

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 11 Jan 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 | 3206 IK4WMA | G0JHC YU1FW | 3163 SM0AJU | 3144 JA3FYC | 3125 IK8HJC JF2MBF SM3EVR |
| 3277 HA0DU | 3205 OH2BU | 3182 K5UR | 3161 WB9Z | 3143 K4CIA | |
| 3255 LZ2DF | 3204 KJ9I W4DR | 3180 GM3POI W1JR | 3160 CT1APE | 3142 SP3E | 3124 EY8MM GM3YTS JQ3DUE |
| 3253 CT1EEB | 3202 DJ6RX | 3178 W9ZR | 3158 DL4MCF UT5UGR | 3141 JA5AUC K2TQC | 3121 IZ0AEG VE3EJ |
| 3249 JA1BK | 3200 OH3SR PE5T | 3173 IK4DRY W3LPL | 3157 9A2AA JA4LKB | 3139 SP3EPK | 3120 W3YX |
| 3248 SP5EWY | 3199 N4WW | 3171 IK1GPG JH4IFF | 3156 9A7V JA5EXW | 3138 OZ1BTE | 3119 OK3GU |
| 3244 UT7QF | 3197 EA6SX K8MFO UX0UN | 3170 JA4DND | 3155 K5RK | 3137 HB9BGV | 3118 N8DX |
| 3239 4X4DK | 3192 I4AVG | 3169 OH1XX | 3154 JH4UYB | 3136 PY2XB | 3117 I0WDX |
| 3236 DF3CB | 3191 G4BWP N1DG W1NG | 3167 OE6IMD SM6CVX | 3149 G3KMA NN4T | 3135 N4CC | 3116 N0TB |
| 3223 OZ1LO | 3189 IK4MGP W3UR | 3166 SM3GSK | 3148 PA3FQA SV8CS | 3134 CT1EKY | 3114 IK6DLK |
| 3221 JR2KDN S50A | 3188 F6BKI | 3165 I4EWH | 3145 UR0MC | 3133 IK4GME OG2M S58T | 3113 SM6CMU SV1FJA VA3DX |
| 3214 DJ9KG K4PI | | 3164 N3XX | | 3132 JR3IIR | 3111 OH1MA |

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|---|---------------------------------------|---------------------------------------|--|---|--|
| SM5CEU SP2FAX | 3093 JA2JPA W7UT | 3071 KD5M SL0ZG | 3047 G0DQS G4PWA | 3031 JR7VHZ N2TK | 3018 JA3EMU |
| 3110 DL7VEE OH1ND WD5COV | 3092 JG3QZN SM5AQD | 3070 YO5BRZ | 3046 JH2FXK OE2VEL SP1S UT7UJ | 3029 S51DI W4TO | 3017 OH1LEU |
| 3109 SM3NRY | 3091 F6AOJ | 3068 N0XA W8UVZ | 3044 N9IW | 3028 AG9S DL1AMQ G3TXF I4LCK JA5AQC T77C | 3014 EA6NB HB9AMO K5DU UA4HBW UT5JAJ |
| 3108 I5NPH | 3090 EA3A SP7VC | 3067 IK6FWJ | 3043 DK5WL K1CP | 3027 EI7BA IK2YCW | 3013 R7LV SM6CCO |
| 3106 N2QT UT3UA | 3087 ON4AOI SP9DWT | 3066 JA2VPO | 3042 JA1UQP YO9HP | 3025 KW9A N4CH | 3011 JR3GWZ SP5DIR |
| 3105 EA5BM ON4IQ | 3085 DK5PR | 3065 SV1RK | 3041 HA8IE W5OZI | 3024 DL5DSM F6BEE JA2FBY LA5IIA N6AR | 3010 F5NBU OE1WEU |
| 3104 OE3GCU | 3083 IK4CIE | 3064 NR1R | 3040 DJ2YA K9CT | 3023 VK4MA | 3009 AA1QD F6EXV K4SO N0AT SM4DHF |
| 3103 G3XTT | 3081 9A2EU | 3060 K4MQG | 3039 WK3N | 3022 AA6YQ DL2OE K0KX K8PT N4RJ OE5KE | 3008 JA2JW JA2WYN RW2A |
| 3102 PA0WRS S59Z | 3080 9A1CCY KF2O W0BV | 3058 GM0GAV SP5CJQ | 3038 W4PK | 3020 JA0DAI N5KD W3CC | 3007 SP2GJV |
| 3101 AA7A DF3GY G4CCZ IZ1ANU JE6KYA | 3079 YO3APJ | 3055 W2YC | 3037 G3ZSS | 3019 JA7QVI N7NR UT9FJ | 3006 DJ8NK JJ3PRT R4GM SP3CFM UT7UW |
| 3099 LY2IJ | 3078 N3SL | 3054 JA1HGY W5ZN | 3036 SM5KNV | 3005 HA5WA K8SIX | 3004 EA1DR |
| 3098 NJ6P | 3077 DF4PL HB9BIN | 3053 JR6EZE | 3034 JA5MHD | | |
| 3097 IK5HHA JH1GZE | 3075 K4DY SP6CIK | 3052 K4XP | 3033 N2LT UB7K W9RPM | | |
| 3096 W4DXX | 3073 K3UA | 3051 OE6MDF | 3032 OH5KW SP8NR UY5ZZ | | |
| | 3072 AA1V | 3050 VE1YX | | | |
| | | 3048 N4BAA N8RR UX1UA | | | |

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| IV3JVJ | VE3XN | 2970 | 2954 | 2936 | 2922 |
| | W4UM | DJ5FI | N8PR | JA0CRI | DK1FW |
| 3003 | | K9EL | SP8AJK | K4MWB | K1AR |
| 9A5CY | 2987 | | | | |
| CT1IUA | K1HTV | 2969 | 2951 | 2935 | 2921 |
| OE2LCM | N4MM | JA6BZI | K1ZZ | R3OK | EA4KD |
| OH2BCK | | JH1IFS | | YU3AA | K9ZO |
| PY2BW | 2985 | | 2950 | | |
| | VE2TZT | 2967 | IV3ODE | 2934 | 2919 |
| 3002 | | JH1HGC | | OH3BU | DL1DUL |
| JA0UUA | 2984 | N3NT | 2949 | | K9NU |
| UX0FF | JA7MSQ | | JA0EOK | 2933 | |
| W1YY | K4QL | 2965 | JA9CHI | CT4NH | 2918 |
| | | JA0FSB | K5EJ | DK2LO | KA9CFD |
| 3001 | 2982 | K3FN | K5EK | I8IGS | |
| G3SJX | K5KC | K4SV | N7RT | | 2917 |
| JF3KON | K5XI | N4II | OK1MP | 2932 | 9A2NO |
| KY7M | | W3LL | | HB9BZA | IZ1BII |
| N5DG | 2981 | | 2947 | RA3DX | K2UU |
| SP7GAQ | F6DAY | 2964 | FK8CP | | |
| US4EX | | DJ0MDR | W0VTT | 2931 | 2916 |
| | 2980 | SP3DV | | F2JD | EA3GP |
| 3000 | JJ2LPV | | 2946 | IK5MEN | |
| 5B4AGN | N4XM | 2963 | K9RX | JA3PIS | 2915 |
| AA4V | | JA1XEC | | UA3AB | W5XX |
| F5II | 2979 | | 2943 | W7AO | |
| F5UKW | K0IEA | 2962 | JA2DPC | | 2914 |
| I5KKW | N2WK | JA2IVK | W3KX | 2928 | OM3DX |
| JH4ADV | N6JV | YV1DIG | | DJ4PI | RU3FM |
| K2FF | | | 2942 | IK5ACO | |
| KX4R | 2977 | 2961 | W1TSP | JA2FJP | 2913 |
| OK6DJ | K5ESW | MD0CCE | | RA7A | OE8RT |
| US5WE | | | 2941 | | ON4CD |
| W3DF | 2976 | 2960 | N4JF | 2927 | SM6CNN |
| | EA5RM | W9IXX | N5ZM | EA6VQ | |
| 2998 | S53R | | | K1ST | 2912 |
| K4UTE | | 2959 | 2940 | | K4HB |
| | 2975 | K4IQJ | JH1TWT | 2926 | NK1K |
| 2996 | NI0G | UA3AKO | K5BG | K0SR | W8AV |
| W4VQ | | | W1GL | RA3CQ | |
| | 2974 | 2958 | | UA4CR | 2911 |
| 2995 | OZ3PZ | JA1SYY | 2939 | | AB3CV |
| UA4CC | | | IZ8FFA | 2925 | CT1ILT |
| | 2973 | 2957 | | AD5A | K1UO |
| 2992 | JH0INP | K2UO | 2938 | HA5AGS | |
| DJ4AX | WX4G | | HB9RG | IK6SNR | 2910 |
| DL7MAE | | 2956 | K0EU | N5AW | K4XO |
| | 2971 | RZ3AM | OZ8BZ | | |
| 2990 | IK4DRR | | W6XA | 2923 | 2909 |
| G4OBK | JA2JNA | 2955 | | N9US | JA0GJJ |
| | UA6A | JH2UVL | 2937 | OE5NNN | |
| 2988 | | NO8D | JL1SAM | | 2908 |
| JG1ULJ | | | | | HA1RW |

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|---|---|--|--|--|--|
| K8FL RW5C | W0MHK | JA2ZL N4PQX N8TR RW0LT | KN4F RY9C | K4ZYU | 2839 K2VV |
| 2907 DL1EJA | 2892 N4NX OZ1AXG | 2877 SM3VAC UR5WA UX1AA | 2865 UA3DPM | 2851 W3NO | 2838 SM4EMO W1DIG |
| 2906 EA3JL OZ4O UA3TCJ W2IRT W6UB WB6RSE | 2890 OK1CF R5AJ | 2876 JE2LUN SM6CTQ W1RM | 2864 A45XR | 2850 JH1ECG JR3VXR SP3CGK | 2837 DL6ATM NY0V VE1DX VE3FF W5TCX W9OP |
| 2905 PY5HOT WA7NB W18A | 2888 N8JV | 2875 JA1ANR | 2862 AA1ON K3WW R3AW | 2848 N5UR VE3LYC | 2835 K9YY UA1OIZ |
| 2904 PY5EW | 2887 JA6LCJ JF1PUW | 2874 OH3JR | 2860 IT9JNR YO7LCB | 2847 N2TU | 2834 R7NW SM3NXS VE3EXY |
| 2901 I3BUI IW1ARB JF8QNF | 2886 JO7WXN K6ND OH5VT | 2872 JA8EAT K4HGX RA4CC | 2859 HL3IUA JA1EOD LA7JO N4DB | 2846 IK1YED KF0QR R7DX | 2833 E72A K1DG |
| 2900 9A2F EU7A IZ1LBG JF4VZT K3UL | 2885 KV7K OH1TV | 2871 JA7JWF N2NL | 2858 HK3W LA4GHA SM6DHU | 2845 JF2UPM K8ZTT R9FM WA4FFW | 2832 K5ZK |
| 2899 W1CU | 2884 K4CN | 2870 EA1YO ZS4TX | 2857 JA4FKX JI4POR UA6MF | 2844 JA1SJV UA4LY | 2831 CT1FMX DK2NG JA9LJS |
| 2897 OZ1CTK | 2883 SM5CZQ | 2869 EA5BY JA2XYO JN7FAH SP6HEQ | 2856 K9NW OH2BLD W9RN | 2843 W1ECT W8GC WP4U | 2830 4Z5CX K9EU UA3AP |
| 2896 9A3SM KG7H | 2882 N4HU RZ1OA | 2868 AB4IQ N8BM W4FC | 2855 OE1ZL | 2842 JA2BDR PY5EG | 2829 DJ9HX W8OI |
| 2895 N4QS | 2881 I1EIS N5TY | 2867 DM5EE JH4JNG LZ2JE S54E | 2854 KG4W RV3LO | 2841 JF1WPB K3WA | 2828 IK2QPR OK2ZU |
| 2894 AC4G RJ3AA | 2879 G3LZQ JA5IU LA5HE W4DKS | 2866 JL1UXH | 2852 IK0MHR | 2840 EA1DFP SV1CNS | 2827 9A2JK N5OK |

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|--|--|---|---|--|--|
| 2826 AA4HP SM2OAN | KC7V | 2800 RU3QR | W5XC W9MU | 2771 K2CL PA3C UA3AGW UR5MID | PY2SP |
| 2825 DL4CF K5XX | 2813 JE1SYN | 2799 JR2LJO W6OAT WA5VGI | 2785 JH1NYM WB9CIF | 2757 IK0FVC | 2756 JH3CUL RV3FT W1FJ |
| 2824 AB6QM EA1N IK1WGX JA4MRL K0DEQ RZ3DX W2SM | 2812 9A4T 9A8A K7ZV | 2798 SP7HOV SV1JG | 2784 K5AQ W7KNT | 2770 JF2XGF N0AV | 2755 DL5AN SP6CES |
| 2822 LA7AFA | 2811 NE1B | 2796 JS3CTQ | 2783 N5FG | 2769 F4BKV JA2VQF | 2754 KC9ARR |
| 2821 IU7QBB JO1WKO N4AH UA0ZC | 2810 DK3DG IW0HEX N4DW | 2795 NQ1K | 2782 IK0PEA K7NN MM0EAX SM6BZV | 2768 G0OIL JA4PXC | 2753 W9AJ |
| 2819 JI2KXK | 2809 DL6KR WA2VYA | 2794 IK4PLW ON4GG W2LO | 2781 AJ6T RN3QN UA3LAR | 2766 HA7TM IK0FUX K9US WA2WSX | 2752 AG4W SM4DDE |
| 2818 I6FLD JE2URF | 2808 I4MKN LB8DC | 2793 RA3DA | 2780 CT1GFK N7US | 2764 AI0O JA4DLP K2RW | 2751 HB0CC UA4HAU |
| 2817 AI9L JR3OEH LA7HJA RU6B S52F | 2807 DK6WA W1TC | 2792 AA5AM SM0CCM UT2UB | 2779 HB9HFN NI6T W6SR | 2763 F5PAC | 2750 JA6VQA K6XT N8DJX |
| 2816 IK5DNF SP1MGM | 2806 G3SNN JS2LHI K1OA N9AU | 2791 K6FG | 2777 DK5AD JR1XIS W0YG | 2762 9A1HBC DJ9VA | 2748 JN1BMX SP6DNZ W6RLL |
| 2815 9H1SP RL9F SV1DPI W7DO | 2805 5B4MF HA9PP W9XY | 2790 4Z5MU EA6ET HB9ALO SV1AVD | 2776 K8GG | 2761 I4KDJ JL1RUC K6KLY | 2747 G4IRN N6ET VA2WA |
| 2814 JA9FPI K5KLA | 2804 DL5WW VA5DX | 2789 IK4HLU VE3DZ | 2775 9A2NA JA7KY | 2760 JA1DUH RA0FF UN5J | 2746 KP2A UY5AA |
| | 2803 EA3WD HB9DDO JA8DNV | 2788 JA9RRH N5ORT | 2774 HB9DHK JH3VNC | 2759 IK4ADE K0JGH ZS6EZ | 2745 W2LK |
| | 2802 IK0XBX UR5EDX | 2787 IZ5DKJ JA3RAR KN5O VE3BW | 2773 LA3MHA | 2758 JE8BKW | 2744 RA3XDX |

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| 2742 DL5ME KB0EO SP9ODY WE9R | 2729 DK2JX G4PTJ JA1SVP JA2KVD K5UO W0UO | 2719 F5CQ N7RO | 2708 CT1BH JE2LPC K3RA OZ1ADL PY4OY UN6T | 2699 IZ8XQC K8WK UT4MF YU1CC | 2687 W3AP |
| 2741 DF6PB JA1KQX | 2728 JA9TWN JJ3HGJ | 2718 DF2UU DJ9ON G4GIR KK2I KZ2I OE6DK | 2707 DM2DXA G0BLB | 2698 K8GI K9MK WB3AVN | 2686 RM0F |
| 2740 I1FQH JE1FQV R5DT | 2727 JA3AZD | 2717 JA5WIZ JF1UVJ | 2706 K5RT S52DD W1MK | 2697 KJ3L | 2685 JA0IXW |
| 2739 SP3IBS | 2726 F6FXU RX4HZ | 2716 DL7BA UA9FAR | 2705 G5LP W5ADD | 2696 AJ9C RW3RN | 2684 DF2RG JK1EXO W5CIA |
| 2738 EA7R JA5XAE JR7BDQ SP9JZU | 2725 JF0EHX R3VA WB4TDH | 2715 NN4X | 2704 JR1BAS K0JUH | 2695 W5FKX | 2683 PY7DJ |
| 2737 JA3GN UT7UV | 2724 HB9DDZ I7CSB JA3FGJ PA3EWP PY2YP | 2714 JA6WJL JI8DGO JR7WFC K0KT NV9L NX7U RA3QK W0DJC | 2703 DL1YD K8EUR KA1R NM6V SP6M W0FLS | 2694 AA5C | 2682 KA9FOX N9FN |
| 2736 N5XZ | 2723 K5GKC R7AA W1YM | 2713 K1GG UA0CW | 2702 JA2LCP JF7XKY WP4G | 2693 KB8VAO W0AW | 2679 EW2A |
| 2735 DK0PM G0BNR K8NVR WT8C | 2722 NS4C | 2712 F6HDH W8HW | 2701 OE3EVA R6AF SP3CJS | 2692 EA7TV | 2678 DF2IS K6AM |
| 2734 JR6FC RD3K W6YI | 2721 AD1C DL9GFB SP2BMX | 2711 SV1BTK | 2700 DJ9ZB DL6MRS JA9PPC JH7RXU K7PI N9LB RA9CMO WA2HZO | 2691 WE7K | 2677 IK4BHO W4BP |
| 2733 CU2DX | 2720 AB9V K3PA ON4IZ SV2AEL US0KW UX3IW | 2710 EA2IA JA4OK K5MC | | 2690 JA1XCZ OE1AZS SP7ITB W1SKU | 2676 JA9NLE |
| 2732 JA6CRP K1BD UT8IO W7OM | | | | 2689 EI6FR HA1RB JE1LFX K8AC W2KKZ W5AJ W6VX | 2675 HB9SLO JH7XRG |
| 2730 K1NU | | 2709 HB9AUS JA8RJE R9TO | | | 2674 AH7C G4IYY JH1QAX |

