1202 IW4EII JE7LHT K1QN K2RSK N8WD WP4CQ |
| 1235 EW7A JI2EMF K9AAN W6IZT | 1229 EA1AHA EA1K JA1IFD K3PH K4MQ LA7QI N0FCD N7TK W3JXP WA3IIA | 1223 AE9DX EI7JZ JA1CPU K4EQ K9IA W4DSM | 1215 CT3DZ JA1JMF JA7JM NK7Z NY7T W1MO | 1208 KJ9B KN4OK LA6FI N3ZP | 1201 CT3EE* HL5YI IS0/YO3RA JR6PGB K6EI K9AQ PW7T W4GH W6CN W7RN WA4YYM WW0E |
| 1234 AK9B JA4MEM JH0LME K4LRX K5VG K6RR KD0S VA7DXX W9GM YO3IPR | 1228 IK0OZD JA3BLN OH1XFE UR7CQ W7YED | 1222 K4NTO K5NV W5RY YO8PS | 1214 EA4EJP JA0BES JA0FLL N5RZ WB9IWN | 1207 DJ3CQ JL1JVT JL1MWI K5SES NM9P NS4F WB8EKG | |
| 1233 DL4HRM JH7HIQ JR3MTO K9UWY KA9UVY SA3CAT | 1227 JA9EEH JI1JPJ KC4PX NZ0O WA0BZA | 1221 JA1QVR JA3AOP JA6ATL KF8HR NA5YO PR7AB | 1213 AA5H JH4GNE JH8JWF JI1BJB K6VVA N9FH S57TA W4NK | 1206 G3YSX K7SO N0ATQ W4UR W5SV WA8LRW | 1200 AB5GU DD0VU JA7MAD JH6RTO ND0C/QRP OH5XB W7AAD YB4CHP |
| 1232 JE4RAL JJ1DJW JK2VOC JS2KWL K3CWF N8NH SM6CGI WB6AXD | 1226 DL3BUE HA5FA HB9DLE HP2NG K1GND K1PT PJ4LS | 1220 HA3OU JG1IIF OH2TA ON4CCN WA1HEW ZL3NB | 1212 AA2IL DJ0AH F5VML JA1AKL JO1QNO TA1PB UU2JQ W0MAN W1UU | 1205 K8YAH* | 1199 ES2IPA JA0TEA KF3N N2ZL N3RR WE2K ZS6C* |
| 1231 IK8PGE JA1PLT K1EDG LB8OH W2FKF | 1225 DL6WT W2FS | 1219 CU3HN JJ2PIK KQ9J WA4TMJ | 1211 I4FTU IZ3KNK K3XC OH3KAV W7JET WX0Y | 1204 G3CWW JA0GZZ JR4PMX SP6MAA WA9DU ZS6RJ | 1198 DK3HV JI1DMH JI1FXS KA5VFU KC9WPS PU2POP |
| 1230 DJ4DN | 1224 AB4FH JH4ADF K1WNT NX4D | 1217 DL8DWL EA5IAG VK7ZE W0VD YB0EIN | 1210 G0FWX JL4BSE LA1CO | 1203 JF7DZA JG1AID JH8DBJ KA7CVJ KD1AB KS4XQ NC7B ON4AGX SP1NEN | 1197 DS4DBF HB9ACC K4GM |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| K4OP | WD4IKI | N4WMB | 1178 | 1172 | 1165 |
| K5MO | | | 4F3BZ | JA4BUA | JT1CS |
| N4TZ | 1190 | 1183 | AA9WO | W1FZ | PA5CW |
| NW6V | DD1JN | IS0EBO | AC6T | WB2CLL | WA3WNT |
| RU0A | HL2FDW | K4RP | IK6IJF | | |
| | IV3BBR | K7MO | K1IB | 1171 | 1164 |
| 1196 | KJ5Y | N0LD | KT5V | 6K5AQY | JR1FHP |
| DL1ECG | W1BYH | N2RD | | DG5DBT | OZ9U |
| EW3CW | YT7T | N8WXQ | 1177 | JA1DIO | |
| JA6WIF | | VE3VGI | JH1EIG | KA3S | 1163 |
| JE2RBK | 1189 | W7LEA | RD8X | W4ASE | EA3HSO |