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| 2671 JE7JDL KD6WW | KZ4V LA9AJA | 2647 JE3ENP JE3GRQ KS1J W7CT | 2634 I5HOR S57AC | W4FQT | RL3FA WB8BPU |
| 2670 DL3ZA JG0CQK YL2MU | 2658 ON4ON UW2ZM W4QN | 2645 JR2UBS SM5FUG | 2633 K6GXO NS6C NU8Z W6XK | 2621 EC3A W4WM | 2611 K2LS K5VIP OH9MDV |
| 2669 WN6W WX2S | 2657 JE2DZC K0KVR N3MN RA1QD | 2644 DF3UB KE9ET N1IBM SM6CUK VE6WQ | 2631 9A1CAL JA7IC K9XD RX3AGD | 2620 AA5AU AJ3K | 2610 K6YUI LA3WAA NF9V |
| 2668 JA7MOL W9XX | 2656 DL5CW K0JY LA5LJA | 2643 W2PK | 2630 NA5C | 2619 JA2ATE JH6QFJ N6ED ND0N | 2609 JA7LGE JM1FHL K1KD K4WA WD8JJA |
| 2666 CT1BOL G4WFQ N7KA | 2655 HB9LCW UA3TT | 2642 OE5FIN SM0NJO SP9RCL | 2629 JA2AHH OH6RX W4OX | 2618 K7BV W2QO W4TV | 2608 E73Y JA2EPW VK3QI |
| 2665 4Z4DX F5HNQ N2BJ WA8WV | 2654 W8DCH | 2641 K8TL OE1WHC | 2628 IT9ELD JN1GTG K2SHZ KF8UN PY2XU | 2617 K4JJW N5LZ S52OT | 2607 JK1KSB KE8UN KU0A |
| 2664 K4SE W8TN | 2653 JA3APL | 2640 DL6ZXG IV3RAV | 2627 G3WPH | 2616 EA3BS G3ZQH K4WS K9MM | 2606 PE1L |
| 2663 I5ZGQ JH3VWN OE4PWW | 2652 AF9H LA8PT SK3PY UT5EL W5LT WB0TEV | 2639 K9IR | 2626 IZ8VYU WA1JMP | 2615 K6SIK KG9N PA1CW SP5IWA | 2605 9A4W JA4ITW |
| 2662 JE2OVG K7BG UW5ZM | 2651 AA9A JN1RQV | 2638 CX6VM JA2CXF N4TL RW3XZ SV3DCX | 2625 G3SVD K2EP | 2614 DL1DA JA1WSX N8LJ | 2604 DK9KX HB9TKS JA1GHH JA9CHJ K0BBC YB5QZ |
| 2661 W9ILY | 2650 G4OWT JA7MFL JH1HHC W8HC | 2637 JH8RZJ UA0FZ | 2624 DF9ZW | 2613 KK9DX N1NK N1SV | 2603 K4XI W8KEN |
| 2660 DJ4XA RW4NN SP3QDM | 2649 AD5Q IK8YTA IZ3ENH | 2636 EA5GPQ K1LPS K3JGJ K8VfV N8KOL | 2623 GM3PPE N9RS | 2612 DL1DUO IV3IZU K4TT N5GH | 2602 DL2KQ IZ0RVI JA7JI |
| 2659 IT9DSZ K8BCK | | | 2622 RA3ZH RZ4FO W2JU | | |

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|--|--|---|--|---|---|
| W8TWA | 2590 EA8JF RW7M | KG8P KM1D UA0SR W9FR | SV2BFN | XE1KK | RC9F SP1JRF |
| 2601 HA0UZ JG3IWL JG4AKL K7WP WA0MHJ | 2589 EA8AKN JQ6RUP JR1GJP K1LD NX0I RW0CF | 2578 SP9UPH W6NWS | 2566 DL3OH JA2VMU NC9T YO2RR | 2557 DK3WW JA8EJO K0BJ S55DX | 2547 YV5JBI |
| 2600 JH4ALY W7WM WX0V | 2588 N2TN OE3SGU | 2577 IK5BAF IZ8DFO JA1IOA N7XR PY2KP VE3MWX W1KSZ WB8ZRL | 2565 DL5XJ F3SG LA7GIA N4QQ WO2T | 2556 DL1KUR PA5TT W0VX | 2546 IK5PWQ JA4LXY SP6TRX W7MO WS9V |
| 2599 JA1IZZ | 2587 DK8MCT EI9JF JA7MA WC5N ZS1LS | 2576 IK0HFO JF6WTY SV5DKL | 2564 ER3DX I1JQJ JA7BWT JI1LET VE3CFK W5BPT | 2555 CT3HF IK5RUN JA1WPX OZ1HX SP6EQZ | 2545 DF9KF EA3BT UY5BC W9BF |
| 2598 JM1XCW K1USA K5WK N1RR | 2586 CU2AP N8OC | 2575 N3KK | 2563 K7XB UA6EX | 2554 IT9DAA JA3RQ W3BW | 2544 HB9CEX IZ5EKV |
| 2597 DL6CNG JA2TBS JI1DHY | 2585 OM4EX RK4FD | 2573 SP8FNA | 2562 PY2NQ | 2553 RW4C W1YW | 2543 K6FW K7ZA |
| 2596 K8IU WA3C | 2584 JA3ENN | 2572 KD0Q SK0TM | 2561 AA4R AA5AT EA1EAU G3KWK JA1NWD NN4R W1YIF W9OL | 2552 OE8HIK W6RW | 2542 W7LR |
| 2595 JA3APU W2YJ W3GQ | 2583 WB5JID | 2570 CT3MD JA1CLW OK2QA RA1QY W6PJ | 2560 K3JT KQ8M | 2551 KM4H SP3SLA | 2541 JF1KKV W3DRY |
| 2594 IT9PKO JA5FBZ | 2582 G3NDC W7BEM | 2569 NN4SS RU6L | 2559 JA1WSK JA9AGN | 2550 HL2WA K1DT W3OA | 2540 EI9FBB KE4YD W6QUV |
| 2593 K1RO K4XD N7IR | 2581 JE2EHP K8YTO W9YSX | 2568 IK5MDF RD3AW | 2558 DL9MRF JA1QOA SM6BGG WB9EEE | 2549 DL5CF IK8GYS PC3T SK7AX | 2539 RA3S |
| 2592 JK1OPL K5LJ | 2580 DK2GZ JA1VSL | 2567 DL5EBE N4RWG PY5CC | | 2548 9K2OD EA1AF IW2FND OH2ZZ | 2538 JA9FAI SV1LK |
| 2591 DL4SZB JA1GRM | 2579 I8JIT JA2FGL | | | | 2537 JF2WGN UW8SM |
| | | | | | 2536 K0RS K6EID |

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|---|---|---|--|---|--|
| UN7LZ | 2525 I8SAT JH1AGU K2PK KB1EFS | YV5NWX | 2508 HB9CXZ K7GEX OE8SPW | W5ZG | 2494 K2FU W9XT |
| 2535 AA6AA LA2PA WA6YEE | 2524 HB9CZR JA1RTX JH1EEB K0TT N5AO OH1XT OH2FT | 2515 K2NV VA3LX W0LS WB8ZRV WO2N | 2507 RU6M SM6NOC W6BJH | 2501 EA3CJ G0EHO IZ3GOG JA1TMG K8OM LA9VFA W4WT W5VY W6JRY WA9PIE | 2493 K8ROX N3RC NW7E W1BR W2GG WS6X |
| 2534 DL2CHN HL3GOB IV3GOW JA9CWJ N8PW R8TX | 2523 G8DX JH4HMG UN7TW W6ENZ WA2BCK | 2514 AE5E G3TTJ R9OK R9SA SV3FUP | 2506 DL1SMA K8FH N6RW RA1AOB UA9FGR W5ODD WD5K | 2500 4Z1UF 5B4AHJ DK1WB DL1HRN EA5BRE IZ7FLP IZ8FWN IZ8IEV JJ1DWT K1ZN K2UR K4MS N4QV N9BX RA3SS SQ1X VE3RA W3UA WA4LOX WD4LBR | 2492 JA1FGB JA6TMU |
| 2533 JA4DEN R9AB | 2522 K1HT W8RLS | 2513 9A2X JE1PNX WT8V | 2505 DF2TT JH7IAJ JR4DSM K2TE K7EG LA2QM W1VT | 2491 JH1QDB WA3AFS | 2490 JG8FWH |
| 2532 W3JX W3RJW | 2521 KM4HI | 2512 IK8EPC JA0DET JR2PMT KI0KB RV9CX UA0CA UT7UU | 2504 E72U EU1KY IK7XLU K9MBQ LU2NI | 2489 G3OAG K6RO K9SM N9RD | |
| 2531 JA1ELY UA6YW | 2520 IT9XTP JA5BEN RA4CA | 2511 CT1FPQ EV1R JH3AIU KR4F W6TC | 2503 CT1EAV DJ3AA EA5CRC K3NK RN8W SP8HKT W1ZT W2XI | 2488 I0JBL ON6AA | 2487 N6RV |
| 2530 AA4SC IZ5JMZ | 2519 N4GN RG5A RZ6BS | 2510 DK5AI K7SP LY1G N4PY VK3GA | 2499 W1LW | 2486 S52RZ W1AIM | |
| 2529 DF2GH HK4SAN K8QM RA3WDK UA1OMS | 2518 JG3LGD VK3HJ | | 2498 K4JAF | 2485 JR1DUP | |
| 2528 AD6W JM1CYJ LA5YJ | 2517 RN3OG W1OX W7AL | 2509 I2EOW JH0INE JR1BLX NQ7R US3LR W4VIC | 2502 G4IUF JH1OAI K2KA KT8X RV1CC UN7JX W4CK | 2497 JA2XCR JA7LMZ RZ3FW S51U | 2484 EI2GLB JH0BQX |
| 2527 IZ4GWE JA6BJV K9JF | 2516 CT1CJJ K4EM K5WAF WO7R | | | 2496 JM2RUV N6VR | 2483 K3XA K8BL LU3CQ N1LN |

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| 2482 JA7AUM XE2CQ | N6DX OZ8SW | N6PF | K5PS SM5CLE W5PF | LX2A | SV1ACK |
| 2481 IZ5RVG JA2AH JR6LLN | 2467 DL1TRK W0GJ | 2454 LA9VDA N2JJ OH6JD SM5GMZ W2OO | 2439 F3AT | 2426 EA3GHZ N4GG W9DC | 2415 WQ5W |
| 2479 K4MK W4RFZ | 2466 CT3FT KD3CQ SV9COL | 2453 JA8KSF SV1GYG | 2438 DL9TJ | 2425 DJ9RR HB9AZZ JA2FBC JE6TSP K3FRK ZS6WB | 2414 I4ENO JA0AOO J11NJC KG6I |
| 2478 JH1SJN | 2465 K5VWW | 2452 F5LVL JA1FQI KD0PO WB2REM | 2437 DS1JFY W9OA | | 2413 KA8ZPE |
| 2477 JJ1SKG SV1VS | 2464 IZ2AMW JA1IXY JA1VLK OH8LXT W6SZN | 2451 KA2D UA0BA | 2436 SP6A W0AWL | 2424 W2OIB WQ3X | 2412 9K2HN A65BR HB9BUN I5OYY |
| 2476 9A4WY DS5USH | 2463 JA9NFO K6KO | 2450 IK0LNN JF1IRW | 2435 JH4GJR K9ZM N3CZ | 2423 DL2VPO JA2NDQ W1EBI | 2411 SM4AZQ |
| 2475 OZ2PBS ZL3JT | 2460 JA8BNP K6EME W8LGJ WD9DZV | 2449 W7YAAQ | 2434 IT9CVO JE8TGI SM5CZK WA9CVK | 2422 WL7E | 2410 I0YQV IK4MSV JA5SUD KJ0M |
| 2474 JA4EPE PY2VA | 2459 K2AZ | 2448 JA1GHR K3VAT K7GM WA6F | 2433 DL6JZ IK4AUY | 2421 AA8OY | 2409 HA5AO |
| 2473 DF3IS LB2TB | 2458 EA1CP JA1ADN JF3LOP JH1BZJ N0KV | 2444 JK1GOK S57AT | 2432 KI5BLU OH2IS ON4CAS | 2420 CT1APN DF5AU DJ5JH GM3YOR JA1JAT VE6LB | 2408 KB1JZU |
| 2472 SP7TF | 2457 N5KM | 2443 G4DJX | 2431 BA4RF N7BT | 2419 IK2EGL JA1FNO | 2407 CT1DKS ZL1BYZ |
| 2470 IK0AGU SV2DGH WW3S | 2456 JG1WSC N5JB W8DX | 2442 DL4CW | 2430 AF4HX KJ6P KT1J | 2418 N9ISN SV1IW | 2406 JE8CLT K1LT K1UU N6HC W2AY |
| 2469 CT1FCX G4BUE | 2455 K9NR N5MOA | 2441 K5FUJ W5IF W8MJ | 2429 N5KO | 2417 JA6BEE | 2405 IV3KFB K6PJ OE2BZL OH1NX |
| 2468 IK5CBE | | 2440 EA5AT | 2427 IV3VBM JH3GCN | 2416 IV3HYD OE6VIE RA3DNC | |

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| 2404 IK2VUC JA4FHE K1CA K5KV KS3F PY2DS SV9AHZ WA0I | 2393 JR4LNG W2GW | 2380 EA1RT JA4BXL JA9GPG K1ESE ON4ATW | HS1NGR | JH7BKN K8YC N6UK OH1ZK | 2344 EA1AUS JA7PL RZ3DJ |
| 2403 JG3SKK R0FA | 2392 N2WB PA7TWO W4HG | 2378 F5IL JA8JTH | 2366 4Z5AV BA4DW HB9IQB K9FD* | 2354 K0XB | 2343 W0TT |
| 2402 N9JV | 2390 JA1TAA K9RS | 2377 HL4CJG IZ4MJP ZS2DL | 2365 EA3NP PY2MC | 2353 JR7FRW | 2342 DL8ZAW IK8JVG OH1JP ON5UE |
| 2401 HA7UW JI4WAO N2NS | 2389 JA1BPA JK1TCV SV1QN | 2376 HB9AAQ IK0HBN NE3F | 2364 AA8LL | 2352 N1EN | 2341 OH2OT SM2GCQ VE3EK |
| 2400 IZ2FOS JA1ALT LA0FA NA5DX W8WEJ | 2388 G3VPW | 2374 I2YDX KA7T RN3RQ | 2363 K4ZO N8BJQ RA5BM VE3VHB W7ZJ | 2351 OE5RLM W1OPD WD0DAN | 2340 DK7YY |
| 2399 N5UL | 2387 HP2AT N7TY | 2373 JE1DXC K7ZD W2LE | 2362 IZ8DBJ JA7QFU WA1S | 2350 DL3OI IK2SGB N6PSE N7DC VU2NKS W9EWZ | 2339 JF2WXS N5ZC SM3DMP |
| 2398 AA3B DJ4GJ DL2FAG IK7EOT K2SX K9FN W8MET | 2386 JF1RYU K4YMQ W7FN | 2372 HB9RYZ IZ4DPV K1NTR | 2360 N6MZ N8SNM | 2349 GM0AXY | 2338 FG5FR JE1AEX JH1CHU K8AJS OK1FED SP3PLD |
| 2397 IZ5BAM JA1DOF OK1DWC | 2385 DL8LE W2NO | 2371 HB9BAT K8UT | 2359 F6ECI K9YC W4DC | 2348 DJ5JK DL8SCG K7UA LU4FPZ N9CK | 2337 JA2BQX JH1LPF K0GD VE3CRG |
| 2396 HB9ICC JH1BNC PA3CSR | 2384 K7HP K8YSE KQ3F W8UV | 2370 DL2UH IK6QOP LA8HGA N6TA W6TMD | 2358 WF4U | 2347 IW0HQE IZ3ETU PY2IQ XE2X | 2336 EW4M JA2HYD K0VXU KQ4AV W5GAI |
| 2395 AA7G | 2383 LU8EKC RK3QY | 2368 JP1IOF W1EQ | 2357 KF7PG UN9L | 2346 G3NKC JA9AA KS0DX | 2335 DF7EE JR8AMF |

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| 2334 HB9BYQ W0RX W2YE | VE6AX | K8ME PP1CZ R3ST SM5CRV WC5M | 2301 JA2CEJ JH0MXV JP1NWZ JR3UIC N0RB SM7IUN W8JRK | HL2IFR JA7CVL W7CA | KA8SYV RU1AB RU3SD |
| 2333 HA0HW N4HB W0HBH | 2323 JH4BTI JR9LKE K0CS | 2310 AC0A IW1QN JA5BGA OE2GEN | | 2289 AB5EB N9AW | 2275 JA4VLK N5BO |
| 2332 HA5VZ K6UM OZ1LCG W7MEM | 2321 JA4ZA WB7B | | 2300 4L1MA CT1BWU DL9FCY IU0HDC JA8NFV OE5BWN W7HPW | 2288 IZ4AIK PY2RO | 2273 K0AZ K8BN N7NG VU2PTT |
| 2331 K0QC KG9Z | 2320 HB9DHG I8QJU W6RS W9BEA | 2309 HB9BXE | | 2287 HB9BOI K0VSH K5JC PA0ZH VE3YF | 2272 KE1F N4XP |
| 2330 9A1AD IK2RPE K1KA W0GG | 2319 9K2GS JA7EPO K7MTR N4LR NA5Q UA3ECJ W5FI YO2CMI | 2308 IT9RYJ JA7ZP K4CMS N4TJ ZL2IFB | 2299 I5CRL | 2284 HK3X JA1PTJ OE2KHM | 2271 K9RR W0SZ W8LRO WA3F |
| 2329 DJ8ES | 2318 JE2RDO S55SL | 2307 DL6UAA K8DV KD9HL LB6KC SP3FAR | 2298 JA3BSL W9OO | 2283 AA8R JA4FM | 2270 EA3XP IZ8FDH KG2KJ UA4AZ W5WT |
| 2328 JA3EOP K1LI | 2317 K2XF WF2S | 2305 K3TN K8CW N0RN W7AH | 2297 SP6JIU W3YY W4MAY | 2282 AB0X IZ8GGF JA1BOQ K5KPE | 2269 JH0GHZ OH1NDA W9JA |
| 2327 AB5A N2LM S52TJ SM5ARL | 2316 HB9FMN JH1IED K0GY W5GZ | 2304 OK5TK WB8K | 2296 SV1FJP WA0RVK | 2281 I1NVU | 2268 K3SEW K9OW |
| 2326 K4PB | 2314 AI2N K1ZZI | 2303 JA9GLW JH4ADK K4XR SM3LGO | 2295 EW1BA OH4UI | 2279 KA1ERL W5SL | 2267 9A5N IZ1GLT WS7L YO9FNP |
| 2325 BH4QYX JE2HCJ JH8SLS | 2313 JA7BVH | 2302 I2VGW JG4BLW K4TEA W2WG WB8CQV | 2294 N6HY RU3ZX | 2278 K4WNW K6YRA N9RC VU2CPL | |
| 2324 IK1SOW JA2FSM JL1XMN N3UA PZ5RA | 2312 JA6CBG | | 2292 RZ3DW | | |
| | 2311 HK1MW | | 2291 JH1RGG K2TWI SP3XR | 2277 DL1WM IK1PMR | 2266 OH6NIO |
| | | | 2290 7K1PTT AA8CH | 2276 HL3DE | 2265 4X6ZK IK0DWN K0TPP |

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|--|--|---|---|---|--|
| WS5W | K9GA | 2243 K0LUZ K8NK NK0S | JF2VAX R9SG | 2221 JA2DXD JA3XNH K9OT | 2211 UX5UO W8IW |
| 2264 EA3AKY N4MHQ UR3EO UR5FEO W1OW W5ZPA | 2254 JA2IYJ W3IP W9PZT YB1UUN YL2KF | 2242 JA3KGF NY2NY | 2230 JH3FUK K9MIE KJ6NZ PA0JSE WT4Q | 2220 EA9IE JA9IFF OZ7FOC | 2210 JH1APK NF1O VE1JBC W5JAY |
| 2263 JK1BSM ZL4TT ZS1A | 2253 JH1DGQ W1YRC | 2241 N4EFS NA2M NF1G OH1TX UA1ACG | 2229 K2TK N4JT SM3CBR W5DNT | 2219 DJ5EJ JA8UIV K4VIG KH2L NW4V | 2209 DL1SVI KM3T KX2A N8MR UN7ECA W6RFL |
| 2262 OK1DH WA4JQS | 2252 K5DHY N4JQQ RN9N | 2240 9A2TN JH2IEE K4MM | 2228 JA0EIY JE1GWO | 2218 EU1U JA8DKJ JH4CBM W6DR | 2208 DM5BB IK3SWB KI4DLS WA1FCN |
| 2261 F9XL IZ8EEL W4UCK | 2251 N4TV W5ZO | 2239 JA0DWY KE6FV W4ABW | 2227 HI8R JA2KNW JG5RVQ K2EQ | 2217 K4RG W0HT W3MR WX1S | 2207 I5KG |
| 2260 G3UHU IZ8EDJ N9UA W5PJR XE1MEX | 2250 DL1SP EA8BYR IZ2DLV JE2JMV JH1XUM | 2238 JA1CMD | 2226 K7BTW NA9RB VE7BV W9FI | 2215 KA2MGE LA9FFA RA4FEA SM7CQY SV2BOH W9DX | 2206 KM3V PA3ABH |
| 2259 UA6FJ UT3UZ | 2249 AB5C JH1VUO KE9L N2VW WP4EJH | 2237 JO4CFV | 2225 IW1FGY W8IQ XE1RBV | 2214 JA1DM K4FJ RN1ON SM5SWA W8OP | 2205 JA0UH JA8FFM W9HBH |
| 2258 CT3KN DF2NS K6DT | 2247 HL2CFY K4HMB W8CZN | 2236 AB0CT K2FW S51NM | 2224 AB1OC CU3EQ K1IT KD6UO N2DPF | 2213 JA8EOT K1YR W3RW | 2204 K6ZZ N4HID WA4CEM |
| 2257 IK2SND JH4FEB K8NKQ LA6UL | 2246 PY7RP W8UN | 2235 I0OSI IK6BSN JH1IAQ K5JZ K6SRZ | 2223 SM7NDX | 2212 N4RF | 2203 G0VXE JA0GCI ZL4AS |
| 2256 KA4RRU | 2245 EA1JO FG8OJ | 2232 9M6YBG | 2222 AA1AC IK8UHA IW0HOU JK3GHE UN3GX | 2202 I5MXX JA8JO UA0FO | 2201 G3TQZ |
| 2255 EA7SG JA4HAW JH1BAM | 2244 BA7IO VO1HP | 2231 DL4DZL JA0VSH | | | |

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|---|--|---|--|---|---|
| HI3T JA6OXT K6MI RM3DA RU0SN | 2191 EA6EE EA8TH IK2DZN | W6SL | 2171 UT3UY | 2160 HS0ZEE I5REA IK1CJO IK4HPU JN7DOS K1PL | N4QWF N7IP SP1MWK WA8MCD |
| 2200 CT1AGS W2YR W8KL W9YE WE9V | 2190 JG1OGM JH1OBS K1EFI N4SC W2TB | 2180 IV3TDM JA8BAR JR1NHD PY1KN RW3QM W5RQ | 2170 JH1VHU SV3AQR | 2159 K1NY N1RJ VK3NX | 2150 JR1WCT KU4XO N4UFO SM5FWW SM7GIB YB0COU |
| 2199 WB8B | 2189 AI6Z IK1ADH N4AL N8NN | 2179 DK0UB IV3YIB JA0PE JF1LMB WA1PMA | 2168 F5UJK UT4EK | 2158 JF3PNQ K4RO SM4OLL | 2149 4O3A AA4FL JA5NPV JA8ZO RW9QA |
| 2198 JH4DYP | 2188 N4ZH RD3A | 2178 JA1KPH K1GE | 2167 DL1NKS IK6HRB JA2KVB S57XX | 2157 DL5XAT K0KG W6CYX | 2148 CT1GPQ DL7UPN JA3LDH K4YYL K5GH |
| 2197 AC9EM SM5CBM | 2187 IK4IYC JR1MLU RW4CY W5VQ W8BBQ W8MHW | 2177 EA4EER N3EN N6PE NW6S | 2166 LA2XPA W2RQ | 2156 N5PHT NT5V TA1CM | 2147 JH8SIT N3QE |
| 2196 JN3SAC W2FV W9JJB | 2186 OZ4VW ZS2EZ | 2176 DJ2SL JA3OOK K4ZIN W5DAW | 2165 I0MWI N4PJ N5ET S54A | 2155 JJ1BMB WA5LFD | 2146 EA5RD EA8MT |
| 2195 EW1KP IK8BQE K2CBI LY3W W1SSN W6AEA W8KA | 2185 DF2NU YO3CD | 2175 JA4DHN JK1UNZ K1NJ | 2164 KT8Y S55ZZ | 2154 JA3BXF JG3FEA SP3V | 2145 DF5WA EC1A RQ3A RU6FZ |
| 2194 K5PI N2WKS NE9U WB3JFS Z31RQ | 2184 JA2JRG W4BUW | 2174 K5TT W2OR | 2163 AB4SF N2WLG UA1AIR | 2153 EA3GHQ JH0RVY K2BA NF4A OH2BF S50R W4JS WW2DX | 2144 DK2OY IZ0NRG N4UOZ W4IS |
| 2193 JA0EKI K2RD N5DD | 2183 4X6KA JA3UCO JJ0DRC | 2173 G0DBE K2AU LU5FF OE2SCM | 2162 RZ0AF S59ZZ W7AV | | |
| 2192 N3BNA | 2182 JA0CGJ JH1SOD | 2172 HC1BI KK0M W3XY | 2161 AA5JF G3KMQ JF1RPZ JH1WJR | 2152 UA3O W6IGK | 2143 JA1CZI JF3SUL JH2SON K4NA W9RC |
| | 2181 IV3TMM | | | 2151 I5MPN | |

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|---|---|---|--|---|---|
| 2142 CT3DL G3UAS K8KWT KK1W WV4TN | JA1MZL JR1UFN K7UT W3TN | 2123 HL2KV JR7GBL KZ8Y VK3BDX | WB2GAI | 2107 EA3DW G4DJJ K3PU | 2097 IZ5MOQ |
| 2141 DL2AYK DL9RCF N1RK N6IE | 2131 K1RV LA6OP RN3CT W7QDM | 2122 K1ZE LA5SJA | 2115 DL3KZA EA1KY | 2106 JE3GUG KD4S KX4TT VE2BR | 2096 CT1FUH F5NBX HA1DAE JA1QWT W2JLK W5WP |
| 2140 CT4GO DL2HYH | 2130 EA8AXT IK0OPS JH3FHQ K0DEW PA1H W6YOO | 2121 A65CA IK2ILH W8JV | 2114 IZ5NFD JA2VHO KA2NDX SM7BHH W4SK WB3LHD | 2105 DS5ACV DS5TOS SM5ENX | 2095 K1UI KE4UW ON4RU |
| 2139 JF0JYR K8BZ W3FI | 2129 JE2UFF N2AJ WB6EWM XE1H | 2120 HL3AMO JA1WTI K3SX LA4PM SP8FB W1WC W2/CT1GIF W6RKC | 2113 JA1OVF JH2XQY | 2104 DM5GG JA3KNN W2CG | 2094 IK2CHZ KL0S SV1FJF |
| 2138 JR6IKD | | 2119 JA7XBG JA8LRG W18R YO3FRI | 2112 4Z5LX AE0P DK9HN UN2E | 2103 JA1EMQ JK1ODA WA9YYY | 2093 VE3ZZ |
| 2137 K5FZ K7TM NZ3O | 2128 IW0GBU KE9I OZ1IKY UN6P | | 2111 JA4FJL JH0MHR K3PP | 2102 DM2RM JE2VLG | 2092 JA6GPR N5AQ R1MA ZL2AL |
| 2136 G3IFB IZ7AUH K7LV N1IX | 2127 HB9AAL JH1ACA OZ5HP W3ABT W9VNE | 2118 JR6SVM OM5FM R3QW | 2110 F2NH HB9CRV JA8XQI JH1UBK JJ2WOC JK1AJX K0DD RA1OD | 2101 EA6AJ HB9JOE JA3VPA JH7DFZ K1DC K7KB WA3OFR YL2TW | 2091 EB3CW G4XRV W1TO W2ZI W4RDX |
| 2135 JA7BEW K4NNX KR6C | 2126 IK7YZG K7ACZ W0QQ | 2117 ER5DX G0FUV IW3GJF K1SM LB5WB OM8FR | 2109 CT1BWW HB9MEJ JA2QXP UN7FW | 2100 DS3HWS N4IQ VE3NI | 2090 KM6HB |
| 2134 N6KZ N7UN WB5TUF | 2125 4F2KWT IV3XNF JH3SIF | 2116 F6DBX JA3QOS JE8LWZ K3OX KF2DT SM7HCW W5WTX W8GNM | 2108 9K2GR E21EIC JA1AML JA1OVD JA3NHL JA3WLN KW4V | 2089 IK0XEZ KV1J SM0MPV SV1MO | |
| 2133 AJ4A RA3LO W6UC | 2124 JA0LXP OZ5NJ W4GIW | | | 2099 EA8RR WA1SXX | 2088 K3EA |
| 2132 HB9EFK | | | | 2098 EI8IU KI1U | 2087 JA1CJO JH1DGJ KF0LA |

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|--|---|--|--|--|---|
| W1SRD | RA3FH SP9WZS | K4ST | 2054 DS4AOW OH3OJ | 2043 HB9G IK0UTM JH6WDG K2UFM K6MKF K9TF NA9A | 2036 WA3I |
| 2086 KS4S | 2074 DL8PG IU8FRE JA4FCV | 2064 DL3BRE EA3NY JH9DRL N4JR | 2053 EA3HRE | | 2035 AA4VV JA7KE KM1C N9SF YB2DX |
| 2085 DL5XL HA5PT KR2Q PA3GCV | 2073 DJ0MCH K9RT ND4V W9MJ | 2063 W7HR | 2052 HL2EIZ K5TA OM7CA RA3TT | 2042 IK5BOH/2 K1RI KA6BIM NE0U | 2034 AA3LX |
| 2082 JM1GHT N7DED OH7TV SV1CQN YO3ND | 2072 JA8CJY K4JC R9SC SM4BZH W3BG | 2062 DH0GSU | 2051 JA2MNB LA7XK W8FIB WV6E | 2041 AB4UF IK0OER IT9GSF JN3TRK SP6AXW SV9GPV W4GE W7SX WE1P | 2033 JA1XPQ V51B |
| 2081 JH0NEC NA4EA | 2071 K2HAT KF6HI PA0INA W0CP W3GG | 2060 7M4AOE CS8ABF G8AJM JF1LZQ JR1IZM PA0TCA | 2050 AC9S JM1HJG K4JLD W8JH WB8FSV | | 2032 HB9DOT IK2RZP IK5PWN JA1AFR KI6CG LZ2HN W2KA W7VY WA2USA WB0O WE4S |
| 2080 JH1ORA KC6X N0AH W5LE W5QM | 2070 N0ABA ND5S | 2059 JH1BSJ JL3LSF N0IJ N6PEQ WD8PKF | 2049 IK8VRH JH2PWY | 2040 JA1DDZ JL1OXH K1DJ LA7WCA N7QT W8MK | 2031 K5NZ SV8CKM W7IV |
| 2079 JA1GVM K8AV KN4KL LA9GX N1IW N2SQW N5TJ PA0GMM | 2068 K2SN KK4OK N4NW R3LA | 2058 IK2PZC JA1FJJ W1ZK | 2048 I5JFG K8NS NT2A SP5ES | 2039 DK9CG UN3G VE3KI | 2030 N6PAT UA6AUA VE3JV |
| 2078 K4KAY K9DR N8EHW | 2067 JA1NCZ K2AX NE6I NK4L | 2057 K5DC OH3NDH PY2FN W0TM | 2047 IZ0BVU JL2PQV JP7EIP K2AJY K9OR | 2038 JH3GFA JJ6DGP KK2M WA5IPS | 2029 N4IG SV1HEP |
| 2077 XE1J | 2066 E70T N3KN W6KK | 2056 RN3D | 2046 EC1AIJ F5INJ ND4X | 2037 DK2CC JA3MHA K2EK UN7G W7IU | 2028 DJ0UT JE1VTZ K8KS KD2T NA2AA SM5AOG WQ6Q |
| 2076 OZ0J | 2065 G3LUW JH8GEU JL1ARF | 2055 F5BOY JF4EQJ PY2WC | 2045 IK6OIN JA1WWO RK2FWA | | |