| SQ8J | AA9AA | W9FXA | W1HS | ZL2LW | JA3EUB |
| W3ATV | AF3K | WA9MAG | WO5D | | JE3OUW |
| W4CIR | F4GTB | WF4W | | 1170 | K1LEC |
| WA8IQF | G4YCS | YO9FLD | 1176 | K3SW | N3PV |
| | HB9HHH | | CT1DIZ | LZ1CY | N7FF |
| 1195 | JR1LZK | 1182 | IK2WSO | N2YF | NI8Z |
| JA7FSB | K0PX | HB9EBM | IZ3XEF | PA2R | W9FF |
| KE2M | K8TS | KD3UY | JA4DEY | VE3GYL | WC6Y |
| LA8PDA | | KI5T | JA9LSZ | VE3XO* | YO4NA |
| UN8GA | 1188 | N5KUC | KB8KIM | WN0L | |
| W2OSR | JG6CDH | W4HY | OZ1DSD | | 1162 |
| | KO1H | WM5H | VE7ON | 1169 | DL9GOA |
| 1194 | N3HYB | | W9LQI | 7N4OBV | JA2PTQ |
| K2RKJ | ON6MX | 1181 | | ES4AW | YO9GJY |
| N6VI | RW5CW | 4X1UF | 1175 | JS6SCC | |
| R2ARR | SP3UY | DF5DH | CU7AJ | K2FJ | 1161 |
| R5AA | | K4RMM | DL7XU | VE3XB | AA4OC |
| W5IO | 1187 | K9BQL | JH8LLE | | N8DC |
| | G3EKJ | N9IXD | LA1J | 1168 | UN2G |
| 1193 | JF1QQK | W4NF | LB7Q | IK4RQJ | W7BJN |
| EA5FCW | SP2DW | W5XU | N1RP | NE1RD | |
| IK5IFH | | | N8QGC | NT5O | 1160 |
| W3DIY | 1186 | 1180 | NT5A | W2KNG | AG5Z |
| WB3AVD | CT1EPJ | G8APB | W6NK | WB4M | DD0VE |
| | JH2KMK | IK6DEN | WN7S | | DM1DK |
| 1192 | | K2SG | | 1167 | F6FFR |
| AJ4HW | 1185 | KD9ZR | 1174 | 9A4BL | K0FD |
| DJ0IF | AB1QB | N5WNG | IK6CAC | I1FBJ | NZ3M |
| IW1CAB | JA1EYN | WO3Z | JA2AYH | IK2GAO | VE2NGH |
| JF1CPH | K0XM | | K6AWR | JF2QNM | |
| LU5OM | K8ESQ | 1179 | W4SKW | K1RM | 1159 |
| NC6K | N5YY | EA2RY | WA0PFZ | K4CSB | M0MCV |
| W8YV | N6KJ | IU4CHE | WE9A | KB9S | NT6AA |
| | | IW0AGX | | KL7RA* | RA3LAL |
| 1191 | 1184 | JA2HIJ | 1173 | N7TW | S51DD |
| 5P5Q | DL6ZBN | JR6LDE | AD0K | N9AZZ | WA0GUD* |
| DL8OK | HA8FW | K4RM | DJ3GW | NA4CW | |
| JH1CJQ | JA7MNF | UA3NFI | DJ3XD | | 1158 |
| K2GLS | JH8BOE | UA6FZ | JA6CM | 1166 | DD9WG |
| LU9DO | K4JGR | VK6OZ | JF1KIG | DJ6TK | JA2AXB |
| OZ9GA | K7YZO | W4GHW | JM1CMA | F8EZE | JA3AAW |
| W0SA | LU2DX | WX2CX | VU2DED | W5CWQ | JA3VUI |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| JH1BUO | W4BH | W8AAX* | WQ5C | 1134 | EA1T |
| JI1SVY | | WA7AVL | YE9BJM | IK0UUM | HC1HN |
| JJ1IRS | 1152 | | | JF2ERJ | JG8NKJ |