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| 2027 F5OVQ JP1TRJ NI3P W6DE | W3ICM 2017 KB2FCV N4OA | AF5CC N1EVK R3DG SP5APW 2008 LZ2XF ZS1J 2007 DK3UA KV1E N6OJ VA3MO 2006 DG7RO DM3AZ HI3Y IK2ANI JA3EJG KB4MRX W0JM 2005 DK5RL JH1NYN NU1O SM6CKU WA6JA 2004 DM1TT EA1DLU RA3ANL SP3QYQ W4SO 2003 F1RAF IU8HEP KE3D NA5Z OH3NHF UA4PCM W4ZYT WB4YDL YO7NE 2002 JA6IVR JF2OZH K5FNQ | KD8RQE NJ3K SV3FUO VE4EAR W3FOX 2001 BH4IGO DL6OCM JE4NAN K2BLA N9TF N9XX VR2XMT W0YVA YO4DW 2000 AD8RL DL2RUM DL2SWN I1WXY IK8GJR IW3SSA IW7DOL JA7HRM JH0AWC JH0NOS JL1CNY JQ1TIV K8YYY KJ7M KS4YT KV4T LA1K N6PM OE3HWC R5QA RD4A SQ5NRY VK4CAG W0IZ W3BNN W4KA W5VX W8LKG W8QZA/QRP W9ZCL YB2TX 1999 DL4LAM IK0CHU | K9JU LA9OI 1998 AC4TO HA5BSW K6NR KN6KI RX4HW W4RBO 1997 AF2C K1FEV NA2U W2NRA 1996 GW3SFC OH1NPW WC6DX 1995 IK1IYU JA1SKE 1994 PA3GRM 1993 K5SM 1991 HA5GN IZ2EWR K2QPN 1990 N6MB NH6T/W4 OP4K 1988 OM3IM 1987 TZ4AM W5THT WC4H 1986 F1ICS F5VHQ | K1ACL N1UK SV1FKZ W0SR 1985 HB9CIC JA1JPM K6MM 1984 JI1CQA JR7MAZ N2FF NG7M 1983 DF2PI JA0RCK 1982 DL1RWN JA1SGU 1981 G4XEE 1980 AA0MZ IZ4DIW 1979 AA9GR I8LWL IK7FPV SV2DCD 1978 IZ8EJB NY9H 1977 WA0ROI 1976 DL5OCE JJ2RCJ KY6R 1975 DH2PC JO1LVZ K5QX |
| 2026 9A5F RT5A XE2D | 2016 JA0LFV K4KGG RU9UC W1OP | | | | |
| 2025 EA5OX JH6DUL JL2KEQ S52D WD8ANZ | 2015 DK3GG IU0LFQ K9MMS RK7T VE3UZ W8LMG YB1AR | | | | |
| 2024 N1JP RT0F UR5ECW | 2014 EA3EQS IZ1DFG K2AT N7TT | | | | |
| 2023 JR1EYB | | | | | |
| 2022 JA0KJE JR3REX SV2HXX UA3FF | 2013 G0MTN JT1BV RA3QUA SQ7NSN | | | | |
| 2021 JH4RUF M0CSD | 2012 JE0VJV VE3MV | | | | |
| 2020 CU3AA JF2DND K9SG | 2011 4Z5SG JA3FHL K3VN | | | | |
| 2019 JA2MOG JI6IHG K1JIU SM5BMB W1ITU | 2010 JH6EJG K2BB K6BV LU6ETB RA3BL W3BJ WB3D | | | | |
| 2018 K3BR K6IPM ON7TK SA0AQT | 2009 9A4SS | | | | |

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|--|--|---|--|---|--|
| 1974 K8FC | 1962 HA5CW JH1FSB WC3W | 1953 K2BX K4WZ N3KV | W2CVW | 1931 JF1IXE WA9GON | 1919 DJ9WH HB9DQV N7ZO NR9J |
| 1973 DL2NOM JA4XH WS1L | 1961 DK1WU K5RJ K9ALP OE3KLU | 1952 W2NK | 1941 ND8L ON4ANN W3ACO | 1930 HL4GAV IK8CNT | 1918 N6NU |
| 1972 AB4I DL3JPN | 1960 JA1CFZ K5CD | 1951 IZ0BTV W5GA | 1940 JM1SZY K4WES K4YJ | 1929 DL7UVO JA1OND JA7FWR K3STX RL3AA | 1917 7J1ADJ DJ3AS HL5BMX |
| 1971 K2SY KB9DAK | 1959 JR6CSY K9JN NO4J SM0DSF SM5CAK | 1950 JA2FCZ K4OY N1ZZ N5UW WA4DOU | 1939 AC6DX JH8NBJ UA9CGL | 1928 K6MW N5WA N6RK W5KK | 1916 AD5MN IV3AZZ W8HMK |
| 1970 JA1QXC | 1958 KE8UM N5TW | 1949 G3LDI JA1XRA W4DAO | 1938 KE1VT NA2P | 1927 EW1P JE1OHL | 1915 6K5YIA JH1ERJ W2WC W5RF |
| 1969 SM4DDS | 1957 IT9RTA N2RJ NY3C | 1948 YV5OIE | 1937 GM4FDM K4MF | 1926 AH0U IK2DUW JM1VRW RD3BD UA3FX W3SB | 1914 W5GO |
| 1968 JR1VAY K6TAR OZ4AAL | 1956 AA6RR JF6XQJ N1QY SP5MXZ SV8BHN WA1YTW | 1947 DL6LIM DL6XK DS5DNO N4ENE | 1936 JE1HRC K2RU | 1925 W1NA W9IL | 1913 IV3IXN |
| 1967 AA9RR JH1EDD JM1TWR N4QWZ | 1955 K3FM SP6EY W1CSM | 1946 DF9PG K5WBM W7YA | 1935 N1KC | 1923 IZ1JMN | 1912 DL2RTL F6HLC HB9KNY JA2ITK W8FN |
| 1965 IU8FRF JA3HBC KA1J KB9VF N6NO N7WO NP4G | 1954 DM2TO IS0AFM K8VC K9WX KK9H N4CQ | 1945 DJ8NT JA0CIU | 1934 9A9CW DK4TP I2AOX NA6L | 1922 DL4RCK JE2PCY LY3UM N9KW | 1911 JH1RFM UT7KF |
| 1964 DJ7ZG EI3IO N9ZI | 1944 NE8Z | 1943 W7NN W8TE | 1933 CU3AK CU3AN JH8UQJ JN1NBU KK4OW N7WS WN6K | 1921 JA2KSP | 1910 NC4RB |
| 1963 I8DVJ JA1BNW OZ1LWT W9SN WB8ART | | 1942 CU3EJ G4NXG UA4SKW | 1932 AG1A JA4QAD K9GWH N3VA | 1920 JA8OW K9AW | 1909 EA1KP NU1B |
| | | | | | 1908 K5YCM KD4W KL7HBK |

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|---|--|---|--|--|---|
| SP5TT | 1898 DL8OH G4FKA PY5IP UN1L | JA0KJD K9DT KM3J | WO2X | 1867 JH8KFE N3ND RA4P RO1B | 1858 EU1M GI4DOH I4JBJ ND3L NL7S SP3F SV8DOU |
| 1907 DL4NBE DL5MHQ | | 1886 WB2WPM | 1875 IZ8AJU WV9L | | |
| 1906 IK7WPC JA1HOM K1BZ KQ4EE N3KS OE1SZW W2YK | 1897 GU0SUP JL3MCM KI4WCQ KW4MM YO2DFA | 1885 DK6OR | 1874 DF3EC JA7VEI K6IPV WB6JJJ | 1866 HB9MFM JA4HWX JE1BMJ K1JB K1JD K9CS RA0BA RT3M | 1857 AA4U EA5B JH1OGT PA0JNH W7WZ |
| 1905 JA6JEW OH5LLR SM1TDE | 1896 JA2EWE WB5AAA | 1883 IW0BYL W2PA | 1873 IT9ODQ WA4VA | | |
| 1904 DL1DAW K8EAB YO4AUL | 1895 DF1ZN SP6AEG W0PSY | 1882 EA5RU JA3MVI JI1WLL JS6TWW NU4Y | 1872 AC4VM JG1DUZ K9SE SM6CLU | 1865 AK5X K3PT SK3BG SP6IEQ W0FK | 1856 AA6PW K4EA |
| 1903 KZ1W NQ3A | 1894 JA0AXV K5OA W4HZ | 1880 N9JR VE7TK WB2KSK WX0B | 1871 DL9IU K4EU W9VG WV2I | 1864 MU0FAL N0ODK NV4B WQ5R | 1855 I0GOD I4JEE JT1CO K4XU K5CWR PY2GM |
| 1902 AK5Q IU2ANW JA4KDT JQ1ALQ | 1893 K4JKB K5TN | 1879 DL3LBM RD9M | 1870 DF1KG I1YDT I8OCA KU8X N6QI SM5FQQ | 1863 JA1PAH WO9S | 1854 5B4XF KJ7TEA W1EG WA5POK |
| 1901 F5JSD JP1HDK S58J | 1891 K6XN LA9TY W6AER | 1878 K5AB K5KG K9AU K9UQN N2NW RA4WE YO2KHK | 1869 JA0MRW JH0EQN JJ1TKN N6ZN RU1AO WK7E | 1862 DJ5IO JA1GUC K2CIB | 1853 K3WWT N2ZZ N7MQ W2RIJ |
| 1900 FG4NO JA7BSD JH2VVH JH7CUO JH7IMX PT7ZT W1AW W5KI | 1890 W8QID | | | 1861 JK1VXE N1AC VE3YV | 1852 JA4EVN |
| 1899 N4TOL WB2BIN | 1889 IK6GRT JH0OXS | 1877 EA7QW N4HN W0FS YO3JF | 1868 DF2UA G3SBP JA8AZN N6AX SV1OZ UA1ORK | 1860 DL5KUA SP7ICE | 1851 JA1UTZ JA7GYP K2TER N6GP NS4P W2CDO WA4QMQ |
| | 1888 IV3ARJ MM0BQN W4YCH | | | 1859 IK5FKE KF7F W5JMW | |
| | 1887 DF6TC | 1876 AA4AK | | | |

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|---|---|--|---|--|--|
| 1850 DL4FAP DL6KO IOLYO IT9AAI JA2KTP JA7JPZ N3XM | W0KCJ W5UE | 1830 DL8FBD IT9BLB K0OK | 1819 AA4DD K5UZ WB0N | 1809 CT1DOF VK5GR | K1IFJ KC5LK KE8KMX KF9UG N7ELL S59DKR |
| 1849 IZ8MBW JA4CZM ZS6NJ | 1839 DJ8OG W1KDA | 1829 KD1F | 1818 7K1CPT K0THN K3AJ YO9BXE | 1808 EA2AFV JH9AUB N3RW W0MU WB2NPY YL2CA | 1797 KH6M |
| 1848 JE6HGL | 1838 DJ1TO EI7CC N9YB | 1828 JA1QIW K3NF | 1817 N2ZA WA4BIM | 1806 JR6IQI PA0MBD | 1796 K2IXQ |
| 1847 AJ8MH VE1OP W1WLW WB4QOC | 1837 CX2CC EI2JD HB9IIO LY9Y | 1827 HB9DDM JG1SWM N1IA UA9FFV WW5G | 1816 G3WW S52FW | 1805 CT1BXX JH7WQX W6BK | 1795 JR1DQK K5ZD KA9OKH RC3FL SV3ICK WC4B |
| 1846 JA2XW W4PNY | 1836 G3YQA K0SD N3OC WA6SCW | 1826 K5OT YO3DDZ | 1815 IW0BCF W1PX W3KB WD4OIN | 1804 K2RET OZ1HPS | 1794 I2YWR IK3ITX PA0VLY SM0BYD |
| 1845 WD8NVN WY6N | 1835 JA6HQT PY2GG W0ZD WC4X | 1824 DL1HBT DL7APK IK0EFR JJ1KZZ W4DEE W8OM | 1814 4X4MF AA9LC HB9FBG LB2HG | 1803 VE6KC | 1793 G4ZOY G7VJR JA0EVI |
| 1844 N8SHZ | 1834 AG5W N6MXU W6WF | 1823 LZ2ZG NI5F SQ9OH WY1G | 1813 EA8DIB JI1LAT K4JWA KB6CIO VK6LC WC7Q | 1802 JH7QLR JH7VTE K2MK KE5PO | 1792 DL3EA JH4RLY JR6GIM |
| 1843 KK4CB N1MD | 1833 K5ZQ LU8ADX W5DM W7IB W8CD | 1822 HL2ZN WB0TVY WC2K | 1812 K3MSB W7CD | 1801 IK0WRB K1XV N5PR | 1791 JA2OLJ W3DM |
| 1842 HB9FMT NE9Z VA7ZT | 1832 JA1XEL JF7ELG | 1821 K3GT YV5LI | 1811 IZ3BJK N8NA OH2RI | 1800 JA1DOT K3GGN VE3YXO | 1790 IZ0GYP JI3CJP SV8RX W9CSX |
| 1841 AB2E NA9Q W0DD W8ZF WB2AQC | 1831 KD5QHV N9PGG SM3PHM VK3FM | 1820 DL1TS JA3EY K8ZM W1DYG | 1810 DL1DWT NM5Z NU7J VA7CRZ | 1799 JE1IBI K0MD K7GS W9MO | 1789 IK2ZJN JI3BFC |
| 1840 EI6IZ K2MP | | | | 1798 DL7KL GW4BKG | 1788 HB9TOC |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| JA3HBF | W6TK | W8NGA | 1762 | 1751 | 1741 |
| JA4SSM | | WA0SXV | AB4GE | KR0P | JA6AVT |
| JG6NGS | 1780 | WB4GLI | JH2AJY | LA5XGA | KW4CQ |
| K0ARS | EA2AAZ | | N1API | | N0UN |
| K4WM | IV3KCB | 1771 | S53MJ | 1750 | |
| KD8F | JA1PPW | K3SV | TI5CDA | AL7TC | 1740 |
| KT2C | JA7FAS | N7BD | | JH6PFY | CT2GLO |
| LA1U | K0GW | ZL3RJ | 1761 | N9AOL | DK5QK |
| N5FF | N2GZ | | HB9BOU | W3US | K3NQ |
| | N4PYI | 1770 | RX3APM | W4CCS | N1KDO |
| 1787 | W6OD | EA4DL | | W8NN | N5EPA |
| KM7R | | JA1UII | 1760 | | RC2A |
| ON8GT | 1779 | R3CR | DK0EE | 1749 | VK7CW |
| | JA6GIJ | SM5YOC | HB9TMW | K2JL | W3HKK |
| 1786 | K5AV | | JA8IUB | N1NU | WC0W |
| AA7XT | | 1769 | JR1EFG | N6BM | |
| G4AFJ | 1778 | KE4KY | | | 1739 |
| N2CG | HB9AWS | WC7N | 1759 | 1748 | AD6ZJ |
| | JF1WLK | XE1VIC | JA0NZR | DF7AP | CT1IZW |
| 1785 | JG1LBN | | | DL5NO | EA3WL |
| JI8PDC | JH1ILX | 1768 | 1758 | DM2HK | K4EB |
| JJ1CZR | JR3QHJ | K7LAZ | KE4S | JG4NNS | K6RG |
| JL1BYZ | K6UFO | NE1F | SM5GLC | OZ1ACB | OE1ALW |
| K7NK | S50B | | | RM6B | UN1O |
| K9QFR | | 1767 | 1757 | | |
| R5DU | 1777 | K0QQ | JH4JLV | 1747 | 1738 |
| W2DXE | EA5AR | KV4AA | JJ2FBG | JA1ETN | F5RQQ |
| W3UM | JA7DYJ | VE3VC | JS1NDM | | N0STL |
| | | W1SLF | SV1NJW | 1746 | N3MK |
| 1784 | 1776 | | | SM2DMU | N4GU |
| EA5DFV | JR4LZX | 1766 | 1756 | W1EL | NA6O |
| I2TZK | SP3AU | JG1HVC | F6KOP | | |
| JA1IAZ | W8GEX | LZ1MS | G4FAL | 1745 | 1737 |
| JJ2ONH | | N2KX | JP1LRT | SM5ELV | DL9EO |
| JM1LPN | 1775 | N5QS | K5CR | | K1DX |
| LA8AW | BA4TB | SP5ELW | NE9R | 1744 | W3ML |
| W3MF | I8YAV | TF3DC | YL3DQ | EA4DEI | |
| | WA2UBK | W6DX | | JA7MAD | 1736 |
| 1783 | | | 1754 | JJ2KUJ | KB1HY |
| IZ0CBB | 1774 | 1765 | VK2CA | K8KI | N7MB |
| K4SX | JH1FVE | K7XC | W8RV | K8SL | N7UVH |
| R9MJ | | | | KL7TC | |
| UN7JID | 1773 | 1764 | 1753 | RX6DX | 1735 |
| | AJ7G | DS5RNM | RD8X | | JA5DBE |
| 1782 | JH1XEF | HB9ZS | | 1743 | K7FL |
| SM0XBI | K0EOO | UR4IOR | 1752 | K0HD | KW9U |
| W1UK | K4WY | UW7UA | AL7R | K1RH | RN9CM |
| W3TI | OZ7DN | VA7RY | JF2HPA | WA5NFC | RU6K |
| | PY2SEX | | N7GR | WB5NHL | W3FJ |
| 1781 | | 1763 | N8HRZ | | |
| DL1FKA | 1772 | IK4THK | W3NS | 1742 | 1734 |
| JP7FSO | K9PG | W9ZJ | | DL7JRD | 5B4ALJ |
| K1DW | UW2ZO | | | K5ALQ | JE0ART |