| K1YT | GM0NAI | 1145 | 1139 | K4ODL | K7KJ |
| K6SY | IK0FUR | DH5MM | AI4QQ | N3GS | KB8DID |
| W6IS | KP4JRS | JA5BZL | JE2VYM | VE3KKB | W4MC |
| WA7YAZ | KP4P | K4HEB | K0JJR | W7VV | |
| | N6FS | K9QA | K9YZ | W9HZ | 1127 |
| 1157 | OH2BC | KN8F | SP9PRO | | G3YFE |
| A71XX | VK4BUI | YU1JF | SV7CUD | 1133 | N1HO |
| DH5JG | WA1NLG | | W5MJ | AD4RE | |
| DK1AX | WA8NLX | 1144 | | SV3EXP | 1126 |
| F5VMN | | EA5DKU | 1138 | WA4AFE | W4KVS |
| IZ4ORF | 1151 | F6IMB | EA1IO | | W5HY |
| JA5CDL | DK7VW* | JA3RAZ | EA7DAP | 1132 | |
| JA7GDU | JH1AWJ | JE2FJI | I8DPP | JH1GNU | 1125 |
| K6OJ | KC2LSD | JE7BUH | IW1PUR | KK4MA | 7N2JZT |
| K6VHF | N5CR | JR1KAG | K8POM | LA3DV | F8GB |
| N7NW | | N4GBK | LA4RT | UA9JLL | IW2BZY |
| WD1M | 1150 | NA7RH | W4ATM | | JH8MZF |
| WU2G | JH8CXW | W8GU | ZS6NK | 1131 | JP1GVC |
| ZL3REX | KK8X | | | SV1IZY | K8RCT |
| | N4UP | 1143 | 1137 | YO5OEF | N2IC |
| 1156 | RM4C | EA5BZS | F6BLP | | SK5PZ |
| K1VSI | W7MD | ER1LW | JH0AKV | 1130 | W6LZ |
| K3WJV | | F8AMV | K7VL | EI5JL | |
| KM8V | 1149 | N6TR | KZ2R | IK2CMN | 1124 |
| PH7A | IT9DDS | R8IA | NN5G | K3RWN | EA8TZ |
| SP6DVP | K2HJB | UA9AEU | RA0LQ | KG2GL | K0MP |
| W1MRH | N8AID | W6MYN | | KJ6MBW | N1AAM |
| | SP5NON | WB9B | 1136 | KS4WA | N6DW |
| 1155 | | | AD4EB | N6XG | VE7NY |
| K6ASK | 1148 | 1142 | CP6XE | W3XX | W1ATV |
| K7JY | J11EIX | JH1HGI | JK1PEC | W4CC | W6AYC |
| N2CJ | OM2AGN | KA5M | K8CC | W8TOM | W8WRP |
| SP7ASZ | WB4KTC | OH2DW | LZ1MDU | | WB4PWZ |
| W4RS | | W1ES | N1RM | 1129 | |
| | 1147 | WA5YOM | RN3A | AK6I | 1123 |
| 1154 | DL4DW | | SP5ZCC | BD4SX | AC7ZG |
| I0KRP | IZ1JIZ | 1141 | VA3OKG | DF2UH | G4VWI |
| JN3ONX | JG1WNO | JA1SHC | VR2IL | DH8GV | I1LGR |
| K2OO | K0UBR | JA7MWC | W4HVV | HL4GHT | JE2SOY |
| K5CKS | K5WQG | KZ1X | W9KB | JA2THS | JO1ABS |
| NC1M | N0AB | OM3CND | | JH2MYN | K4VAC |
| WB9WHQ | UX7VA | | 1135 | N3OUC | KK5J |
| | | 1140 | EA7LL | N5BA | PY2FZ |
| 1153 | 1146 | DJ4JZ | HB9FUX | UA3LIU | WB2AA |
| EA1WH | DF3VG | DJ9FK | N2WN | W7AM | |
| IT9YOZ | EA7/LA9DL | DL1DH | RN7G | WM1G | 1122 |