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|---|--|--|---|--|---|
| JE2KSM JJ1QUV | 1726 DL9GTB IK3DVY K1OT K4VNY | 1717 JF1KMC SP7CVW SV1GRE | 1708 HL2VA IT9ZZO JA1SHE JA4IXI JH1SBE N8VV W5UHQ | NA4MM NK7C WB2RAJ | W0AD W1UE W4LIA |
| 1733 JQ2QHQ N6WM | 1725 JH1FNU N6EE V31MA | 1716 9A1CKH DK1EI K7WE N3RD NO9E | | 1699 CT2IUK WA6G | 1691 K5TR KE5FXE N6KK NS3L NX8Y W8BLA |
| 1732 DL8TV IK1UGX IK6EIW JA5JUG KA1DJ N4DWK | 1724 F5JY JA3CSZ VE3SKX YB1TJ YO3AIS | 1715 JG3WCZ K2CYE KK5OQ N1CGP N4TD OZ8X | 1707 AB2RF K9RE SM5CSS | 1698 HL4CCM K5PC KF7NN W8SAX | 1690 DJ6NI K8ZZU W6RFF |
| 1731 JA9NUN KR4W N2RR SM5BS W6WA W9GXR WA9JWL | 1723 DL9OBY JA8EIA | 1714 DL5CL JA1VRU JR0PJR K8JE LB7ZG N7KO OE5TXF | 1706 AC6HY IK4DKO JA4MMO PA3BWD W9BP | 1697 9A1R AD5WB JH1IZR KK9T WA4MIT | 1689 K9ARZ N3NR W2PP W4GMY |
| 1730 AA4LR AG7N JA6JNF JE3EDJ K5TIA WX6V | 1722 IK2GPQ JA3UNA KG8CW M0IKW N1WQ | | 1705 K7GQ WY0V | 1696 HB0WR IZ5YHD N4AOE NA6MG RA0R W9GG | 1688 AA0ZP K5MT VU2DCC |
| 1729 DK4PE I7PXV LA2GH XE1FAS XE1L | 1721 DM3ZF EA2J W0PR | 1713 HA7LW ZS6UT | 1704 HB9CQL JL1GYZ KF4ZZ N7FU SP5JXK W7FP | 1695 JA1FUI JH3HGH KF4VTT LX1DA | 1687 EC6AAE KU5B N2LQ N3TR R6FFB W6FL W6GRV |
| 1728 AA4M OH1HB | 1720 HK3PJ KK0DX N4XYZ | 1712 K8SIA | 1703 HK4L NA2X W9ROG | 1694 4X6GP K4KEW UA1ANA | 1686 AC5AA AG3V F6DAM JA1NRH K6LRN LZ2HM NA4M |
| 1727 IK7YTT JA1KXT JE4CIL K4AR K4QE KR8T N7HN | 1719 AE4CW G0BBB W6SFK WA2MBP | 1711 W1KMA | 1702 JG3HBO JH1MFN JH5HDA JK1SQI KM9E | 1693 EI9FVB K4AV KF2TI R1QA W2GS | 1685 K3XO KE0A VK6OZ W1OG |
| | 1718 IZ1JLG K6CF ND3F NX2X WA6TLA | 1710 EU4A JE1HPM JG3KCX KG4CUY KS0M N8AYY NJ7G W4GP | 1701 CT3CD | 1692 4X1SK BV1EK CT1ELF JA3KZV K0KP | |
| | | 1709 JA7BME JE2EBT K1ZJA | 1700 IZ5FSA JA0ED KE5TD N9DR | | |

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|---|--|--|---|---|---|
| 1684 N9LJX W8UQ | 1675 AH2O IV3AVQ WX2U | WW8W | 1658 DL2JIM VE1JS VR2KW | K9EXY N5MT | 1639 I5XFD JH2GZY JQ1YIW W0JMP |
| 1683 VE7SZ W1JA W4JVN WA2UUK | 1674 JA1BNL JA7NLW KB1W ON6YH VU2LBW W1JQ | 1666 EA4UV F5CT JA1TD JR2PZX K7AWB OH2LHE | 1657 SM6AOU | 1647 DL4UCS JA5QAH YV5KTM | 1638 JA1NLX KR4BD LU1FAM N9TK |
| 1682 AG4Q K4MIJ WR2K | 1673 EA7DUD HB9DQL N8PCN NU4I WT3Q | 1665 JF3LGC JR4CZM K3MD SM2EJE UA0SC WA4MME | 1656 DK3QM F5BEG N2CQ W0KEU | 1646 HL1AV IZ5EBL N0AMI N0YY YO3VU | 1637 DK3BK JA9RT NA3F |
| 1681 JA1JYE JA3AVO JJ0NSL K9MUF N5PG OK1DX RL3AW W4UEF WB6L WF1H YO3FGO | 1672 G3YBO K4WW W1FA ZL1HD | 1664 AD3C DL8SDC IK1MEG WE2N | 1655 GW4MVA JA1HSF NF3R PB2A UA3AKI W0BBI | 1645 GM0VRP I2EAY IK4HLO R7HF R9JX W9MR | 1636 RN6AJ |
| 1680 W1MR | 1671 AC0X W7QHE | 1663 GW4TSG IK0XIH JI1MNT K8AO | 1654 JE7RJS RN3OA SM4CTT | 1644 EA4DB EA5HM JL1WQO JR7ILA KG5UZ VE3MM W0BM | 1635 AA4A JA1DCK YP3A |
| 1679 7L1CXC JA4IYL JK7LXU K9SO N4FN W3UL | 1670 N4BAF | 1662 DL6UNF JR0EQQ N8NB | 1653 K8ZT/QRP SE2T | 1643 HB9HIT K4FX KO6KD PY2DV | 1634 CT1BOY F6GCP JA7MYQ JM1JIV N7RD US8UA |
| 1678 9K2BM | 1669 JH2AQI | 1661 K7FEL KF2T RL2A WA7BNG | 1652 GM3WIL K3WI KC6JAM KU4BP N4FY N4ZR VA2IG ZS2Y | 1642 DL1EK K2QB KU2C W1HEO | 1633 KI6X RA6AAW RW9SG VE3IQ W7JW |
| 1677 DG5LAC DJ3XG EA7BJ KM4NS | 1668 7K3QPL HA5LQ HB9BNQ K2DC NE3H VA7KO W5HD W8NJR WA1ZIC | 1660 AD4AA IZ6CST LA4WJ ZP5YW | 1651 N7VPN | 1641 DJ7JC JA4HFX K3WGR | 1632 AA3TH K4GO KN7Y N4NR S51MA WF4G |
| 1676 JE1PHH K2RR PA9M VE1VOX | 1667 4X6UU AE5B EC5A K9GS W9RXJ | 1659 AA6RE AJ8B JA1PBV JA4GXS | 1649 K3LR N5PA | 1640 K6XM N4XMX WA3FRP | 1631 K6UNE K7CMR PT7DX SM5BNK |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| SP5UAF | K5IB | 1616 | 1608 | 1600 | 1592 |
| | W1OK | HK1X | AA4FU | JR5VHU | DL5RDI |
| 1630 | W7CP | I5FLN | EA5K | K4AB | KU2A |
| JR1CAD | 1622 | JG1BKX | I0KDF | KB2XJ | VE7CV |
| K7HC | AA8SW | JJ2VLY | JA2CUS | VU2CDP | VR2XLN |
| W5BK | EA3ELW | 1615 | R3IS | W4QK | |
| 1629 | KF4NEF | JJ1HNC | W5ZE | W6BCQ | 1591 |
| DL7UIO | NW7M | W4MA | 1607 | WA1EHK | JF1WQC |
| JH2BNL | 1621 | W7IUO | N9AKR | 1599 | UT5URW |
| KW3W | K2SD | 1614 | ON6NR | KO8SCA | W5VU |
| OT1A | W6CUA | IK7HDY | SM3DXC | W0QC | 1590 |
| 1628 | WB4VAM | LX1CW | WB1EAZ | 1598 | JR3TOE |
| N4MEC | 1620 | OK2ZA | WB6BFG | CT1ELC | K4KL |
| N8GP | 9A6ST | UA4PK | 1606 | IV3FFI | SM5HJZ |
| NW4M | I7LGM | W5WLA | JJ1PFC | IZ0ADG | W8MIL |
| SV1BYI | KC9FFV | 1613 | K3KY | KB5UNX | WB7QXU |
| VE1RGB | SM5OJH | IW5AB | W7VS | KI8L | 1589 |
| VE1SK | VE1JF | JA2ODB | 1605 | N4XX | AA3AZ |
| 1627 | W7YW | K5EWJ | V51YJ | W7TUS | F6FYD |
| EA4EPY | WA4NUF | K8OD | WA9BZW | 1597 | IZ4AIB |
| HA2NA | WB4DNL | OE1PMU | WF5E | I8MTQ | JA2HNP |
| IW9HII | 1619 | W6OUL | 1604 | K3IE | KE9U |
| N8AGU | DL5AVJ | W7LGG | JF1MTV | W5RYA | KZ7N |
| W0ZS | I4JED | 1612 | KC8RP | XE2MX | 1588 |
| 1626 | JH7IQQ | DH3KM | N9IO | 1596 | ER0FEO |
| KF1C | ND7J | JE1CTA | PY6HD | N8DUY | FM5CD |
| W2RA | NZ5O | KM2E | W6ZQ | N9JCS | KE3X |
| W4AG | W0SD | SV2CLJ | WB5STU | W6KGP | N3ZOM |
| WB8BZK | 1618 | 1611 | 1603 | YO9FQT | N9MR |
| 1625 | AD4Z | G4FTC | K6KZM | 1595 | 1587 |
| RV4LC | KE6V | IV3TMV | W5NUT | DK5HZ | JA9ESZ |
| VR2CH | KF4MH | JA1PCM | WT2P | NO0B | JG1OWV |
| W3OOU | UA0FDX | JN1NOP | 1602 | WA6EZV | JG3RWX |
| 1624 | W5LO | K0SRL | K0COM | 1594 | KF2OG |
| HB9DVO | W8WVM | K6LPO | K1FT | E74A | NU4E |
| HB9DVZ | YO9CEB | W2UDT | K1LEC | JJ6WZS | RO7T |
| JR1WYW | 1617 | 1610 | K3VAR | KD0AA | VE1HQ |
| K5HK | JG3KLF | JA1GVT | K4OCE | KN4PPD | 1586 |
| K8YE | JR0QFA | JN1XNI | NY4I | NU2Q | IZ8EKL |
| N8WRL | JR7XOD | OH1WR | VR2XYL | SK0QO | JE7ETY |
| TF4M | K0CF | W2GFF | 1601 | 1593 | JR1JGA |
| UA9CNX | KC2SST | WP3R | KY9KYO | HB9AAA | K4GK |
| WA5NOM | KM8AM | 1609 | SP4K | JA3EEM | KK9M |
| 1623 | OZ3SM | JA1CCO | WI7P | K3GW | NK7Z |
| IK2QEI | WB2HJV | ON6KE | YL2TD | W1ASB | SV8LMQ |
| K1AJ | | WJ2R | | | VE6SH |
| | | | | | W7TSQ |

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| 1585 7M2PDT JF3SFU K9QJ KE4SCY KN4JX KW4J W8PI WD8KND | 1578 AA4UC DL6GBM JH1AQN K4QD K7LY ZS1DX | XE1R | 1562 YBONFL | 1553 HB9VAB HL3ERJ I8KHC JP1SRG JR1AIB KE4BKL SV2BXA SV3KH W4CSW | JG2CNZ K6ZP KD4SN N2ZN SP7QHR W5MO |
| 1584 I1PLX JR0AMD N6WT VR2MY | 1577 JA4ICR JL1ELQ K2ZD K8DE W6HDG WS9W YV5AM | 1570 K2WJ N7GCO W9HP | 1561 E73W JL1VAL K9CJM W8JA XE1YD | 1552 JA1MLY JH8JYV MOVAA NE0DX RA9SC WN7J WQ7B ZL3TE | 1547 G1VDP JA9APM JH2AYB K6QU N7OJ WA3GFM |
| 1583 JH3KAI K4WFM KJ5PQ KL7TS N6DHZ | 1576 JA8ECS K7CU N1LID W5WI | 1569 AC9O K6BZS RL3BZ SP5LKJ UA1TAN | 1560 K0NV KG6D ND1Y UA1CKC | 1551 IK1ZOF JA0NPQ JA6GXP KD4POJ LU4FW RD9U | 1546 JE1LPZ JK1MZT OZ2RH |
| 1582 F4GVO JK1WSH LU2BA N0KK NZ6E PT7YV W4UFO Z32ZM | 1575 DD3KF JA1NQU K0PC K7LFY UR4CWQ | 1568 DL6DQW JA0CVC LA2IR W3OU YO3GOD | 1559 JG1LFR N0OK ON4ACG | 1550 G8BCG JA8RRF N6EM OZ1RE W9LN WA4USA | 1545 EA4DUT I2DMI JL3OUW |
| 1581 JR4VMS KJ9X LZ3CB WF8R XE2YWH | 1574 AB0RX JA1XUY NM9P PT2ADM RU3A W7/DL1UF WD5BJT YV4DYJ | 1567 DK5JI F6DHI IS0MVE | 1558 KI4TZ N6VS N8IL | 1549 AC6BW DL3NSM IK0TUM IK7AGT K1CBK K5AC K5RKS K8LO NY1V PY4AZ W5SUM W9WO | 1544 7L4VYK IZ6ERS JA2ACI JR3VMJ KC4HW N6NR |
| 1580 F5LIW JH8OCV OE6CLD WA6POZ | 1573 DL2HRT WA3GNW | 1566 E77S IK8YFU JL6USD N4MI | 1557 7M4CLF OE3JAG VK3KE W1JGS YV5KAJ | 1543 N5CQ RZ6DX SM5ACQ UA6J UR5WCW VE6BMX | |
| 1579 JF1AGB NA1DX NP3CW W9BS | 1572 G4AYU JM3GXU VU2IBI | 1565 JR3XUH KE1B W0FG | 1556 JJ2KDZ KK8MM N7TM R3DL RA3M WJ3A | 1542 JD1AMA JL3DGI MW0CBC W2GB | |
| | 1571 G4DYC HL5FBT JJ3FRB | 1564 IK4TVP K4MV N6RFM UT6UA W4KK | 1555 EA4D JL1OEC KA6A KK7YC VE4YH VK3TC | 1541 IK2RGT IK4YCQ JA1XPH JG1ULT N6VNI | |
| | | 1563 IV3BSF JM2QWQ N5EE N9DD W2DEN W4AEJ W4NBS W9QO | 1554 AA6K DL4MM KE9S | 1548 IN3EQZ | |

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| W4NE W8BI | VA2LM W6JZ | 1526 DS2BGV G4DXW JH1CML K8JJC LA7EIA UA9AGX | 1520 DL2CC G4RGK GU4YOX KY5I N6WIN SP3EPG WA3WZR WB4KTF | 1514 HB9ERU HB9GWJ KJ4R M0TTB | 1509 JE4FNC K0VM KB8GAE KG5VK N2YBB R3BM UA9MC W1MJB W4REX YB2TS YU3MAY |
| 1540 IW7EBE OZ1BXG WA2BOT | 1533 9A0W IQ2VA JH2KXN K6EGF KI7AO KZ5DX W1LE | 1525 EW2DZ G7SSE JF2ICB KE8G NU4B OM2DX UT3UX W8VI | 1519 K7DSE ND4DX UY2UZ W0PE W8AKS WA8CDU WB4SON YO9BLY | 1513 AB1J AG1I DL6DCD JA7BAL K3DFL K5DB K8EB KA5V N9CDX R7IA UA3DK VE4EA VE7UF W7FI WA7HQD WQ1H | 1508 DL0WW IK4DCX IU8IYE IW7DVM K5QR N3PS NN6K WV4V YL2EC |
| 1539 HL4CBX HL4XM N5ID PY2RN VE2BWL | 1532 HB9HBZ HK3CW K8ROK OK1FMX UT2AB | 1524 DJ7WG DL5KUT K0IL K2CS K6FM LY3BY N9LEO NV4A W3KHZ W8WM WR7Q | 1518 HK6K J11VVB JK1UVP K4HQQ LA3PK RK9UN | 1512 EI8GS HB9FBM JH6WMJ NV1Q RA9LT UW2XW VE7VF W1ZS W5FL W6GJB W6ZO WA2MCR | 1507 EA7DAP N0VVV SV1XV W0ELT |
| 1538 CU7AA JA4RED JA6ENL | 1531 VE7XT WS4C | 1523 EA3ESZ JJ1OKK | 1517 D2UY JA8EJZ JE3MDQ K4PKM W0ANZ | 1511 AD4ES DK8UH JA5JGY JA9RBZ JP1GUW N1PM UU7JM | 1506 CE3FZ CT1ESO DL1MEV I2YPY K5DV N5OHL N6DNU WR2G |
| 1537 JH1RVQ KD3HN KE7W N7TR RZ3EM VE3OTL W4OV W6DCK WW1V | 1530 5T5PA JA1DFK K7CMZ W3WST W7BEB W7BQ WA8LRW | 1522 CT7AUP DL2RD DL8DXF JA7GAP K0LB KP3AH KP4AA NR0P UA9LAO W5RZ WB2ZAB | 1516 DJ6TF EA5KA K0AU VE1DUN WB1DX | 1510 DM3PYA F4WDL N9CO PY2OP | 1505 IZ0FUW JH3PAS KT4AC W4WN WA3PTF WK9U ZS1C |
| 1536 DL5ZB EA5GHD IK4FNF K4CGY LA4YGA OK4YL W5FPT W9KVR | 1529 EA1P I1CMA J68HZ JA9IWR JL3JRY K4MY S59SV | 1521 SM6VR WA5UA | 1515 9A3MA CU7MD DL1MDZ IK1DFH JG6MQI N1ZJ W1XV WA0WWW WB1AEL | | |
| 1535 AA5N IZ0CKJ K0IS UR5WIF W4UDH WA8A | 1528 DS3EXX SP9TPZ ZL3AL | | | | |
| 1534 DF2WF DJ2VO K2OP | 1527 K1EO N3AO R7LP WX0Z | | | | |