| IZ0LNP | NC7M | JH8FIH | VA2MM | | DD0ZN |
| KD8FO | NG3J | K1BG | WA3YZD | 1128 | E20YLM |
| N1FOJ | ON7LX | N9RE | | AK4AO | JG7AMD |
| VA3YP | R0SR | NW8U | | DS5JMG | JR2HRR |

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| KB4EE | K9KU | JR1SLU | 1104 | XE3E | N1DC |
| KB7QFE | RJ6J | PT7NK | K7MH | YO8DHA | TA2AD |
| KI0HA | US3IZ | | N7EO | | W9KX |
| KO4PRE | | 1109 | OZ6TL | 1099 | |
| SV1AOZ | 1115 | K3FT | W0HBK | F5VHJ | 1094 |
| UA4ARL | EI4HH | RT2O | W9BB | IZ7GIT | 8P6ET |
| YB9AY | IZ5BYJ | RW6MBC | | JH0IEW | IZ0HTW |
| | JH3EQP | | 1103 | JH1FRW | LU1FM |
| 1121 | JI1DCW | 1108 | AK1P | K2GW | N5RP |
| IK0XKP | KG6WIK | AB7RW | DJ5KL | KK4ODQ | W0CO |
| OG1R | KI6MQX | AC8L | IK5XLB | N0RQ | W0YBS |
| YO9FFX | LA7MFA | AD4XV | JA8NSF | YO4PX | YO8OY |
| | W0ZX | AJ4IM | JL1QDO | | |
| 1120 | WJ1B | DL3NM | NC4RY | 1098 | 1093 |
| EA6BB | WO6T | N1CC* | RN3TT | AC8TO | DK1MM |
| JH1LZU | | VE9VIC | SM6TKG | CT1EGW | EI6AL |
| N3YZ | 1114 | W3UTD | VE4GV | DJ3EJ | I0BJV |
| W0UY | JA4DLF | | | E72AD | |
| W1RZF | JG3KMT | 1107 | 1102 | IZ2CSX | 1092 |
| | KA4H | DK2GP | DS4CNB | K2UT | G0UII |
| 1119 | KE1IU | EA1AA | F8DZY | K4OTV | KD2OV |
| AB4H | KK4BZ | JF3AHI | K3NW | K5YAA | KS4Q |
| HC1HC | W9AP | K1KU* | KO1I | KA8YYZ | N4WD |
| K9UO | | K6IRA | KO6UW | N5RN | ON4VT |
| OH8JK | 1113 | KE3ZT | PA5O | PA1MVL | |
| SP6BXZ | DK4MX | N4KEB | VK4OQ | SP8MVC | 1091 |
| WN1M | DU1KT | N7GVV | | SV4FFL | EA5ZR |
| | G0OSK | VE7ACN | 1101 | VE3EDY | G3XVF |
| 1118 | LU1HLH | | 9A2WJ* | | JA4XHF |
| DL1MAJ | NT9E | 1106 | AB5RM | 1097 | JA7LMU |
| JA1CC | UA4CX | G3PMR | IT9RDG | AD6KQ | JH6JMN |
| JR0GXA | W4PJW | K0KM | IZ3DBA | AG8L | K4YL |
| N4VAN | W5TUF | K2UF | IZ6ELF | HB9ECS | KR4DA |
| N5EKO | WF7B | K7IA | JH1URT | JE3CYW | W0QL |
| NZ7Q | | LA9KY | LU7HN | JH7XPW | W1MI |
| TF2LL | 1112 | PA2TMS | N2SU | K0YY | W3MRL |
| | DL6DH | RT0Q | W1XK | K5TDA | |
| 1117 | IK5ZAJ | VU2NXM | | N9EN | 1090 |
| AA2WC | JL7BRH | W0QD | 1100 | R3LO | CT3FN |
| AB9YC | JM7TKK | W2ZQ | DL7LX | | DJ6HR |
| I2DJX | KN4FO | | EI9E | 1096 | DU1IVT |
| JF3VEC | N6RVI | 1105 | I0ZUT | AD9DX | EI6JK |
| RX3X | W5SG | DJ3AK | IK8IPL | JA0HXV | K3IXD |
| SP5AMN | | IK7MXB | IV3IYH | K4CA | K4WJ |
| | 1111 | IV3NVB | IZ5GST | N5UM | UN6TA |
| 1116 | K0MLD | IW7DHC | JA3KKE | RG7G | |
| DJ7AO | K2IE | LB8CA | K4IJQ | WW5L | 1089 |
| F5JGA | W4CZ | UN7ED | K7PTC | XE1RCS | AC6ZM |
| IT9ABN | | VR2ZXP | K7QA | | JA8AWR |
| IZ4COT | 1110 | W9VA | KG8V | 1095 | JI2UDK |
| JA4OIJ | DL1CF | WB5TOI | KH6DX | A35RK | JR1QLM |
| JA8ALB | IK6CGO | WO7V | VO1NA | JH1BHW | N9AI |
| JG2KKG | JA4GCF | | WA5YNB | K3UW | OH2ID |

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|---|---|---|--|--|---|
| UR6QA W2GGY W3MS | KX4I VE2OWL W5QZ W9MDB | VA1SEA W0RI* | M0IFT N7PIB W1WN W8EOG WA4VJK WB6RAB | UA9UX W4GV W4HPW YU1NR | IK1AAS JA1DHY N6XI |
| 1088 AA2VG AA5VU* EA7OH G0HSA JA1DJO K0OB K4AVU KS4L MM1PTT PF1MO | 1083 DL1ASA DL9ABM HG6IA IZ0FYW K0TI UX7IN W4DFU | 1078 DL4KUG EI4DQ JA2SEQ KI0KN SM7CZL YB1IQE | 1073 G3VSQ JA1UWB JF3GFH K2TA K6UIP LA3SG N2MFT NE3K RA6WF W1DDD W4AFB | 1068 BW2/JP1RIW CP4BT JA3EGE KB8NTY N1BKB N5DI UA0LDW | 1063 DL1DCT JF7PHE K7GA KB3MXK N2BSA VE6PL WN9Q |
| 1087 JA3DBD JM1GAW KA1BQP KI4YY N3NO N7LAN N7RVD NB2P PY5JO SM3DTR | 1082 4Z4OQ JA2QPY JE2DJC K4FK KD8MQY N4QK OR4K UA4HAD UA4HDB W6MVW WB8YJF | 1077 AC0DQ EA4TX JA2HOL JF1CZQ K4BBH K5MMH N6ER W1JFK W4WNT W7IMU WD4EGF | 1072 DL3NCR IZ8BRI K0HB KF8N* LZ1JZ N1UZ RV3DB SP5GQ W5PD ZS2ACP | 1067 JA7EU K9WZB KS0T LU4DXU N9JF OH3DP OZ7BQ SM5AFU W0JW W1TYQ W4MBD W8QXR W8WV | 1062 JH3MHI W1WEF W4KCM W7SYK W8ZR |
| 1086 ER2RM JA8DRK JG1EIQ LZ2TWY W4JDS W7WRJ | 1081 K0FG K8FB MM0BQI SM5CCT W7JWM WW1WW | 1076 AD7XG AG4TO HA2ESM KB5CSQ OZ3ABU TF1A W1ZZ XE1AE* | 1071 KJ4FZ LA2RZ M0VCB ND9M NK9O VK3MB WA6QGH WI4R | 1066 AK4PR IK1DFH IT9RWB JH3LIB K1TO OK1DO ON6LY W3ZQI | 1061 F8DQL G0MMI JH0NBN KA4LBD LA9SN NF4J NZ5F |
| 1085 AI7W DL9SAD JN1RFY KD3TB LA2LI NN8L SV1JSN W4OWY WA9IVU | 1080 EI9CN HB9FBA JK3NSD K6EV KG7CW N6JM NR2D W7PC | 1075 AC4CA DL5SDB IK5QPS JA5XWB JJ2SEE K0AFN K1TN N5OP N7NF NN4DF PA5KT W1USN YB2IQ | 1070 JA7GZM N3PPH NG9J NJ9C NR0Q XE1GLL | 1065 DL1ZBO EA4BHK JA8WGX K8YFM LA7NO N4DJT N4UW W4MOT | 1060 EI9HX G4GEE IK4PKL IZ1EPM W5IP W9IM |