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|---|---|--|--|--|--|--|
| 1503 G3XLF JQ1EST K8MN SQ7FPH UT7EC WB0OQV YB0DJ | N5VYS N5XJ N7QU NU0C OH3FVP OK8DD R5AK SM0HEV UT2VC VA7QI W4DTA W9PDS WA0JZK WJ0T WO5I WV8DX WW7Q WY7FD YB1RUS YB1TQL YL2BR YO8CRU | 1494 G4AFU KI4TWA W1GF 1493 JA3CMD M0URX 1492 JA2QVP K5NOF WW8RT 1491 DK3PZ I8NHJ JG2LGM K0JN XE1ILI 1490 JA6HUG JE1NVD N4MIK VE3QAA W4PG W5SWV 1489 F9CI IZ0COK JR2BJE K4SAF N6YEU W1LY WB8IZM 1488 CU2CE K8AJR W6JTI YO8RSL 1487 LA8WG N3AIU N5UE N6IG W4PGC 1486 DF7FC | DK8IZ JA6NEJ N7JB N8XI W7HUY 1485 DF9HI DM9EE HP3TA 1484 DL4FDM IK7YCE K0MFI LA9VBA 1483 4X1RU JA3WMS JE2VFX NW7US RU3UN S57UX W0OGH 1482 DL3IAC I0GKP NG0G TF3JB 1481 DL1USB DL4FCJ SM0NUE W2TX WB1ASL 1480 AA1M AC2G K0XN K8ZH PY2CP W4UW ZL3PAH 1479 EI1DG JJ1KXB VA3AYA VE3UTT | W0YK WA3SKQ YL2CZ 1478 A71AM 1477 K0BRO W0IKD 1476 JK1EBA N2BI 1475 G0SYP JI1UHZ K7QBO LX2SM 1474 AA5TL IW2ETR KX7DX W2GDJ 1473 DL0AVH KT8O LX1KC NX4TT W9NJY 1472 CT1BOH JH1APZ LU2DSL N6AWD W4WG 1471 4X4JU EI4BZ JA7QVK 1470 IZ8DUD K8GT KF0RQ WS1F | 1469 HB9CYV JM1ESG K8AJK K9DY KE5BR SM6WET XE1MW 1468 DC8TS DL5CT N9LQ W1FC WD6T 1467 K8LN N1EK 1466 EI4CF JA3MIO K3HW N9OY UA7T W3DQS 1465 AB9M AK7O JE3PCP K5YU K7VC KC4HN N4UFP N4WE YB2MM 1463 IW0AFS WB0ULX 1462 AL7LO DJ1OJ JG1LRE TF3VS VA3HP WB3BFC 1461 K6KR | |
| 1502 AD5MD JJ2NWI K6JJ K9LCR KB5HC KN7K WK8A YB4IR | VA7QI W4DTA W9PDS WA0JZK WJ0T WO5I WV8DX WW7Q WY7FD YB1RUS YB1TQL YL2BR YO8CRU | 1499 K4IE K5LY KF6A N7ZA SM5APS VE6TL 1498 K4AU KA2CYN ON4LG 1497 JR2IMJ K5YG K8LY | 1501 DL7UGO HB9AGO HL2DBP K2SHA KB1YNT KC9K KJ4YLO KU1T N3ZP NK5B NR2C ON5GQ R0QA R2DO UA1OM W5DXQ WB4CW WB9PNU WF7T YB0MWM | 1499 K4IE K5LY KF6A N7ZA SM5APS VE6TL 1498 K4AU KA2CYN ON4LG 1497 JR2IMJ K5YG K8LY | 1500 AA4US AE4AN DF8FT I4KYO IZ0MYH JF2SQB K1KI K1VI K4RDU K5VR N2KI | 1496 E73M JA8FKO JH0AHI JH1LAH K4TXJ SM2OTU 1495 JR1LZK ON7DR W8LR |

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| KN9P MOHIH | KU9S | W4QG W5FK W6SIY | 1436 KK4CLY KT4O N7JP NY4G | W4WJ | N0TK |
| 1459 HA5UK K8JRK S50U W0VHF | 1450 DJ5DT JA2BUR K2QMF K5OVC KI2D KT8D W4TUN W6FEL | 1443 JA1ERB N5DT PV8DX W8TM | 1435 A92IO JH1DSF JK1JAS K1WO NM1G VE3FRR W3WH W4GF | 1428 DL9MEN N3HBX | 1420 IW9DNI KM2L ON4CN UN7BY |
| 1458 JH7HIQ | | 1442 EA1AZ K3VPZ K4NC KO4PY KP4N NN6L SP7UWL WA8RCK WT1L | 1434 CU3BL JH8WXF KE1R N4ST OZ6EI WC2C | 1427 JF2SKV KF9AF W9UM WC1M WT9U | 1419 A92AA JH6WHN JR6DM LA9PJA N7KDT W6SHY |
| 1457 HB9HVG IK5EKB NC2Y PY3VB | 1449 DM5EM IW5EIJ KP4DS KQ5M ZL2CC | 1441 DL2VFR EA2AA UR4QFP | 1433 JA6SRB K1OYQ K3MM K7ORK KM2O W4HOG W6OPO | 1426 9H1EJ JH1XFR SM4GVR WA5KBH | 1418 K2HT TG9AJR W5GJ |
| 1456 LU2AH PB9FN W1EBM W5MF W5RDW W7VAS | 1448 KM4HQE NR0T | 1440 CT1DSV JA8BOV NE5S | | 1425 DL6NW HK4EI JA3BKP JH3PRR JO3WHB K0XR W2EQ | 1417 DL4ZAB NX9T PY3SB W8HB |
| 1455 AK6A ES1FB JH1XXB K2KIB UT5IP YO3GJC | 1447 AF3X IK0WMJ JA1PVX K9KDS WA3GM WM4AA | 1439 DL1VDL KJ6Y N2XQM W5LUA XE1EE | | 1424 A61BK G3PSM | 1416 AA9D JM1JZN WB1S |
| 1454 JA1UPT JQ1PCX W3IZ | 1446 DS4NPL JA1BON JA8ANQ K3SF KH6U N9HF YO9IKW | 1438 DF1IR IK5ZUK IK6ZDC JA3IWB JK1DDG K1TKL TF3Y | 1432 N9LF PS8ACL | 1423 IK0ZIO K4MQM N1BZ N3FG N4NQ W5AP | 1415 VK2AAH W2CQ |
| 1453 KD2SC WA4TII | 1445 EA1PP KJ4UZU NJ5N OZ9XU | 1437 AD7L G4PVM VE3BZ W0ZR | 1431 K5OO K8MVZ W4AO | 1422 I4ACO KB4CL W9SE | 1414 IZ5EKW JH5RXS W4AXL |
| 1452 EC7B KB4CRT KB7V W2SKI | 1444 DL2MIH JA0BOV JR4ABB K1KNJ KW1DX N3AE | | 1430 IW4CIL | 1421 CT1ETE CT1IW DJ4KW HB9DQD JA3AYU K0IO KM7DX | 1413 DL6NDW JA5XPD LU3VA N6XT RX3BP WA2VQV WB5ZAM |
| 1451 JA2XLV JR3ADB K4IA | | | 1429 AA4ZK CT7AUK EA7AN JJ1LID OZ2ABI TA1L W4HGW | | 1412 K7PO WN9O |

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|---|---|--|--|---|--|
| 1411 AI9U JE3FOR | DL5KW JR1TNE | KS4V VA3IC W5EC W7KW | 1387 JF1KML | 1378 JJ1BDX UA1CEI | K4JPD K6JW N2DXJ SM2LKW VE3TKI WB8EJN |
| 1410 VU3CAU | 1402 5Q2J I2KBD JA0HWF UA0SE | 1394 JH2KMK PY2DY W1DAR | 1386 DL2VWR JI3KHV KE4FW W0SHL W1GY | 1377 EA4TX PV8ABC S59DJK W4DN W4PRO | 1370 KP3V |
| 1409 JH1HLC N1RP W1PR W5KFT | 1401 JA1DXA JP3OIK K0LU K7PT W4LEW | 1393 NB3R | 1385 8P6SH K8WVA KG4JSZ N4QM W6BBS | 1376 EA2BFM GI4OWA JA2LHG N0YO NA2R ND7K ON6ZV RA3CO | 1369 I0NUM W4PGM |
| 1408 EA2AGV G3VQO JA6XE W5SJ | 1400 K2CYS OE1HHB W7NP | 1392 EA1BLA EI2HY KA1CRP NN2D VE3CX VK2HV WQ8T YB3MM ZS6IR | 1384 JK1LUY K8WHA RW3SU SV1IXK UN7BK | 1375 IZ7GXB JA7SFD KD2GC OV5O | 1368 N4LV PA5A SM0EUI W1GQ |
| 1407 JA4FKO K3ATO KC5PL N3WD | 1399 F5AQB JR4VEV N2ED N4UA NA8W ON4EB WH7W WZ8P | 1391 K7VV NI5G SP5GQX VK2GR W7AJ WB8FIW WX8C | 1383 F5EOT JA2JID K4DET N7TP NU1T OE1JIS OZ7AM | 1374 AA2DT DJ9SO NI7F W0MS W9VQ WX0E | 1367 G3VAO K0FF KB9AIT SV2DSJ W6ZPL |
| 1406 I0EKY K1ROA KB0V KN7D N4VN N5TF W6DPD | 1398 HL1VAU K0SQ KC2STA | 1390 DM3CW JL1BDI K4TR N8II | 1382 E73D NR4M ON8VM W0RXL | 1373 K1TWF TF5B W2PS W4TNX | 1366 HB9BEM JA2KQE K8GWU PY2HH |
| 1405 AF4CD F5IYJ K6XJ LB5GI N1WON N8HO WN7S | 1397 HB9BMY JR2PAU WI4T | 1389 DL6KWU I5YDO K5LC K7JH N0TR ON4CCN PP7LL | 1381 DK3TL KK4XL | 1372 AB6Z AC4BT OE6VHF XE2B | 1365 G3KAF HA5OLA HB9ODP N2FY OE7FMJ |
| 1404 AB6CF HK3J JH8KIY KB1DMX RN3QO | 1396 DJ8WD KF8PD NG6R YO6HOY | 1388 CT7ANG K4RW | 1380 KB9LIE N5XE | 1371 E70A EI5KO HB9ESS JH8LEY K3JWI | 1364 DL1QQ EA1NK G4ZWY JA1UOA JA2CGH K1LTJ N3KR W7PAQ W9GE WA8LOW |
| 1403 9H1AE AJ4F | 1395 IU0ICA JG2TSL JH3HTD JI8XLD K2DH | | 1379 I5GKS JA8EKU K6UXO N0IW N5HC | | |

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| 1363 9A3NM DJ8SN JA9CGW NX1P TA1AL | K5HTE K9SUH OE1TKW | 1349 EI5JL K2QL N3AF W4QNW | JK3GWT K4GHS W6HYI | IW1PUR K6DJ KD4OS KG4USN | YB0AZ |
| 1362 AF6PK DL2TOS JA1TOU K3SUI PT7CB R3BB UR9IDX W4RQ | 1355 HA5KFV HL3EHK K8EJ KI7HO WA6URY WB2KSP | 1348 AA7UN AE4M AK3E EA3NG JA1ITJ | 1342 AA8M DK8FS HK6P IK0PRG JA0JPD JF1JTQ VA3VET W6VNR WB2GOK WD9Q | 1336 AB5YI VU3WEW W8VK | 1330 DL3ANK EA4S JR2ATZ K3LA N0RR OH3TY WA9JOQ WD4IKI |
| 1361 KM4A OH6OK TA6N | 1354 AA8KY F5MZE IT9JPS IZ2EIH KC2THY W4DCY W4WX W8SET WA5TXY | 1347 GW0ANA IK2GOQ JR0RBY JR7COH K3BZ K6ME K7CO K8VD | 1341 CU2AF JA7QQQ JS2GFA K7CTV R9HBF W4UT WD8LTM | 1334 4X6KJ G0THF JH1OVY K7RR SM7DXQ W5TFW W5WS | 1329 K1APJ KE4WI N4KM W0GN W6HGF |
| 1360 4Z5IW JA6FEG JI1QIO N7UJJ RU3UR | 1353 3A2MW HB9EXQ HB9JJC W3DVY | 1346 JA6JPS K5DCW VU2ABS WA6KHK | 1340 F4BDG GM4YMM HB9JNM IK5LSQ JJ2PIK KB0EL N6VH W4TE | 1333 IZ0GVZ K5GM KY4G ND6S S57A YO3HOT | 1328 F5NTV KE4KMG N4SV SP3CMA WW1L |
| 1359 NN5E OD5YA WA1NXC | 1352 BA7NQ JI0VIF K2CDJ KA1API KA3CRC NC4AA S57AL WS4H | 1345 EA3HDZ F4DSE JG1IEF R7FF SP5DL W7XZ ZL2AO | 1339 HB9PUE IK1NLZ K1OR KM5VI KP4DKE VK8DR | 1332 DJ6BN JG3WJN JH1HRJ K4KAL KA3GWD KM4VI NA5S W8PAT | 1327 BX5AA DG1NPM JA1PUK K8MRT UA0APV W0IJN WR5Y |
| 1358 EA8TK JH2NWP K7STO WX5L | 1351 K1XE | 1344 IZ3GOO JA3BG K9HQM LU2JCW N5KA N5VR PY2ADR WA8VVSJ WX2CX | | | 1326 JE7JZT W3TC |
| 1357 7L2QAD CE3BT IK6RFQ JA1VRY K5CQT KC4GL W9ZT | 1350 AG6HE EU7X EW4A IK2HDF JA0NFP JA7JM JI1CYX K0QB K5EWS W4ATL | | 1338 HA7GN IT9IPQ K5MO SM2HWG WE8L | | 1325 SM1NJC SM5AKS W3NRJ |
| 1356 AD0K IK3GBG JA7OBO | | 1343 AA4EA AC6DD G4VMX | 1337 G4NBS IK0CNA | 1331 AC0B G4DDL HB9TKB JA3KWZ JL1BTJ K0YL RA3SD RW4WD WZ4RC | 1324 JI1JPJ K4MIL K6VV KI7M SM7BHM SP6OUQ |

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| 1322 DL6KVA G6NHU IT9CMU IZ4VSD JA1BWA JA9FO JG1BOK J11QZQ K2OO W4DVG W5JE | 1316 F4FLF GM0VIT JA2LWD JF7NNI K2JK K4IU WA2QAU WB2CLL | WB7BBQ | WG0G YB0MZI | ZL1ANH | VR2VAZ |
| 1321 DJ5EY HB9FAI HK3CQ K4LQ K4NST K7EKD R3QX | 1315 K2OGD K4JUJ N2BT VE3TM WB7VNY | 1309 JA3PRM K1WY K8ARY NJ0F OH1ECQ UB3A W1JMM YV5JGO | 1303 DL1SDH K0ABC K6GFJ W9RB WX3P | 1296 CE3EEA JA7FVA N0ACH NE8P OE7SEL W3KHQ WX4F | 1289 KN9N OZ7QB |
| 1320 DH4JQ JA1FVS JA2DLM JG1JPE K3JM KB8DRK PY8WW W1RG | 1314 EI3CTB G4IDL K8ZR VK5CE W2FCR W5WZ W8AF | 1308 DL1SVA HC8N J11DMH N4HGZ N9RV WD4IXD | 1302 JE1CSW JH8XVT K2MHE LA5LT N9AVY W5HMK | 1295 G3GAF G4SGX PA3FWV SP6DVP W2NY WB9DLC WR7T | 1288 HB9FAZ I5SDG K6RC |
| 1319 9A6T DL3ZH EA1EA IZ7EVZ RN5AA VE7VV ZS2I | 1313 AG5CN JA1DCO JH2PWW K4ZA KP3R NF7D TF8GX WA7HR | 1307 JH3LCU K1TZQ N1BY N9BVA VA2LC | 1301 AA4MM JA7DPC JN4FNZ M0OIA NA6JD OK2RZ | 1294 DK3FB KN6H PF7M W1PY | 1287 CT3BX DS4DRE EA6AZ JH3GRO KC4AA |
| 1318 K0HQW | 1312 AD0TR N4GBK NS7K W4PV | 1306 AI2S BH4SYG CT1FJK DJ4PT HB9FAX IK8MRD N2MEE W2FB W5UQ | 1300 EI7GY JE6UWU KJ7NO WU4B | 1293 IK2WPO JA1XQC JE7BUH SM2YIP W4DWS YO2LLL | 1286 DJ2RB K2DF N5TU OH3PYY VU2MSA W3/NH7C |
| 1317 EA1KE JH1CTV K7WK KD1AB KR4U N1SZ SM0W VE6SV | 1311 I4UUL KI9A VA7XX W2GR W4HM | 1305 AA6PI AK9B K0TV K5TU SP3FYX WD0EVR | 1299 CT1AUO DL6RA N1KX | 1292 N9NM | 1285 7Z1SJ K8LBT KG6B N4ANV W4CMM |
| | | | 1298 CT3BD N2SG N9OF OH1LR UA3GT YB1AYO | 1291 AE6Y JH1EVD K3GO K9ZG NT9F W8FAX W9MAK | 1284 JA1TGO K1PTF K5FXB N6DVR NN1SS RZ1OK Z34K |
| | 1310 IK0PRP JR6GHN VA6JV | 1304 4Z5GV DL5JS HI8CJ IZ8DEO JA3DAY KI3O | 1297 AB6L JA7JND JA9BEK K9JDP N8TFD TA2RC UN7TX | 1290 BG8PA DJ2UU EI3ISB K9JP N9MW UA1CGS | 1283 EA1AUO K8DJC W1DXH W2OL |
| | | | | | 1282 A71EM JL1IHE JR2BYJ K9MX |