| 1084 AA4QE DO4DXA IZ4IRO KB4FB KJ7WY | 1079 AD7KG CP6UA IC8TEM IK6IHN IZ8EYN KV2S LU7DW | 1074 JA5ALE JE0EHE KC2ATK | 1069 N0HJZ SM3OMO | 1059 DL0UM K5AX KI0G LA1FH SV1PIZ YL2CB | 1058 9A5MI JA2BL K0WK K8TE KE9UA N6JOJ SP5U FK |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| SP6QM | V47JA | DM2DXG | 1042 | VU2SWS | K5JF* |
| VK2DAG | | K0GVT | AB4ZT | W7GSV | KU4A |
| W4BR | 1052 | K3ZK | AG2J | YE1AR | M0RTP |
| W6QO | IC8XIL | KD5RBU | JF2UEE | | W9COS |
| W6RA | IK2QPO | KF6E | K1ETA | 1037 | |
| WM4D | K9WMS | LA2RR | KB8ZUN | IK5SRF | 1032 |
| | N4IDH | M0PCB | S52R | JA1MOH | 9A1A |
| 1057 | SP6FXV | N4LSJ | SV1HAK | JA7JAA | G4DYA |
| N6TV | W3PT | N4UC | W7BC | N4CO | LA8ZAA |
| OL1HQ | W3ZL* | N6IBP | YL/RG5A | NE6V | N0SL |
| W5MT | YB2BOB | OH2ECG | | W4GHD | |
| W6PH | | V31MD | 1041 | W4GKR | 1031 |
| | 1051 | VE3GFN | A92BE | YU1LD | 4O7CC |
| 1056 | G3VXJ | | DJ2TG | | IK3XJP |
| 7L2QAD | IK2RLS | 1046 | HK3VHZ | 1036 | JO3MXH |
| JE1COB | K9JJR | AB4EJ | IU8GNY | DL2UR | K1JE |
| JO4JDU | K9NS | DL2MWB | JG2NLN | IZ2IPF | NX7K |
| K0GK | KB0FHP | JK1BIB | JM3XZC | JP1LVI | OZ1NF |
| KC4LZN | N2TC | KU4GC | N7WR | K2QE | |
| N0PFE | | N8JK | NI0K | NN5O | 1030 |
| N5JC | 1050 | R6AZ | W5HD | UN5GM | AC9A |
| ZS4JAN | J11SAI | VE3FAC | | UY0MM | F5DBT |
| | JR2BNF | W4ALF | 1040 | VU3NXI | JA6COW |
| 1055 | K0MB | W6INO | 8P5A | W0ZA | K6VVK |
| AJ6V | K0SON | WB9MSM | AA0BH | | K7WA |
| I8NLC | KX2B | | AE4VJ | 1035 | LA6VQ |
| IK2ULM | NJ4V | 1045 | DK4SR | IV3DXW | SV1DVX |
| JA2LWD | W8RHM | HR5/F2JD | K3MI* | JA6NEJ | |
| JG1GJH | | IZ1UKF | K4LCP | JA8DIV | 1029 |
| LA4URA | 1049 | JA1JQM | KE5MMT | JE1TNL | CQ0ODX |
| PT2ND | K5UN | WB8TGY | LA9L | KA9JCP | DL6SAK |
| UU5WW | N3COB | | NC8I | KR0I | DL7UCX |
| W7KKC | W3EP | 1044 | NO2C | RI1FJ | IK7XNA |
| W9BWR | WV1X | DL1TPY | UT4ZX | VE3SMA | IZ6IOC |
| WB4OMM* | YO8WW | HA8UT | W2RDS | W3TA | KH2X |
| WD4NGB | | K4ZW | | W6VIO | W2GHD |