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| WB2UFF WW4LL | 1274 IK8OZV JL4CVG K1BZM KB7AK W2UB | 1267 G3PLP JA4HDO JH0CLK K0GEO K3TRM K4ZMV KC1ERO OK1ADM W2XX YU1FJK | 1261 IK5BSC K3TLP VK3OT WB8YTZ | 1254 EW1LM W2FS WC2L WQ5T | 1247 AA0FT HB9ECS N6ORB NA5YO UA6XT |
| 1281 DJ9CW KB2ZPB KB5IY KC9G N4WD | 1273 JS6QOM | 1266 GM1BSG K1TU K4ZNC KB2S NG4C RU3U US5CB | 1260 IK2GAJ JE1CPB JK1PEC K8OS K9GY K9UWY W2NWU WC6Y | 1253 DL8DWL EA4XT JH8CFZ OH1LAR PY5VC WA0PFZ | 1246 AB6BT DJ9BX I2XIP N0VD W1ECS |
| 1280 JA3MNP LB2EG W7GA | 1272 EA5GXI HB9DRS JE4WOK K4FDP KB3LIX NA5NN RX3X SM5BFJ | 1265 9A2GA JE3OUW JH8NQV NN9X W3DIY | 1259 DF3FJ G3HSR JA6ATL JA6SQR LA4JGA LA6ZFA OK1MBW UZ1WW XE1GLL | 1252 AB9KZ K0KO K2RNY K5DNL KB4KBS KM4VJW LU5FCI MU0GSY SM4BNZ | 1245 9J2BS JJ1JMZ K2SZ K6EI KH6XT KQ5U N7RP N7WI VA3NXM W0CK W4ARK W4EJG |
| 1279 DJ4JZ EA7LS IK0PCJ JA4VUQ K4GN K9KEU WA2ALY ZS1EL | 1271 DL7ACN ND6G NS4X W5GVP | 1264 DL7AA HB9Q JP1EWY K0UU K8CR W2EJG WG9L WO4D | 1258 EA1K F4CPF JA2CPD JF7RJM | 1251 EA1WX HL4RBR K2GLS S51AD UA2CZ VE3VV W8LIG XE2AU | 1244 A65BD AA5B AA7X IZ2MHT NI4Y NN7X |
| 1278 JA7KQC K6LD PA7MM W9OSI WF4W | 1270 AA5SH AB2DP DL2AMD I0YR JA6JYM R3QJ RU3OW WM9Q YB1BML ZP6CW | 1263 HB9FAN JR2HRR R6MO YO2BS | 1257 4Z5FL IK8TEM IT9VDQ JA7DOT K1GND S51DV | 1250 AA6XV JH0AKV KB8U R4FAN SM3CZS | 1243 F4GTB IK2LOL WA7RLL |
| 1277 K7EV K7MY K9BO KO4PRE N3ER W6DVS | 1269 AF8C I1SOP RN0C W0ZT WA9PWP | 1262 7J1ABD IC8SQS K1FE K7RAN M3DFW NR8Z W0UVC | 1256 K1WNT VE3PJ W8SP | 1249 CT1HHP JA4CSJ KK6T | 1242 G6GA JA1AKL JA8DBU JK2VOC W4AVY WA8Y |
| 1276 F5TMJ I2LXA NY6C NZ0O WB8RFB | 1268 EA5XV F1JKJ I8PND LB2TG PY2XAT ZP9MCE | | 1255 JG1AID JH1SWD JH4VDP NE5W W3HER | 1248 NZ0T SV3RKM W8MRL | 1241 JF3DRI JH4CPC JL3JTD |

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|---|---|--|---|---|---|
| K1JX VE7VZ W1NT | K4LRX K5VG K6RR KD0S VA7DXX W1MRH W9GM YO3IPR | LA7QI N0FCD N7TK W3JXP WA3IIA | 1221 JA1QVR JA3AOP KF8HR PR7AB W8YV | 1213 AA5H G0OSK JH4GNE JH8JWF JI1BJB N9FH S57TA W4NK WA9IVH | 1206 ES2IPA K7SO KL2R N0ATQ W4UR W5SV |
| 1240 JA1SZN KO6LU KX6C | | 1228 JA3BLN K0PX OH1XFE UR7CQ W2KNG W7YED | 1220 HA3OU JG1IIF KJ9B OH2TA WA1HEW ZL3NB | | 1205 GM7NZI WW0E |
| 1239 CE3CT DL5MM N9EAJ W4MPY | 1233 DL4HRM JR3MTO KA9UVY KC9WPS SA3CAT | | | 1212 AA2IL DJ0AH F5VML JO1QNO UU2JQ W0MAN W1UU | 1204 G3CWW JA0GZZ JR4PMX SP6MAA WA9DU ZS6RJ |
| 1238 4X1VF DL7BO JA0AVS KD5R LZ1XL VR2PX W6PG WC4V | 1232 JE4RAL JJ1DJW JS2KWL K3CWF N8NH SM6CGI TA1PB WB6AXD | 1227 G6AD JA9EEH KF5WCP WA0BZA | 1219 CU3HN KQ9J WA4TMJ | | |
| 1237 EU4T IZ2USP K5NV KC4PX KR0O N8RF PY2AB VA3OKG | 1231 G3YSX IK8PGE IW2BZY JA1PLT K1EDG K4EQ KJ5Y LB8OH W2FKF | 1226 DL3BUE EA7AZH HA5FA HB9DLE HP2NG K1PT N7TW PJ4LS | 1218 AD6DK JH6IMI K4VZ | 1211 I4FTU IZ3KNK K3XC OH3KAV W7JET WX0Y | 1203 JF7DZA JH8DBJ KA7CVJ KS4XQ NC7B ON4AGX SP1NEN |
| 1236 EI5GM JA6MWW N8KU OM0AST R2AB | 1230 DJ4DN JA1QOQ JA4OPW K0ZR KX9X N9QQK SP7MOC W2IZN WA2C | 1225 DL6WT | 1217 EA5IAG VK7ZE W0VD YB0EIN | 1210 G0FWX JL4BSE LA1CO N6XG | 1202 IW4EII JE7LHT K1QN K2RSK N8WD WB9B WP4CQ |
| 1235 EW7A JI2EMF K9AAN W6IZT | | 1224 AB4FH JH4ADF NX4D OK1UU | 1216 DF2QC HI3R N2WM WF4B | 1209 DF7GG EA5BD EW4C N6MA OK2FB | 1201 5P5Q HL5YI IS0/YO3RA JR6PGB K9AQ PW7T W4GH W6CN W7RN WA4YYM |
| 1234 IK0OZD IZ0FYW JA4MEM JH0LME | 1229 EA1AHA JA1IFD K3PH K4MQ | 1223 AE9DX EI7JZ JA1CPU JM1CMA K9IA W4DSM | 1215 CT3DZ JA1JMF NY7T W1MO | 1208 KN4OK LA6FI | |
| | | 1222 K4NTO K5SES W5RY YO8PS | 1214 AD7XG EA4EJP JA0BES JA0FLL K6VVA N5RZ WB9IWN | 1207 DJ3CQ JJ1REU JL1JVT JL1MWI NS4F WB8EKG | 1200 AB5GU DD0VU |

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| JH6RTO ND0C/QRP OH5XB W7AAD YB4CHP | R2ARR R5AA W5IO W9KB | 1186 CT1EPJ OH1TSM W4BH | N9IXD SM0BSO W4NF W5XU | 1175 CU7AJ DL7XU JH8LLE LA1J LB7Q N8QGC NT5A W6NK | 1169 7N4OBV ES4AW JS6SCC K2FJ VE3XB W4HVW |
| 1199 JA0TEA KF3N N2ZL N3RR WE2K | 1193 EA5FCW IK5IFH WB3AVD | 1185 AB1QB JA1EYN K0XM K8ESQ N5YY N6KJ | 1180 G8APB IK6DEN JA2QPY K0AFN K2SG KD9ZR N5EKO N5WNG WO3Z | 1174 EA7/LA9DL IK6CAC JA2AYH K6AWR N4LSJ VE3GYL W4SKW WE9A | 1168 IK4RQJ NE1RD NT5O WB4M |
| 1198 DK3HV J11FXS KA5VFU PU2POP SP9IZV | IW1CAB JF1CPH LU5OM NC6K | 1184 DL6ZBN HA8FW JA7MNF JH8BOE K4JGR K7YZO LU2DX N6DW | 1179 EA2RY IU4CHE IW0AGX JA2HIJ JR6LDE K4RM UA3NFI UA6FZ W4GHW | 1173 DJ3GW DJ3XD JA6CM JF1KIG VU2DED | 1167 9A4BL I1FBJ IK2GAO K1RM K4CSB N9AZZ NA4CW |
| 1197 DS4DBF HB9ACC K4GM K4OP N4TZ NW6V RU0A | JH1CJQ LU9DO OZ9GA W0SA | 1183 IS0EBO K4RP K7MO K8RCT KL7NW N0LD N2RD N8WXQ VE3VGI W7LEA W9FXA WA9MAG YO9FLD | 1178 4F3BZ AA9WO AC6T IK6IJF K1IB KT5V NC7M WA6QGH | 1172 EI8KN JA4BUA W1FZ | 1166 DJ6TK F8EZE W5CWQ |
| 1196 DL1ECG EW3CW GM5YTT JA6WIF JE2RBK JK1BIB SQ8J W3ATV W4CIR WA8IQF | 1190 DD1JN HL2FDW IV3BBR W1BYH YT7T | 1182 HB9EBM KD3UY KI5T N5KUC W4HY WA3WNT WM5H | 1177 JH1EIG W1HS WO5D | 1171 6K5AQY DG5DBT JA1DIO KA3S W4ASE WU7X ZL2LW | 1165 JT1CS OH2BC PA5CW W4DFU |
| 1195 JA7FSB KE2M LA8PDA N4WMB UN8GA W2OSR | 1189 AA9AA AF3K G4YCS HB9HHH K8TS | 1181 4X1UF JF2QNM K4RMM K9BQL KD4EE | 1176 CT1DIZ IK2WSO IZ3XEF JA4DEY JA9LSZ KB8KIM OZ1DSD VE7ON W9LQI | 1170 EA6BB IW2CAM K3SW KB9S LZ1CY N0SL N2YF PA2R WN0L | 1164 JR1FHP OZ9U |
| 1194 DF5DH K2RKJ N6VI | 1187 G3EKJ JF1QQK SP2DW | | | | 1163 EA3HSO HL5FEI JA3EUB N3PV N7FF NI8Z VE3NJC W9FF YO4NA |
| | | | | | 1162 DL9GOA IZ8EYN JA2PTQ |

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|--|---|--|--|--|--|
| N5FEE YO9GJY | N7NW WD1M WU2G ZL3REX | 1150 JH8CXW K7QA KK8X N4UP RM4C W7MD | 1144 EA5DKU F6IMB JA3RAZ JE2FJI JR1KAG NA7RH W8GU | 1138 EA1IO I8DPP K8POM LA4RT N3YZ N5UM W4ATM ZS6NK | 1132 JH1GNU KK4MA UA9JLL VU2NXM |
| 1161 AA4OC N7GVV N8DC UN2G W7BJN | 1156 K1VSJ K3WJV KM8V PH7A | 1149 AC9A IT9DDS N8AID SP5AMN SP5NON VE4GV WB2AA | 1143 EA5BZS ER1LW F8AMV N6TR R8IA UA9AEU W6MYN | 1137 F6BLP JH7RTQ K7VL KZ2R NN5G RA0LQ | 1131 SV1IZY YO5OEF |
| 1160 AG5Z DD0VE DM1DK F5DBT F6FFR K0FD N5OP NZ3M VE2NGH | 1155 K6ASK K7JY KV8P N2CJ SP7ASZ W4RS WA1NLG | 1148 JI1EIX OM2AGN WB4KTC | 1142 JH1HGI K0JJR KS4WA OH2DW W1ES WA5YOM | 1136 AD4EB CP6XE EA1T JO1ABS K8CC LZ1MDU N1RM RN3A SP5ZCC VR2IL | 1130 F6FNA IK2CMN IK6CGO JH2MYN K3RWN KG2GL KJ6MBW W3XX W4CC W8TOM |
| 1159 JF3VEC K2HJB M0MVCV N6TV NT6AA RA3LAL S51DD | 1154 I0KRP JN3ONX K5CKS K9UO NC1M UA9OR WB9WHQ | 1147 DL4DW IZ1JIZ JG1WNO K0UBR K4ZXV K5WQG KA5SYP N0AB UX7VA | 1141 JA1SHC JA7MWC KZ1X OM3CND | 1135 EA7LL HB9FUX HC1HN N2WN RN7G VA2MM WA3YZD | 1129 AK6I BD4SX DF2UH DH8GV HL4GHT JA2THS KB4EE N3OUC N5BA UA3LIU W7AM WM1G |
| 1158 DD9WG JA2AXB JA3AAW JA3VUI JH1BUO JI1SVY JJ1IRS K1YT K6SY W6IS WA7YAZ | 1153 EA1WH IT9YOZ IZ0LNP KD8FO N1FOJ VA3YP | 1146 DF3VG LA3DV NG3J ON7LX R0SR W3KN WA7AVL | 1140 DJ9FK DL1DH JH8FIH K1BG K6UIP KB7QFE N9RE NW8U WQ5C | 1134 IK0UUM JF2ERJ K4ODL N3GS VE3KKB W7VV W9HZ | 1128 AK4AO DS5JMG JG8NKJ K7KJ KB8DID N8IK W4MC |
| 1157 A71XX DH5JG DK1AX F5VMN IZ4ORF JA5CDL JA7GDU K6OJ K6VHF | 1152 GM0NAI IK0FUR IK5ZAJ KP4JRS KP4P N6FS VK4BUI WA8NLX | 1145 DH5MM JA5BZL K4HEB K9QA KA5M KN8F N5RN YE9BJM YU1JF | 1139 AI4QQ JE2VYM JP7SOZ K9YZ SP9PRO SV7CUD W5MJ | 1133 AD4RE SV3EXP WA4AFE | 1127 DL7LX DS3EXT G3YFE N1HO N9ATF VE9VIC |