| | 1048 | M0AQM | 1039 | | W6HB |
| 1054 | AA3R | UA3EAY | 3W3B | 1034 | |
| EA4OR | EA3CWK | W2BCC | 9A3QO | JA1JYS | 1028 |
| JA0CRG | EI8IQ | WD5IYT | AC0W | K9AAA | IK1RKN |
| JA4EII | F6FNA | | CT7ABD | LZ1PM | JP7SOZ |
| KB3KJ | IZ1POF | 1043 | GM7NZI | WA1HXH | K5WE |
| N4NM | JK2XJE | DF1TJ | K9IO | | K6GCN |
| NN2D | KH6CQH/W7 | G4WGE | KB8DRK | 1033 | KD4EE |
| SQ6SZ* | N1GFV | HL1XP | KX5M | AA2T | W4SW |
| TA3J | NC6RJ | JA1HQG | NF8J | AE0MO | WA6APQ |
| ZL1AIX* | NR5O | JH4EIY | NQ4A | AE4WG | WB9TFH |
| | SM7GXR | K1GW | PT2BW | EI2II | YB3OSE |
| 1053 | W4ZV | K1XH | | JA1VDJ | ZS6X |
| 7N3IJT | WB0RUR | KM4CQG | 1038 | JJ2NWI | |
| EI5GSB | | N6ZM | KT1V | JR4DHK | 1027 |
| K6OHM | 1047 | NT4K | R3QF | K4FW | 4K9W |
| KY6AA | AK0MR | SK6QA | VA1CHP | K5GZR | DJ9HQ |

| | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| KG4VPC | N7YQ | 1018 | UT3KW | SV2SIF | G3YBY |
| W5XG | RA3T | EI4GNB | W2LPL | WI0E | JK1OTP |
| WD4OHD | WI9WI | IW2CAM | WB2MKX | WU7X | K0ARM |
| 1026 | WU1U | K4HR | 1013 | 1009 | K4AEN |
| DS2GOO | 1022 | K8UHL | AF6O | 9M8DEN | K5AR |
| JA5OP | EW3MM | N3BK | HB9RE | IZ7QSS | KB5WWW |
| JA8BZL | G4CWD | N3GTG | IZ0GKB | JE4MHL | KF5BA |
| K3DQB | I0LTX | NL8F | JA1UBZ | JL1KBS | N5KDV |
| N3DV | K4BYN | OZ4RT | JK1DDQ | K4DXA | NH6Y |
| UA4Q | KF1P | R3LC | K5HX | K5WL | PV8RR |
| UX4UM | N9AVC | VR2CO | KA5IAU | N1XL | RW4NJ |
| VE2WY | OH2BUA | W4LLP | NA6XX | N2IFA | W7RJR |
| W2WGK | V31CQ | WB9ZNZ | PY2YW | R3TKM | 1005 |
| W6WRT | W6OZI | 1017 | R7KW | W1RH | DJ3CJ |
| WX4W | 1021 | IZ0COI | SP3WKW | W5AAJ | DL8XDA |
| 1025 | DL1SWN | JA1GLE | VR2CC | WD9FLI | GI4SJQ |
| AC1O | DL7VSN | JA3ALY | 1012 | WM5DX | JA1FVE |
| AE5FM | F5TJC | K6VWE | JA1UXV | 1008 | JN3XEZ |
| DS5BRE | K4VX | KT6AA | JH1KIM | JA2CKK | K5FO |
| G0KRL | K6SS | RA3AOS | JL3RNZ | JG4GZK | KJ2U |
| NT5EE | KC0V | 1016 | K7LAY | K4SBZ | KR9A |
| RL8C | NA9L | DS4AKP | RA3AA | K9CHP | N3EEN |
| RV6ARZ | OH6JKW | EW4DX | RD3BZ | KL7XO | NJ6K |
| WE8L | W2YWC | F4GDI | UU1JA | RA9SAS | PA3AIN |
| YB9WZJ | YB2BNN | HB9DPO | VU2OT | SM0DGW | SM7WVZ |
| YV6BTF | 1020 | JJ1REU | 1011 | W3GP | UA9AM |
| 1024 | E70X | K2KQ | AC7JM | W3LJ | UT9LC |
| CT2GZE | JE0HUR | K9RZ | DL2RPN | W6LJS | W6DOE |
| DK6WL | JH3FCF | N5ZY | JA1PLL | WB5KSD | 1004 |
| HL1MKT | K2KNB | W2PSU | JH4NYG | WX2K | CX9AU |
| IZ8DDP | K2WR | W7CQQ | JR3DXJ | XE1V | DS3EXT |
| JA2LMY | KB1YNT | W9JOE | K3OK | 1007 | JQ2NBX |
| JI5RPT | LA4EI | 1015 | N5XUS | 7Z1CQ | K0AIZ |
| JP1QDH | S53X | JA2QCX | OH1HAQ | JF2RSF | K4LD |
| K6PBF | VE2ACP | K4NI | W0OVM | K1UM | K7UW |
| KV7N | W2PD | KI4FSI | WW6G | K2TTM | K8JRM |
| LZ1QN | WA8JBG | KL7KK | 1010 | K4RWP | K9IJ |
| N4GOA | 1019 | N6TW | CT1CQK | K5XM | K9MRD |
| N9GKE | DK6BT | W1RCR | DL9ZAL | KA2F | LU7HF |
| W3OP | G3AKU | W7CB | EA9AM | KR7RK | N2JT |
| 1023 | G3WKL | 1014 | HZ1GW | N3JON | OH2CLX |
| 4X1EL | HB9HFM | DK6CQ | IW8CGX | N8YQX | S53BB |
| AC2RL | JH8UGL | DL9QJ | JA6CMQ | RN4AM | VU2AE |
| F6FFA | JJ0PJD | EA9LZ | JA6SUY | VE3MDX | W5EW |
| IN3TWX | JL2ULM | K1NOX | JK3NQV | WA0GOZ | W9KM |
| IU4AZC | KB1AWM | KG5EG | K1QQ | WF5W | WA3KVN |
| JA1MZM | NX3A | KV8P | K4EZY | XE1SAX | 1003 |
| JA1QDB | P40P | NW8F | K7UPJ | 1006 | AF4Z |
| KI6PG | | PT2CSM | N2BEG | DJ9KV | DF5BX |
| | | | | | DJ3ZF |

E29TGW
EU1TT
IK1RLI
JL1EEI
K8CJY
KC3D
LA4HC
N5FEE
N7JP
N8IK
NC3O
NK2H
OK2MDC
RA0AM
W6ELI
W9GFB
WA8COB
WA9LEY

1002

7L1UVF
AD8RL
HB9FKK
HB9MXY
I0ZYA
IN3FCK
JJ1HLL
JS1MRA
KX7L
N4WOT
N4XC
N8KOJ
OH8NW
SV3AGT
VE8EV
W1CDC
W6JH
W9CY
WX4B
YB1MIG

1001

DB2WD
DH2ID
EA1BP
EI8JX
HB9GZE
HS8HEX
IX1CLD
JA1ASO
JA5RVN
JK1NIU
JN1SUT

K3HPA
K6DLB
KB7AZ
KG4URP
LA8IB
N3AS
N3DD
N9ATD
NJ1Q
OH1TSM
SP9IZV
VE3FK
W2/F2YS
W2HDI
W7GTF
W9MB
WM6Q
WV8EDU
YL2CP

1000

AA4IB
AA5TA
AE4S
AI1W
DB9CR
DL1DV
DL2DCX
DM6MA
E25KAE
EA3AGY
EA3HPX
EA4EQD
F5ELL
HB9ARK
HB9CAT
HB9TKB
HI3I
HS8KAY
IK6TOT
JA0RWF
JA1WIO
JA2KAK
JF1MUI
JF3KOA
JG1EBU
JG1TFC
JH4MJO
JR1HYA
JR3PKO
JR3RIU
K2RAS
K7HV

K7LOL
KA5JSM
KA5SYP
KA6RWL
KB3HHA
KB7PKC
KC4ES
KD0BQS
KW1X
KZ5D
N1GNB
N4LS
N4PAJ
N4VG
N8BK
N8JS
N8YO
N9APK
N9ATF
N9NFT
NA9J
NO3U
NS0Q
OH7HM
ON5UJ
PA5X
PP6ZZ
PV8AAS
RA5C
RM6LW
RT3I
UA3DUJ
VA3EJN
VU2MB
W3ENM
W7GF
W8GJK
WI2E
YB2TJV
YO5QAW