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|--|---|--|--|---|---|
| 1126 JR1HYA KO6UW W4KVS W5HY | YO9FFX | WJ1B WO6T | AD4XV AJ4IM DL3NM W3UTD | JA8NSF JL1QDO RN3TT SM6TKG | 1098 AC8TO CT1EGW DJ3EJ E72AD IZ2CSX K2UT K4OTV K5YAA KA8YYZ N2MFT PA1MVL SP8MVC SV4FFL VE3FAC |
| 1125 7N2JZT F8GB JH1BHW JH8MZF JP1GVC KI0KN N2IC NZ7Q SK5PZ W6LZ W8QXR | 1120 JH1LZU W0UY W1RZF | 1114 4F1OZ JA0HXV JA4DLF JG3KMT KA4H KE1IU KK4BZ | 1107 DK2GP EA1AA JF1MUI JF3AHI K6IRA KE3ZT N4KEB VE7ACN | 1102 DS4CNB F8DZY K3NW PA5O VK4OQ | K5YAA KA8YYZ N2MFT PA1MVL SP8MVC SV4FFL VE3FAC |
| 1124 EA8TZ K0MP N1AAM VE7NY W1ATV W6AYC W8WRP WB4PWZ | 1119 AB4H HC1HC OH8JK SP6BXZ WN1M | 1113 DK4MX DU1KT JA7PPK LU1HLH N8JS NT9E UA4CX W4PJW W5TUF WF7B | 1106 G3PMR K0KM K2UF K7IA K8CJY KO1I LA9KY PA2TMS RT0Q W0QD W2ZQ | 1101 AB5RM AC0DQ IT9RDG IZ3DBA IZ6ELF JH1URT LU7HN N2SU VE3EDY W1XK | 1097 AD6KQ AG8L JE3CYW JH7XPW K0YY K5TDA N1UZ N9EN R3LO |
| 1123 AC7ZG G4VWI I1LGR JE2SOY K4VAC KK5J PY2FZ W9AP | 1117 AA2WC AB9YC I2DJX K3HPA | 1112 DL6DH JL7BRH JM7TKK KN4FO N6RVI W5SG | 1105 DJ3AK IK7MXB IV3NVB IW7DHC JN1RFY LB8CA UN7ED VR2ZXP W9VA WB5TOI WO7V | 1100 DL1DCT EI9E I0ZUT IK8IPL IV3IYH IZ5GST JA3KKE K4IJQ K7PTC KG8V KH6DX VO1NA W3MRL WA5YNB XE3E YO8DHA | 1096 AD9DX K4CA OH2ID RG7G WW5L XE1RCS |
| 1122 DD0ZN E20YLM JG7AMD KI0HA N2TC SV1AOZ TF2LL UA4ARL YB9AY | 1116 DJ7AO F5JGA IT9ABN IZ4COT JA4OIJ JA8ALB JG2KKG K0RAR K9KU RJ6J US3IZ | 1111 K0MLD K2IE W4CZ | 1104 K7MH N7EO OZ6TL W0HBK W9BB | | 1095 A35RK K3UW TA2AD W9KX |
| 1121 IK0XKP OG1R | 1115 EI4HH IZ5BYJ JE1COB JH3EQP JI1DCW KG6WIK KI6MQX KJ2U LA7MFA NR5O PY5JO W0ZX | 1110 DL1CF JA4GCF JR1SLU N1DC NB2P PT7NK | 1103 AK1P DJ5KL IK5XLB IK6WEZ | 1099 F5VHJ IZ7GIT JH0IEW JH1FRW K2GW KK4ODQ KV7N N0RQ PF1MO | 1094 8P6ET AJ6V IZ0HTW LU1FM N5RP W0CO W0YBS YO8OY |
| | | 1108 AB7RW AC8L | | | 1093 DK1MM |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| EA3CWK | MM1PTT | 1082 | JF1CZQ | LA3SG | 1067 |
| EI6AL | | 4Z4OQ | K4BBH | NE3K | JA7EU |
| I0BJV | 1087 | CP6UA | K5MMH | NG9J | K9WZB |
| KD2BS | JA1GFD | JE2DJC | N6ER | RA6WF | KC3D |
| SV1JSN | JA3DBD | K4FK | W1JFK | W1DDD | KS0T |
| 1092 | JM1GAW | KD8MQY | W1USN | W4AFB | LU4DXU |
| G0UII | KA1BQP | N4QK | W4WNT | | N9JF |
| KD2OV | KI4YY | OR4K | W7IMU | 1072 | SM5AFU |
| KS4Q | N3NO | UA4HAD | WD4EGF | DL3NCR | W0JW |
| OH3DP | N7LAN | UA4HDB | YS1RS | IZ8BRI | W1TYQ |
| ON4VT | N7RVD | W6MVW | | JH3LIB | W4MBD |
| | SM3DTR | W9BWR | | K0HB | W8WV |
| | | W9GFB | 1076 | LZ1JZ | |
| | | WB8YJF | AG4TO | RV3DB | 1066 |
| 1091 | 1086 | | HA2ESM | SP5GQ | AC7JM |
| EA5ZR | ER2RM | | KB5CSQ | W5PD | AK4PR |
| G3XVF | JA8DRK | 1081 | N2BSA | ZS2ACP | IT9RWB |
| JA4XHF | JG1EIQ | K0FG | OZ3ABU | | K1TO |
| JA7LMU | KD3TB | K8FB | TF1A | | N4VG |
| JH6JMN | LZ2TWY | MM0BQI | W1ZZ | 1071 | OK1DO |
| K4YL | RA3FY | PT2ND | | K0KV | ON6LY |
| KR4DA | W4JDS | SM5CCT | 1075 | KJ4FZ | W3ZQI |
| W0QL | W7WRJ | W7JWM | AC4CA | LA2RZ | |
| W1MI | | W7KKC | DL5SDB | M0VCB | |
| W4IDX | 1085 | WW1WW | IK5QPS | ND9M | 1065 |
| | AI7W | | JA5XWB | NK9O | DL1ZBO |
| 1090 | DL9SAD | 1080 | JJ2SEE | VK3MB | EA4BHK |
| AA2VG | JA1IHD | EI9CN | K1TN | WI4R | JA8WGX |
| CT3FN | LA2LI | HB9FBA | N7NF | | K8YFM |
| DJ6HR | NN8L | JK3NSD | NN4DF | 1070 | N4DJT |
| DU1IVT | TA3J | K6EV | PA5KT | JA7GZM | N4UW |
| EI6JK | W4OWY | KG7CW | VE3SMA | N3PPH | NK9R |
| K3IXD | WA9IVU | N6JM | WB9W | NJ9C | W4MOT |
| K4WJ | | NR2D | YB2IQ | NR0Q | |
| KM4GZI | 1084 | W7PC | | OZ7BQ | 1064 |
| UN6TA | AA4QE | | 1074 | W9LU | DS5WQT |
| | DO4DXA | 1079 | HK3VHZ | | ES2BL |
| 1089 | IZ4IRO | AD7KG | JA5ALE | 1069 | IK1AAS |
| AC6ZM | K3DQB | IC8TEM | JE0EHE | N0HJZ | JA1DHY |
| JA8AWR | KB4FB | IK6IHN | KC2ATK | SM3OMO | N6XI |
| JI2UDK | KJ7WY | KV2S | M0IFT | UA9UX | |
| JR1QLM | KX4I | LU7DW | N7PIB | W4GV | 1063 |
| N9AI | VE2OWL | VA1SEA | NO2C | W4HPW | JF7PHE |
| UR6QA | W5QZ | | W1WN | YU1NR | K7GA |
| W2GGY | W9MDB | 1078 | W8EOG | | KB3MXK |
| W3MS | | DL4KUG | WA4VJK | 1068 | VE6PL |
| | 1083 | EI4DQ | WB6RAB | BW2/JP1RIW | W5CJF |
| 1088 | DL1ASA | IK4DCW | | CP4BT | WN9Q |
| EA7OH | DL9ABM | JA2SEQ | 1073 | JA3EGE | |
| G0HSA | HG6IA | SM7CZL | G3VSQ | KB8NTY | 1062 |
| JA1DJO | K0TI | YB1IQE | JA1UWB | LA7NO | JH3MHI |
| K0OB | UX7IN | | JF2UEE | N1BKB | W1WEF |
| K4AVU | | 1077 | JF3GFH | N5DI | W4KCM |
| KS4L | | JA2HOL | K2TA | UA0LDW | W7SYK |

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|-------------|-------------|-------------|-------------|-------------|-------------|
| W8ZR | K0GK | NJ4V | 1045 | KE5MMT | JE1TNL |
| 1061 | KC4LZN | NO3U | HR5/F2JD | LA9L | K4TMG |
| F8DQL | N0PFE | W8RHM | IZ1UKF | NC8I | KA9JCP |
| G0MMI | N5JC | 1049 | JA1JQM | UT4ZX | KR0I |
| JH0NBN | ZS4JAN | AA3R | N1GNB | W2RDS | NC4RY |
| KA4LBD | 1055 | K5UN | WB8TGY | 1039 | RI1FJ |
| LA9SN | I8NLC | N3COB | 1044 | 3W3B | W3TA |
| NF4J | IK2ULM | PY2BT | DL1TPY | 9A3QO | W6VIO |
| SV1HAK | JG1GJH | W3EP | HA8UT | AC0W | 1034 |
| 1060 | LA4URA | WV1X | K4ZW | CT7ABD | DL2DCX |
| EI9HX | NS0Q | YO8WW | M0AQM | JK1NPH | K9AAA |
| G4GEE | UU5WW | 1048 | UA3EAY | K9IO | LZ1PM |
| IK4PKL | WD4NGB | EI4GNB | W2BCC | KX5M | WA1HXH |
| IZ1EPM | 1054 | EI8IQ | WD5IYT | NF8J | 1033 |
| W5IP | EA4OR | IZ1POF | 1043 | NQ4A | AA2T |
| W9IM | JA0CRG | JK2XJE | DF1TJ | PT2BW | AE0MO |
| 1059 | JA4EII | KH6CQH/W7 | G4WGE | W7CQQ | AE4WG |
| DL0UM | KB3KJ | N1GFV | HL1XP | 1038 | EI2II |
| K5AX | N4NM | NC6RJ | JA1HQQ | KT1V | JA1VDJ |
| KI0G | 1053 | SM7GXR | JH4EII | R3QF | JR4DHK |
| LA1FH | 7N3IJT | VE3AJ | K1GW | VA1CHP | K4FW |
| SV1PIZ | EI5GSB | W4ZV | K1XH | VU2SWS | K5GZR |
| YL2CB | K6OHM | WB0RUR | KC3AK | W7GSV | KC4ES |
| 1058 | KY6AA | 1047 | KM4CQG | YE1AR | KU4A |
| 9A5MI | V47JA | DM2DXG | N6ZM | 1037 | M0RTP |
| JA2BL | 1052 | K0GVT | NT4K | IK5SRF | W9COS |
| JF2RSF | IC8XIL | K3ZK | SK6QA | JA1MOH | 1032 |
| K0WK | IK2QPO | KD5RBU | 1042 | JA7JAA | 9A1A |
| K8TE | IK2RLS | KF6E | AB4ZT | N4CO | G4DYA |
| KE9UA | K9WMS | LA2RR | AG2J | NE6V | LA8ZAA |
| N6JOJ | KC4EZN | M0PCB | K1ETA | OH7LZB | 1031 |
| SP5UFK | N4IDH | N4UC | KB8ZUN | W4GHD | 4O7CC |
| SP6FXV | W3PT | N6IBP | S52R | W4GKR | HB9MXY |
| SP6QM | YB2BOB | OH2ECG | W7BC | YU1LD | IK3XJP |
| V31CQ | 1051 | V31MD | YL/RG5A | 1036 | JO3MXH |
| VK2DAG | AK0MR | VE3GFN | 1041 | DL2UR | K0ARM |
| W4BR | G3VXJ | 1046 | A92BE | JP1LVI | K1JE |
| W6QO | K9JJR | AB4EJ | DJ2TG | K2QE | NX7K |
| W6RA | K9NS | DL2MWB | IU8GNY | NN5O | OZ1NF |
| WM4D | KB0FHP | KL7KK | JG2NLN | SV2SIF | WQ9N |
| 1057 | 1050 | KU4GC | N7WR | UN5GM | 1030 |
| JA5IBP | JA1JYS | N8JK | NI0K | UY0MM | JA6COW |
| OL1HQ | JJ1SAI | NR5R | 1040 | VU3NXI | K6VVK |
| W5MT | JR2BNF | R6AZ | 8P5A | W0ZA | K7WA |
| W6PH | K0MB | W4ALF | AA0BH | 1035 | LA6VQ |
| 1056 | K0SON | W6INO | AE4VJ | IU8LMC | NU0Q |
| JO4JDU | KX2B | WB9MSM | DK4SR | IV3DXW | SV1DVX |
| | | | K4LCP | JA8DIV | |

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|---|--|---|---|--|---|
| 1029 CQ0ODX DL6SAK DL7UCX IK7XNA IZ6IOC KH2X W2GHD W6HB | 1024 CT2GZE DK6WL HL1MKT IZ8DDP JA2LMY JI5RPT JP1QDH K6PBF LZ1QN N4GOA N9GKE W3OP | 1020 E70X JE0HUR JH3FCF K2KNB K2WR KE7BMG LA4EI S53X VE2ACP W1CDC W2PD WA8JBG | F4GDI HB9DPO K2KQ K9RZ N5ZY W2PSU | RD3BZ UU1JA VU2OT W5AAJ | RA9SAS SM0DGW W3GP W3LJ W6LJS W9VOB WB5KSD WX2K XE1V |
| 1028 IK1RKN K5WE K6GCN W4SW WA6APQ WB9TFH YB3OSE ZS6X | 1023 4X1EL AC2RL F6FFA IK4SBR IN3TWX IU4AZC JA1MZM JA1QDB KI6PG N7YQ RA3T WI9WI WU1U | 1019 AA5TA DK6BT G3AKU G3WKL HB9HFM JE6PJP JH8UGL JJ0PJD JL2ULM KB1AWM NX3A P40P | 1015 JA2QCX K4NI K7BWC KI4FSI N6TW VE3VEE W1RCR W7CB | 1011 DL2RPN F5ELL JA1PLL JH4NYG JR3DXJ K3OK N5XUS OH1HAQ W0OVM WW6G | 1007 7Z1CQ K1UM K2TTM K4RWP K5XM KA2F KR7RK N3JON N8YQX RN4AM VE3MDX W9EBO WA0GOZ WF5W XE1SAX |
| 1027 4K9W DJ9HQ KG4VPC W5XG WD4OHD | 1022 EW3MM G4CWD I0LTX K4BYN KF1P N9AVC OH2BUA W6OZI | 1018 K4HR K8UHL N3BK N3GTG NL8F OZ4RT R3LC VR2CO W4LLP WB9ZNZ | 1014 DK6CQ DL9QJ EA9LZ K1NOX KG5EG NW8F PT2CSM UT3KW W2FDM W2LPL WB2MKX | 1010 CT1CQK EA9AM HZ1GW IW8CGX JA6CMQ JA6SUJ JK3NQV K1QQ K4EZY K7UPJ N2BEG WI0E | 1006 DJ9KV G3YBY JK1NIU JK1OTP K4AEN K5AR KB5WWW KF5BA N5KDV NH6Y PV8RR RW4NJ W7RJR |
| 1026 AA3I DS2GOO JA5OP JA8BZL JA9LX N3DV UA4Q UX4UM VE2WY W2WGK W6WRT WX4W | 1021 DL1SWN DL7VSN DL9ZAL F5TJC JN1RKE K4VX K6SS KC0V NA9L OH6JKW W2YWC YB2BNN | 1017 IZ0COI JA1GLE JA3ALY K6VWE KT6AA N2GM RA3AOS W9JOE | 1013 AF6O HB9RE IZ0GKB JA1UBZ JE4KCN JK1DDQ K5HX KA5IAU NA6XX NH6L PY2YW R7KW SP3WKW VR2CC | 1009 9M8DEN IZ7QSS JE4MHL JL1KBS K4BNF K4DXA K5WL N1XL N2IFA R3TKM W1RH WD9FLI WM5DX | 1005 DJ3CJ DL8XDA GI4SJQ JA1FVE JN3XEZ K5FO KR9A N3EEN NJ6K PA3AIN |
| 1025 AC1O AE5FM DS5BRE G0KRL NT5EE RL8C RV6ARZ YB9WZJ YV6BTF | | 1016 DS4AKP EW4DX | 1012 HB9WDF JA1UXV JH1KIM JL3RNZ K7LAY RA3AA | 1008 9A1CZZ JA2CKK JG4GZK K4SBZ K9CHP KL7XO | |

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|-------------|-------------|--------|--------|
| SM7WVZ | N4XC | EA4EQD | VU2MB |
| UA9AM | N8KOJ | HB9ARK | W3ENM |
| UT9LC | NZ6N | HB9CAT | W5GOL |
| W6DOE | OH8NW | HI3I | W7GF |
| 1004 | SV3AGT | HS8KAY | W8GJK |
| CX9AU | VE8EV | IK1ZNM | WI2E |
| GM0SCA | W6JH | IK6TOT | YB2TJV |
| JQ2NBX | W6KAP | JA0RWF | YO5QAW |
| K0AIZ | W9CY | JA1VZO | |
| K4LD | WX4B | JA1WIO | |
| K7UW | YB1MIG | JA2KAK | |
| K8JRM | 1001 | JA9KA | |
| K9IJ | DB2WD | JF3KOA | |
| K9MRD | DH2ID | JG1EBU | |
| KE4GFE | EA1BP | JG1TFC | |
| LU7HF | EI8JX | JH4MJO | |
| N2JT | HB9GZE | JR3PKO | |
| OH2CLX | HS8HEX | JR3RIU | |
| S53BB | IX1CLD | K2RAS | |
| VU2AE | JA1ASO | K7HV | |
| W5EW | JA1CCG | K7LOL | |
| W9KM | JA5RVN | K9DUR | |
| WA3KVN | JN1SUT | KA5JSM | |
| WE3J | K6DLB | KA6RWL | |
| 1003 | KB7AZ | KB3HHA | |
| AF4Z | KG4URP | KB7PKC | |
| DF5BX | LA8IB | KC2NJ | |
| DJ3ZF | N3AS | KD0BQS | |
| E29TGW | N3DD | KG4OJT | |
| EU1TT | N9ATD | KW1X | |
| IK1RLI | NJ1Q | KZ5D | |
| JL1EEI | PY2RF | LA9DL | |
| LA4HC | VE3FK | N2YU | |
| NC3O | W2/F2YS | N4LS | |
| NK2H | W2HDI | N4PAJ | |
| OK2MDC | W7GTF | N6MM | |
| RA0AM | W9MB | N8BK | |
| W6ELI | WM6Q | N8YO | |
| WA8COB | WV8EDU | N9APK | |
| WA9LEY | YL2CP | N9NFT | |
| WB8QZM | 1000 | NA9J | |
| 1002 | AA4IB | NG4DX | |
| 7L1UVF | AB4BJ | NT4TN | |
| HB9FKK | AE4S | OH7HM | |
| I0ZYA | AI1W | ON5UJ | |
| IN3FCK | DB9CR | PA5X | |
| JJ1HLL | DL1DV | PP6ZZ | |
| JS1MRA | DM6MA | PV8AAS | |
| KX7L | E25KAE | RA5C | |
| N4WOT | EA3AGY | RM6LW | |
| | EA3HPX | RT3I | |
| | | UA3DUJ | |
| | | VA3EJN | |